



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52017

Entry Year 2026

Acreage: 1,803

County: Otsego

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Zach Crew

Legal Description:

T29N, R03W, Sections 6, 7, 16, 17, and 18, Otsego Lake Township, Otsego County

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 found within a Rubicon-Lindquist association. Rubicon, Roselawn, and Wexford Loamy sands make up the majority of the compartment. Rolling terrain with steeper slopes in sections 7 and 18.

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

Horicon Co. borders this compartment on the west side. Otsego lake is adjacent to the compartment. The compartment is fragmented by high traffic paved road corridors.

Unique Natural Features:

No Unique Natural Features known.

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:

None at this time.

Watershed and Fisheries Considerations:

None. This compartment is close to Otsego Lake, but there is no public land adjacent to lake for prescription. Dodge Lake is private.

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen and oak while creating early successional habitat benefiting deer, grouse, and woodcock. Clumps of mature oak will be left in these treatments for mast production for deer, wild turkey and grouse.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit operated by the road commission exists in the SENE of Sec 17. There is good potential for additional sand & gravel within the compartment on the uplands, but development could be inhibited by oil & gas infrastructure. The compartment has been developed for Antrim Shale gas. Most of the wells have been plugged or are shut in. All State-owned mineral rights in the compartment are currently leased. Some leases are expired and are waiting on the well plugging approval process to complete before being released. The Antrim Shale gas play is generally in decline in the northern LP, and the trend toward plugging of wells is expected to increase in the coming years. There is no known potential for metallic minerals in this part of the state.

Vehicle Access:

The compartment can be accessed easily by county roads and pipeline easements.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Snowmobile trails #4 and #7 run through the compartment. Dispersed recreation evident throughout.

Fire Protection:

The cover types in this compartment are not prone to frequent or extreme fire events. Topography in some portions may prove to be equipment limiting. The major road systems serve well as fire breaks. There is a well developed oil and gas infrastructure, some pipelines contain poison gas.

Additional Compartment Information:

Hunting is not allowed in lands found between Old 27 S. and I-75 in this compartment by local ordinance. The compartment is currently being evaluated for possible spoil retaining areas for a proposed dredging project on Lake Otsego.

The following reports from the Inventory are attached:

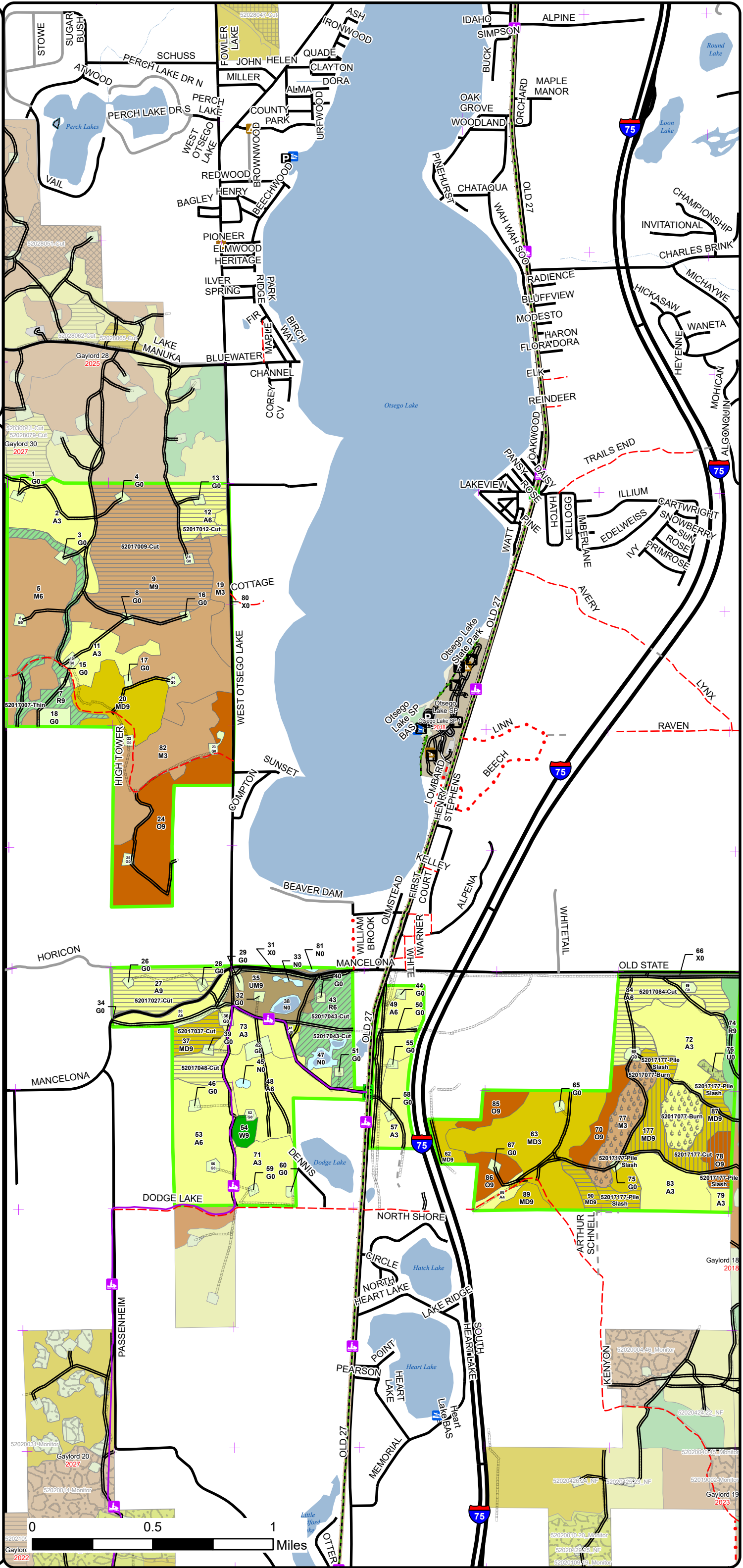
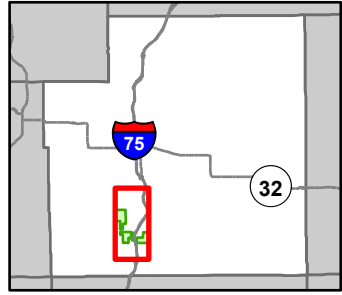
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

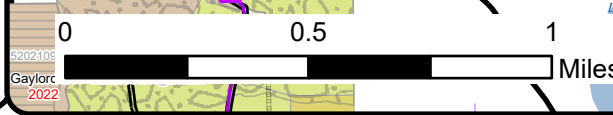
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 52017
 T29N, R3W, Sec: 6, 7, 16-18
 County: Otsego
 Unit: Gaylord
 Mgmt Area: Kalkaska Sandy Moraines
 YOE: 2026
 Acres: 1803.5 GIS Calculated
 Examiner: Zach Crew
 Map Revised: 09/25/2024
 Map Phase: Post Review

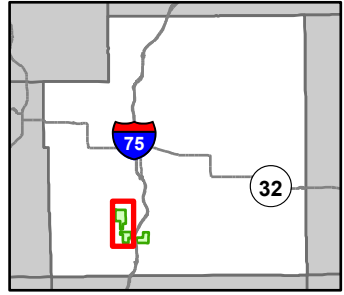


- Gate
- Boating Access Site
- Campground
- Parking Lot
- Toilet
- Remonumented Section Corners
- Hiking Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Designated RailTrail
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Unspecified
- Pipeline
- Lakes and Rivers
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Prescribed Burn
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 623 - Emergent Wetland

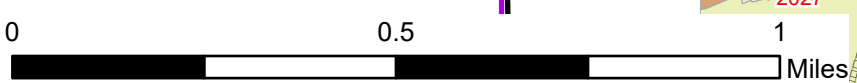
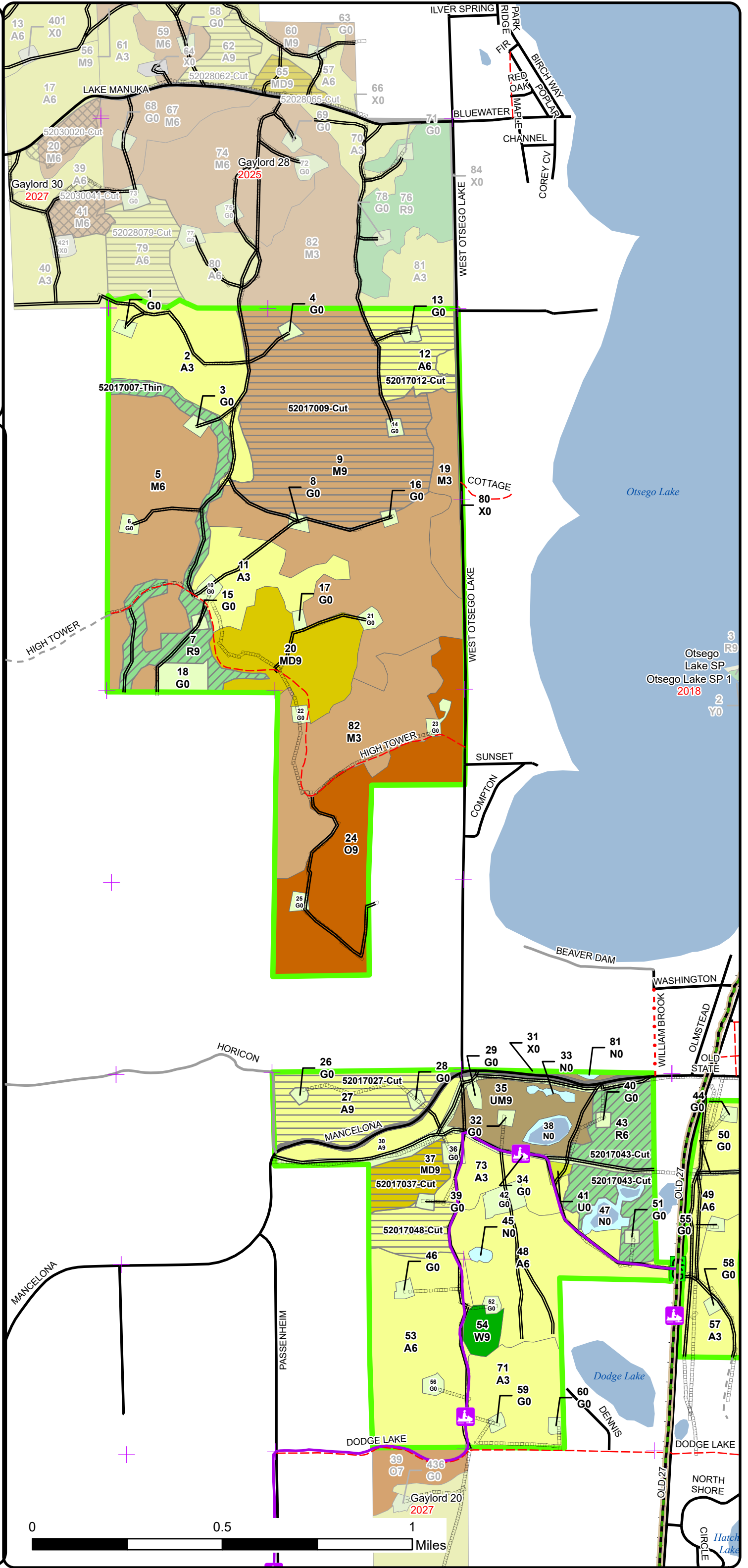


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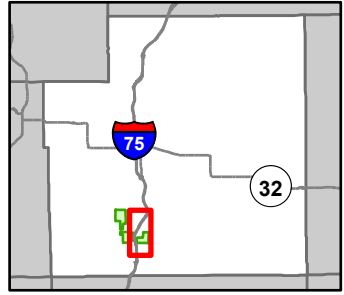


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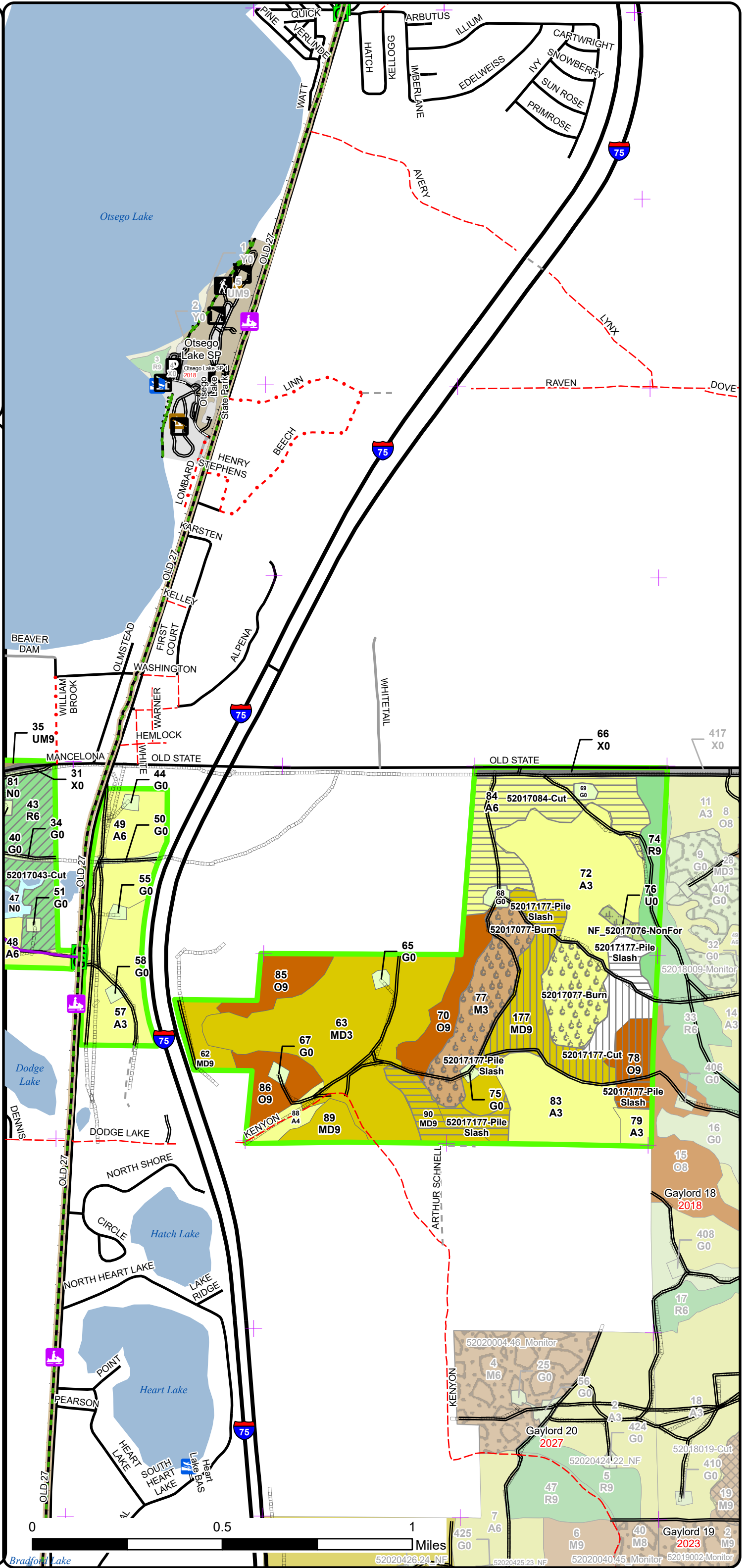


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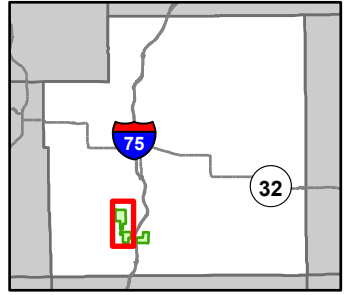


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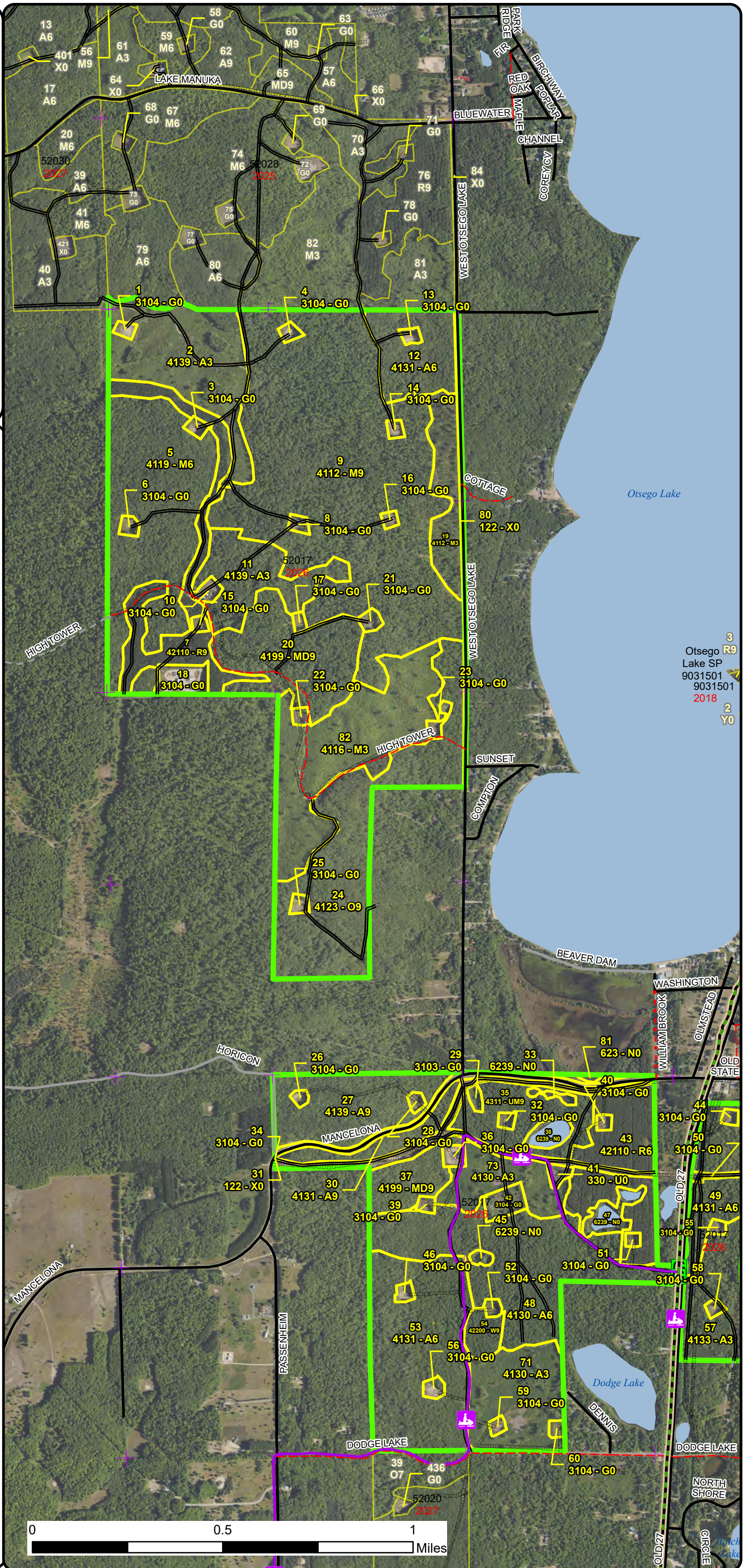


Stand Boundary Map

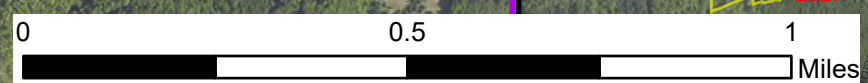
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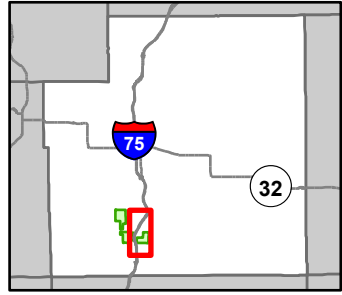


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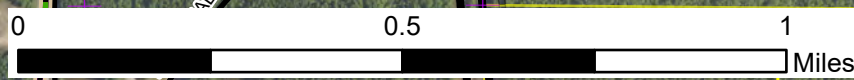
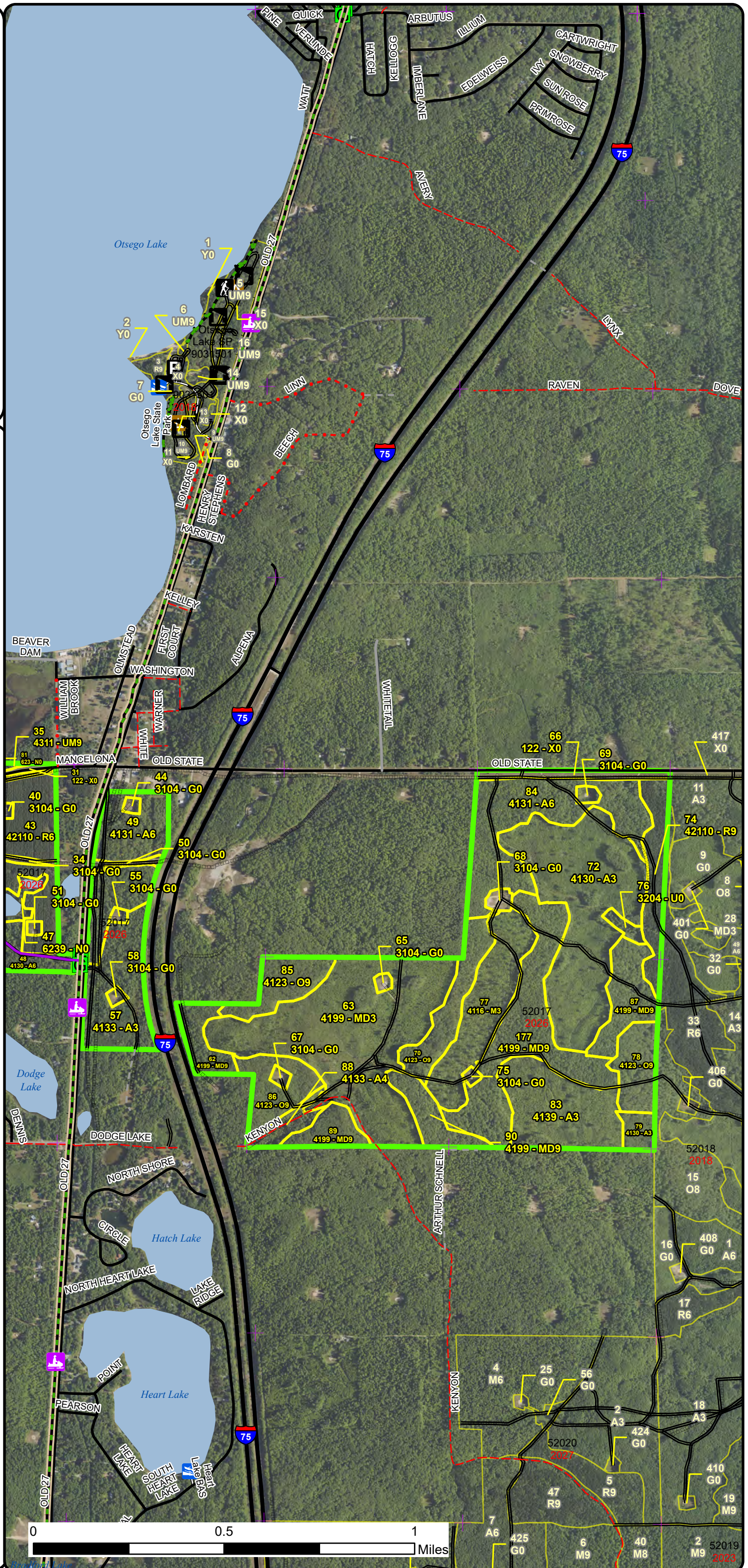


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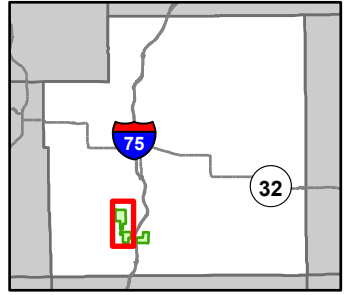


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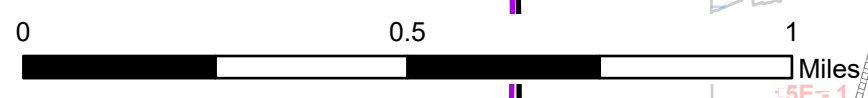
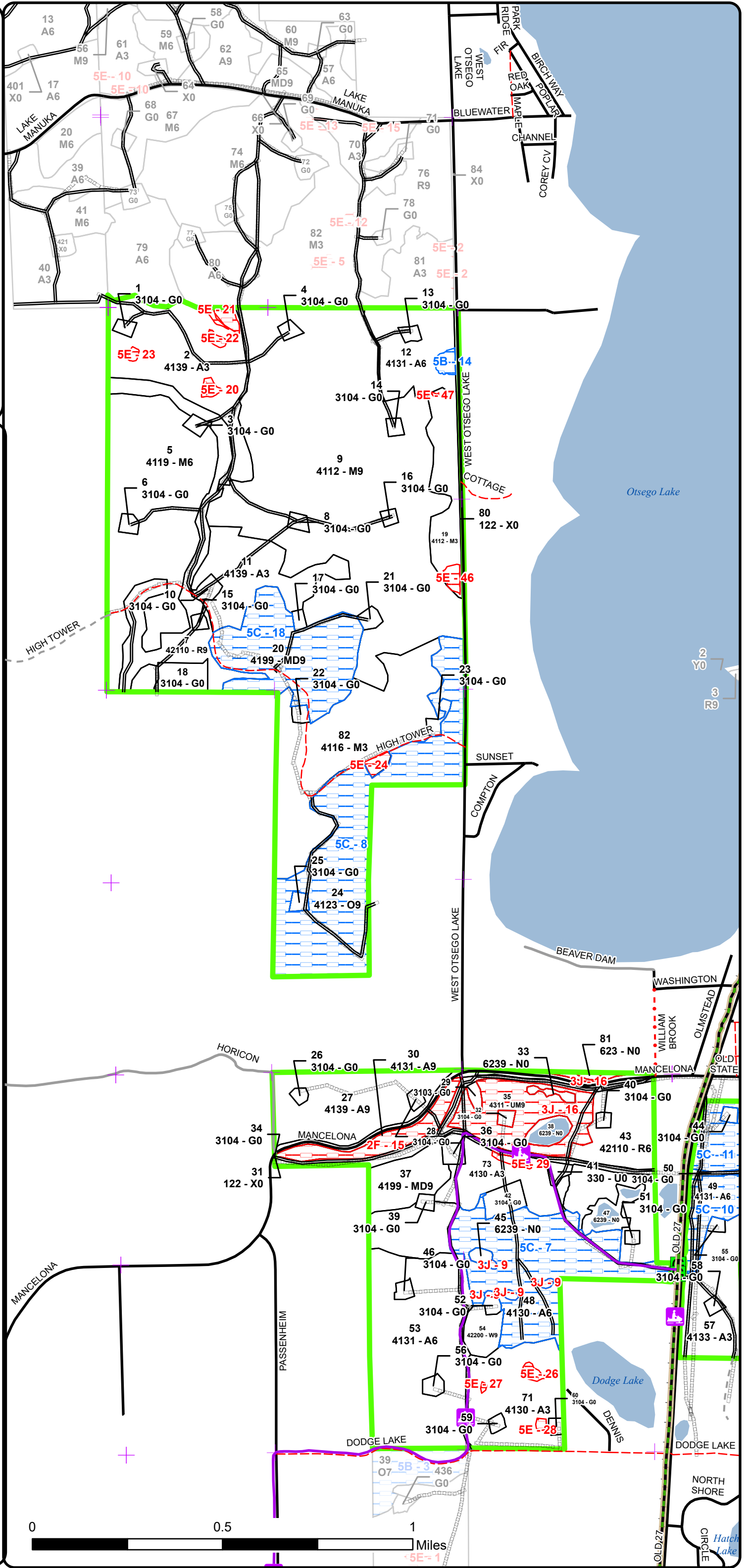


Special Conservation Areas & Site Conditions Map

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 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
- 5B: Maintain for regeneration purposes



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	241	37	68	81	0	85	141	0	0	0	0	0	0	0	0	0	0	653
Herbaceous Openland	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Marsh	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	100	0	0	0	0	16	0	0	52	72	32	0	0	0	0	0	0	272
Northern Hardwood	0	133	0	0	0	0	0	0	95	236	0	0	0	0	0	0	0	0	464
Oak	0	0	0	0	0	0	0	0	0	0	110	47	0	0	0	0	0	0	157
Red Pine	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100
Upland Mixed Forest	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
White Pine	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Total	121	474	37	68	81	0	101	271	0	102	288	182	79	0	0	0	0	0	1803



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 17

Total Compartment Acres: 1,803

Commercial Harvest - 470
 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	136	0	0	0	0	0	0	0	0	136
Mixed Upland Deciduous	57	0	0	0	51	0	0	0	0	108
Northern Hardwood	146	0	0	0	0	0	0	0	0	146
Red Pine	0	0	0	0	0	80	0	0	0	80
Total	339	0	0	0	51	80	0	0	0	470

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	470	0	0	0	59	0	0	0	3	532
Next Step	0	292	146	0	197	146	745	0	0	1526
Total	470	292	146	0	256	146	745	0	3	2058



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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:

7	52017007-Thin	37.7	42110 - Planted Red Pine	Sawtimber Well	62	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to cut with a target residual BA range of 120 - 140. In areas with a high amount of advanced oak regen, mark stand to 60-80 residual BA to allow for further development of the oak sapling class. This should result in an overall BA range of 100-120.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
9	52017009-Cut	146.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, use minimum area retention (3%). Concentrate retention on the edges of the stand where hills exist that would make follow up cultivation work difficult.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Burn, Slash; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A planted stand of red pine that meets moderate stocking criteria.</p> <p><u>Other Comment:</u> Make sure during sale admin to keep slash at least 25' back from sale boundary. Utilize chipping exemption spec. If chipping isn't feasible work with purchaser to arrange slash in such a manner to allow for follow up cultivation treatments or potential slash burn as a last option.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	52017012-Cut	27.4	4131 - Aspen, Oak	Poletimber Well	58	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand. For retention, leave basal area retention to include; all white pine, in areas with multiple pole sized oak that are co dominant or dominant, mark the oak and several other trees of any species to leave to prevent the oak poles from sun scald. Mark large crowned oak leave trees (greater than 14" DBH) where available to leave at a rate of 1 per 2 acre. Target residual BA of 5-10 sq feet.</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 Regen:</u> A mix of deciduous species and white pine dominated by aspen that meets minimum stocking criteria.</p> <p><u>Other Comment:</u> Include drumming log specs. Include oak wilt specs no exceptions.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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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27	52017027-Cut	43.0	4139 - Aspen, Mixed Deciduous	Sawtimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest stand, utilize retention to protect hemlock in this stand either through area retention, or marking individual trees to act as buffers around existing hemlock. The same thought applies to existing white pine regen and large crowned oak that are unlikely to sprout. Utilize area and/or individual tree marking to buffer these trees/areas from harvesting impacts.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species dominated by aspen that meets minimum stocking requirements.

Regen:

Other Mark out trees to be dropped and left in the vicinity of standing mature hemlock trees, these trees can be of any species. Care should be taken to ensure that the trees marked to be dropped and left will not be felled onto existing retention. Be sure to appropriately line out steep slopes leading down to Mancelona road that are inoperable. Probably a good idea to contact the County road commission and get there input prior to sale prep.

Comment: Include drumming log specs.

Site Condition:

Proposed Start Date: 10/1 /2025

37	52017037-Cut	16.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest stand, standard retention. Focus retention around pockets of conifer and/or large crowned oak that has a low probability of sprouting.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species dominated by aspen that meets minimum stocking requirements.

Regen:

Other Be sure to include oak wilt exemption spec and trail protection specs.

Comment: Include drumming log specs

Site Condition:

Proposed Start Date: 10/1 /2025

43	52017043-Cut	42.7	42110 - Planted Red Pine	Poletimber Well	66	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to 120-140 BA. Focus marking on suppressed, forked, or double stemmed trees.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Include appropriate trail protection specs.

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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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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48	52017048-Cut	17.1	4130 - Aspen	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest this portion of stand 48. Standard retention, focus retention around any conifer species present and/or large crowned oak that have low probability of sprouting.
Specs:

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

Acceptable A mix of species dominated by aspen that meets minimum stocking requirements.
Regen:

Other Be sure to include Oak Wilt Exemption spec and trail protection specs.

Comment: Include drumming log specs.

Site Condition:

Proposed Start Date: 10/1 /2025

77	52017077-Burn	59.0	4116 - Mixed N. Hardwood - Aspen	Sapling Well	6	Immature	Burn	Understory	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription RX burn to set back no desirable beech/cherry/red maple regeneration and stimulate oak sprouting and seed bed.
Specs:

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable
Regen:

Other Burn will be conducted in conjunction with areas in the adjacent timber sale that are also included in the rx burn area.

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

84	52017084-Cut	48.2	4131 - Aspen, Oak	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest stand, standard retention. Focus retention around large crowned older oak that will be unlikely to sprout and areas of advanced white pine regen.
Specs:

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

Acceptable A mix of species dominated by aspen that meets minimum stocking criteria.
Regen:

Other Include oak wilt specs with exceptions

Comment: Include drumming log specs

Site Condition:

Proposed Start Date: 10/1 /2025



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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
177 52017177-Cut	50.9	4199 - Other Mixed Upland Deciduous	Sawtimber Well	100	81-110	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, mark to leave 10-40 BA of Oak. Do not cut pine. Mark to leave well developed den trees of any species if found during prep but no more than 1 per acre.</p> <p><u>Specs:</u> Areas with no Oak can be clearcut. Protect any advanced oak/pine regen during harvest. Limit harvest to snow off conditions. Be sure to leave slash even distributed across the site and not piled under residual trees.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Burn, Understory; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A mix of species that includes but is not limited to; aspen, red maple, oak, beech, black cherry. Aspen regen will be spotty and oak regen should be at least 25% of the mix. If regen is dominated by beech, consult TMS for variance follow up treatments.</p> <p><u>Other Comment:</u> Oak wilt specs apply, this site will be followed by a prescribed burn in order to promote oak regen.</p> <p>No chipping will be allowed.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
177 52017177-Pile Slash	40.7	4199 - Other Mixed Upland Deciduous	Sawtimber Well	100	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest stand. Mark out 3 1/2 acre retention islands, 1 per individual section, except the SW Section, retention there is already delineated in MIFI. Between retention islands mark one clump of 3-5 oak to leave per 2 acres for mast production. Do not cut pine. Protect advanced oak/pine regen as much as possible.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A mix of species that includes but is not limited to; aspen, red maple, oak, beech, black cherry. Aspen regen will be spotty and oak regen should be at least 25% of the mix. If regen is dominated by beech, consult TMS for variance follow up treatments.</p> <p><u>Other Comment:</u> Waive the slash depth spec, during harvest, pile slash around/over cut oak stumps as much as possible.</p> <p>Oak wilt specs apply.</p> <p>No chipping will be allowed.</p> <p>Include raptor operating restrictions spec for SW portion of harvest. Retention may be greater than 10% in this treatment due to presence of stick nest buffer.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

76 NF_52017076-NonFor	2.7	3204 - Mast Producing Shrub	Nonstocked	Immature	NonForestMgt	Other - Specify	3204 - Mast Producing Shrub	No
<p><u>Prescription</u> Plant mast producing shrubs and/or trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Wildlife ftp Old next step comments: Monitor success</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>								

Total Treatment Acreage Proposed: 531.7

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

Compartment: 17
Year of Entry: 2026



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions					
					5B	5C	1C	2F	3J	5E
654	517	111	26	Aspen	2	109		13	1	12
77	77	0	0	Herbaceous Openland		0				
2	2	0	0	Low-Density Trees						
15	15	0	0	Marsh						
272	193	62	17	Mixed Upland Deciduous		62	7	10		1
464	460	0	3	Northern Hardwood						3
157	15	141	0	Oak		141				0
100	100	0	0	Red Pine						
30	0	0	30	Upland Mixed Forest					30	
3	3	0	0	Upland Shrub						
24	24	0	0	Urban						
7	7	0	0	White Pine						
1,803	1,412	315	77	Total Forested Acres	2	313	7	23	32	16
	78%	17%	4%	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	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

Compartment: 17
Year of Entry: 2026



4	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 520051601							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	67	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	91	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low lying seasonally wet depressions							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

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10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retain stand for mast							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retain for mast							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Well developed hemlock/white pine/oak regen.							
15	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is on a steep slop that heads down right on to a main paved county road, would be impossible to harvest unless we somehow got the road closed.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

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16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	30	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: Majority of stand blocked from harvest due to small ponds scattered throughout, the rest of the stand has a decent component of advanced hemlock regeneration that would be desirable to protect.							
17	Unavailable	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Holding off on treating stand since we are doing such large scale harvesting a 1/4 mile to the north.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 2							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

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23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is retention for the cut in the portions that are to be treated in the 2016 YOE.							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew: Examiner

Compartment: 17
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30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	1C: Other dept or div proc/practices	7	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Stick Nest present, this area will also function as retention for the harvest in stand 90 and 177.							
46	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
1	3104 - Degraded	Nonstocked	1.2			Well site																																																								
2	4139 - Aspen, Mixed Deciduous	Sapling Well	58.7	6	Immature	N/A	An aspen/hardwood stand. Clumps of scattered oak/beech, a few white pine left post harvest, site chipped, harvested completed 12/26/18.																																																							
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3	3104 - Degraded	Nonstocked	1.5			Well site																																																								
4	3104 - Degraded	Nonstocked	1.3			Well site.																																																								
5	4119 - Mixed Northern Hardwoods	Poletimber Well	94.6	87	81-110	N/A	A northern hardwood stand that is heavy to beech. Beech dominant understory. Half mature beech starting to snap due to BBD. Some scattered oak. Mostly poor form and quality rolling topo.																																																							
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6	3104 - Degraded	Nonstocked	1.5			Well site																																																								
7	42110 - Planted Red Pine	Sawtimber Well	39.0	62	141-170	N/A	A recently thinned red pine stand.																																																							
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8	3104 - Degraded	Nonstocked	1.4			Well site																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																				
9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	235.6	90	51-80	N/A	A recently thinned northern hardwood stand. Beech salvage completed 11/18. Beech is now full dominant in the sub canopy, ranges from 4 to 10 feet tall typically. Other trace tree under story species same height if from stump sprout origin, if not browse has kept these species under 5 ft tall. Vast majority of the beech is dead and/or dying.																																																																				
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10	3104 - Degraded	Nonstocked	2.1				A gas CPF																																																																				
11	4139 - Aspen, Mixed Deciduous	Sapling Well	32.7	27	Immature	N/A	A regenerating aspen stand. 20 feet tall. Aspen is starting to outpace beech in a lot of areas, still some areas dominated by beech canopy. Some small amount of oak saps that made it through post harvest.																																																																				
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12	4131 - Aspen, Oak	Poletimber Well	29.2	58	81-110	N/A	Aspen stand with an oak component. Nice white pine understory along county road. Paper birch and hemlock also present. White pine/oak dominate in East third of the stand. Beech mainly present under aspen dominated portions. Quite a few scattered oak small poles(5-8 inches dbh) throughout. Decent white pine regen in east third as well.																																																																				
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17	3104 - Degraded	Nonstocked	1.0				Well site.																																																							
18	3104 - Degraded	Nonstocked	6.5				A large CPF																																																							
19	4112 - Maple, Beech, Cherry Association	Sapling Well	22.8	4	Immature	N/A	A mixed stand along West Otsego Lk Drive. Some hills. Access off of W. Otsego would be difficult at best. Final harvested 04/2020 Carmel Clown Mix (52-019-16). White Pine and some oak left in the over story. Hemlock left in small retention islands. Natural regen survey conducted 12/6/23. Beech has definitely responded to harvest with large amounts of root suckering, however the average height of beech saplings is shorter than the average height of saplings of other species (4 vs 6.5). Lots of deer browse.																																																							
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20	4199 - Other Mixed Upland Deciduous	Sawtimber Well	51.6	91	111-140	N/A	A northern hardwood stand with a heavy oak component. Beech fully dominates understory. Appear to be 2 age cohorts for the oak. Age was used for Xlog oak. Pole sized oak around 50 to 60 years old. Scattered white pine and declining paper birch. Noted two hazelnut and a few red maple saplings.																																																							
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22	3104 - Degraded	Nonstocked	1.2				Well site.																																																							
23	3104 - Degraded	Nonstocked	1.7				Well site, northern portion is an old gravel pit with illegal dumping of yard waste and household materials.																																																							



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24	4123 - Red Oak	Sawtimber Well	90.7	103	51-80	N/A	Stand 82 was previously part of this stand. A red oak stand that was species thinned during last treatment. Residual BA quite a bit higher than normal ~65 from 10 plots. BA increases as you go south, really impacting growth of regen.																																																																					
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28	3104 - Degraded	Nonstocked	1.1				Well site																																																																					
29	3103 - Rubus-Fern	Nonstocked	1.3			No	Small opening.																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4131 - Aspen, Oak	Sawtimber Well	12.8	63	81-110	N/A	An oak/aspen stand on the side of a hill. NE corner is where the hemlock and white pine understory dominates.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Bigtooth Aspen	40	Log/Pole	10	63	
		Red Oak	52	Log/Pole	11	93	
		Beech	5	Pole/Log	8		
		Red Maple	3	Pole/Log	9		
		Sub-Canopy Species	Density	Avg. Height	Size		
		White Pine	Low	Variable	Sapling		
		Striped Maple	Low	Variable	Tall Shrub		
		Hemlock	Low	Variable	Sapling		
		Beech	Low	Variable	Sapling		
		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub		
		Red Maple	Low	Variable	Sapling		
		Witch Hazel	Low	5 - 10 feet	Tall Shrub		
		Serviceberry (Juneberry)	Low	Variable	Tall Shrub		
31	122 - Road/Parking Lot	Nonstocked	10.8			No	Mancelona Rd.
32	3104 - Degraded	Nonstocked	1.1				Well site.
33	6239 - Mixed Emergent Wetland	Nonstocked	1.4			No	Small holes with seasonal water.
		Sub-Canopy Species	Density	Avg. Height	Size		
		White Pine	Low		Sapling		
		Alder	Trace		Tall Shrub		
		Quaking Aspen	Trace		Sapling		
34	3104 - Degraded	Nonstocked	17.0			No	Pipelines and associated easements.
35	4311 - Pine, Aspen Mix	Sawtimber Well	30.4	63	81-110	N/A	Aspen and pine, conifer component increases as you go east to west. Quite surprised to find some very young hemlock saps that have made it above the browse line.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Maple	5	Pole	8		
		Red Oak	8	Log/Pole	12		
		Quaking Aspen	10	Pole	7		
		Bigtooth Aspen	30	Pole/Log	9	63	
		Red Pine	2	Log/Pole	10		
		White Pine	45	Log/Pole/XLog	12	63	
		Sub-Canopy Species	Density	Avg. Height	Size		
		White Pine	Medium	Variable	Sapling		
		Cherry (spp.)	Medium	Variable	Tall Shrub		
		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub		
		Red Maple	Medium	Variable	Tall Shrub		
		Oak (spp.)	Low	Variable	Sapling		
		Hemlock	Low	Variable	Sapling		
		Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub		
		Common Lowbush Blueberry	Low	5 - 10 feet	Tall Shrub		
36	3104 - Degraded	Nonstocked	2.1				Processing facility



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
37	4199 - Other Mixed Upland Deciduous	Sawtimber Well	16.3	55	81-110	N/A	A mixed aspen, oak, hardwood stand.																																																						
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38	6239 - Mixed Emergent Wetland	Nonstocked	4.5			No	A wet pocket filling in with trees																																																						
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39	3104 - Degraded	Nonstocked	1.2				Well site.																																																						
40	3104 - Degraded	Nonstocked	1.0				Well site.																																																						
41	330 - Low-Density Trees	Nonstocked	1.8			No	An old opening associated with a railroad grade.																																																						
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42	3104 - Degraded	Nonstocked	4.8			No	2020 Comment: Terminated Oil/Gas Permit Old landfill site for Otsego Lk Township.																																																						
43	42110 - Planted Red Pine	Poletimber Well	42.7	66	171-200	N/A	A red pine plantation, good form and straight rows. Understory fairly sparse except around some of the west edges.																																																						
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44	3104 - Degraded	Nonstocked	1.1				Well site																																																						
45	6239 - Mixed Emergent Wetland	Nonstocked	1.2			No	Seasonally wet low lying area.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46	3104 - Degraded	Nonstocked	1.3			Well site	
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47	6239 - Mixed Emergent Wetland	Nonstocked	6.8			No	A opening filling in with seedlings.
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Sub-Canopy Species	Density	Avg. Height	Size
Oak (spp.)	Trace		Sapling
White Pine	Trace		Sapling
Paper Birch	Trace		Sapling
Red Pine	Low		Sapling

48	4130 - Aspen	Poletimber Well	85.1	63	81-110	N/A	An aspen stand that has regenerated from a previous final harvest. Some patchy areas dominated by 20 ft hybrid and pin oak regen in the east third. West third past the snowmobile trail this portion of the stand is more pure aspen. Scattered natural red pine throughout. Multiple wet depressions scattered throughout the stand too small to map check site condition layer for locations.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	64	Pole/Log	8	63
Paper Birch	1	Pole	7	
White Pine	7	Log/Pole	13	
Black/Red (Hybrid) Oak	7	Log/Pole	12	
Quaking Aspen	5	Pole/Log	8	
Red Maple	15	Pole/Log	8	
Red Pine	1	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Cherry (spp.)	Low	Variable	Tall Shrub
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Common Lowbush Blueberry	Trace	5 - 10 feet	Tall Shrub
Aspen (spp.)	Low	Variable	Sapling
Serviceberry (Juneberry)	Low	Variable	Tall Shrub
White Pine	Low	Variable	Sapling
Oak (spp.)	Low	Variable	Sapling
Beech	Trace	Variable	Sapling
Hemlock	Trace	10 - 20 feet	Sapling
Red Maple	Low	Variable	Sapling
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub

49	4131 - Aspen, Oak	Poletimber Well	35.3	26	1-50	N/A	An oak stand with a fully stocked understory. Hunting not allowed in these stands by local ordinance. Extensive coyote activity.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Sapling/Pole	4	26
Quaking Aspen	15	Sapling/Pole	4	
White Pine	8	Log/Pole	12	
Red Maple	5	Sapling	3	
Beech	10	Pole/Log	9	
Red Pine	2	Log/Pole	12	
Red Oak	30	Log/Pole/XLog	13	111

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Red Maple	Low	Variable	Sapling
Common Lowbush Blueberry	Trace	5 - 10 feet	Tall Shrub
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Oak (spp.)	Low	Variable	Sapling
Paper Birch	Trace	Variable	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	Medium	Variable	Sapling
Striped Maple	Trace	Variable	Tall Shrub

50	3104 - Degraded	Nonstocked	1.9			No	Pipeline
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51	3104 - Degraded	Nonstocked	0.9				Well site.
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Sub-Canopy Species	Density	Avg. Height	Size
Oak (spp.)	Trace		Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																												
52	3104 - Degraded	Nonstocked	1.2				Well site.																																																																												
53	4131 - Aspen, Oak	Poletimber Well	80.8	34	1-50	N/A	A regenerating aspen stand.																																																																												
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54	42200 - Natural White Pine	Sawtimber Well	7.0	80	111-140	N/A	A natural white pine stand. Aspen looks to have been species thinned at some point, couldn't find any cutting records that corresponded to this stand.																																																																												
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56	3104 - Degraded	Nonstocked	1.7				Well site.																																																																												
57	4133 - Aspen, Mixed Pine	Sapling Well	32.0	15	Immature	N/A	A regenerating aspen stand with a oak and pine overstory component. Noticed a honey suckle during inventory. Old Sale Rx was cut everything but pine, oak, and beech. Majority of regen looks good. A couple open u-type areas. Some good looking oak regen. Some white oak present.																																																																												
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62	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.4	110	111-140	N/A	A mature oak, aspen, red maple stand. An excellent white pine understory in the south and NW corner of the stand. Excellent shrub layer next to the interstate. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. A few standing dead oak scattered throughout.																																																																											
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63	4199 - Other Mixed Upland Deciduous	Sapling Well	100.4	5	Immature	N/A	Stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Portions of several stands were cut as part of the sale and as a result they are now there own separate stand polygon. All pine was left in the sale as well as clumps of scattered oak. Regen Survey conducted 11/30/23. Heavy deer browse noted on the red maple and oak. Lack of beech competition so this stand should develop into a decent mix though with less Oak than desired. Per 2024 pre review will accept regen mix.																																																																											
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66	122 - Road/Parking Lot	Nonstocked	7.4			No																																																																												
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70	4123 - Red Oak	Sawtimber Well	19.3	101	111-140	N/A	A red oak stand with a red maple component. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. A few birch still hanging on but most dead. A couple white pine in the south. 2 decent clones of big tooth but no other aspen noted. Appear to be 2 age classes for the oak (101 and 65 for xlog/log vs poles/small end logs).																																												
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71	4130 - Aspen	Sapling Well	40.3	7	Immature	N/A	Harvested in the fall of 2017, a few scattered white pine and oak left. Stand is regenerating well.																																												
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72	4130 - Aspen	Sapling Well	80.6	6	Immature	N/A	Harvested in summer/fall of 2018, scattered large oak left for mast. An oak aspen stand. Soft rolling hills. Regen survey conducted 11/13/23. Stand dominated by aspen post harvest, heavy deer browse noted on the red oak and red maple, as well as some of the shrubs found in the understory. Will accept regen per 2024 pre review.																																												
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73	4130 - Aspen	Sapling Well	24.2	7	Immature	N/A	Harvested in the fall of 2017, a few scattered white pine and oak left. Stand is regenerating well. Scattered oak stump sprouts have also made it above browse height.																																																							
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74	42110 - Planted Red Pine	Sawtimber Well	18.0	66	111-140	N/A	A recently thinned red pine stand. Treat with adjacent compartment in the future when warranted.																																																							
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75	3104 - Degraded	Nonstocked	1.0				Well site																																																							
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76	3204 - Mast Producing Shrub	Nonstocked	2.7		Immature	No	A small opening filling in with seedlings and shrubs.																																																							
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78	4123 - Red Oak	Sawtimber Well	15.0	111	51-80	N/A	Recently treated oak stand.																																																														
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79	4130 - Aspen	Sapling Well	5.4	15	Immature	N/A	A regenerating aspen stand.																																																														
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80	122 - Road/Parking Lot	Nonstocked	6.1	0	Unspecified	No	West Otsego Lake Drive and associated cleared shoulder																																																														
81	623 - Emergent Wetland	Nonstocked	0.6			No																																																															
82	4116 - Mixed N. Hardwood - Aspen	Sapling Well	75.4	6	Immature	N/A	Harvested in fall of 2018, scattered oak left throughout the sale area (<10BA). Regen survey conducted 12/06/2023. Beech is the dominant species on the site, but due to the full sunlight it also on average several feet (4 vs 8) shorter average height. Hazelnut and serviceberry stems per acre have exploded post harvest. Lots of deer browse.																																																														
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83	4139 - Aspen, Mixed Deciduous	Sapling Well	37.6	8	Immature	N/A	Stand harvested in Dec. 2016-January 2017. All beech and red maple removed with clumps of oak left. Small pocket of oak wilt was discovered during harvest, but the infected trees were harvested so problem should be resolved. 3-5 oak were left per acre. Regen survey conducted 11/14/23, aspen dominates stand, plenty of deer browse on oak, red maple, and other shrub species. Will accept regen per 2024 pre review.																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
84	4131 - Aspen, Oak	Poletimber Well	48.6	57	81-110	N/A	This is the uncut portion of stand 72.																																																																	
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85	4123 - Red Oak	Sawtimber Well	15.2	110	81-110	N/A	A mature oak stand. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Scattered red pine in the canopy. Almost a pure oak stand.																																																																	
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86	4123 - Red Oak	Sawtimber Well	16.4	110	111-140	N/A	A mature oak stand. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Some pockets of good white pine regen. Signs of heavy deer use/browse on understory species.																																																																	
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87	4199 - Other Mixed Upland Deciduous	Sawtimber Well	18.6	107	81-110	N/A	Oak and red maple, a few big tooth aspen here and there. Good quality. Understory very open, mostly deciduous shrubs and beech. Deer browse affecting understory? More aspen and better developed understory south of the road.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
88	4133 - Aspen, Mixed Pine	Poletimber Poor	7.2	57	1-50	N/A	A pipeline/valley filling in with trees. Patchy. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Super canopy white and red pine scattered throughout. One white oak noted. Excellent shrub layer.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	55	Pole/Sapling	6	57	Hazelnut (Beaked)	Medium		< 5 feet	Tall Shrub
White Pine	8	Pole/Log/XLog	9		Hawthorn (spp.)	Low		5 - 10 feet	Tall Shrub
Red Pine	15	Log/XLog	14	87	Red Oak	Low		Variable	Sapling
Red Maple	22	Pole/Sapling	5	57	Red Maple	Medium		Variable	Sapling
					Cherry (spp.)	High		Variable	Tall Shrub
					White Pine	Low		Variable	Sapling
					Serviceberry (Juneberry)	Low		Variable	Tall Shrub
					Witch Hazel	High		Variable	Tall Shrub
					Beech	Low		Variable	Sapling
89	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.7	111	111-140	N/A		An oak and red maple stand. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Steep slope on west side.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Beech	3	Pole	7		Red Oak	Trace	Variable		Sapling
Paper Birch	3	Pole/Log	9		White Pine	Low	Variable		Sapling
Red Oak	49	Log/Pole	13	111	Witch Hazel	Medium	5 - 10 feet		Tall Shrub
Bigtooth Aspen	5	Pole/Log	9		Maple Leaved Viburnum	Low	5 - 10 feet		Tall Shrub
Red Maple	40	Pole/Log	9	75	Beech	High	Variable		Sapling
					Serviceberry (Juneberry)	Low	5 - 10 feet		Tall Shrub
					Hazelnut (Beaked)	Medium	5 - 10 feet		Tall Shrub
					Red Maple	Low	Variable		Sapling
					Common Lowbush Blueberry	Trace	5 - 10 feet		Tall Shrub
90	4199 - Other Mixed Upland Deciduous	Sawtimber Well	11.9	111	81-110	N/A	An oak and red maple stand. Portion of stand cut as part of Stand By Oak (52-011-16) in spring of 2018 and 2019. Definitely more and better quality red maple compared to other stand. Decent amount of advanced red maple saplings in the understory compared to the surrounding stands (~100/acre).		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Red Maple	45	Log/Pole	11	75	Serviceberry (Juneberry)	Low		5 - 10 feet	Tall Shrub
Paper Birch	3	Pole/Log	9		Red Maple	Low		Variable	Sapling
Red Oak	46	Log/XLog/Pole	13	111	Red Oak	Trace		Variable	Sapling
Bigtooth Aspen	3	Log	12		White Pine	Trace		Variable	Sapling
Beech	3	Pole	7		Maple Leaved Viburnum	Low		5 - 10 feet	Tall Shrub
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					Hazelnut (Beaked)	Medium		5 - 10 feet	Tall Shrub
					Witch Hazel	Medium		5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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177 4199 - Other Mixed Upland Deciduous Sawtimber Well 53.0 100 81-110 N/A

Formerly part of a larger oak stand where age classes have started to be broken up through harvesting. More pure oak in the southern fingers of the stand, more mixed the further north you go. Definitely 2 age classes in the oak again. Aspen red maple and pole/small saw oak all appear to be roughly the same age (60-70). Beech regen more prominent in the mixed portion of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	28	Pole/Log	9		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub
Red Oak	46	Log/Pole/XLog	15	100	White Pine	Trace	Variable	Sapling
Beech	3	Pole	7		Beech	Medium	Variable	Sapling
Bigtooth Aspen	20	Pole/Log	9	60	Red Oak	Trace	Variable	Sapling
Paper Birch	2	Pole/Log	8		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Pine	1	Log/Pole	12		Paper Birch	Low	Variable	Sapling
					Red Maple	Low	Variable	Sapling
					Common Lowbush Blueberry	Trace	5 - 10 feet	Tall Shrub
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