



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52111

Entry Year 2023

Acreage: 3,705

County Emmet

Management Area: Emmet Moraines

Revision Date: 2021-05-04

Stand Examiner: Donald Stacks

Legal Description:

T36N - R05W, Sections 4 - 9, 16 - 18.

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 for the State of Michigan.

Soil and topography:

Tawas peat on the flat, poorly drained soil in the east 1/2 of the compartment, with Blue Lakes loamy sand on rolling hills in the west 1/2 of the compartment.

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

The compartment consists of mostly contiguous state ownership. Several private residences and small farms are located in and adjacent to the compartment.

Unique Natural Features:

Red shouldered hawks and bald eagle have occurred in the compartment in the past.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment is within the W Br Maple River watershed. Much of the watershed is within the Pleasantview Swamp, which is the headwaters of the W Br Maple River. Timber sales in the wetland areas should be limited to winter-only cuts to avoid rutting and sedimentation. Also, a minimum no-clear cut buffer of 100 feet should be maintained adjacent to streams.

Wildlife Habitat Considerations:

Portions of the Pleasantview swamp are found in this compartment. This is a swamp complex home to black bears, bobcats, and various reptile and amphibian species.

Mineral Resource and Development Concerns and/or Restrictions

Two active sand/gravel pits are within two miles, and there appears to be sand & gravel potential in the west half of the compartment. There is no known economic oil & gas potential in this area at this time, but there has been some leasing for oil & gas in the past. There is no known potential for metallic minerals in this part of the state.

Vehicle Access:

Robinson Rd. and Palmer Rd. run along the north boundary of the compartment. Stutsmanville Rd. runs along the south boundary, and Larks Lake Rd. runs through the center of the compartment, from north to south. There are also seasonal county roads and lesser quality forest trail roads available.

Survey Needs:

Survey work may be required along several areas of private ownership.

Recreational Facilities and Opportunities:

Segments of the designated snowmobile/ORV trail and the North Country Pathway run through the compartment

Fire Protection:

The compartment is composed of mostly lower risk fuel types. The Indian River DNR Field Office is located about 25 miles to the SE. The Readmond/Friendship Twp. VFD is located about 7 miles to the west, and the Harbor Springs VFD is

located about 8 miles to the south.

Additional Compartment Information:

HRD has recently been detected in most of the managed red pine stands within this compartment. This will greatly affect future management plans for red pine.

The following reports from the Inventory are attached:

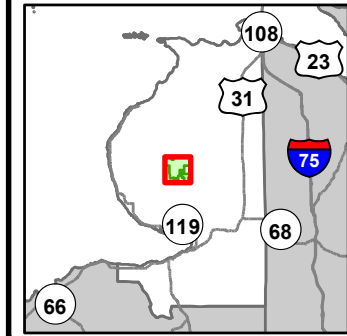
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

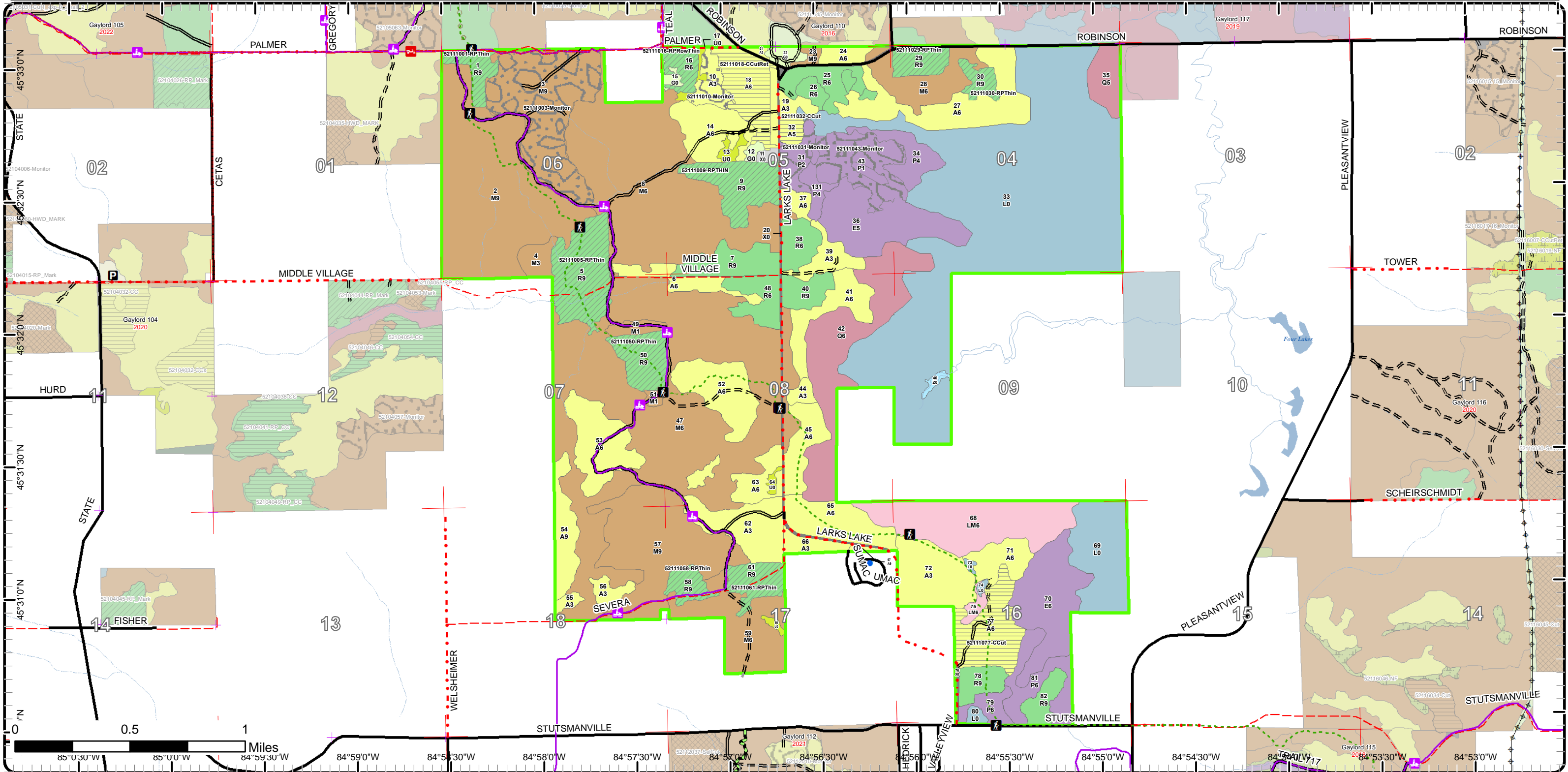
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 111
 T36N, R05W, Sec. 4-9, 16-18
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Emmet Moraines
 YOE: 2023
 Acres: 3704.8 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 10/5/2021
 Map Phase: Post-Review

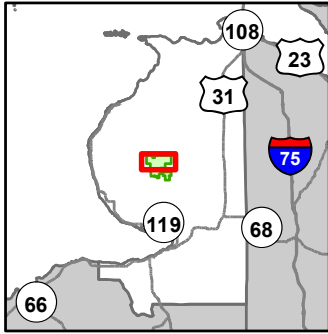


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Non-DNR Trails - User Created
- Tower
- Intermittent Stream
- Perennial River
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

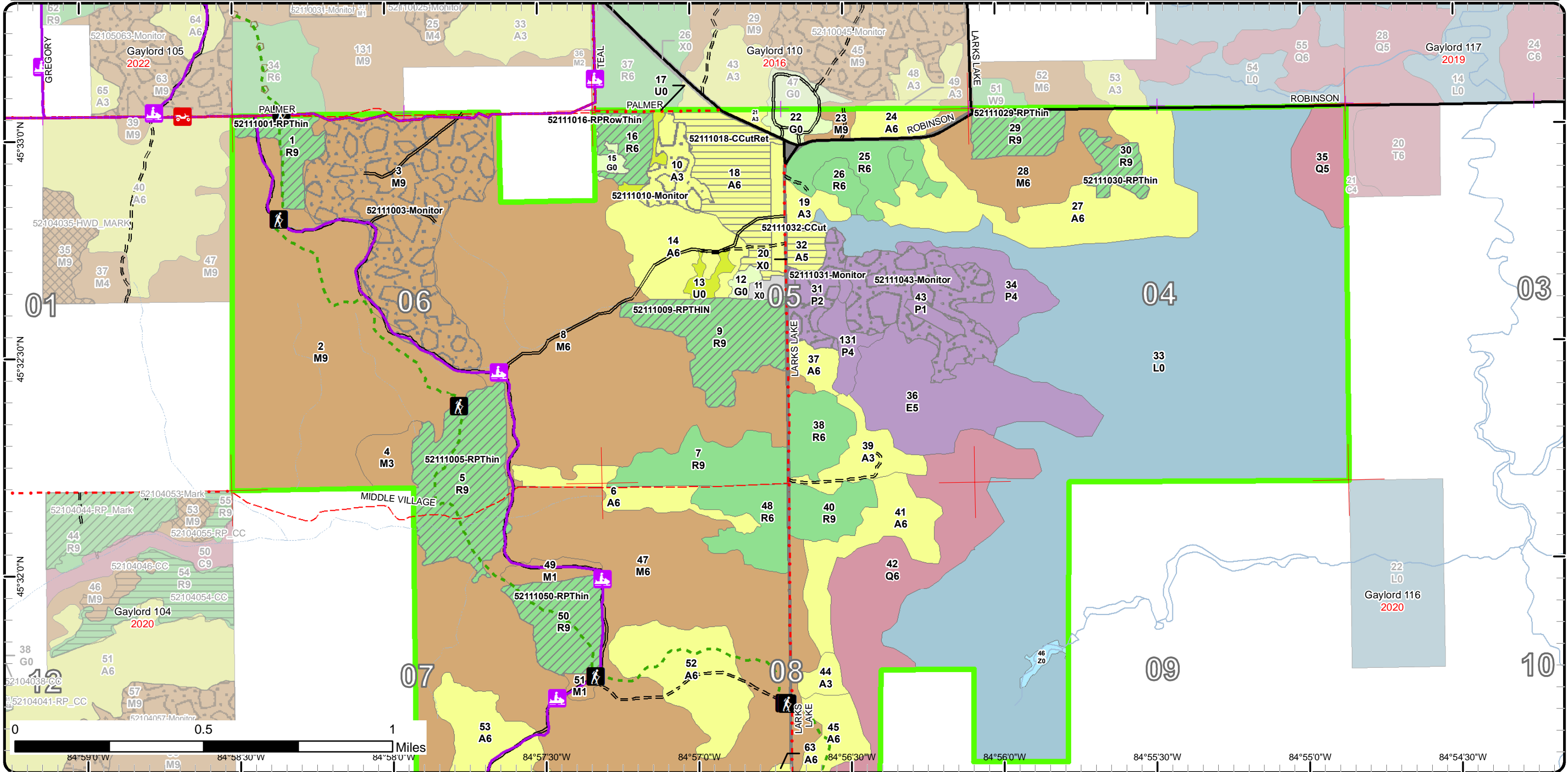


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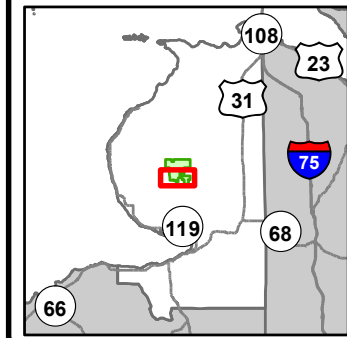


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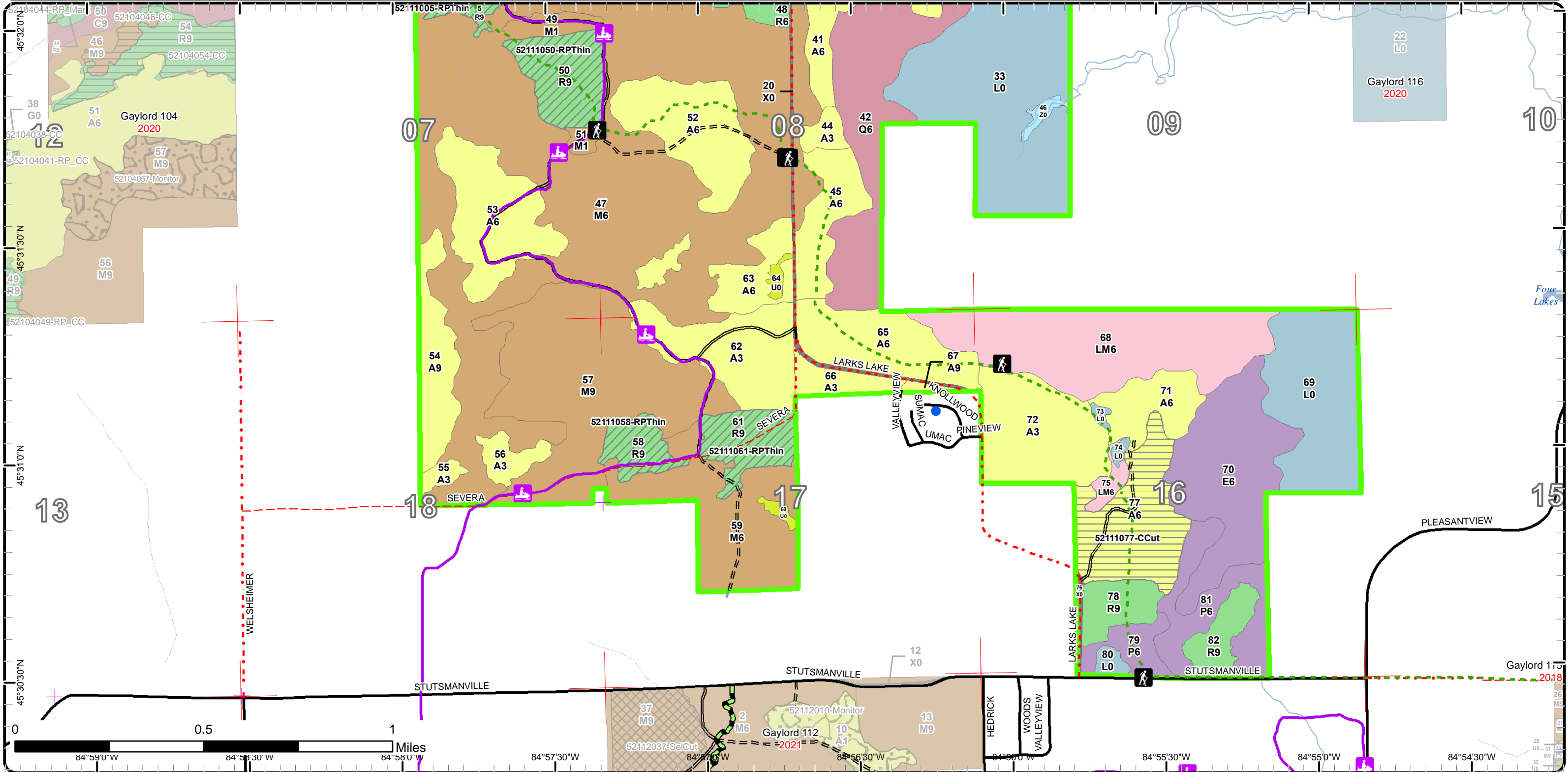


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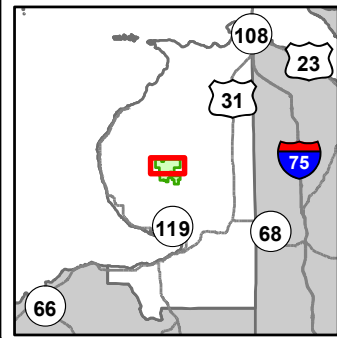


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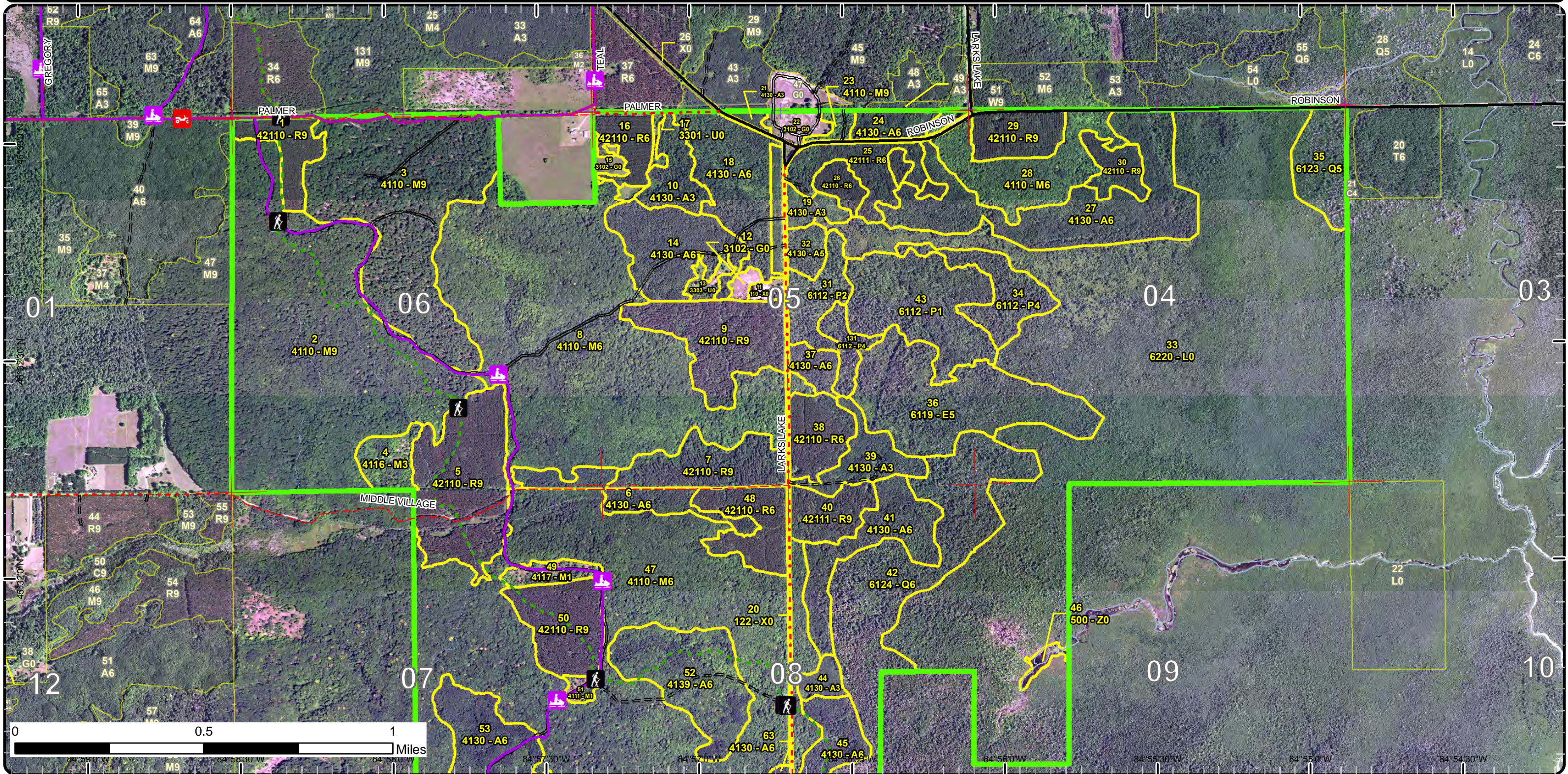


Stand Boundary Map

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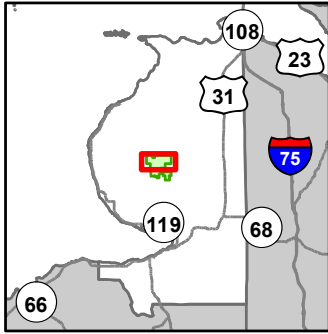


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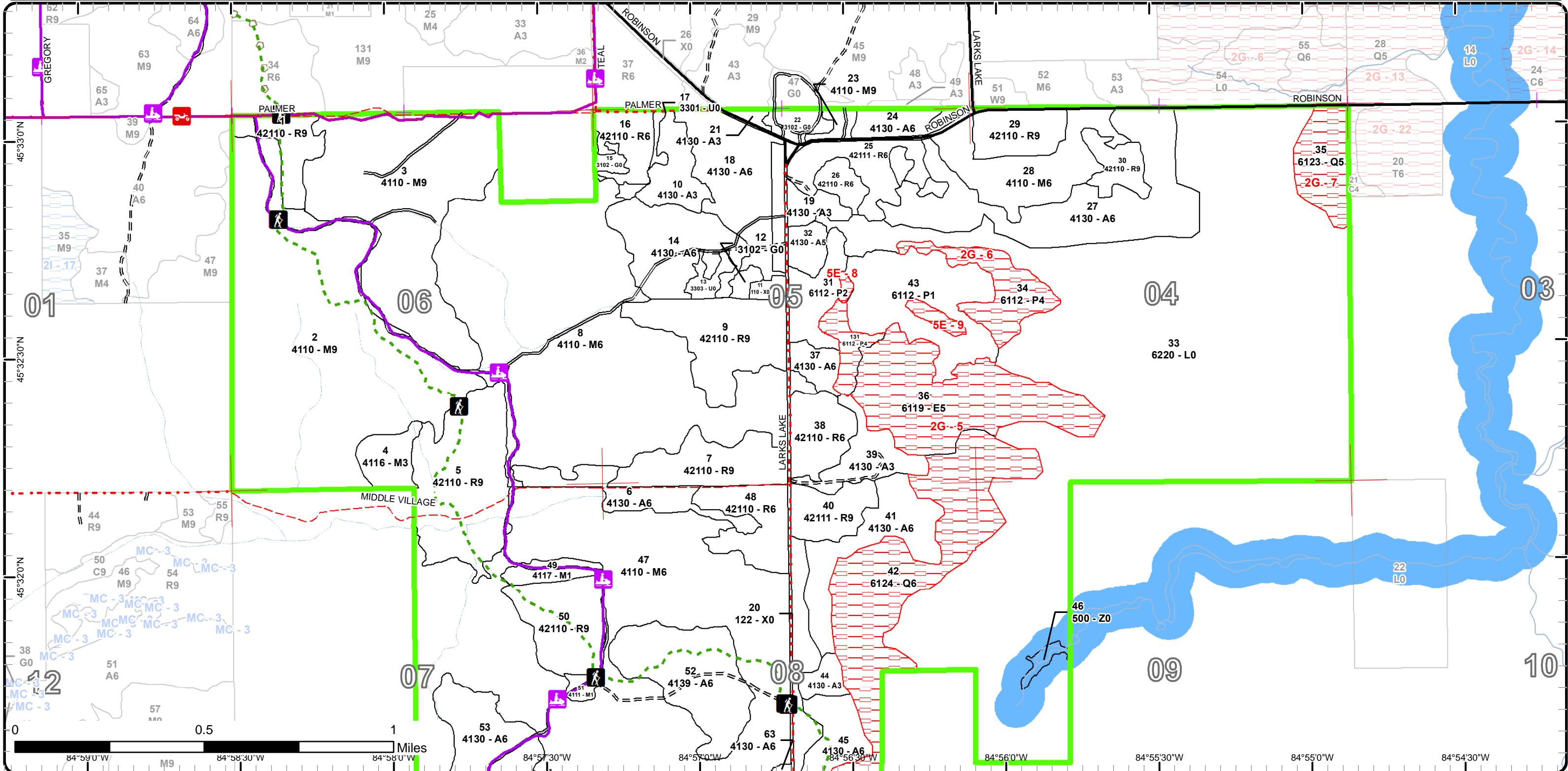


Special Conservation Areas

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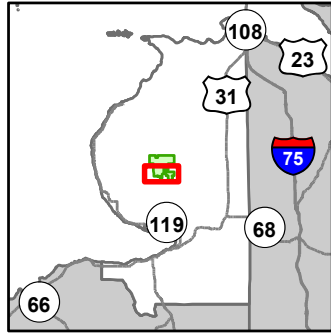


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- Designated Snowmobile Trails
- Intermittent Stream
- Perennial River
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- High Priority Trout Stream Buffer

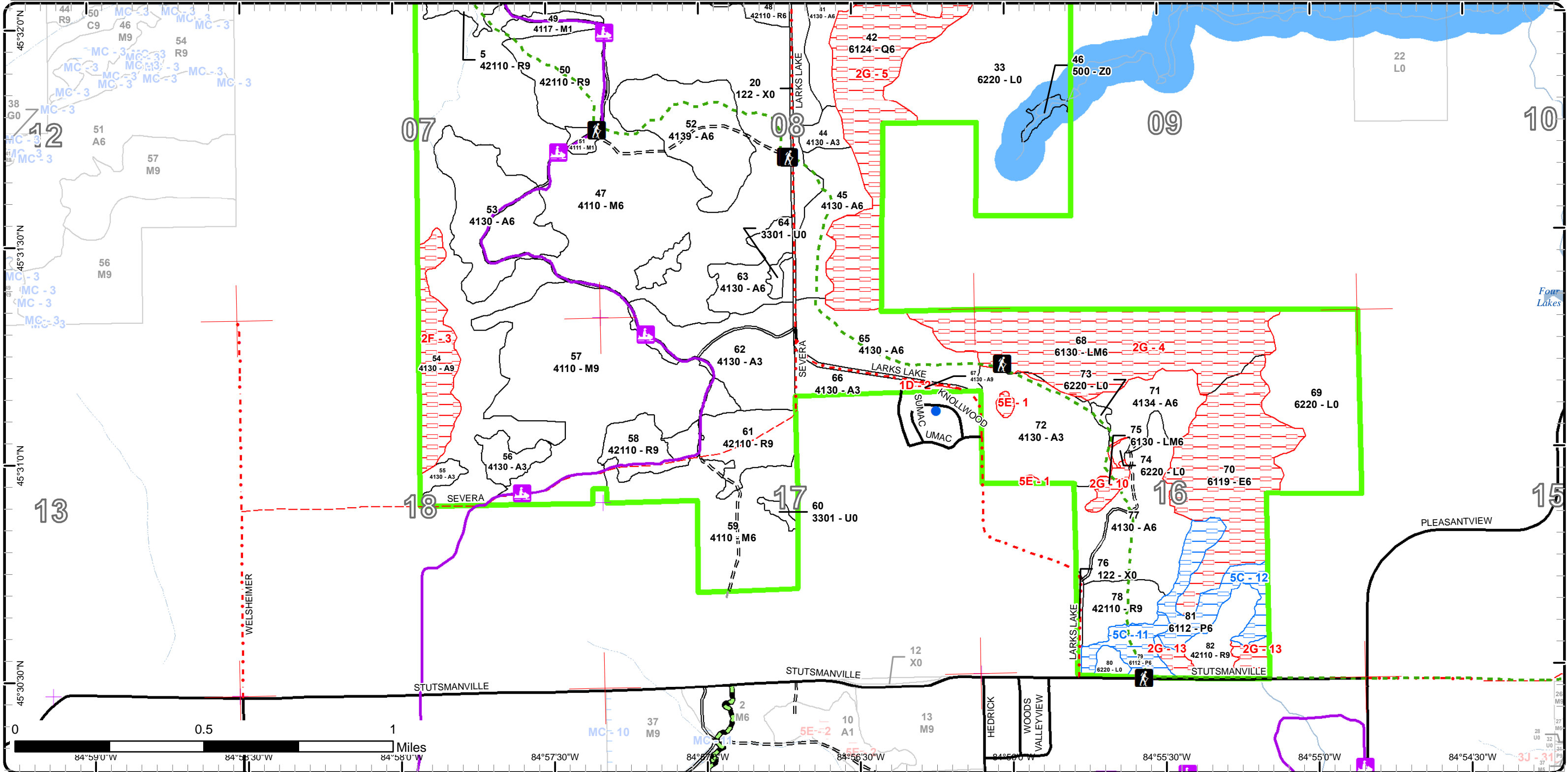


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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1D: Interest Group / Neighbor
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- High Priority Trout Stream Buffer



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	72	33	83	218	249	53	30	0	0	2	0	0	0	0	0	0	0	740
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	75	0	0	0	0	50	0	35	0	0	0	0	0	0	0	0	0	159
Lowland Conifers	0	0	0	0	0	0	0	0	24	114	0	0	0	0	0	0	0	0	138
Lowland Deciduous	0	0	0	0	0	0	0	0	152	0	0	0	0	0	0	0	0	0	152
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0	106
Lowland Shrub	648	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	648
Northern Hardwood	0	0	0	9	4	13	0	0	0	302	721	0	0	0	0	0	0	251	1300
Red Pine	0	0	0	0	15	0	0	394	0	0	0	0	0	0	0	0	0	0	409
Urban	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	700	147	33	92	237	262	103	424	211	416	829	0	0	0	0	0	0	251	3704



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 111

Total Compartment Acres: 3,705

Commercial Harvest - 347
 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	103	0	0	0	0	0	0	0	0	103
Red Pine	0	0	0	0	0	244	0	0	0	244
Total	103	0	0	0	0	244	0	0	0	347

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	347	0	0	0	0	0	213	0	0	561
Next Step	0	0	0	0	0	0	103	0	0	103
Total	347	0	0	0	0	0	317	0	0	664



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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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Approved Treatments:

1	52111001-RPThin	17.5	42110 - Planted Red Pine	Sawtimber Well	65	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD</p> <p><u>Specs:</u> guidelines in timber sale specs. Add sale specs to protect snowmobile and hiking trails at time of harvest. No harvest operations will take place during the barkslip season.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N/A</p> <p><u>Regen:</u></p> <p><u>Other</u> HRD positive stand as of 12/20.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
3	52111003-Monitor	125.6	4110 - Sugar Maple Association	Sawtimber Well	80	51-80	Monitoring	Natural Regen (Intermediate)	4110 - Sugar Maple Association	Even-Aged	No
<p><u>Prescription</u> Monitor density and composition of hardwood regen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of northern hardwood.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
5	52111005-RPThin	64.0	42110 - Planted Red Pine	Sawtimber Well	65	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD</p> <p><u>Specs:</u> harvest guidelines in timber sale specs. Add sale specs to protect snowmobile and hiking trails at time of harvest. No harvest operations will take place during the barkslip season</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> N/A</p> <p><u>Regen:</u></p> <p><u>Other</u> HRD positive stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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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9	52111009-RPTHIN	45.0	42110 - Planted Red Pine	Sawtimber Well	65	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees, and to release desirable crop trees. Include HRD guidelines in timber sale specs. No harvest operations will take place during the barkslip season.

Next Step
Treatments:

Acceptable N/A
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

10	52111010-Monitor	17.1	4130 - Aspen	Sapling Well	2	Immature	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
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Prescription Monitor aspen regen.
Specs:

Next Step
Treatments:

Acceptable A fully-stocked stand of mixed aspen/northern hardwood.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2030

16	52111016-RPRowThin	14.2	42110 - Planted Red Pine	Poletimber Well	39	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut every third row of red pine beginning with the third row in from the north boundary line. Cut and leave intact on the ground, any hardwood or aspen tree, except oak, that blocks the movement of equipment along the cut row. Include HRD harvest guidelines in timber sale specs. No harvest activity will be allowed during the barkslip season. No decking will be allowed in the grass opening (Stand 15), along the west edge of the stand.

Next Step
Treatments:

Acceptable N/A
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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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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18	52111018-CCutRet	42.4	4130 - Aspen	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" or larger at DBH, except any incidental oak or hemlock, and any white pine trees that are 26" or larger, and any other species that would qualify as a legacy tree. Also, do not cut any black cherry banded with pink paint. One .5 - 1 acre unharvested retention island will be left on this sale. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Cut and leave intact on the ground any trees banded with green paint. These trees will serve as ruffed grouse drumming logs. Protect areas of wet ground from seeps from harvest damage following BMP guidelines. Consider retention in these areas.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A moderate to fully stocked stand of mixed aspen/northern hardwood.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

29	52111029-RPThin	19.6	42110 - Planted Red Pine	Sawtimber Well	64	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD guidelines in timber sale specs. No harvest operations will take place during the barkslip season.

Next Step

Treatments:

Acceptable N/A.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

30	52111030-RPThin	12.1	42110 - Planted Red Pine	Sawtimber Well	64	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD guidelines in timber sale specs. No harvest operations will take place during the barkslip season.

Next Step

Treatments:

Acceptable N/A.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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31	52111031-Monitor	18.0	6112 - Lowland Aspen	Sapling Medium	2	Immature	Monitoring	Natural Regen (Re-Inventory)	6130 - Fir, Aspen, Maple	Even-Aged	No
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Prescription Monitor regen.
Specs:
Next Step
Treatments:
Acceptable A fully stocked stand of mixed aspen/northern hardwood/balsam fir.
Regen:
Other Percent to Treat = 100%
Comment:
Site Condition
Proposed Start Date: 10/1 /2030

32	52111032-CCut	7.9	4130 - Aspen	Poletimber Medium	48	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" or larger at DBH, except any incidental oak or hemlock. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested, except to protect any areas of wet ground, including any vernal ponds, following BMP guidelines. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Cut and leave intact on the ground any trees banded with green paint. These trees will serve as ruffed grouse drumming logs.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable A moderate to fully stocked stand of aspen.
Regen:
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2022

43	52111043-Monitor	52.5	6112 - Lowland Aspen	Sapling Poor	1	Immature	Monitoring	Natural Regen (Intermediate)	6112 - Lowland Aspen	Even-Aged	No
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Prescription Monitor regen.
Specs:
Next Step
Treatments:
Acceptable A fully stocked stand of mixed aspen/northern hardwood/balsam fir.
Regen:
Other Percent to Treat = 100%
Comment:
Site Condition
Proposed Start Date: 10/1 /2030



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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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50	52111050-RPThin	31.9	42110 - Planted Red Pine	Sawtimber Well	65	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Specs: Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD guidelines in timber sale specs. Add sale specs to protect snowmobile and hiking trails at time of harvest. No harvest operations will take place during the barkslip season.

Next Step Treatments:

Acceptable Regen: N/A.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

58	52111058-RPThin	15.0	42110 - Planted Red Pine	Sawtimber Well	64	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
-----------	------------------------	------	--------------------------	----------------	----	---------	---------	----------------	-------------------------	-----------	----

Prescription Specs: Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD guidelines in timber sale specs. Add sale specs to protect snowmobile and hiking trails at time of harvest. No harvest operations will take place during the barkslip season.

Next Step Treatments:

Acceptable Regen: N/A. Residual red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

61	52111061-RPThin	24.7	42110 - Planted Red Pine	Sawtimber Well	64	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Specs: Mark and thin stand this YOE to restore BA back to 120 sq. ft. Concentrate marking suppressed and poorly formed trees. Include HRD guidelines in timber sale specs. Add sale specs to protect snowmobile trail at time of harvest. No harvest operations will take place during the barkslip season.

Next Step Treatments:

Acceptable Regen: N/A. Residual red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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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
77 52111077-CCut	53.1	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" or larger at DBH, except any incidental oak or hemlock. Also, do not cut any black cherry banded with pink paint. One or two unharvested retention islands will be left within the harvest area, preferably in a wet area. Add sale specs to protect the NCP from damage during harvest activities and place signs to warn hikers. Do not cut any trees with a raptor nest, or obvious den trees found within the sale area. Cut and leave intact on the ground any trees banded with green paint. These trees will serve as ruffed grouse drumming logs. There are no seasonal harvest restrictions, but it may be best to harvest during frozen ground conditions in winter or the dry part of summer to minimize soil rutting damage from equipment.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A moderately to well-stocked stand of aspen, with lesser amounts balsam fir and mixed hardwood present also.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 560.6
Acreage Proposed:

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 111
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions					
		With Condition	Not Available		5C	1D	2F	2G	5E
740	706	0	34	Aspen		2	30	0	2
14	14	0	0	Herbaceous Openland					
13	13	0	0	Low-Density Trees					
160	70	40	50	Lowland Aspen/Balsam Poplar	40			44	5
138	0	0	138	Lowland Conifers				138	
152	0	0	152	Lowland Deciduous				152	
106	0	0	106	Lowland Mixed Forest				106	
648	648	0	0	Lowland Shrub					
1299	1299	0	0	Northern Hardwood					
409	409	0	0	Red Pine					
22	22	0	0	Urban					
3	3	0	0	Water					
3,705	3,185	40	479	Total Forested Acres	40	2	30	440	7
	86%	1%	13%	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	1D: Interest Group / Neighbor	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2F: Too steep	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 111
Year of Entry: 2023

4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	178	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	200	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 111
Year of Entry: 2023

10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	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
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	42110 - Planted Red Pine	Sawtimber Well	17.6	65	171-200	N/A	Red pine plantation, mostly sawlogs with scattered poletimber present. Stand was found positive for HRD 12/2020. Stand was last thinned in 1993. Present BA is about 183 sq. ft. Prescribe a marked thinning this YOY. Dense advanced hardwood regen in understory. NCP and a designated snowmobile trail run through stand.																																												
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2	4110 - Sugar Maple Association	Sawtimber Well	219.6	90	81-110	N/A	High quality northern hardwood sawtimber stand. Selection harvest completed in 2005. Lower BA of 93 sq. ft. at present time. North Country Pathway and designated snowmobile trail run through stand. South half of the stand are fairly hilly.																																												
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3	4110 - Sugar Maple Association	Sawtimber Well	127.8	80	51-80	N/A	Large stand of mixed northern hardwoods, mostly sugar maple sawtimber, on rolling hills. Sparse, scattered black cherry, yellow birch and BTA are also present. A selection harvest was completed in 2015, with all white ash and beech removed as well. BA averages about 80 sq. ft. presently. A selection harvest might be prescribed in 20-30 years. A designated snowmobile trail runs along the west boundary of the stand. American marten has been detected within the stand.																																												
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4	4116 - Mixed N. Hardwood - Aspen	Sapling Well	13.0	40	51-80	N/A	Encroaching hardwood/aspen into upland shrub stand. Heavily browsed sumac present also.																																												
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6	4130 - Aspen	Poletimber Well	21.4	34	51-80	N/A	Young aspen poletimber stand from 1987 final harvest. BA averages to about 80 sq. ft. Scattered northern hardwood also present. Small acreage. Adjacent to Middle Village Rd.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
7	42110 - Planted Red Pine	Sawtimber Well	31.3	65	141-170	N/A	Variably stocked red pine plantation consisting of mostly smaller sawtimber with poletimber in transition to sawtimber, adjacent to Middle Village and Larks Lake Rds. BA stands at about 150 sq. ft. Numerous areas not stocked with red pine because of seedling mortality or presence of hardwood or aspen at time of trenching/planting. Very heavy advanced hardwood understory, with several young aspen clones present. HRD not detected within this stand but it has been found in a RP stand a half mile to the west, 12/2020. Leave this stand untreated this YOE. Re-examine next YOE entry following existing HRD guidelines.																																										
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8	4110 - Sugar Maple Association	Poletimber Well	251.3	80	81-110	N/A	Large stand of northern hardwoods, mostly sugar maple, on rolling hills, some of which are steep and will be difficult to operate equipment on. A designated snowmobile trail runs along SW boundary of the stand. Stand consists of mostly poletimber and has a lower BA presently averaging about 90 sq. ft. and somewhat throughout the stand. Possible treatment in 10 - 20 years.																																										
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9	42110 - Planted Red Pine	Sawtimber Well	45.0	65	201+	N/A	Variably stocked red pine plantation, mostly sawtimber of various diameters and poletimber in transition to sawtimber, adjacent to Larks Lake Rd. South half of stand is located on some hilly terrain but should not create problems for harvest equipment. HRD not detected in this stand, but found in a RP stand a half mile to the SW in 12/2020. This stand was row-thinned in 1993. BA averages out at about 203 sq. ft. presently. Very heavy advanced hardwood understory. Prescribe a marked thinning this YOE.																																										
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10	4130 - Aspen	Sapling Well	17.1	2	Immature	N/A	Stand was prescribed last YOE but the contract has been extended multiple times, and harvesting did not begin until January 2019. Harvesting was delayed because of extreme wet soil conditions in the other two units of this sale. Harvesting was completed March 2021. A few black cherry were marked to leave as soft mast. Regen looks good so far.																																										
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11	110 - Low Intensity Urban	Nonstocked	3.2		Unspecified	Managed Opening	Past location of the corrections officers' workshop area of Camp Pellston. Gravel parking lot and driveways.																																										
12	3102 - Grass	Nonstocked	3.1		Unspecified	No	Grassy area adjacent to guard workshop site of former Camp Pellston.																																										
13	3303 - Mixed Low Density Trees	Nonstocked	5.1		Unspecified	No	Mix of upland shrub and encroaching mixed aspen/northern hardwood saplings and small poletimber.																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
14	4130 - Aspen	Poletimber Well	40.1	38	51-80	N/A	Quaking aspen poletimber from 1983 final harvest. Fairly dense mixed northern hardwood understory. Current BA is about 70 sq. ft.																															
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15	3102 - Grass	Nonstocked	3.6		Unspecified	No	Grass stand adjacent to private residence. This stand is the result of failed red pine seedlings from adjacent RP stand.																															
16	42110 - Planted Red Pine	Poletimber Well	15.1	39	171-200	N/A	Red pine poletimber planted in 1982, adjacent to Palmer Rd. and private residence. 3 - 4 stick poletimber with a BA of about 197 sq. ft. at present time. Stand was not sampled for HRD, but a RP stand a half mile to the west was HRD positive in 12/2020. RP stand adjacent to the north was negative. Lower 1/3 - 1/2 of trees have self-pruned adequately to prescribe a row-thinning this YO. Row spacing should be adequate for equipment operation without excessive damage to residual trees. Clean understory presently.																															
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17	3301 - Low Density Deciduous Trees	Nonstocked	3.4		Unspecified	No	Sparse hardwood/aspen trees scattered throughout grass stand. Adjacent to Palmer Rd. and young red pine stand.																															
18	4130 - Aspen	Poletimber Well	42.5	47	51-80	N/A	Quaking aspen poletimber with lesser amounts of sawtimber adjacent to Robinson, Larks Lake, and Palmer Rds. Loss of vigor evident in some of the trees. Fairly dense mixed hardwood understory present. Prescribe for final harvest this YO before significant mortality occurs.																															
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19	4130 - Aspen	Sapling Well	15.0	16	Immature	N/A	Young aspen sapling stand, adjacent to Larks Lake Rd, harvested in December 2004.																															
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20	122 - Road/Parking Lot	Nonstocked	16.7		Unspecified	No	Robinson and Larks Lake Rds.																															
21	4130 - Aspen	Sapling Well	2.1	20	Immature	N/A	Young aspen stand in transition from saps to small poletimber, harvested in 2001.																															
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22	3102 - Grass	Nonstocked	7.5		Unspecified	No	Old Camp Pellston prison camp. Building demolition and removal 2010 - 2011.																																					
23	4110 - Sugar Maple Association	Sawtimber Well	4.0	90	81-110	N/A	Small stand of mostly sugar maple sawtimber, adjacent to old Camp Pellston and Robinson Rd.																																					
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24	4130 - Aspen	Poletimber Well	9.8	38	51-80	N/A	Young aspen poletimber stand with a medium mixed northern hardwood understory from 1983 final harvest. Current BA is about 80 sq. ft. Adjacent to Robinson Rd.																																					
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25	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	24.1	65	81-110	N/A	Lesser stocked red pine plantation, mostly poletimber with a few scattered sawlogs present. This stand was not checked for HRD, but nearby stands were negative in 12/2020. Most of the stand has sparse red pine growth, possibly from seedling mortality. These areas have filled in with with aspen and hardwood. Present BA is about 90 sq. ft. The red pine in this stand could be marked and thinned possibly next YOE, but ultimately the entire stand should be clear cut in twenty years with a post-harvest MO of either red pine or aspen/hardwood mix.																																					
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26	42110 - Planted Red Pine	Poletimber Well	11.9	65	111-140	N/A	Red pine plantation, mostly poletimber with a few scattered sawlogs present. This stand was not checked for HRD, but nearby stands were negative in 12/2020. This stand was originally part of Stand 25, but because it was stocked more densely, it was row-thinned in March 2019. Post-harvest red pine BA is about 120 sq. ft. presently. Possible marked thinning, along with adjacent Stand 25, prescribed next YOE.																																					
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27	4130 - Aspen	Poletimber Well	78.4	37	51-80	N/A	Young mixed aspen poletimber stand. Located between a mixed hardwood stand to the north on higher ground and a tag alder swamp on the south and east. BA is about 80 sq. ft. presently. Final harvest in 10 - 20 to maintain aspen coverytype MO.																																					
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28	4110 - Sugar Maple Association	Poletimber Well	43.9	80	81-110	N/A	Mixed northern hardwood poletimber stand, mostly sugar maple and basswood, in transition to small saw logs, adjacent to Robinson Rd. Ave. BA is about 95 sq. ft.																																					
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29	42110 - Planted Red Pine	Sawtimber Well	19.6	64	141-170	N/A	Fairly high quality red pine plantation, even mix of sawtimber/poletimber. Stand examined negative for HRD 12/20, but small areas of pocket mortality are present. Stand had a double row thinning in 1993, and a marked thinning completed in 2006. Current BA is about 160 sq. ft. Trees need to put on diameter growth. Prescribe a marked thinning this YOE to restore post-harvest BA to 120 sq. ft. Treat red pine Stand 30 to the SE with this stand. Adjacent to Robinson Rd.																																							
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30	42110 - Planted Red Pine	Sawtimber Well	12.1	64	201+	N/A	Red pine plantation, fairly even mix of smaller sawtimber and poletimber. This stand and nearby stands were found to be negative for HRD in 12/20, but there are small areas of pocket mortality and thin tops. Stand was third-row thinned in 1993, marked thinning completed in 2006. Present BA is about 203 sq. ft. Trees need to put on diameter growth. Prescribe a marked thinning this YOE. Harvest with red pine Stand 29 and include both in same timber sale.																																							
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31	6112 - Lowland Aspen	Sapling Medium	19.4	2	Immature	N/A	Stand was prescribed in the 2013 YOE (52-122-13-01). Ground had been too wet previously for harvest to be completed and contract had been extended multiple times. Original contract holder sold contract to a different producer. Stand was partially harvested in February 2019, but was halted due to excessively wet soil and standing water. Harvest was completed in February 2021. Adjacent to Larks Lake Rd., across from old Camp Pellston work shop.																																							
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32	4130 - Aspen	Poletimber Medium	8.0	48	51-80	N/A	Small stand of slightly under-stocked quaking aspen poletimber, adjacent to Larks Lake Rd. Stand was left unharvested when adjacent Stand 31 was prescribed last YOE. Stand 31 is currently under contract and has been partially harvested at this date. Loss of vigor and some mortality is evident in this stand and will increase over time. Prescribe a final harvest this YOE for this stand to regenerate and maintain the aspen MO.																																							
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33	6220 - Alder/willow	Nonstocked	572.5		Unspecified	No	Pleasantview swamp. Tag alder, willow, red osier dogwood. and other lowland shrub species. Tributaries to the West Branch of the Maple River are present.																																							
34	6112 - Lowland Aspen	Poletimber Poor	24.3	71	1-50	N/A	Western edge of Pleasantview swamp. Old, declining, sparse quaking aspen overstory with dense tag alder, willow, red osier dogwood. and other lowland shrub species growing beneath. Too wet to harvest. Site condition 2G - Too wet.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
35	6123 - Lowland Fir	Poletimber Medium	23.7	70	51-80	N/A	Lesser stocked stand of mixed conifer poletimber, mostly balsam fir, in Pleasantview Swamp adjacent to Robinson Rd. Standing water. Too wet to harvest. Heavy tag alder in understory.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		15	Pole	6		Balsam Fir		
Balsam Fir		60	Pole/Sap/Log	9	70	Black Spruce		
Black Spruce		15	Pole	6		Tag Alder		
Northern White Cedar		10	Pole	6		Red Osier Dogwood		
36	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	75.1	70	1-50	N/A	Mix of lesser stocked owland hardwood and aspen poletimber/saps on very wet ground.. Mostly tag alder in understory.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		30	Pole/Sapling	6	70	Tag Alder		
Paper Birch		15	Pole/Sapling	6				
Quaking Aspen		15	Pole/Sapling	6				
Balsam Poplar		15	Pole/Sapling	6				
Balsam Fir		10	Pole/Sapling	6				
Black Ash		15	Pole/Sapling	6				
37	4130 - Aspen	Poletimber Well	8.3	45	51-80	N/A	Small stand of mixed aspen poletimber adjacent to Larks Lake Rd. Smaller diameters presently. BA is about 60 sq. ft. Final harvest this stand in 20 years with Stand 39 adjacent to the SE.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		30	Pole	6	45	Sugar Maple		
Bigtooth Aspen		70	Pole	6	45	Beech		
						Balsam Fir		
						Red Maple		
						Ironwood		
38	42110 - Planted Red Pine	Poletimber Well	20.6	65	111-140	N/A	Red pine plantation, in transition from poletimber to sawtimber, adjacent to Larks Lake Rd. Stand found negative for HRD in 12/2020. Row-thinned in 1993 with a marked thinning completed in 2019. Present post-harvest BA is 122 sq. ft. Possible marked thinning again next YOE or in 20 years.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		100	Pole/Log	10	65	Sugar Maple		
						Beech		
39	4130 - Aspen	Sapling Well	19.1	28	Immature	N/A	Mixed aspen regen in transition from sapling to small poletimber, with a small island of red pine poletimber in the center of stand. Final harvest in 20 years to maintain aspen covertime MO. Harvest Stand 37 adjacent to the NW when this stand is prescribed to increase amount of acreage harvested.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		35	Sapling/Pole	4	28	Sugar Maple		
Bigtooth Aspen		60	Sapling/Pole	4	28	Beech		
Red Pine		5	Pole/Log	9	65			



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40	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	18.3	65	111-140	N/A	Stand consists of a mix of variably dense planted red pine sawtimber/poletimber, with areas nonstocked throughout the stand. These areas contain dense aspen/hardwood regen from a 1993 harvest. The most densely stocked areas of red pine have about 155 sq. ft. of BA. The stand BA is lower when the areas of sugar maple saplings are included. Desirable advanced sugar maple regen in understory throughout entire stand. This mix of timber may be due to red pine seedling mortality at time of planting. Stand is adjacent to Larks Lake Rd. HRD was not detected in this stand but it was found in a red pine stand about a mile to the west in 12/2020.																																																			
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41	4130 - Aspen	Poletimber Well	35.2	45	51-80	N/A	Aspen poletimber with a mixed hardwood understory from 1976 final harvest. Final harvest this stand in 10 - 20 years to maintain aspen MO.																																																			
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42	6124 - Lowland Spruce-Fir	Poletimber Well	114.3	87	81-110	N/A	Mixed swamp conifer stand along west edge of Pleasantview Swamp. Site condition applied to stand. Too wet to harvest.																																																			
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43	6112 - Lowland Aspen	Sapling Poor	56.3	1	Immature	N/A	Stand was prescribed in the 2013 YOE (52-122-13-01). Ground had been too wet previously for harvest to be completed. Contract was extended multiple times and sold to a different producer. Harvest was completed in March 2021. Low, wet ground is found on all sides of the boundary, with slightly higher, dryer ground located in the center. A retention island exists in the center of the stand.																																																			
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44	4130 - Aspen	Sapling Well	6.5	16	Immature	N/A	Fully stocked stand of mixed aspen regen from December 2004 final harvest. Adjacent to Larks Lake Rd. Final harvest in 30 - 40 years to continue aspen MO.																																																			
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45	4130 - Aspen	Poletimber Well	28.1	45	51-80	N/A	Aspen poletimber stand from 1976 final harvest. Lies between Larks Lake Rd. and Pleasantview Swamp. BA is about 70 sq. ft. Maintain aspen MO. Possible final harvest in 10 - 20 years. NCP runs through stand.																																																				
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46	500 - Water	Nonstocked	3.2		Unspecified	No	Tributary to the West Branch of the Maple River.																																																				
47	4110 - Sugar Maple Association	Poletimber Well	427.2	92	81-110	N/A	Large stand of lower stocked northern hardwood, mostly poletimber with a few small areas of larger diameters. Average BA is about 89 sq. ft. presently. Many high, steep hills present. Designated snowmobile trail and North Country Pathway run through stand.																																																				
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48	42110 - Planted Red Pine	Poletimber Well	24.9	65	111-140	N/A	Red pine plantation consisting of smaller sawtimber, and poletimber in transition to sawtimber. Examined for HRD but found negative in 12/2020. Adjacent to Larks Lake Rd. Dense hardwood understory. Thinned in 1995 and 2019. Present post-harvest BA is 120 sq. ft. Possible crown thinning again next YOE.																																																				
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49	4117 - Mixed N. Hardwood - Pine	Sapling Poor	8.6	26	Immature	N/A	Scattered hardwood/aspen, red pine saps encroaching into an old grass opening. Snowmobile trail runs through stand.																																																				
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50	42110 - Planted Red Pine	Sawtimber Well	31.9	65	171-200	N/A	Red pine plantation, a fairly even mix of sawlogs and poletimber. A marked thinning was completed in 2007. Current BA averages about 180 sq. ft. Stand tested negative for HRD, but stand 1/4 mile to the NW was positive in 12/2020. Prescribe a marked thinning this YOE that results in a post-harvest red pine BA of 120 sq. ft. North Country Pathway runs through stand. Snowmobile trail runs along the north and east sides of plantation.																																																				
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51	4111 - S.Maple, Hard Mast Association	Sapling Poor	3.6	31	Immature	N/A	Mixed hardwood, aspen and red pine saps that have encroached into an old grass opening. Snowmobile trail runs through stand.																																																											
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52	4139 - Aspen, Mixed Deciduous	Poletimber Well	48.8	45	81-110	N/A	Mixed aspen/northern hardwood poletimber with lesser amounts of hardwood sawlogs. Aspen component is about 44 years old from 1976 final harvest. Mixed hardwood is of lesser quality, with a fair amount of dead and dying beech, and mostly poletimber. Expand aspen component in this stand by prescribing a final harvest next YOE.																																																											
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54	4130 - Aspen	Sawtimber Well	29.9	60	51-80	N/A	Mixed, slightly lower-stocked stand of big-toothed aspen, mostly sawtimber, and northern hardwood poletimber/sawlogs, located on a high, steep, west-facing slope, making it very difficult for equipment to operate during harvest. Adjacent to private ownership to the west. A site condition is applied to the stand making it unavailable for harvest.																																																											
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56	4130 - Aspen	Sapling Well	9.6	27	Immature	N/A	Dense mixed aspen regen, in transition from saps to poletimber, on steep south-facing slope, from 1994 final harvest. Maintain aspen MO. Possible final harvest in twenty years.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
57	4110 - Sugar Maple Association	Sawtimber Well	130.5	85	81-110	N/A	Nice quality northern hardwood stand, with a nice mix of pulpwood and sawlogs, on very hilly terrain. Most of the ash and beech is dead or dying. Stand received a selection harvest that was completed in 2002. Average BA is about 100 sq. ft. at this time. Possible selection harvest next YOE. Designated snowmobile trail runs through stand.																																																			
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58	42110 - Planted Red Pine	Sawtimber Well	15.0	64	171-200	N/A	Red pine plantation consisting of a mix sawtimber/poletimbert. Stand was last thinned in 2006. BA averages about 190 sq. ft. at present. Stand was examined for HRD but was negative in 12/2020. Stand 61 adjacent to the east was positive for HRD. Prescribe a marked thinning to restore the BA to an average of 120 sq. ft. and increase diameter growth on crop trees. Snowmobile trail runs through stand.																																																			
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59	4110 - Sugar Maple Association	Poletimber Well	69.8	95	81-110	N/A	Mixed northern hardwood, mostly sugar maple poletimber, with lesser amounts of basswood and a few scattered BTA clones. Scattered beech, black cherry, and yellow birch also present on many rolling hills. Average BA is about 100 sq. ft. presently. A selection harvest may be prescribed in 10 - 20 years. Snowmobile trail runs through the north part of the stand. Adjacent to private property.																																																			
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60	3301 - Low Density Deciduous Trees	Nonstocked	2.2		Unspecified	No	Grass opening with scattered hardwood encroaching.																																																			
61	42110 - Planted Red Pine	Sawtimber Well	24.7	64	171-200	N/A	Red pine plantation consisting of a mix sawtimber/poletimbert. Stand was last thinned in 2006. BA averages about 183 sq. ft. at present. Stand was found positive for HRD 12/2020. Prescribe a marked thinning to restore the BA to an average of 120 sq. ft. and to increase the diameter growth of crop trees. Snowmobile trail runs through stand.																																																			
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62	4130 - Aspen	Sapling Well	48.5	28	Immature	N/A	Mixed aspen regen, in transition from saps to poletimber, from 1993 final harvest. Final harvest again in 20-30 years to maintain aspen MO. Snowmobile trail runs through stand. Adjacent to Larks Lake Rd.																																																			
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63	4130 - Aspen	Poletimber Well	25.7	45	51-80	N/A	Mixed aspen poletimber, with a mixed northern hardwood understory, from 1976 final harvest. Current BA is about 70 sq. ft. Final harvest next YOE to maintain aspen MO for the stand. Adjacent to Larks Lake Rd.																																																			
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65	4130 - Aspen	Poletimber Well	44.0	37	51-80	N/A	Young aspen poletimber stand from 1984 final harvest. Scattered balsam fir and hardwood poletimber/saps also present. Possible final harvest in about 20 years to maintain aspen MO. Adjacent to Larks Lake Rd. NCP runs through stand.																																																							
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66	4130 - Aspen	Sapling Well	11.7	16	Immature	N/A	Fairly dense aspen regen from December 2004 final harvest, adjacent to Larks Lake Rd. Final harvest in about 40 years to maintain aspen MO.																																																							
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67	4130 - Aspen	Sawtimber Well	2.0	90	81-110	N/A	The stand consists of a small pie-shaped wedge that acts as a buffer to numerous private residences from Larks Lake Rd. Western portion of this stand was harvested in December 2004. This portion of the stand was left at the time of 2004 harvest.																																																							
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68	6130 - Fir, Aspen, Maple	Poletimber Well	100.7	90	51-80	N/A	Mixed Q-type stand on poorly drained soil.																																																							
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69	6220 - Alder/willow	Nonstocked	69.0		Unspecified	No	Pleasantview Swamp.																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	76.9	70	51-80	N/A	Mixed lowland deciduous swamp, mostly red maple.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		50	Pole/Sap/Log	9	70	Red Maple	
Paper Birch		20	Pole	8		Paper Birch	
Quaking Aspen		20	Log/Pole	10		Balsam Fir	
Balsam Fir		5	Pole/Sapling	6		Black Ash	
Black Ash		5	Pole/Sapling	8		Tag Alder	
						Red Osier Dogwood	
						Density	Avg. Height
							Size
						Low	5 - 10 feet
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						Medium	5 - 10 feet
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							Sapling
							Sapling
							Sapling
							Sapling
							Tall Shrub
							Tall Shrub
71	4134 - Aspen, Spruce/Fir	Poletimber Well	24.1	38	51-80	N/A	Nicely stocked mixed stand of quaking aspen and balsam fir poletimber from 1983 final harvest. Final harvest in 10 - 20 years to maintain aspen MO.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		80	Pole/Sapling	6	38	Sugar Maple	
Balsam Fir		20	Pole/Sapling	5		Balsam Fir	
						Black Cherry	
						Density	Avg. Height
						Medium	10 - 20 feet
						Low	5 - 10 feet
						Low	10 - 20 feet
							Sapling
							Sapling
							Sapling
72	4130 - Aspen	Sapling Well	55.1	4	Immature	N/A	High quality mixed aspen/hardwood regen from 2016-2017 final harvest. Initial regen looks very good. Adjacent to Larks Lake Rd. and private residences. North Country Pathway runs through this stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		3	Sapling	1	4		
Paper Birch		2	Sapling	1	4		
Quaking Aspen		37	Sapling	1	4		
Bigtooth Aspen		50	Sapling	1	4		
Black Cherry		5	Pole	8	63		
Ironwood		3	Sapling/Pole	4	43		
73	6220 - Alder/willow	Nonstocked	1.4		Unspecified	No	Tag alder and marsh grass with a few scattered swamp hardwood species
74	6220 - Alder/willow	Nonstocked	1.4		Unspecified	No	Tag alder with a few scattered swamp hardwood species
75	6130 - Fir, Aspen, Maple	Poletimber Well	5.2	90	51-80	N/A	Mixed Q-type stand on poorly drained soil.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		25	Pole/Sapling	5		Red Maple	
Paper Birch		10	Pole/Sapling	5		Balsam Fir	
Quaking Aspen		10	Log/Pole	12		Black Ash	
Balsam Fir		45	Pole/Sap/Log	6	90	Tag Alder	
Black Spruce		5	Pole	5		Red Osier Dogwood	
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						Low	< 5 feet
							Sapling
							Sapling
							Sapling
							Tall Shrub
							Tall Shrub
76	122 - Road/Parking Lot	Nonstocked	2.5		Unspecified	No	Larks Lake Rd.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
77	4130 - Aspen	Poletimber Well	53.1	51	81-110	N/A	Well-stocked quaking aspen poletimber stand from 1970 final harvest, located on upland ground with scattered areas of slightly lower ground also present. Scattered balsam fir and black cherry poletimber found throughout stand. BA averages about 90 sq. ft. at present. Prescribe a final harvest this YOY to maintain aspen MO. North Country Pathway runs through the stand. Adjacent to Larks Lake RD. and private residence. West boundary line along private property will need to be surveyed.																																													
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78	42110 - Planted Red Pine	Sawtimber Well	17.1	64	81-110	N/A	Red pine sawlogs/poletimber that was row thinned in 1993 and received a marked thinning in 2014. Scattered aspen/hardwood poletimber scattered throughout stand. Stand was found negative for HRD in 12/2020. Current red pine BA averages about 130. Possible marked thinning will be prescribed next YOY or the stand could possibly be clear cut in 10 or 20 years with a aspen/mixed hardwood MO. North Country Pathway runs through stand. Adjacent to Larks lake Rd,																																													
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79	6112 - Lowland Aspen	Poletimber Well	13.3	51	81-110	N/A	Well-stocked quaking aspen poletimber stand from 1970 final harvest, located on a mix of upland/lowland ground. Scattered balsam fir poletimber found throughout stand. BA averages about 90 sq. ft. at present. Prescribe a final harvest, with Stand 81, next YOY to maintain aspen MO, but to also create another aspen age class within this part of the compartment. North Country Pathway runs through the stand. Adjacent to Larks Lake and Stutzmanville Rds..																																													
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80	6220 - Alder/willow	Nonstocked	3.6		Unspecified	No	Tag alder bog adjacent to Stutzmanville Rd.																																													
81	6112 - Lowland Aspen	Poletimber Well	36.5	51	81-110	N/A	Quaking aspen poletimber stand from 1970 final harvest. Balsam fir poletimber found throughout stand. Areas of very wet, poorly drained soil. Average BA is about 90 sq. ft. Aspen stand adjacent to the NW (Stand 77) is prescribed for harvest. Delay final harvest in this stand until next YOY to create another age class of aspen, along with Stand 79. Adjacent to Stutzmanville Rd.																																													
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82	42110 - Planted Red Pine	Sawtimber Well	15.9	64	111-140	N/A	Red pine plantation, just reaching sawtimber size-class trees. Stand was found negative for HRD in 12/2020. Row thinned in 1993. Most recent thinning occurred in 2014. Present BA averages about 130 sq. ft. Adjacent to Stutzmanville Rd. Possible thinning prescribed next YOY.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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131 6112 - Lowland Aspen Poletimber Poor 10.2 71 1-50 N/A

This stand was part of Stand 31 and was prescribed and prepped for harvest in 2013, but the ground was too wet to harvest. Old, declining, sparse quaking aspen overstory with dense tag alder, willow, red osier dogwood, and other lowland shrub species growing beneath. Site condition 2G - Too wet.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	100	Pole/Log	8	71	Tag Alder	Full	5 - 10 feet	Tall Shrub
					Red Osier Dogwood	Full	5 - 10 feet	Tall Shrub
					Viburnum	Medium	5 - 10 feet	Tall Shrub
					Willow spp.	High	< 5 feet	Sapling
					Red Maple	Low	Variable	Sapling
					Paper Birch	Low	Variable	Sapling
					Balsam Fir	Trace	Variable	Sapling