



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52133

Entry Year 2025

Acreage: 1,554

County Emmet

Management Area: Huron Sandy Lake Plain

Stand Examiner: Donald Stacks

Legal Description:

T38N R04W Sections 22, 25, 26, 35, 36.

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:

Mostly Tawas and Carbondale mucks, and East Lake sandy loams on flat topography.

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

Various residential homes and small, family farms are found around the compartment boundary.

Unique Natural Features:

Bald eagle, northern amber bumble bee, creek heelsplitter, and a patterned fen community have been observed within compartment boundary.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

None listed.

Watershed and Fisheries Considerations:

Part of this compartment is in CLMMU, southwest of Paradise Lake. The portion within NLHMU is in the East Branch Maple River watershed, and is part of a large wetland complex contiguous with Douglas Lake. Prescribed management actions are appropriate for protection of this water body. Sherrett Lake and Lost Lake are both located within this compartment. Both of these lakes are small lakes that would be significantly impacted through the loss of riparian vegetation, so the appropriate BMP's should be followed.

Wildlife Habitat Considerations:

This compartment contains mostly lowland habitat associated with the Levering swamp and associated wetlands of creeks draining into Lake Paradise. These lowland complex's support black bear, white-tailed deer, various furbearers and amphibians. One small area of lowland deciduous are going to be treated to provide some early successional habitat that benefits American woodcock, grouse and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Multiple active sand/gravel mining operations exist in the immediate vicinity. The compartment, however, is predominantly low and wet, and potential for sand & gravel development within the compartment appears low. No known potential exists for oil & gas production from known producing formations in the area, and there is no known potential for metallic minerals in this part of the state.

Vehicle Access:

Access to the north block of the compartment can be obtained from US-31 and several county roads. The larger southern portion of the compartment is surrounded by private property, except on the south side, where there is access from Levering Rd. through state-owned land in the adjacent compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

One mile of the Northwestern State Snowmobile Trail runs through section 22. Hunting and fishing opportunities are available.

Fire Protection:

The Indian River Field Office is located about 28 miles to the SE. The Carp Lake VFD is located about 1 mile to the north.

Additional Compartment Information:

The southern block of Compartment 133 is locally known as the Levering Swamp, a very dense conifer swamp. The northern portion of the compartment is also mostly made up of poorly drained soils.

The following reports from the Inventory are attached:

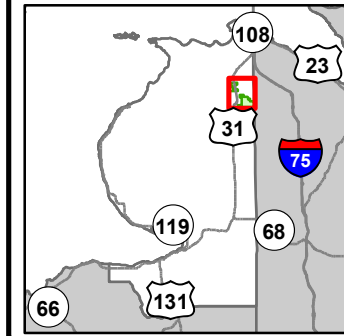
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

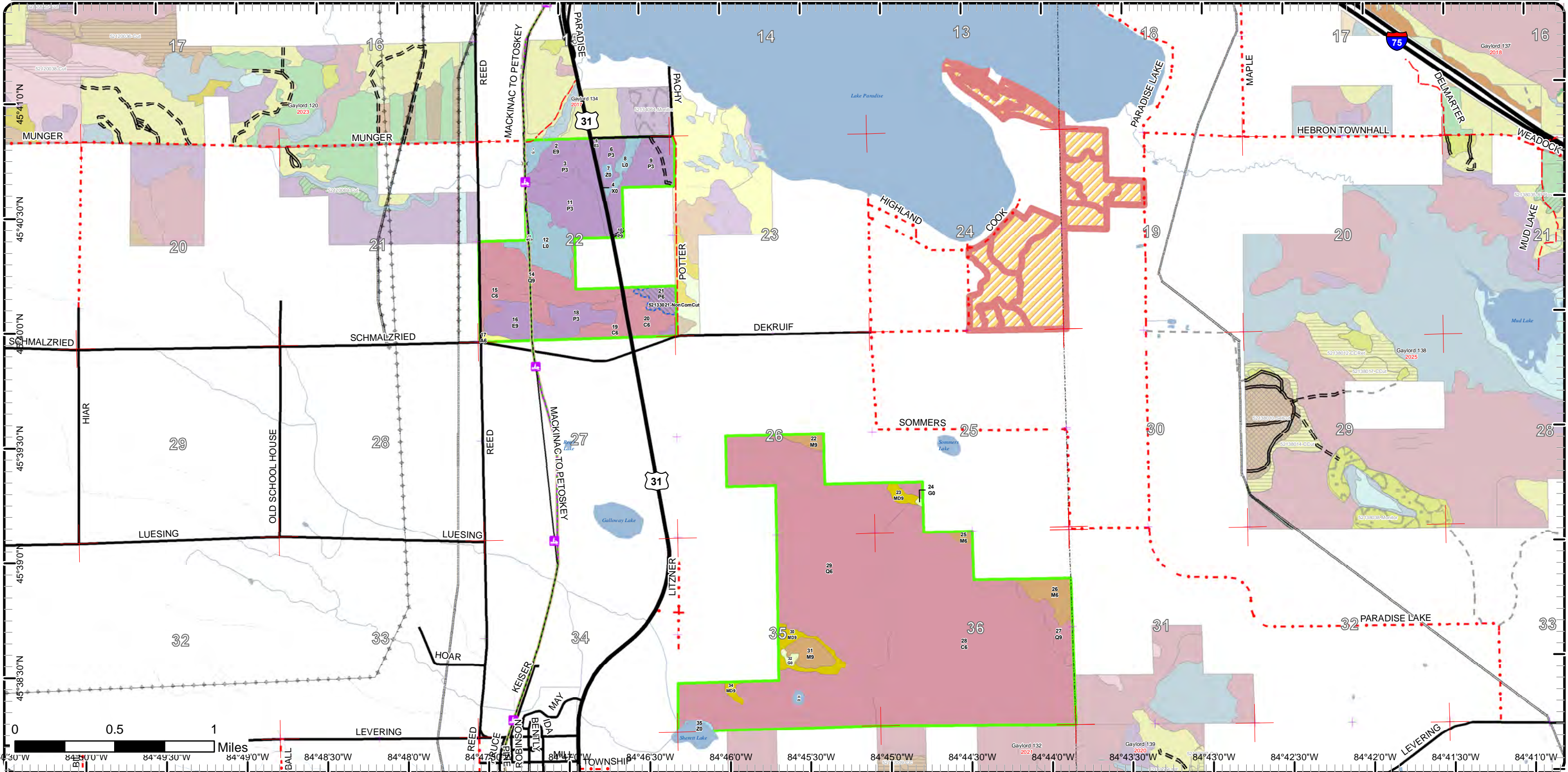
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 133
 T38N, R04W, Sec. 22, 25-26, 35-36
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Huron Sandy Lake Plain
 YOE: 2025
 Acres: 1553.6 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 11/29/2023
 Map Phase: Post-Review

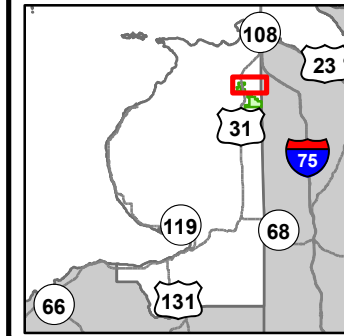


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
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- Bridges
- City
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Harvest - See Comments
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

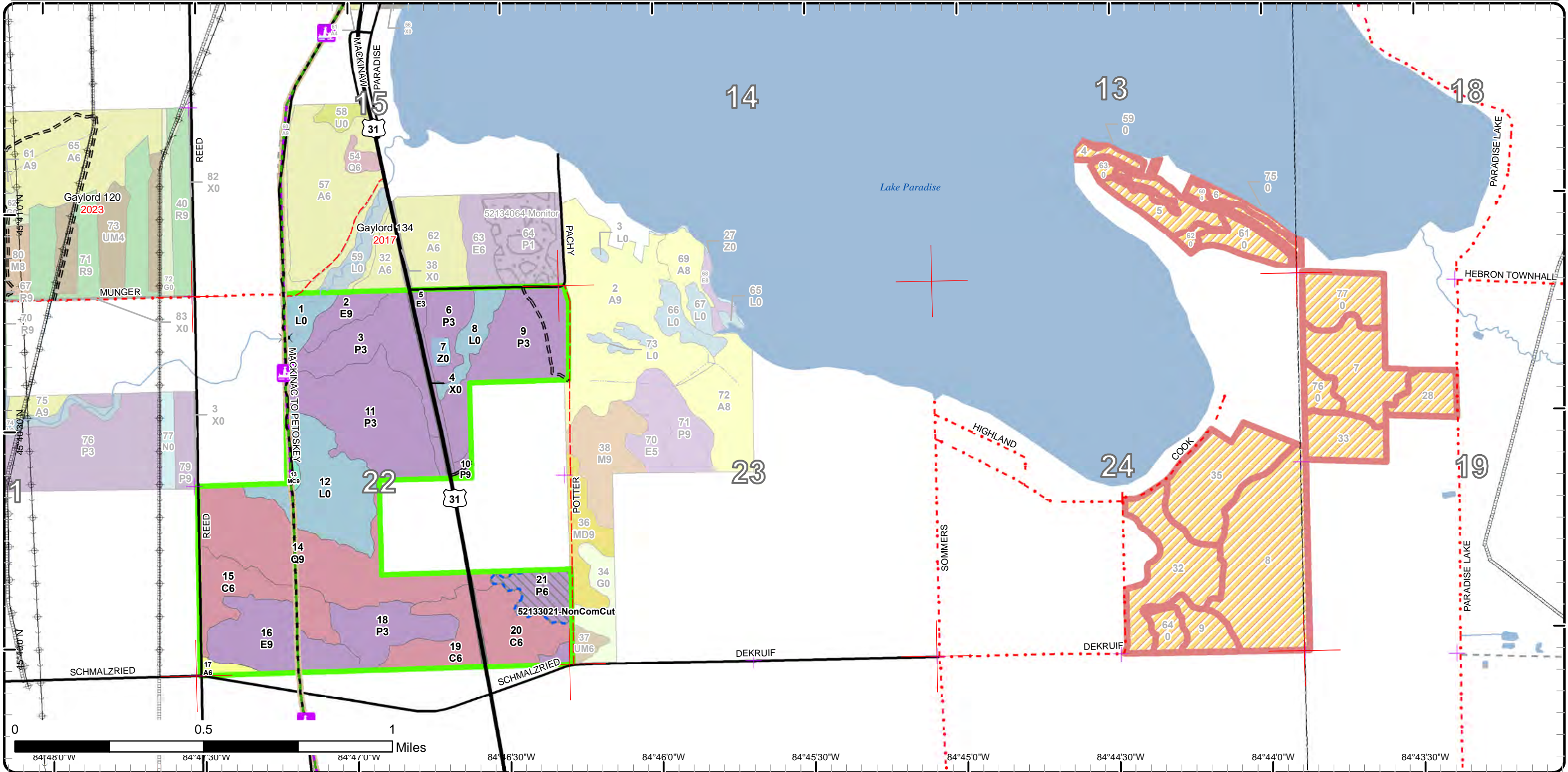


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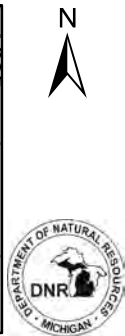
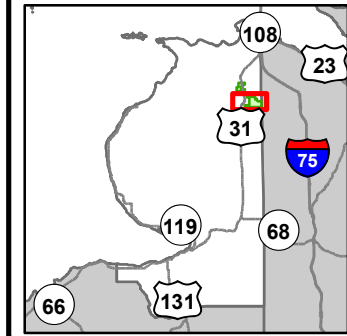


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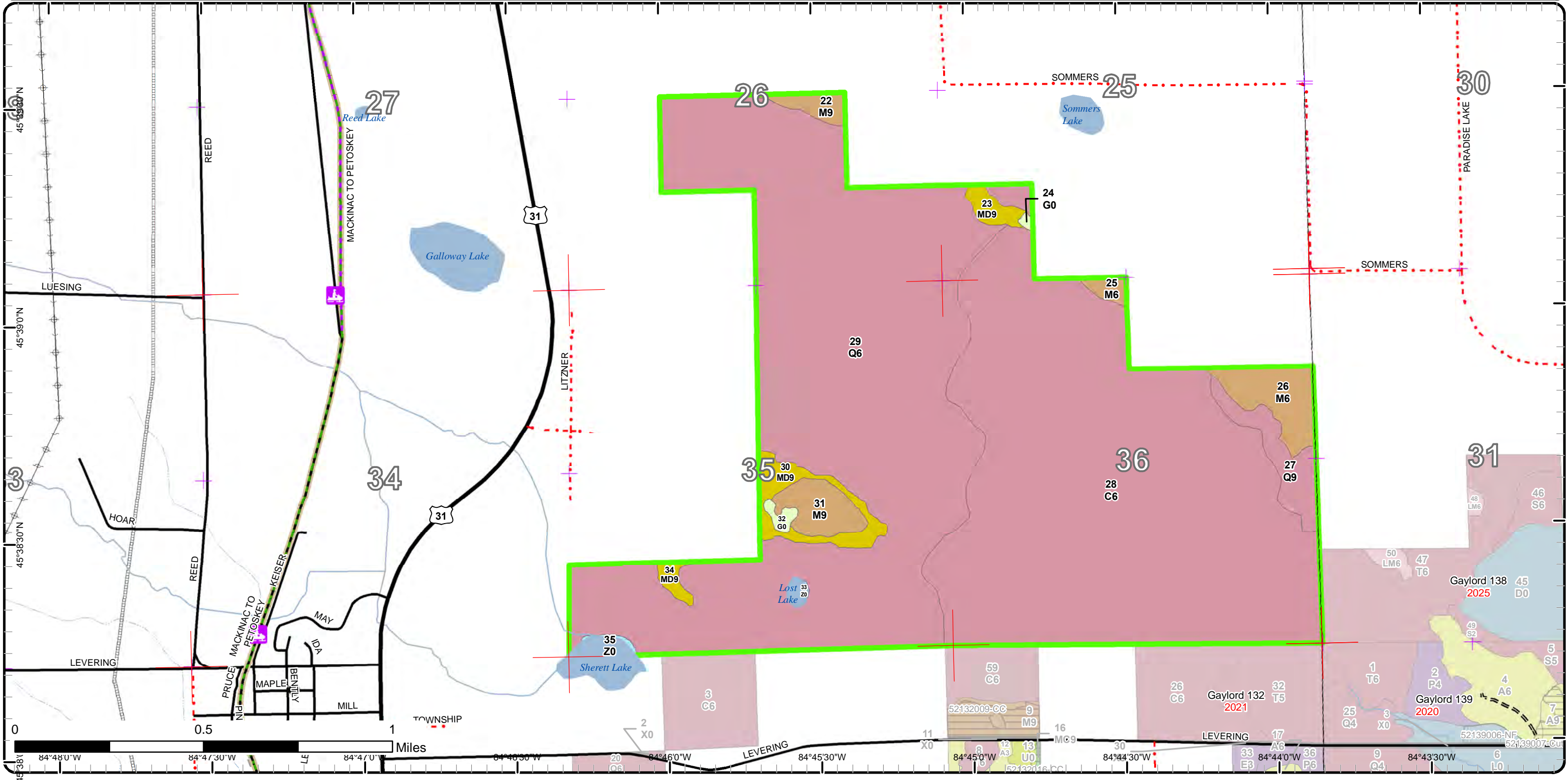


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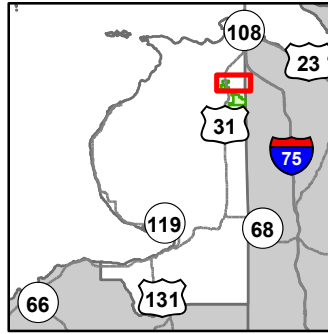


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Stand Boundary Map

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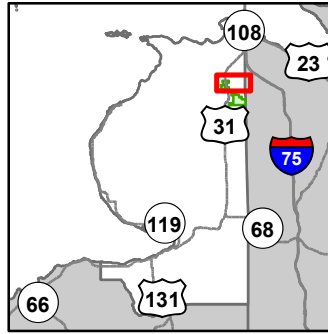


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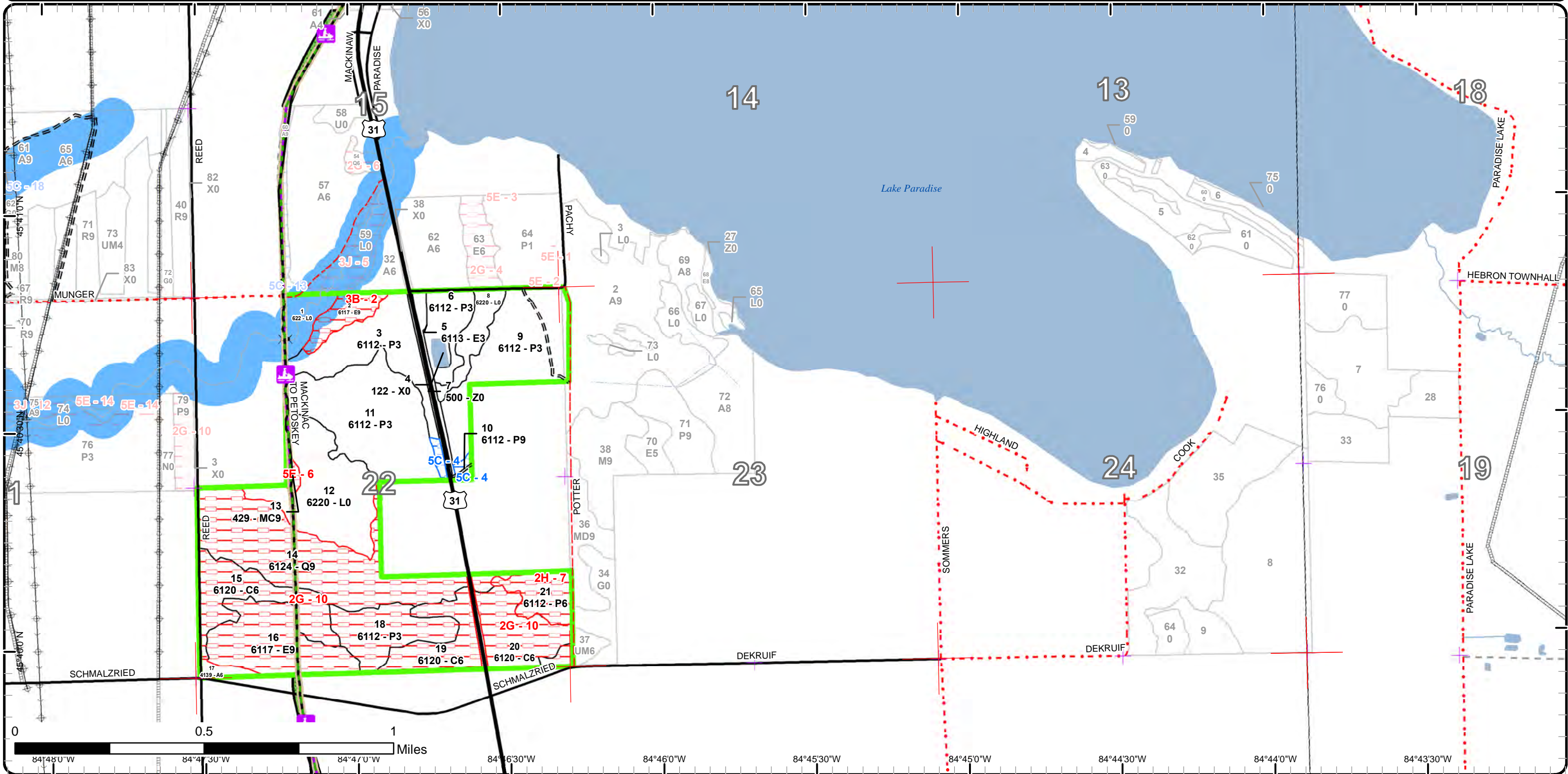


Special Conservation Areas

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 T38N, R04W, Sec. 4-6, 8, 9, 16-18, 20, 21
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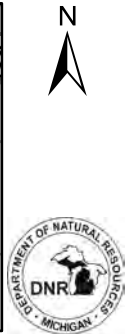
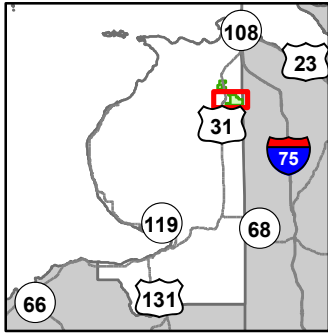


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- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Trail - Trail Corridor

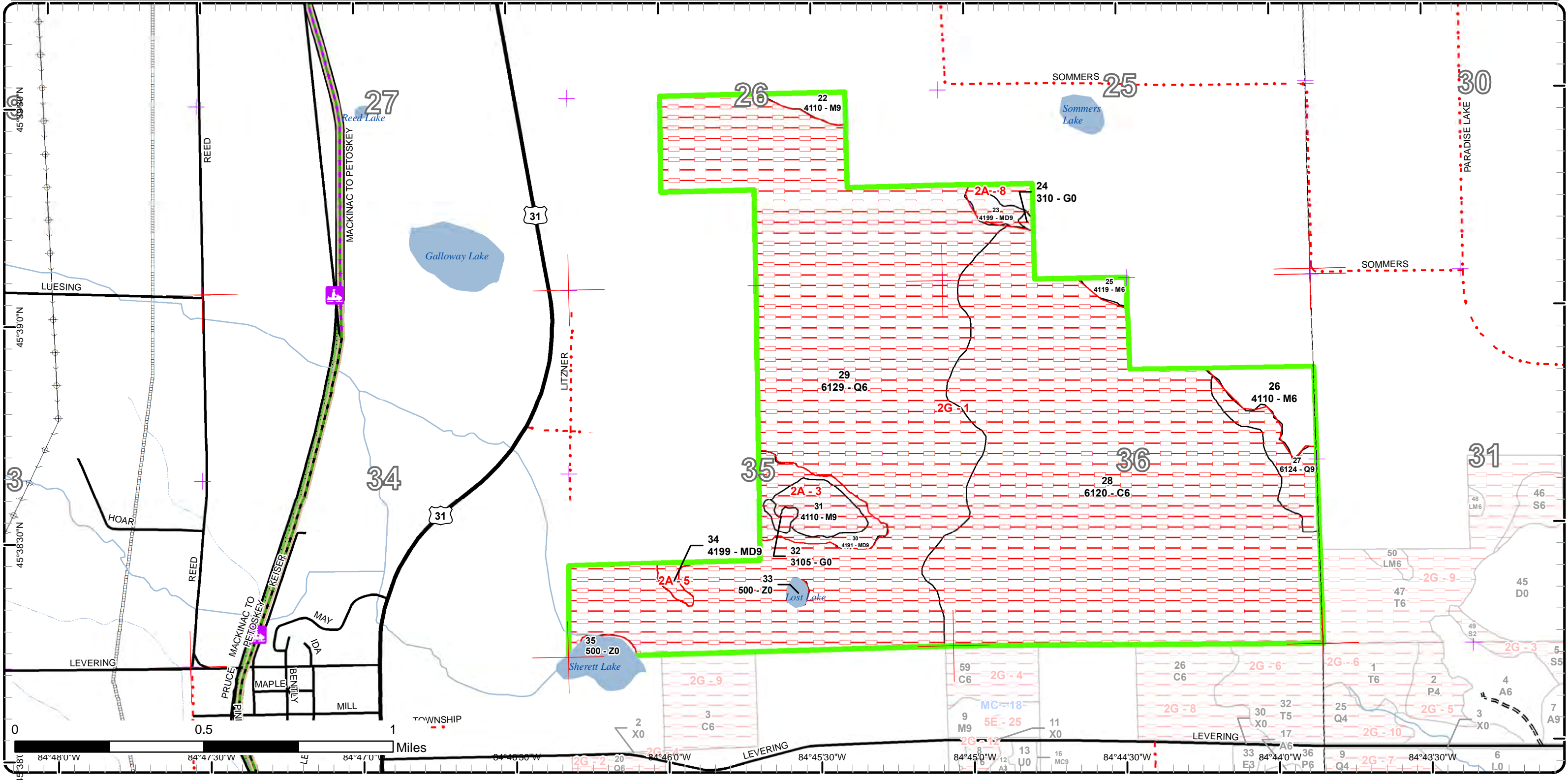


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- Compartment Boundary
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- SCA
- Trail - Trail Corridor



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+	Unseen-Aged	Total
Aspen	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	481	0	67	0	0	0	548
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Aspen/Balsam Poplar	0	0	0	57	76	30	0	0	18	0	0	0	0	0	0	0	0	0	180
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	88	0	528	0	0	0	0	0	616
Lowland Deciduous	0	0	0	0	0	4	0	0	0	33	9	0	0	0	0	0	0	0	46
Lowland Shrub	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Mixed Upland Deciduous	0	0	0	0	0	0	0	10	0	17	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	0	0	0	28	16	0	8	0	0	0	0	0	52
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	81	0	0	57	76	34	3	10	18	78	113	2	1017	0	67	0	0	0	1554



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 133

Total Compartment Acres: 1,554

Commercial Harvest -
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 13

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshory Removal	Salvage	Other	Total Acres
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	13		13
Total	0	0	0	0	0	0	0	13		13

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	13	0	0	0	0	0	0	0	0	13
Next Step	0	0	0	0	0	0	13	0	0	13
Total	13	0	0	0	0	0	13	0	0	25



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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:

21	52133021- NonComCut	12.7	6112 - Lowland Aspen	Poletimber Well	75	81-110	Harvest	Other - Specify	612 - Lowland Coniferous Forest	Even-Aged	Yes
<p><u>Prescription</u> Non-commercial habitat improvement harvest. Most likely hand felling due to wet soil conditions and poor access.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of lowland forest species.</p> <p><u>Regen:</u></p> <p><u>Other</u> WD sponsored.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Blocked by Obstacle</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

**Total Treatment
Acreage Proposed: 12.7**

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 133
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5C	2A	2G	2H	3B	5E	
3	3	0	0	Aspen							
548	0	0	548	Cedar		0	548				
3	0	0	3	Herbaceous Openland		3	0				
177	137	3	37	Lowland Aspen/Balsam Poplar	3		25	12			
616	1	0	615	Lowland Conifers		5	611				
46	4	0	42	Lowland Deciduous			33		9		
61	61	0	0	Lowland Shrub							
27	0	0	27	Mixed Upland Deciduous		27	0				
52	35	0	17	Northern Hardwood		16	0				
2	0	0	2	Upland Conifers							2
7	7	0	0	Urban							
9	8	0	0	Water			0				
1,551	256	3	1,291	Total Forested Acres	3	51	1,217	12	9		2
	17%	0%	83%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1,025	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3B: Threatened, endangered, and special concern species	9	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 133
Year of Entry: 2025

3	Unavailable	2A: Adjacent landowner denied access	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2A: Adjacent landowner denied access	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Needs significant access road improvement.							
8	Unavailable	2A: Adjacent landowner denied access	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 133
Year of Entry: 2025

10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	192	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 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	622 - Lowland Shrub	Nonstocked	9.2		Unspecified	No	Tag alder, red osier dogwood, and other lowland shrubs and marsh grass. Floodplain to the Carp River.																																											
2	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	9.2	93	51-80	N/A	Stand consists of mostly mature and overmature mixed aspen with lesser amounts of red maple, balsam fir, and paper birch poletimber/sawtimber. Stand is adjacent to floodplain of the Carp River to the north. BMP site condition applied. Let stand convert to red maple and balsam fir over time to help reduce beaver activity on the Carp River.																																											
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Log/Pole</td> <td>12</td> <td>93</td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log/Pole</td> <td>10</td> <td>93</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25	Log/Pole	12	93	Red Maple	40	Log/Pole	10	93	Bigtooth Aspen	10	Log/Pole	12		Balsam Fir	20	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	5 - 10 feet	Sapling	Tag Alder	Medium	5 - 10 feet	Tall Shrub	Balsam Fir	Medium	10 - 20 feet	Sapling	Red Maple	Medium	>20 feet	Sapling
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3	6112 - Lowland Aspen	Sapling Well	29.8	43	51-80	N/A	Stand consists of a mix of quaking aspen, balsam poplar, red maple, paper birch, and balsam fir saplings and small poletimber from 1980 final harvest, adjacent to US 31, on a wet site. Heavy tag alder component in understory. Poor growth rates. Possible final harvest again in 20 years, depending on condition of water table at that time. Harvest during mid-winter or late summer to reduce excessive soil disturbance.																																											
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4	122 - Road/Parking Lot	Nonstocked	6.7		Unspecified	No	U.S.- 31.																																											
5	6113 - Lowland Maple	Sapling Well	4.0	40	51-80	N/A	An uncut buffer between the ditch along U.S.-31 and the aspen final harvest to the east, on very wet ground. Mostly red maple saps and small poletimber. Mostly tag alder in the understory.																																											
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6	6112 - Lowland Aspen	Sapling Well	13.3	27	Immature	N/A	Mixed aspen regen in transition from saps to poletimber from 1996 final harvest, on wet soil. Also red maple and paper birch regen and scattered balsam fir poletimber and saps. Adjacent to US-31 and county road. Possible final harvest in 30 years.																																											
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7	500 - Water	Nonstocked	1.7		Unspecified	No	Borrow pit pond.																																											
8	6220 - Alder/willow	Nonstocked	10.2		Unspecified	No	Mostly tag alder with lesser amounts of willow, red osier dogwood, and balsam poplar.																																											



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9	6112 - Lowland Aspen	Sapling Well	43.2	27	Immature	N/A	Mixed aspen regen in transition from saps to poletimber from 1996 final harvest, on wet soil. Also red maple and paper birch regen and scattered balsam fir poletimber and saps. Adjacent to US-31 and county road. Possible final harvest in 30 years.																																																		
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10	6112 - Lowland Aspen	Sawtimber Well	3.2	73	81-110	N/A	Stand consists of mixed aspen, red maple, balsam fir, and paper birch poletimber/sawtimber. US - 31 splits this small stand, which serves primarily as a buffer to final harvests in 1989 and 1996. Include this stand for harvest with the adjacent young aspen stands in about 30 years.																																																		
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11	6112 - Lowland Aspen	Sapling Well	53.2	34	Immature	N/A	Mix of lowland deciduous species on a very wet site from 1989 final harvest. Much standing water present. Poor growth rates. Adjacent to US-31.																																																		
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12	6220 - Alder/willow	Nonstocked	42.1		Unspecified	No	Lowland shrubs including tag alder, willow, red osier dogwood, and marshgrass. Lowland deciduous species encroaching along eastern side of the stand. Adjacent to designated snowmobile trail.																																																		
13	429 - Mixed Upland Conifers	Sawtimber Well	1.7	100	1-50	N/A	Small stand of mostly white spruce poletimber/sawtimber on slightly higher ground, adjacent to the snowmobile trail and lowland brush stand. White pine, balsam fir, red maple, quaking aspen, and paper birch poletimber/sawtimber also present. Small acreage, low volume. Not commercially attractive for harvest. Leave as long-term retention for diversity purposes.																																																		
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14	6124 - Lowland Spruce-Fir	Sawtimber Well	67.5	90	81-110	N/A	Mix of swamp conifers/deciduous poletimber/sawtimber on wet site. Areas of windthrow present. Snowmobile trail runs through stand. Adjacent to county road. Too wet to harvest.																																															
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15	6120 - Lowland Cedar	Poletimber Well	26.3	130	111-140	N/A	Mixed lowland conifers with cedar being the dominant component, on very wet stand. Significant areas of cedar windthrow and standing dead. present BA is about 120 sq. ft. Adjacent to county road and snowmobile trail. Standing water throughout stand. Too wet to harvest.																																															
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16	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	33.0	85	51-80	N/A	Stand is a mix of red maple, paper birch, balsam fir, and quaking aspen poletimber/sawtimber on a very wet site. Most of the aspen has fallen out of the stand already with scattered overmature sawtimber still standing, and a few scattered clones of smaller diameter poletimber. Scattered cedar is also present in various sizes. Present BA is about 75 sq. ft. Windthrow present within the stand. Stand is adjacent to county road and snowmobile trail. Stand is too wet to harvest. Standing water is present throughout the stand.																																															
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17	4139 - Aspen, Mixed Deciduous	Poletimber Well	3.0	50	81-110	N/A	Stand is a small acreage mix of big-toothed aspen, red maple, balsam fir, and quaking aspen poletimber/sawtimber on higher ground along the south edge of the E9 stand. Stand acreage is too small to treat on it's own. Stand could possibly be added to another treatment in the future. Adjacent to two county roads and residence.																																															
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18	6112 - Lowland Aspen	Sapling Well	22.4	33	Immature	N/A	Stand is a mix of quaking aspen, red maple, paper birch, balsam fir, and cedar saplings and small poletimber on a wet site. Stand is believed to have originated as a small habitat cut, but no cutting records exist at this time. Possible final harvest again in 30 years.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
19	6120 - Lowland Cedar	Poletimber Well	18.5	130	81-110	N/A	Stand consists of mostly cedar poletimber/sawtimber with lesser amounts of scattered balsam fir and red maple poletimber. Most of the quaking aspen and paper birch has died, but there are still scattered live trees standing. Standing water present. Cedar windthrow exists throughout the stand. Where this has occurred, other species such as quaking aspen, red maple, balsam poplar, paper birch, and black spruce ash saplings are emerging in the canopy openings. US 31 runs adjacent to this stand. Too wet to harvest. Stand will continue to lose cedar and convert to a Q type.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Fir		10	Pole	8		Quaking Aspen		
Northern White Cedar		70	Pole/Log	9	130	Balsam Fir		
Balsam Poplar		2	Pole/Sapling	6		Black Spruce		
Quaking Aspen		5	Log/Pole	12		Tag Alder		
Paper Birch		3	Pole/Sapling	6		Paper Birch		
Red Maple		10	Pole/Log	9		Northern White Cedar		
						Red Maple		
						Red Osier Dogwood		
						Black Ash		
20	6120 - Lowland Cedar	Poletimber Well	22.1	130	51-80	N/A	Stand consists of mostly cedar poletimber/sawtimber with lesser amounts of scattered balsam fir and red maple poletimber. Most of the quaking aspen and paper birch has died, but there are still scattered live trees standing. Standing water present. Cedar windthrow exists throughout the stand. Where this has occurred, other species such as quaking aspen, red maple, balsam poplar, paper birch, and black spruce ash saplings are emerging in the canopy openings. US 31 runs adjacent to this stand. Too wet to harvest. Stand will continue to lose cedar and convert to a Q type.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		5	Log/Pole	12		Northern White Cedar		
Balsam Fir		10	Pole	8		Balsam Fir		
Balsam Poplar		2	Pole/Sapling	6		Black Spruce		
Northern White Cedar		70	Pole/Log	9	130	Paper Birch		
Paper Birch		3	Pole/Sapling	6		Quaking Aspen		
Red Maple		10	Pole/Log	9		Tag Alder		
						Black Ash		
						Red Maple		
						Red Osier Dogwood		
21	6112 - Lowland Aspen	Poletimber Well	14.9	75	81-110	N/A	The north portion of Stand 21 was prescribed for harvest during the 2015 YOE (Old Fence Aspen, 52-124-15). The original 3 year contract was extended three times and expired 03/31/2023. The sale was then terminated. Stand consists of mature and overmature mixed aspen sawlogs and balsam fir poletimber with lesser amounts of red maple, cedar, and paper birch. Wet stand on poorly drained soil, slightly higher ground along the east third of the stand, lower ground along the western edge where standing water can be found. Areas of windthrow present. Harvest would have to take place during winter or dry summer months. Seasonal county access road needs major improvement. Stand converting to balsam fir without treatment. Prescribed for non-commercial harvest in 2025 YOE to improve quality of wildlife habitat.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		25	Log/Pole	12	75	Red Maple		
Bigtooth Aspen		15	Log/Pole	12		Balsam Fir		
Balsam Fir		20	Pole	8		Black Ash		
Northern White Cedar		10	Pole/Log	10		Tag Alder		
Black Ash		3	Pole/Sapling	4				
Red Maple		25	Pole/Log	10				
Balsam Poplar		2	Pole/Log	10				
22	4110 - Sugar Maple Association	Sawtimber Well	7.5	110	81-110	N/A	Small acreage stand consisting of mixed northern hardwood, mostly sugar maple boltwood and small sawtimber. Slightly lower stocking densities at present time. BA is about 100 sq. ft. presently. Scattered aspen also present. Will require permission from adjacent landowner to access this stand. Possible thinning in 10 - 20 years.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		5	Log/Pole	12		Beech		
Paper Birch		5	Log/Pole	12		Balsam Fir		
Sugar Maple		65	Log/Pole	12	110	Sugar Maple		
Basswood		25	Log/Pole	12				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
23	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.2	68	111-140	N/A	Stand is located along a slightly higher ridge than the adjacent swamp that runs onto private property to the north and east. Small acreage mix of mostly red maple boltwood, with lesser amounts of paper birch, sugar maple, basswood, and balsam fir poletimber/sawtimber. Scattered cedar poletimber also present. Heavy advanced balsam fir regen in understory. Small acreage. Present BA is about 120 sq. ft., however landowner denies access to stand. Factor limited.																																											
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24	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No																																												
25	4119 - Mixed Northern Hardwoods	Poletimber Well	4.0	80	81-110	N/A	Small stand of mostly sugar maple poletimber. Scattered paper birch and overmature BTA sawtimber also present. Present BA is about 110 sq. ft. Factor limited. Landowner denies access. Adjacent to conifer swamp.																																											
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26	4110 - Sugar Maple Association	Poletimber Well	23.7	80	81-110	N/A	Stand consists of mostly sugar maple poletimber with scattered paper birch and basswood, poletimber/sawtimber. Also sparse quaking aspen sawtimber. Stand is slightly lower stocked with a present BA of about 90 sq. ft., with mostly smaller diameters. Landowner permission needed to access this stand. Possible thinning in 20 years.																																											
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27	6124 - Lowland Spruce-Fir	Sawtimber Well	20.6	90	81-110	N/A	Mix of swamp conifers/deciduous poletimber/sawtimber on wet site. Areas of windthrow present. Snowmobile trail runs through stand. Adjacent to county road. Too wet to harvest.																																											
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28	6120 - Lowland Cedar	Poletimber Well	481.3	115	111-140	N/A	Levering Swamp. Mostly cedar with lesser amounts of mixed swamp species. Very wet, organic soil. Difficult access. Too wet to harvest. Factor limited. Areas of windthrow.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
29	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	528.0	115	111-140	N/A	Levering Swamp. Mixed swamp species. Very wet, organic soil. Difficult access. Too wet to harvest. Factor limited.																																																			
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30	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	16.9	80	81-110	N/A	Mixed species in transition area between upland northern hardwood stand and mixed conifer swamp. BA is about 100 sq. ft. presently. Only access into this stand is through private ownership. Landowner denies access. Factor limited. Stand will convert to mostly balsam fir over time.																																																			
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31	4110 - Sugar Maple Association	Sawtimber Well	16.4	90	111-140	N/A	Stand is an island of upland northern hardwood, mostly sugar maple boltwood/poletimber surrounded by mixed conifer swamp. Fairly nice quality, although smaller stand acreage. Present BA is about 125 sq. ft. Stand was prescribed for treatment last YOY, but access was denied by adjacent landowner. Treatment was terminated. Factor limited. Significant amounts of deer browsing exists.																																																			
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32	3105 - Mixed Upland Herbaceous	Nonstocked	2.5		Unspecified	No	Upland grass stand with encroaching hardwood, aspen, balsam fir, and white pine saps. Opening maintenance not possible because adjacent landowner denies access. Factor limited.																																																			
33	500 - Water	Nonstocked	2.0		Unspecified	No	Lost Lake																																																			
34	4199 - Other Mixed Upland Deciduous	Sawtimber Well	3.8	68	111-140	N/A	Stand is located on slightly higher ground than the adjacent swamp. Small acreage mix of mostly red maple boltwood, with lesser amounts of paper birch, sugar maple, basswood, and balsam fir poletimber/sawtimber. Scattered cedar poletimber also present. Heavy advanced balsam fir regen in understory. Present BA is about 120 sq. ft., however landowner denies access to stand. Factor limited.																																																			
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