



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52110

Entry Year 2026

Acreage: 2,776

County: Emmet

Management Area: Emmet Moraines

Stand Examiner: Donald Stacks

Legal Description:

T37N R05W Sections 19, 21, 28 - 33.

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:

Blue Lakes loamy sand exists on upland northern hardwood stands in western 2/3 of compartment. There are many hills and steep slopes found in this area. Tawas and Carbondale mucks are found in the poorly drained swamp area in the eastern 1/3 of the compartment.

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

Residential homes and a few small operating farms can be found around the compartment boundary.

Unique Natural Features:

Red-shouldered hawk, bald eagle, osprey, loon, early hairstreak have been noted in or near Compartment 110. Douglas Stenelmis Riffle Beetle in Maple River just east of compartment boundary. There is also potential for goshawk, great blue heron rookery, calypso orchid, ram's head orchid, and limestone oak fern.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None listed.

Watershed and Fisheries Considerations:

This compartment is within the West Branch Maple River watershed, and contains several small tributaries to that river. The West Branch Maple River and its tributaries are designated trout streams, and are classified as warm-transitional (marginal) trout streams, susceptible to minor changes in temperature. A buffer zone (no clear-cutting) of 300' should be provided to discourage early successional species such as aspen.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

The closest known active sand/gravel pit is less than one mile north, in Sec 20. There may be some potential for sand & gravel within the compartment on the uplands, but surficial sediments in the area appear to be dominated by sand and clay with less gravel. There does appear to be demand for construction aggregate material in the area. It is not known whether there is sufficient production and reserves from existing operations in the region to meet current demand or if there may be capacity for additional operations. The majority of past production has been from private land. There is no known potential for economic production of other minerals from within the compartment, and there has been no recent mineral leasing activity within the compartment.

Vehicle Access:

Access into the compartment can be gained by several county and numerous forest trail roads.

Survey Needs:

1 to 2 miles of survey work may be needed in areas prescribed for timber harvest.

Recreational Facilities and Opportunities:

Several portions of the designated snowmobile trail run through the compartment, as well as a small segment of the North Country Pathway.

Fire Protection:

The Indian River Field Office is located about 25 miles east of the compartment. The McKinley Township VFD is located about 8 miles to the east.

Additional Compartment Information:

The following reports from the Inventory are attached:

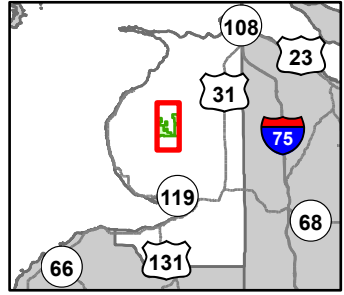
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

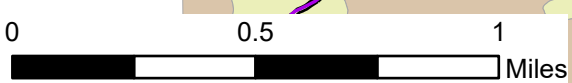
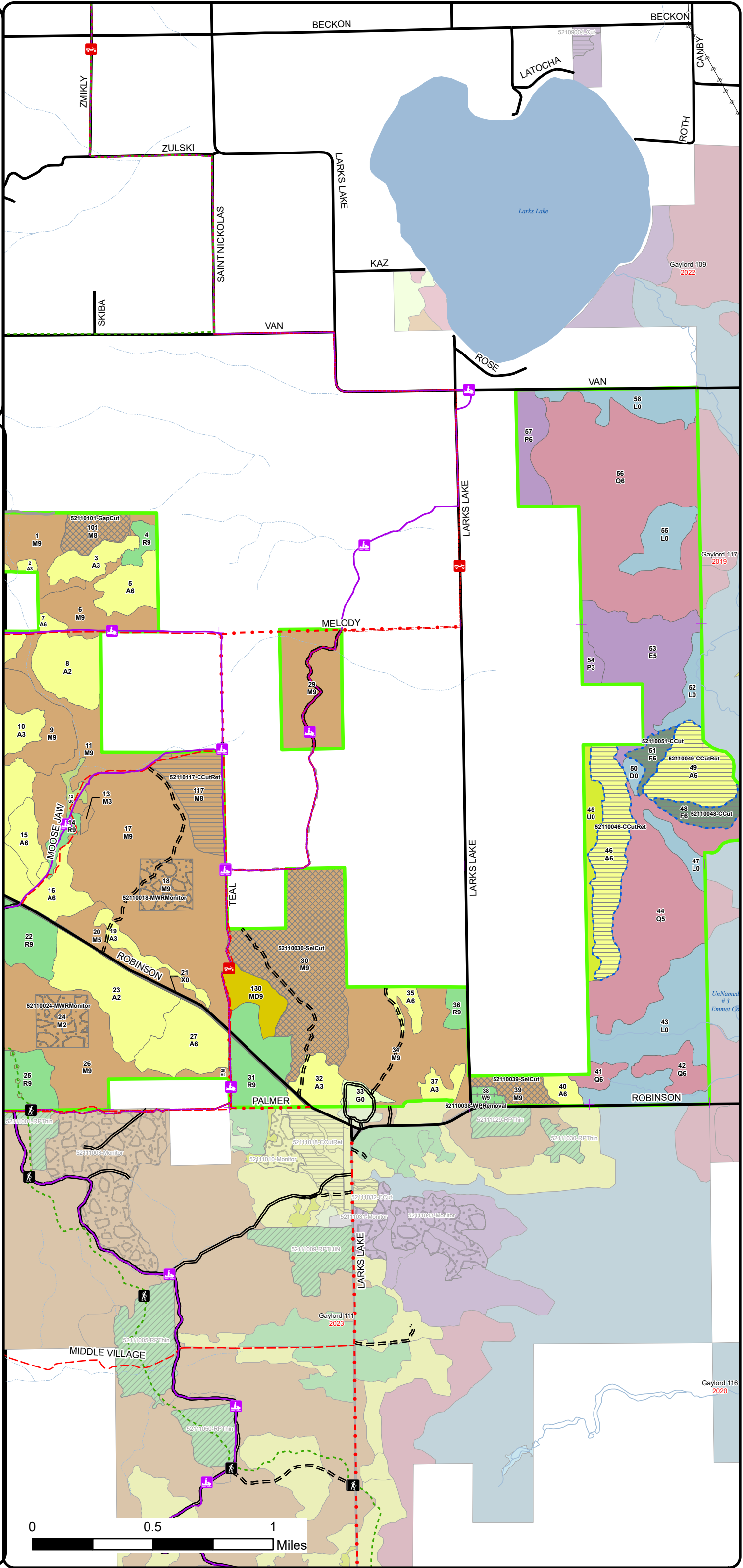
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 52110
 T37N, R5W, Sec: 19, 21, 27-33
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Emmet Moraines
 YOE: 2026
 Acres: 2776 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 09/25/2024
 Map Phase: Post Review

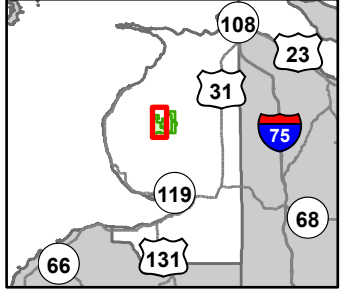


- + Remonumented Section Corners
- Hiking Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated ORV Route
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
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- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Powerline
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

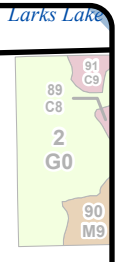
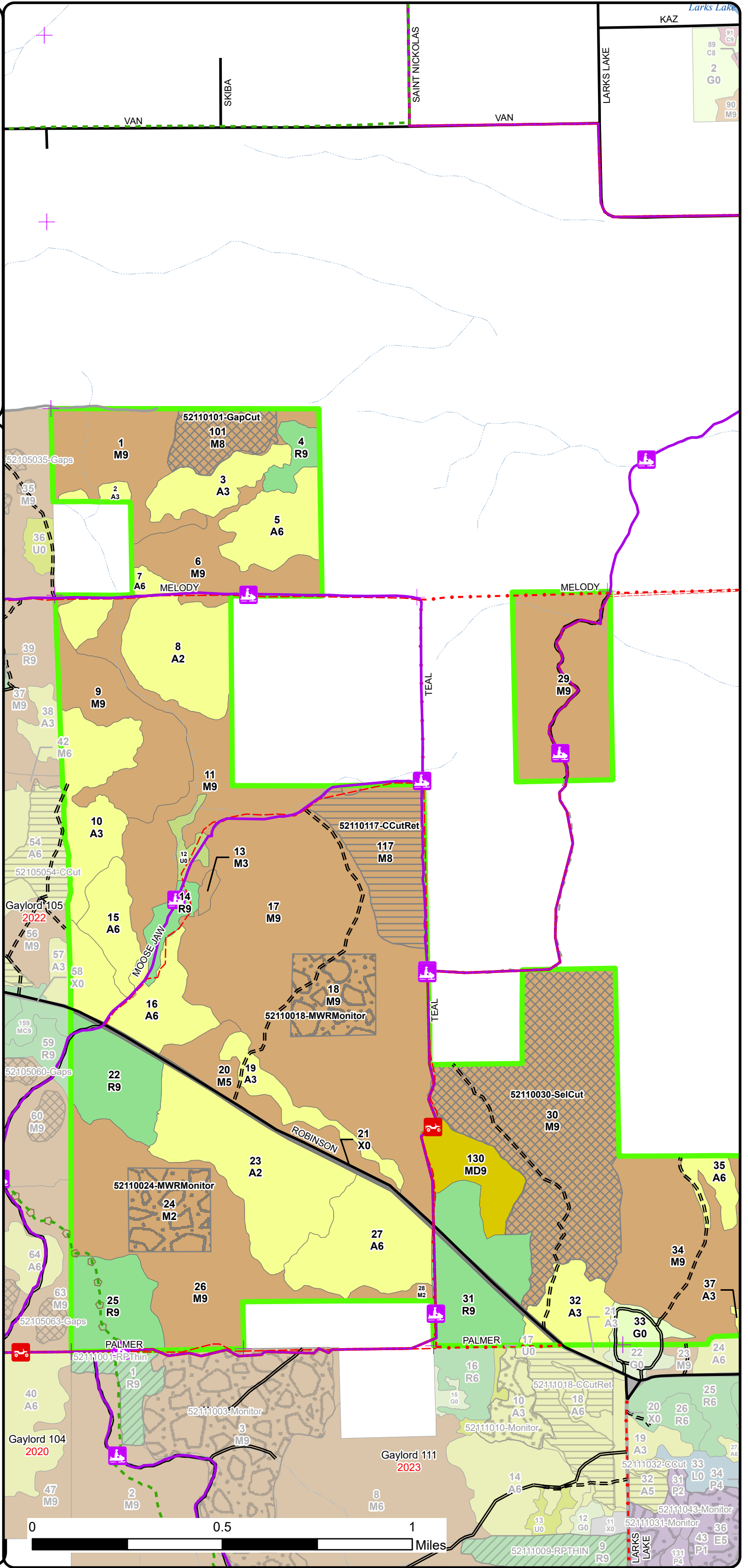


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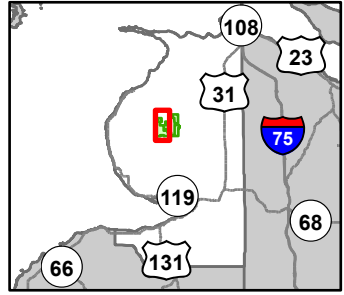


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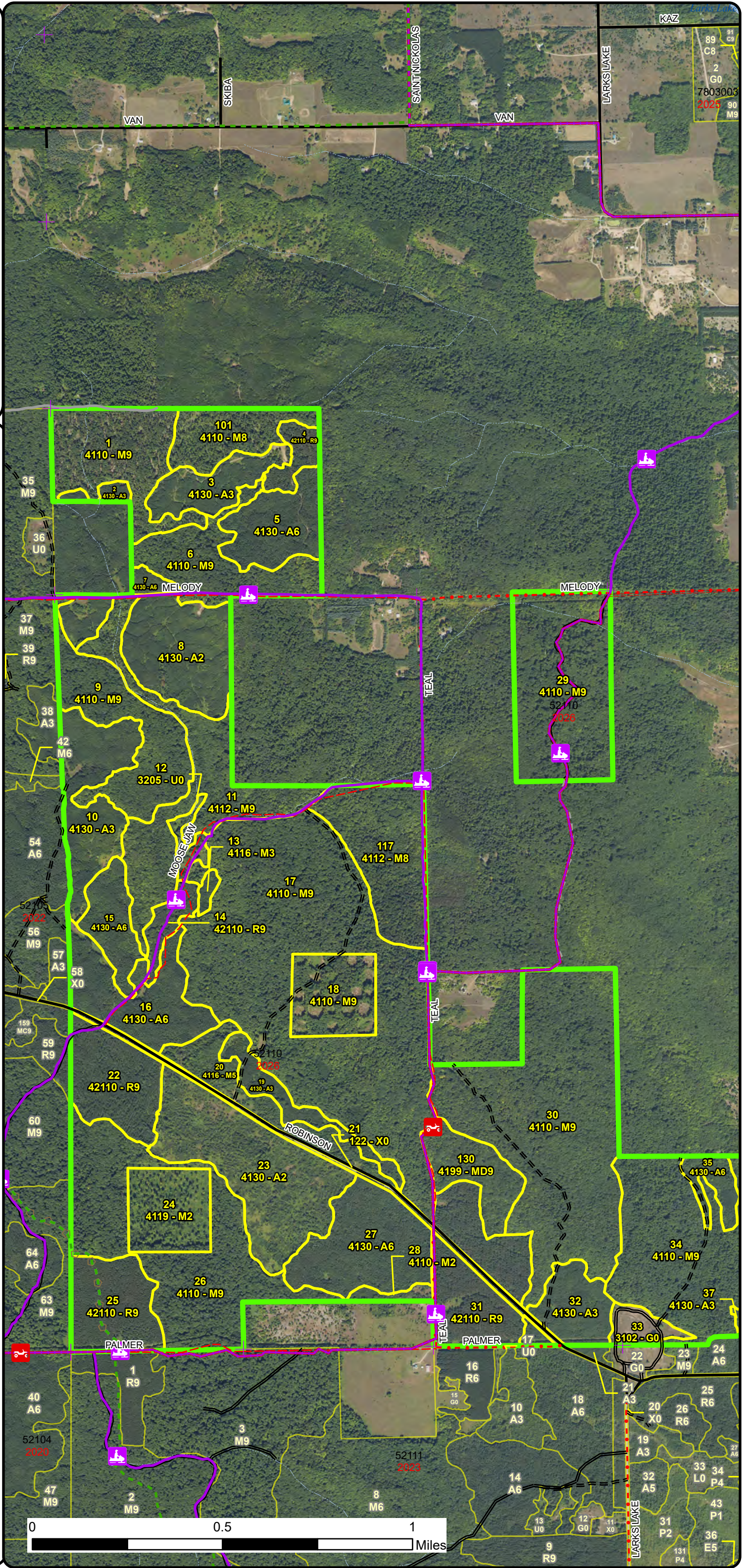


Stand Boundary Map

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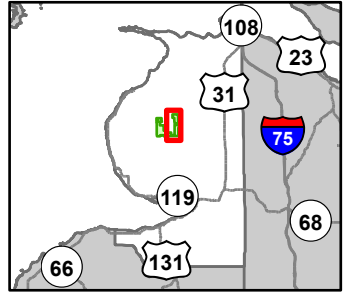


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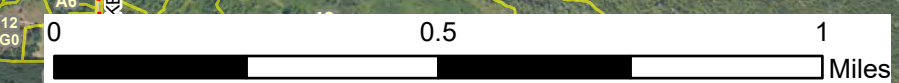
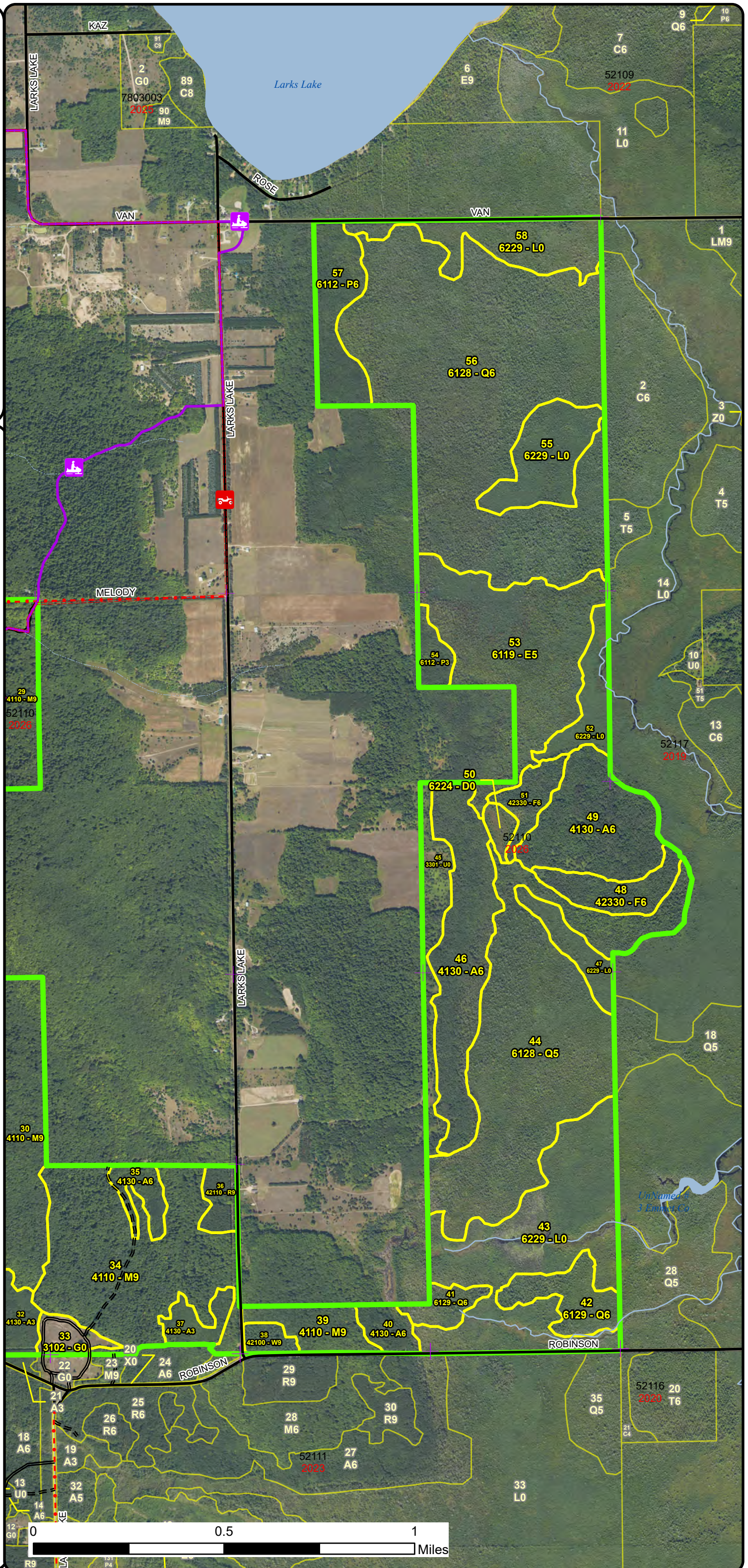


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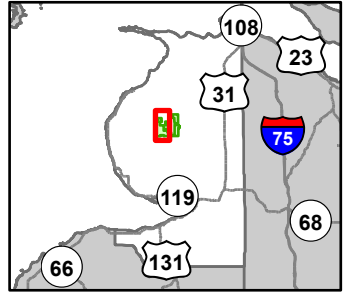


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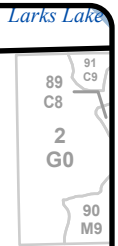
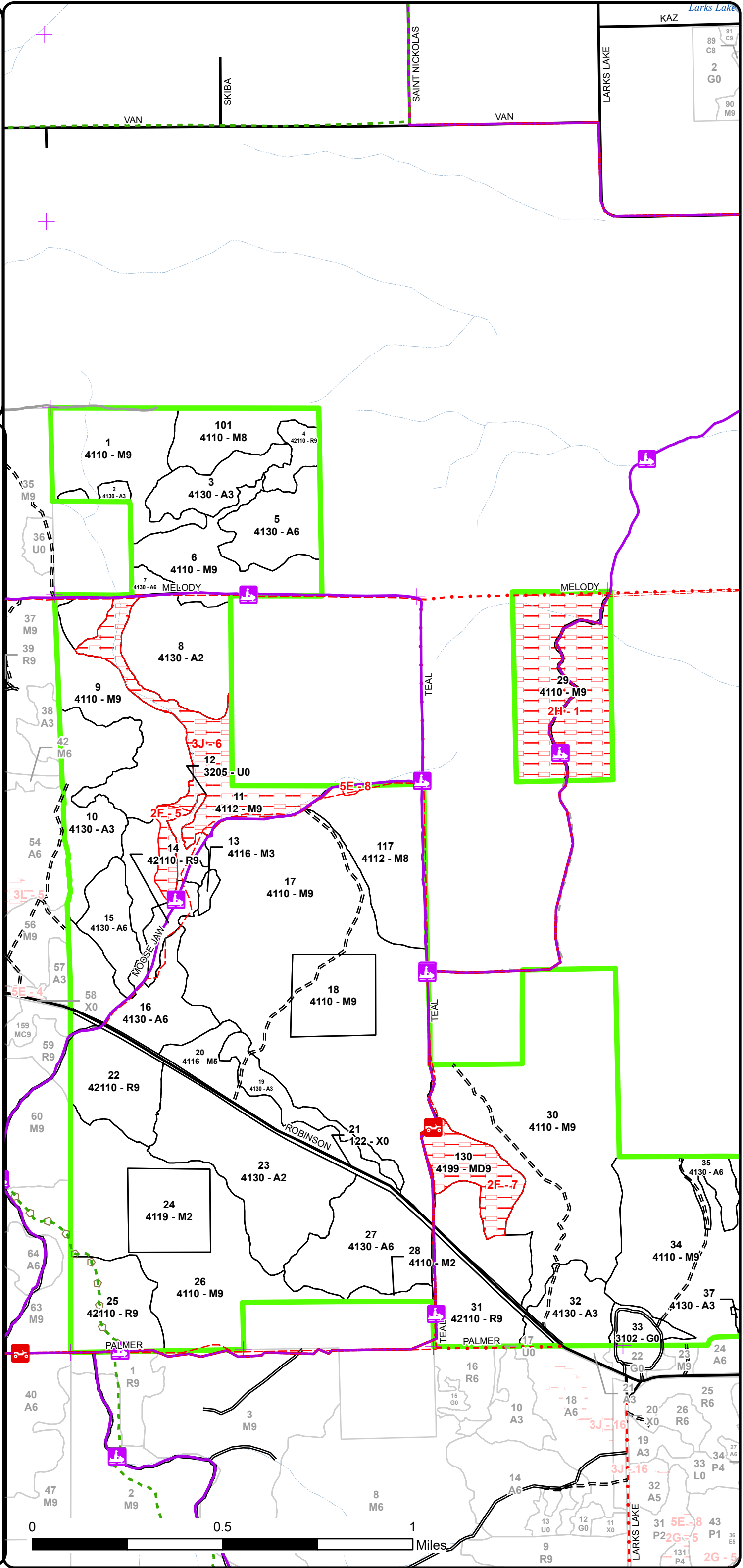


Special Conservation Areas & Site Conditions Map

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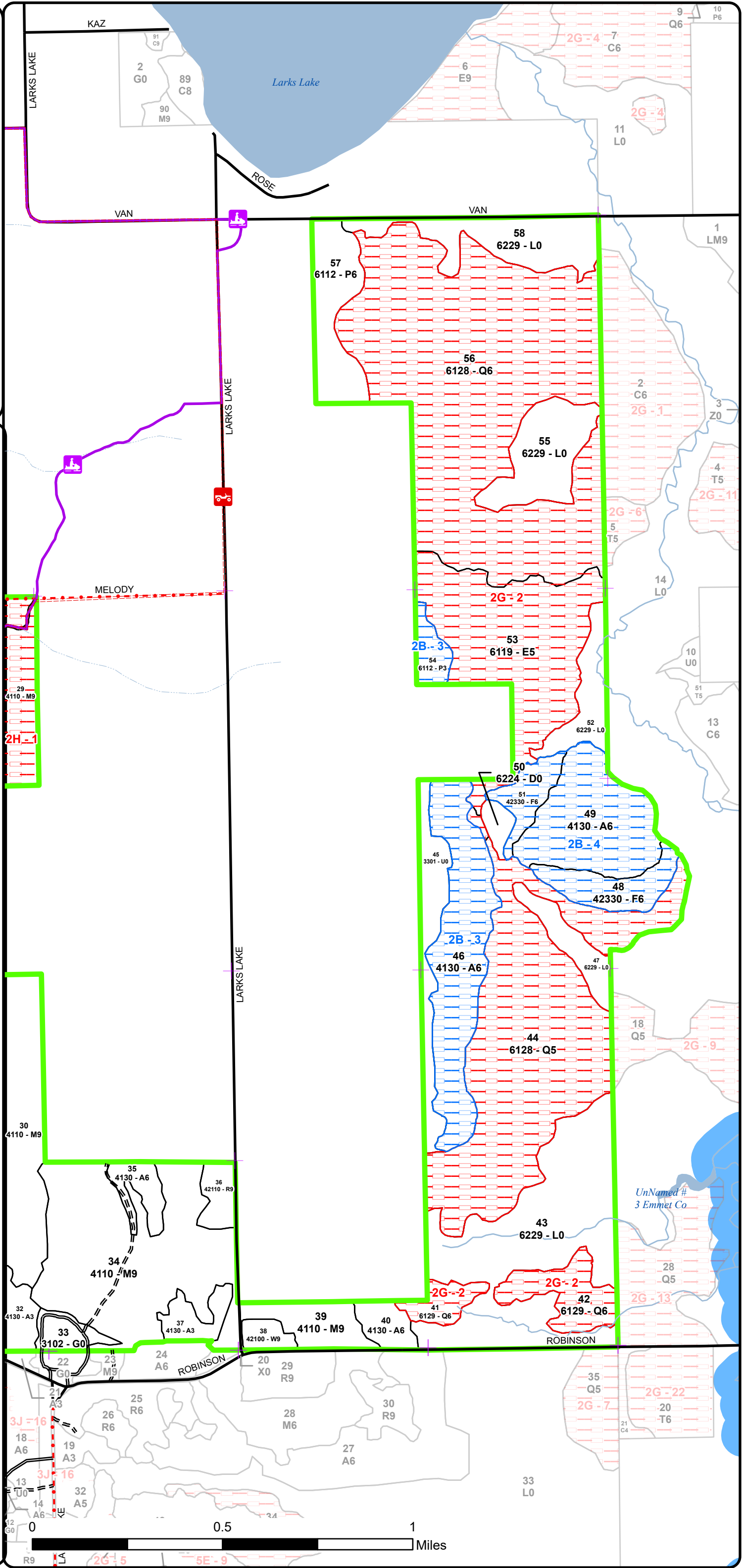
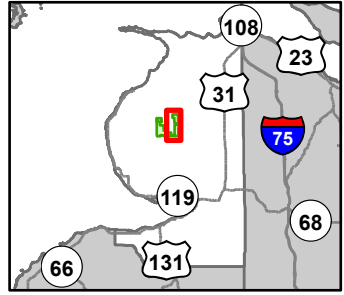


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- Unavailable
- 2F: Too steep



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 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)



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	79	96	82	150	21	126	0	0	0	0	0	0	0	0	0	0	0	553
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Low-Density Trees	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	0	0	0	9	33	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Lowland Conifers	0	0	0	0	0	0	0	273	0	0	34	175	0	0	0	0	0	0	482
Lowland Deciduous	0	0	0	0	0	0	0	0	97	0	0	0	0	0	0	0	0	0	97
Lowland Shrub	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	224
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	25
Northern Hardwood	0	30	0	8	0	0	0	0	0	28	209	646	177	0	0	0	0	0	1097
Red Pine	0	0	0	0	0	0	0	155	0	0	0	0	0	0	0	0	0	0	155
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	34
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Total	285	109	96	99	183	21	126	434	131	28	243	846	177	0	0	0	0	0	2775



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 110

Total Compartment Acres: 2,776

Commercial Harvest - 262
 Harvests with Site Condition - 160
 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	126	0	0	0	0	0	0	0	0	126
Northern Hardwood	51	204	0	0	0	0	0	0	0	255
Upland Spruce/Fir	34	0	0	0	0	0	0	0	0	34
White Pine	0	0	0	0	0	0	6	0	0	6
Total	211	204	0	0	0	0	6	0	0	421

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	421	0	0	0	0	0	30	0	0	452
Next Step	0	0	81	0	0	81	560	24	0	745
Total	421	0	81	0	0	81	590	24	0	1197



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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:

18	52110018-MWRMonitor	30.3	4110 - Sugar Maple Association	Sawtimber Well	100	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> MWR harvest. Monitor regen. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> Unit 1, MWR Gaylord Cluster 3 (52-104-17). <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											

24	52110024-MWRMonitor	30.3	4119 - Mixed Northern Hardwoods	Sapling Medium	6	Immature	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> MWR harvest. Monitor regen. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> MWR Gaylord Cluster 1, PU 1, (52-102-17), <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											

30	52110030-SelCut	161.6	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> A single tree selection harvest is prescribed this YOY. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Do not mark white ash or beech for harvest. Also, favor other underrepresented species. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of the canopy gap area. Legacy trees may exist in stand, follow guidance if they should occur. Mark a few trees (10-20) to be pushed over or cut, and left intact, adjacent to the exterior sale boundary line to create horizontal structure for wildlife. A designated snowmobile trail is located on Teal Rd. Trail must be maintained in reasonable condition if used during harvest activity and be suitable for grooming by December 1. The trail may not be used by harvest equipment from December 1 to April 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season, unless written permission is granted by Gaylord Unit Supervisor. Protect seep areas, den trees and raptor nests. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A fully stocked stand of mixed northern hardwood, except for excessive white ash and beech regen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <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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38	52110038-WPRemoval	6.3	42100 - Planted White Pine	Sawtimber Well	65	171-200	Harvest	Overstory Removal	4123 - Red Oak	Even-Aged	No
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Prescription Cut all trees 2" or larger at DBH, except any incidental oak or hemlock, or any tree 26"+ at DBH. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested, but mark 4 - 8 larger diameter white pine trees to leave unharvested.
Specs: Limit number of skid trails to protect sugar maple understory from damage as much as possible during harvest. Do not cut any trees with a raptor nest. If the nest is active during harvest, refer to the Woodland Raptor guidelines for harvest activity and buffer zone details. Also, do not cut potential den trees found within the sale area. All tops should be chipped, unless market conditions prevent this, in which case, tops should be evenly scattered within the sale area. Include HRD specs.

Next Step Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Regen: Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable natural hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.

Other Comment: Monitor natural regen after harvest. Use standard next step treatments for site prep, planting, herbicide application, and monitoring, as well as any re-planting needs. Plant red oak seedlings and possibly a lesser amount of mixed conifer species.

Site Condition:

Proposed Start Date: 10/1 /2025

39	52110039-SelCut	19.0	4110 - Sugar Maple Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
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Prescription A single tree selection harvest is prescribed this YO. Mark stand down to a post-harvest stocking density BA of 70 - 75 sq. ft. Release desirable crop trees and create two or three 100 - 150' canopy gaps. No tree length skidding will be allowed. There will be no harvest activity during the barkslip season unless changed by written permission from the Gaylord Unit Supervisor. Protect den trees and raptor nests from harvest operations.

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

Acceptable Regen: Mixed northern hardwood species, except for excessive white ash and beech regen.

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

46	52110046-CCutRet	70.0	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest this YO, cutting all trees two inches or larger DBH except black cherry, and incidental oak and hemlock. Also, do not cut trees of any species 26"+ DBH. Harvest only during winter (December 1 to April 1), or dry summer months, to protect landowner's roads and fields from hauling damage, and to help prevent excessive rutting on poorly drained soil within the sale boundary. Within the stand, create 2 - 4 .5 acre retention islands, located in poorly drained areas where possible. Include drumming log specs. Protect den trees and any raptor nests found. Also include Stands 48, 49, and 51 with this harvest contract, which most likely will require a portable bridge to reach these stands.

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

Acceptable Regen: A moderately to fully stocked stand of mixed aspen/northern hardwood species.

Other Comment: Landowner permission required for access.

Site Condition: Unknown Access

Proposed Start Date: 10/1 /2025



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
48	52110048-CCut	20.3	42330 - Upland Fir	Poletimber Well	75	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription Specs:</u> Final harvest this Y.O.E. cutting all trees two inches or larger at DBH except incidental black cherry, oak, and hemlock. Also, do not cut trees of any species 26"+ at DBH. A portable bridge will most likely be necessary to cross the wet area between Stand 46 and Stand 51, north of Stand 50. Harvest only during winter (December 1 to April 1) or dry summer months to protect landowner's roads and fields from hauling damage, and to help prevent excessive rutting on poorly drained soil within the sale boundary. No retention will be included in this smaller acreage stand. Include drumming log specs, and protect den trees and raptor nests found within sale boundary. Also include Stands 46, 49, and 51 on this harvest contract.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> A moderately to fully stocked stand of mixed aspen/balsam fir.</p> <p><u>Other Comment:</u> Landowner permission is required for access.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
49	52110049-CCutRet	55.8	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Final harvest this YO.E, cutting all trees two inches or larger at DBH except incidental black cherry, oak, and hemlock. Also, do not cut trees of any species 26"+ at DBH. A portable bridge will most likely be necessary to cross the wet area between Stand 46 and Stand 51, north of Stand 50. Harvest only during winter (December 1 to April 1) or dry summer months to protect landowner's roads and fields from hauling damage, and to help prevent excessive rutting on poorly drained soil within the sale boundary. Within the stand, create 2 or 3 .5 acre retention islands, located in poorly drained areas where possible. Include drumming log specs and protect den trees and raptor nests found within sale boundary. Also include Stands 46, 48, and 51 on this harvest contract.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> A moderately to fully stocked stand of mixed aspen, with lesser amounts of balsam fir and mixed northern hardwood.</p> <p><u>Other Comment:</u> Landowner permission required for access.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
51	52110051-CCut	13.5	42330 - Upland Fir	Poletimber Well	75	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription Specs:</u> Prescribe final harvest this Y.O.E. cutting all trees two inches or larger at DBH except incidental black cherry, oak, and hemlock. Also, do not cut trees of any species 26"+ at DBH. A portable bridge will most likely be necessary to cross the wet area between Stand 46 and Stand 51, north of Stand 50. Harvest only during winter (December 1 to April 1) or dry summer months to protect landowner's roads and fields from hauling damage, and to help prevent excessive rutting on poorly drained soil within the sale boundary. No retention will be included in this smaller acreage stand. Include drumming log specs, and protect den trees and raptor nests found within sale boundary. Also include Stands 46, 48, and 49 on this harvest contract.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> A moderately to fully stocked stand of mixed aspen/balsam fir.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Unknown Access</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
101 52110101-GapCut	23.5	4110 - Sugar Maple Association	Sawtimber Medium	110	51-80	Harvest	Group Selection	4123 - Red Oak	Two-Aged	No
<p><u>Prescription Specs:</u> Two regeneration gaps between .5 – 5 acres will be created in lower stocked areas in the east half of the stand. Gaps will be identified on the ground and all trees 6' or taller, except any incidental hemlock and red oak, and any white pine larger than 26"+ DBH, will be removed from the gap.</p> <p><u>Next Step Treatments:</u> Pesticide, Skidder - Site Prep; Other, ; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> Planted RO 2/3rds, 1/3 conifer at 8x8 spacing. Other desirable hardwood regen that is not ironwood, beech, or ash is acceptable. There are plans for a mechanical release at year 5.</p> <p><u>Other Comment:</u> Add this treatment to the Comp. 105 Gaps North timber sale (52-122-22), out of entry year. Incidental removal of trees between gaps will be required in many situations. Next steps include post-harvest cultivation site prep and replant.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
117 52110117-CCutRet	51.2	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	100	51-80	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all trees 2" and greater at DBH, except any incidental hemlock, oak, and white pine. Leave one .7 acre uncut retention island near the north boundary of the stand containing white pine and hemlock to favor underrepresented species and large trees. Legacy trees may exist in stand, follow guidance if they should occur. Push over or cut whole trees, to be left intact, adjacent to the exterior sale boundary line or retention area, to create horizontal structure for wildlife. Include snowmobile trail protection specs. The snowmobile trail may not be used for any harvest activities from December 1 to April 1. Protect any seeps from equipment damage within the sale boundary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> A moderately to fully stocked stand of mixed aspen and northern hardwood species, except excessive beech and white ash regen.</p> <p><u>Other Comment:</u> Stand may possibly be supplemented with planted red oak and conifer species.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Total Treatment 481.8
Acres Proposed:

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks: Examiner

Compartment: 110
Year of Entry: 2026



Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			2B	2F	2G	2H	3J	5E		
554	428	125		1	Aspen	125		1				
10	10	0		0	Herbaceous Openland							
27	27	0		0	Low-Density Trees							
42	33	9		0	Lowland Aspen/Balsam Poplar	9						
481	0	0		481	Lowland Conifers			481				
97	0	0		97	Lowland Deciduous			97				
224	224	0		0	Lowland Shrub							
25	0	0		25	Mixed Upland Deciduous		25					
1098	968	0		129	Northern Hardwood				81	47	1	
155	155	0		0	Red Pine							
5	5	0		0	Treed Bog							
6	6	0		0	Upland Shrub							
34	0	34		0	Upland Spruce/Fir	34						
13	13	0		0	Urban							
6	6	0		0	White Pine							
2,776	1,874	168		734	Total Forested Acres	168	25	579	81	47	1	
	68%	6%		26%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	81	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Access road south off Melody Lane is too steep for log trucks. Road is designated as private south of the stand.							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	580	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks: Examiner

Compartment: 110
Year of Entry: 2026



3	Available	2B: Unknown if access through adjacent landowner(s) is possible	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	90	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
1	4110 - Sugar Maple Association	Sawtimber Well	50.5	110	81-110	N/A	High quality northern hardwood, mostly sugar maple sawtimber. Stand received a selection harvest (Melody Hardwood, 52-112-16) that was completed in 2021. All white ash and beech were also removed. Post-harvest BA is about 90 sq. ft. Adjacent to private ownership and private road to the north. Possible selection harvest in 20 years.																																					
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2	4130 - Aspen	Sapling Well	3.9	26	Immature	N/A	Dense aspen regen in transition from saps to poletimber. Lesser amounts of mixed northern hardwood saps also. Harvest with Stand 3 to the east in about 30 years.																																					
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4	42110 - Planted Red Pine	Sawtimber Well	9.9	68	111-140	N/A	Small acreage red pine plantation, mostly smaller diameter sawlogs. Last thinned in 2018. Post-harvest BA is presently about 120 sq. ft. Thin next YOE, with final harvest in 20 years possibly.																																					
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5	4130 - Aspen	Poletimber Well	30.8	36	51-80	N/A	Well-stocked mixed aspen, mostly smaller diameter poletimber, from 1988 final harvest. Present BA about 80 sq. ft. Fairly dense mixed hardwood understory. Final harvest in 20 years.																																					
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6	4110 - Sugar Maple Association	Sawtimber Well	41.5	100	51-80	N/A	Fairly high quality mixed hardwood, mostly sugar maple sawtimber/poletimber, on rolling hills adjacent to Melody Lane, which is also a designated snowmobile trail. Stand received a selection harvest in 1997. Most of the white ash and beech have fallen out of the stand. BA is about 80 sq. ft. presently. Possible selection in 20 years.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
7	4130 - Aspen	Poletimber Well	4.1	37	51-80	N/A	Small acreage mixed aspen poletimber from 1987 final harvest, adjacent to snowmobile trail, located on steep, west facing slope. BA is about 80 sq. ft. presently. Harvest this stand with Stand 8 to the south in about 30 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		10	Pole	6	37	Sugar Maple		Medium	10 - 20 feet	Sapling
Bigtooth Aspen		90	Pole	6	37	Beech		Low	10 - 20 feet	Sapling
8	4130 - Aspen	Sapling Medium	56.0	15	Immature	N/A	Mixed aspen/hardwood regen from 2009 final harvest. Adjacent to snowmobile trail and private ownership. An intermittent drainage flows south between the two parts of Stand 8. East portion of stand is located on a west facing slope. Final harvest in 30 - 40 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Sapling	1	15	Blackberry/Raspberry		Medium	< 5 feet	Tall Shrub
Beech		5	Sapling	1	15					
Bigtooth Aspen		75	Sapling	2	15					
Sugar Maple		15	Sapling	1	15					
9	4110 - Sugar Maple Association	Sawtimber Well	51.0	100	81-110	N/A	High quality northern hardwood stand, almost entirely sugar maple sawtimber. Present BA is about 105 sq. ft. Stand was thinned (TSI) by Camp Pellston prison crew in 1997. Hold treatment, single tree selection, for ten years to allow BA to increase. A small drainage along the east edge of the stand will need to be protected during harvest.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		100	Log/Pole	14	100	Ironwood		Low	10 - 20 feet	Sapling
						Sugar Maple		Medium	Variable	Sapling
						Beech	Low	5 - 10 feet	Sapling	
10	4130 - Aspen	Sapling Well	43.0	27	Immature	N/A	Dense mixed aspen/northern hardwood regen from 1997 final harvest. Aspen in transition from saps to small poletimber. Possible final harvest in 20 years.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		3	Sapling	2	27					
Beech		3	Sapling	2	27					
Bigtooth Aspen		74	Sapling/Pole	4	27					
Sugar Maple		20	Sapling	2	27					
11	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70.6	95	81-110	N/A	Lesser quality mixed northern hardwood stand, mostly sugar maple poletimber transitioning into sawtimber. Some larger diameters of various species present. Fairly heavy beech understory throughout the stand. The BA averages about 98 sq. ft. at present. Two spring-fed drainages run through this stand, with a site condition (3J, Water quality) applied to the adjacent forest cover, which slopes down to each drainage, to protect them from sedimentation occurring during an active timber harvest. A second site condition (2F, Too steep) exists within the southern 1/3 of the stand, in an area located on the side of a steep, east-facing slope, which is inoperable for harvest equipment. The southern-most portion of Stand 11 could potentially be treated when Stand 9 is harvested, possibly in ten years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Log/Pole	11		Ironwood		Low	5 - 10 feet	Sapling
Bigtooth Aspen		7	Log	14		Sugar Maple		Medium	10 - 20 feet	Sapling
Quaking Aspen		3	Pole/Log	8		Beech		High	5 - 10 feet	Sapling
Yellow Birch		2	Log	14		White Ash		Low	Variable	Sapling
Sugar Maple		68	Log/Pole	10	95					
Basswood		5	Log/Pole	11						
Beech		5	Log/Pole	12						
12	3205 - Mixed Upland Shrub	Nonstocked	6.2		Unspecified	No	Upland shrubs and encroaching hardwood saps. Small drainage runs south along west side of stand. Snowmobile runs through stand.			
Sub-Canopy Species		Density	Avg. Height	Size						
Hawthorn (spp.)		Low	5 - 10 feet	Tall Shrub						
Honeysuckle (spp.)		Low	5 - 10 feet	Tall Shrub						
Apple (spp.)		Low	Unspecified	Sapling						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
13	4116 - Mixed N. Hardwood - Aspen	Sapling Well	2.6	22	Immature	N/A	Small, stand of mixed northern hardwood/big-toothed aspen saplings from 2002 final harvest. Stand also served as a landing area for adjacent hardwood selection harvest.			
Canopy Species		% Cover	Size Class	DBH	Age					
Sugar Maple		50	Sapling	2	22					
Bigtooth Aspen		40	Sapling	3	22					
Beech		10	Sapling	2	22					
14	42110 - Planted Red Pine	Sawtimber Well	10.1	68	111-140	N/A	Variably stocked, small acreage red pine plantation, mostly smaller diameter sawtimber. Present BA is about 117 sq. ft. Stand was last thinned in 1997. Thin or final harvest this stand in 10 - 20 years, with nearby red pine stands prescribed for harvest at that time. Snowmobile trail runs through stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100	Log/Pole	12	68	Sugar Maple		High	10 - 20 feet	Sapling
						Beech		Medium	5 - 10 feet	Sapling
15	4130 - Aspen	Poletimber Well	20.6	47	51-80	N/A	Stand consists mostly of moderately stocked quaking aspen poletimber from 1977 final harvest. Fairly dense mixed hardwood understory present. Prescribe a final harvest in ten years to allow for increased diameter growth, Adjacent to snowmobile trail.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		80	Pole	8	47	Black Cherry		Low	10 - 20 feet	Sapling
Bigtooth Aspen		20	Pole	8	47	Red Maple		Low	10 - 20 feet	Sapling
						Sugar Maple		Medium	10 - 20 feet	Sapling
16	4130 - Aspen	Poletimber Well	43.3	37	51-80	N/A	Dense, young aspen poletimber, from 1987 final harvest. Possible final harvest in 10 - 20 years. Snowmobile trail runs through stand. Adjacent to county road.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		20	Pole/Sapling	6	37	Sugar Maple		Low	10 - 20 feet	Sapling
Bigtooth Aspen		80	Pole/Sapling	6	37	Black Cherry		Low	10 - 20 feet	Pole
						Beech		Low	10 - 20 feet	Sapling
17	4110 - Sugar Maple Association	Sawtimber Well	228.4	100	81-110	N/A	Mixed northern hardwood, mostly sugar maple sawtimber, on rolling hills and steep slopes. Scattered, sparse, large red oak is also present. Stand received a selection harvest from 2000 - 2003. Present BA is about 103 sq. ft. Heavy sugar maple and beech regen from that harvest is present in many areas. Possible single tree selection harvest possible in 10 - 20 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		85	Log/Pole	12	100	Sugar Maple		High	10 - 20 feet	Sapling
Red Maple		2	Pole/Log	10		Beech		High	10 - 20 feet	Sapling
Basswood		10	Log/Pole	12						
Beech		3	Log/Pole	12						
18	4110 - Sugar Maple Association	Sawtimber Well	30.3	100	51-80	N/A	Mixed northern hardwood poletimber/sawtimber on rolling hills and steep slopes. Scattered, sparse, large red oak is also present. Stand received a selection harvest from 2000 - 2003. BA was lowered significantly in various locations throughout stand. Harvested as a group selection cut in 2017/2018 as part of MWR project. Twenty .3 - 1 acre canopy gaps created (40% of stand). Sprayed 7/27/20. Scarification completed 8/17/2020.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Log/Pole	10		Sugar Maple		Medium	Variable	Sapling
Basswood		10	Log/Pole	12		Beech		High	Variable	Sapling
Beech		2	Log/Pole	12		White Ash		Medium	Variable	Sapling
Sugar Maple		83	Log/Pole	12	100					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	4130 - Aspen	Sapling Well	16.9	16	Immature	N/A	Quaking aspen/northern hardwood regen from 2008 final harvest.		
Canopy Species		% Cover	Size Class	DBH	Age				
Sugar Maple		5	Sapling	1	16				
Black Cherry		5	Sapling	1	16				
Beech		10	Sapling	1	16				
Quaking Aspen		80	Sapling	2	16				
20	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	27.9	80	1-50	N/A	Lesser stocked stand of mostly sugar maple, quaking aspen, and black cherry poletimber. Various shrubs, including hawthorn in the understory. Lower volume, smaller diameters. Adjacent to county road to south and A3 to the north. Harvest this stand with Stand 16 to the west in about 20 years. Protect shrubs.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		40	Pole/Sap/Log	8	80	Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple		10	Pole/Sapling	6		Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen		30	Pole/Sapling	6		Black Cherry	Low	10 - 20 feet	Sapling
Black Cherry		20	Pole	8		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
						Pin Cherry	Low	5 - 10 feet	Sapling
21	122 - Road/Parking Lot	Nonstocked	12.8		Unspecified	No	Robinson Rd.		
22	42110 - Planted Red Pine	Sawtimber Well	36.5	68	141-170	N/A	Red pine plantation of variable diameters and stocking densities. Very heavy advanced hardwood understory present. Red pine BA averages about 148 sq. ft. at present. Stand was heavily thinned in 1996. Thin in ten years. Adjacent to county road. Snowmobile trail runs through this stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		5	Sapling/Pole	3	28	Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Pine		95	Log/Pole	12	68	Sugar Maple	Full	10 - 20 feet	Sapling
						Balsam Fir	Low	5 - 10 feet	Sapling
						Black Cherry	Low	10 - 20 feet	Sapling
						Beech	Low	10 - 20 feet	Sapling
23	4130 - Aspen	Sapling Medium	78.5	4	Immature	N/A	Stand consists quaking aspen regen from 2020 final harvest and residual, sparse scattered black cherry poletimber(about 5 sq. ft. of BA), left for soft mast, over a very dense growth of hawthorne. Aspen regen is moderate, in dense scattered clones. Excellent wildlife cover will result. Adjacent to county road.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		3	Pole	8	55	Black Cherry	Low	5 - 10 feet	Sapling
Quaking Aspen		97	Sapling	1	4	Hawthorn (spp.)	High	< 5 feet	Tall Shrub
						Pin Cherry	Low	5 - 10 feet	Sapling
						Viburnum	Low	< 5 feet	Tall Shrub
24	4119 - Mixed Northern Hardwoods	Sapling Medium	30.3	6	Immature	N/A	Stand was one of the MWR treatment areas, MWR Gaylord Cluster 1, PU 1, (52-102-17), completed in 2018. Harvest consisted of a seed tree cut resulting in a post-harvest BA of 16 sq ft, made up of mostly sugar maple sawtimber/poletimber, with lesser amounts of basswood, red maple, black cherry, and beech. Trees or portions of trees <9" in diameter were felled and left on site to serve as a physical barrier to browsing deer.		
Canopy Species		% Cover	Size Class	DBH	Age				
Beech		30	Sapling	1	6				
Black Cherry		5	Sapling	1	6				
Sugar Maple		20	Sapling	1	6				
Red Maple		10	Sapling	1	6				
White Ash		15	Sapling	1	6				
Basswood		20	Sapling	1	6				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
25	42110 - Planted Red Pine	Sawtimber Well	34.6	68	141-170	N/A	Red pine plantation, mostly smaller diameter sawtimber. Stand received a crown thinning in 2007. Present BA is about 150 sq. ft. Probable marked thinning prescribed in ten years. Variably stocked hardwood understory at present. North Country Pathway runs through stand. Snowmobile trail runs along south boundary.																																													
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26	4110 - Sugar Maple Association	Sawtimber Well	99.1	110	51-80	N/A	Stand consists of mostly sugar maple sawtimber, on rolling hills. Present BA is 75 sq. ft., from heavily marked selection harvest in 2001. Lots of large diameters. 30 acres of original stand was prescribed in 2017 as a MWR harvest. Canopy gap cuts prescribed in adjacent compartment to the west. No gap cuts will be prescribed for this stand at this time. Possible selection harvest in 20 years.																																													
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27	4130 - Aspen	Poletimber Well	51.0	35	51-80	N/A	Fairly dense aspen regen, mostly small diameter poletimber, from 1989 final harvest. Present BA is about 80 sq. ft. Adjacent to county roads. Possible final harvest in 20 years.																																													
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28	4110 - Sugar Maple Association	Sapling Medium	4.5	25	Immature	N/A	Small stand of mixed northern hardwood saplings and clumps of dense hawthorn, with a sparse overstory of black cherry and quaking aspen. Adjacent to private residence, county road, and snowmobile trail. Stand serves as a buffer between A6 stand and residence. Could be harvested with adjacent Stand 27 in about 20 years.																																													
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29	4110 - Sugar Maple Association	Sawtimber Well	81.2	100	81-110	N/A	Stand consists of northern hardwood sawtimber/poletimber (mostly sugar maple) on hilly terrain, with many steep slopes. Difficult truck/equipment access due to the existence of only one road (snowmobile trail) through the stand, that is located on steep terrain in places. The road is designated as private where it continues south of the stand onto private ownership. The best access for equipment would be through private property to the east, over more level terrain. Significant beech mortality from BBD, that has occurred over the last decade, mostly on the east side of the snowmobile trail. West side of trail more heavily stocked with mostly sugar maple sawtimber. Average BA on west side of road is about 110 sq. ft., around 100 to the east. No treatment prescribed due to topography and access issues.																																													
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31	42110 - Planted Red Pine	Sawtimber Well	54.0	68	111-140	N/A	Red pine plantation, mostly smaller diameter sawtimber. Present BA is approximately 140 sq. ft. Stand received a crown thinning in December 2008. Prescribe a thinning in 10 years. Adjacent to county roads and snowmobile trail. Variably stocked mixed hardwood understory.																																														
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32	4130 - Aspen	Sapling Well	24.3	23	Immature	N/A	Dense aspen regen, in transition from saplings to small poletimber, from 2001 final harvest. Lesser amounts of mixed northern hardwood regen also. Final harvest in 30 years. Adjacent to Robinson Rd.																																														
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33	3102 - Grass	Nonstocked	9.6		Unspecified	No	Site of old Camp Pellston prison camp.																																														
34	4110 - Sugar Maple Association	Sawtimber Well	119.3	95	51-80	N/A	Mixed northern hardwood sawtimber, on many rolling hills and steep slopes. Stand was marked and sold in 2011 as a supplement to existing 2011 work plan. Selection harvest was completed in 2015. All ash and beech were also removed. Lower BA at present.																																														
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35	4130 - Aspen	Poletimber Well	11.0	36	51-80	N/A	Smaller diameter big-toothed aspen poletimber from 1988 final harvest. Mixed northern hardwood saps also present. Final harvest again in 20 years.																																														
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36	42110 - Planted Red Pine	Sawtimber Well	9.8	68	141-170	N/A	High quality red pine plantation, mostly smaller diameter sawtimber. Stand was last thinned in 2008 and has a present BA of 144 sq. ft. Hold stand ten years to allow diameters to increase, then thin or final harvest. Adjacent to private ownership and county road.																																																							
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37	4130 - Aspen	Sapling Well	10.9	26	Immature	N/A	Dense aspen regen in transition from saps to small poletimber from 1998 final harvest. Mixed hardwood saps, mostly sugar maple, also present. Final harvest in about 30 years.																																																							
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38	42100 - Planted White Pine	Sawtimber Well	6.3	65	171-200	N/A	Small acreage, planted white pine sawtimber stand, on the corner of two county roads. Present BA is about 193 sq. ft. Very dense, advanced sugar maple understory. Prescribe a final harvest this YOE. The small stand acreage/volume and the lesser demand for white pine will make this stand unattractive to timber buyers on it's own. Include Stands 30, 39, and 117 in the timber sale contract to make this stand more commercially feasible for buyers.																																																							
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39	4110 - Sugar Maple Association	Sawtimber Well	19.0	90	111-140	N/A	Small stand of variably stocked mixed northern hardwood, mostly sugar maple and basswood. Mostly sawtimber within the northern two thirds of the stand, with more pulpwood in the southern one third, along Robinson Rd. Present BA is about 116 sq. ft. Prescribe a single tree selection harvest this YOE. Larks Lake Rd. is adjacent to the west. Adjacent to private property to the north. Possible survey required. Include with Stands 30, 38, and 117 in the sale contract.																																																							
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41	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	10.4	90	81-110	N/A	Mixed swamp conifers on very wet ground. Pleasantview Swamp. Too wet to harvest.																																																							
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43	6229 - Mixed lowland shrub	Nonstocked	116.1		Unspecified	No	Very wet. Mixed lowland shrubs. Tributaries to the West Branch Maple River present.																																																												
44	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	174.7	100	51-80	N/A	Pleasantview Swamp. Swamp conifers with scattered swamp hardwood and overmature quaking aspen. Too wet to harvest.																																																												
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45	3301 - Low Density Deciduous Trees	Nonstocked	26.5		Unspecified	No	Open, grassy area with encroaching hardwood and aspen saps, and scattered shrubs, including hawthorn.																																																												
46	4130 - Aspen	Poletimber Well	70.0	54	51-80	N/A	Quaking aspen poletimber from 1970 final harvest, on mostly higher ground, but gets increasingly wet along the eastern edge of the stand, adjacent to the swamp. Stand was under contract for harvest in the 2016 YOE (Akaska Aspen, 52-136-16), but was never started and voluntarily cancelled by the producer. Access is only possible through private property, and may no longer be available from landowner(s). Prescribe for final harvest again this YOE, with site condition 2B applied.																																																												
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47	6229 - Mixed lowland shrub	Nonstocked	15.1		Unspecified	No	Mixed lowland shrubs on very wet site.																																																												
48	42330 - Upland Fir	Poletimber Well	20.3	75	51-80	N/A	Higher ground balsam fir, with scattered quaking aspen poletimber. Stand 48 was under contract for harvest in the 2016 YOE as part of the Akaska Aspen sale (52-136-16), but was never started and voluntarily cancelled by the producer. Access is only possible through private property, and may no longer be available from landowner(s). Prescribe again for final harvest this YOE, with site condition 2B.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
49	4130 - Aspen	Poletimber Well	55.8	54	51-80	N/A	Stand consists of mostly quaking aspen poletimber, with lesser amounts of big-toothed aspen, balsam fir, and red maple from 1970 final harvest. Stand was under contract for harvest in the 2016 YOE (Akaska Aspen, 52-136-16), but was never started and voluntarily cancelled by the producer. Access is only possible through private property, and may no longer be available from landowner(s). A portable bridge will also be necessary to cross wet area between Stand 46 and Stand 51, north of Stand 50. Prescribe final harvest this YOE, with site condition 2B.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		80	Pole	8	54	Beech		
Red Maple		3	Pole	8		Balsam Fir		
Bigtooth Aspen		11	Pole/Log	9		Sugar Maple		
Balsam Fir		6	Pole	6		Red Maple		
						Density	Avg. Height	Size
						Low	10 - 20 feet	Sapling
						Low	10 - 20 feet	Sapling
						Medium	10 - 20 feet	Sapling
						Low	10 - 20 feet	Sapling
50	6224 - Treed Bog	Nonstocked	5.4		Unspecified	No	Bog with sparse scattered black spruce.	
51	42330 - Upland Fir	Poletimber Well	13.5	75	51-80	N/A	Higher ground balsam fir, with scattered quaking aspen poletimber. Stand 51 was under contract for harvest in the 2016 YOE as part of the Akaska Aspen sale (52-136-16), but was never started and voluntarily cancelled by the producer. Access is only possible through private property, and may no longer be available from landowner(s). Prescribe again for final harvest this YOE, with site condition 2B.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		10	Pole	6		Balsam Fir		
Balsam Fir		90	Pole	8	75			
						Density	Avg. Height	Size
						High	5 - 10 feet	Sapling
52	6229 - Mixed lowland shrub	Nonstocked	20.0		Unspecified	No	Mixed lowland shrubs, mostly tag alder, on very wet ground.	
53	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	97.0	75	51-80	N/A	Mixed lowland swamp hardwood/aspen, mostly poletimber with a few sawtimber trees. Scattered balsam fir and tamarack also. Stand is located on very poorly drained soil, too wet to harvest without extensive rutting. Access is available only through private property.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		25	Pole	8		Paper Birch		
Quaking Aspen		25	Pole	8		Red Maple		
Red Maple		50	Pole/Log	9	75	Balsam Fir		
						Tag Alder		
						Density	Avg. Height	Size
						Low	10 - 20 feet	Sapling
						Low	10 - 20 feet	Sapling
						Low	10 - 20 feet	Sapling
						High	5 - 10 feet	Tall Shrub
54	6112 - Lowland Aspen	Sapling Well	9.0	27	Immature	N/A	Mixed quaking aspen/swamp hardwood regen from 1997 final harvest, on a wet site. Requires landowner permission to access stand. Final harvest in 20 - 30 years.	
Canopy Species		% Cover	Size Class	DBH	Age			
Paper Birch		10	Sapling	2	27			
Quaking Aspen		65	Sapling/Pole	4	27			
Red Maple		25	Sapling	2	27			
55	6229 - Mixed lowland shrub	Nonstocked	34.1		Unspecified	No	Mixed lowland shrubs.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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56 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 273.2 65 51-80 N/A Pleasantview Swamp. Mixed swamp conifers with scattered paper birch, red maple, and overmature quaking aspen. Poorly drained soil, too wet to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	10	Pole	8		Tamarack	Low	5 - 10 feet	Sapling
Tamarack	15	Pole	8		Northern White Cedar	Low	5 - 10 feet	Sapling
Northern White Cedar	20	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Quaking Aspen	10	Log	14		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	15	Pole	6					
Balsam Fir	20	Pole	8	65				

57 6112 - Lowland Aspen Poletimber Well 32.9 34 51-80 N/A Well-stocked quaking aspen regen, in transition from saps to small poletimber, from 1990 final harvest. On very wet ground. Stand is on a lowland site but is dry enough to be harvested in winter or possibly a very dry summer. Possible final harvest in 20 years.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	100	Pole/Sapling	5	34	Tag Alder	Low	5 - 10 feet	Tall Shrub
					Red Maple	Low	10 - 20 feet	Sapling
					Sugar Maple	Low	10 - 20 feet	Sapling
					Balsam Fir	Low	10 - 20 feet	Sapling
					Quaking Aspen	High	10 - 20 feet	Sapling

58 6229 - Mixed lowland shrub Nonstocked 38.3 Unspecified No Standing water. Mixed lowland shrubs, mostly tag alder. Adjacent to Van Rd. Some scattered fir, spruce, paper birch, and quaking aspen.

101 4110 - Sugar Maple Association Sawtimber Medium 27.4 110 51-80 N/A High quality northern hardwood, mostly sugar maple sawtimber. Stand received a selection harvest (Melody Hardwood, 52-112-16) that was completed in 2021. All white ash and beech were also removed. Post-harvest BA is about 57 sq. ft. For the 2026 YOY, create two regen gap cuts, in lesser stocked areas where possible. Adjacent to private ownership to the north. Add this harvest to the existing timber sale contract Comp.105 Gaps North timber sale (52-122-22), out of entry year.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	98	Log/Pole	10	110	Sugar Maple	Low	< 5 feet	Sapling
Bigtooth Aspen	2	Log	15		Beech	Medium	Variable	Sapling
					Ironwood	Low	Variable	Sapling
					White Ash	High	< 5 feet	Sapling
					Black Raspberry	Full	< 5 feet	Tall Shrub

117 4112 - Maple, Beech, Cherry Association Sawtimber Medium 51.9 100 51-80 N/A Lesser quality, lesser stocked mixed northern hardwood, consisting of mostly red maple, sugar maple, and beech sawlogs and poletimber, on rolling hills. Big-toothed aspen is also found in the stand. A fair amount of dead beech is present. Dense advanced beech regen, with lower amounts of sugar maple, is found in the understory. Prescribe a final harvest this YOY to regenerate the stand with desirable species. Adjacent to snowmobile trail on the north and east sides. Include with Stands 30, 38, and 39 in the contract.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	11	100	White Ash	Low	< 5 feet	Sapling
Beech	20	Log/Pole	12		Beech	High	10 - 20 feet	Sapling
Bigtooth Aspen	15	Log/Pole	11		Red Maple	Low	Variable	Sapling
Sugar Maple	25	Log/Pole	10	100	Sugar Maple	Medium	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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130	4199 - Other Mixed Upland Deciduous	Sawtimber Well	25.4	100	51-80	N/A	
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Stand consists of a mix of lesser stocked red oak sawtimber, northern hardwood, and big-toothed aspen located mostly on the side of a steep, southwest facing slope. BA is approximately 60 sq. ft. Site condition 2F applied. Fairly dense understory of mostly beech and sugar maple. Too steep to harvest without excessive soil damage.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole/XLog	12	100	White Ash	Low	< 5 feet	Sapling
Basswood	10	Log/Pole/XLog	12		Sugar Maple	Medium	Variable	Sapling
Red Oak	50	XLog/Log	18	100	Ironwood	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	20	Log	16		Beech	High	Variable	Sapling
Beech	10	Log/Pole/XLog	12					