



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52139

Entry Year 2020

Acreage: 824

County Cheboygan

Management Area: Mackinaw Lake Plain

Revision Date: 2018-06-04

Stand Examiner: Shannon Harig

Legal Description:

T37N R3W Sections 4, 6, 7, 8 and 9

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:

Soils in this compartment are primarily Tawas-Lupton Association with a bit of Cheboygan-Blue Lake Association and Detour-Brevort Association around Munro Lake.

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

West 1/2 of the compartment is primarily un-developed lowland. The east part is along the north shore of Munro Lake. The remainder of the lake is heavily developed residential/recreation.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

This compartment contains Munro and Lancaster Lakes, which support warmwater fish communities. Parks and Recreation Division maintains boating access sites at both of these lakes. These sites are important for recreational fishing opportunities. The prescribed management activities are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

This compartment consists mainly of swamp and lakeshore. The large swamp complex in the western portion of the compartment provides habitat for hare and bear, as well as bobcat. Some waterfowl use can be found in the wetter areas as well.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located on a drumlin on the border between sections 5 & 6. Gravel potential appears to be very good within the compartment, but the water table is likely shallow. There is no known oil and gas potential in the area and there is currently no active mineral leasing.

Vehicle Access:

Limited access to most of the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

Boat Access Sites exist in this compartment on both Lancaster Lake and Munro Lake.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

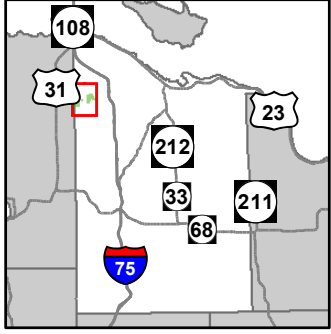
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

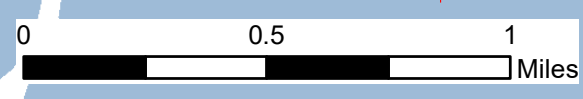
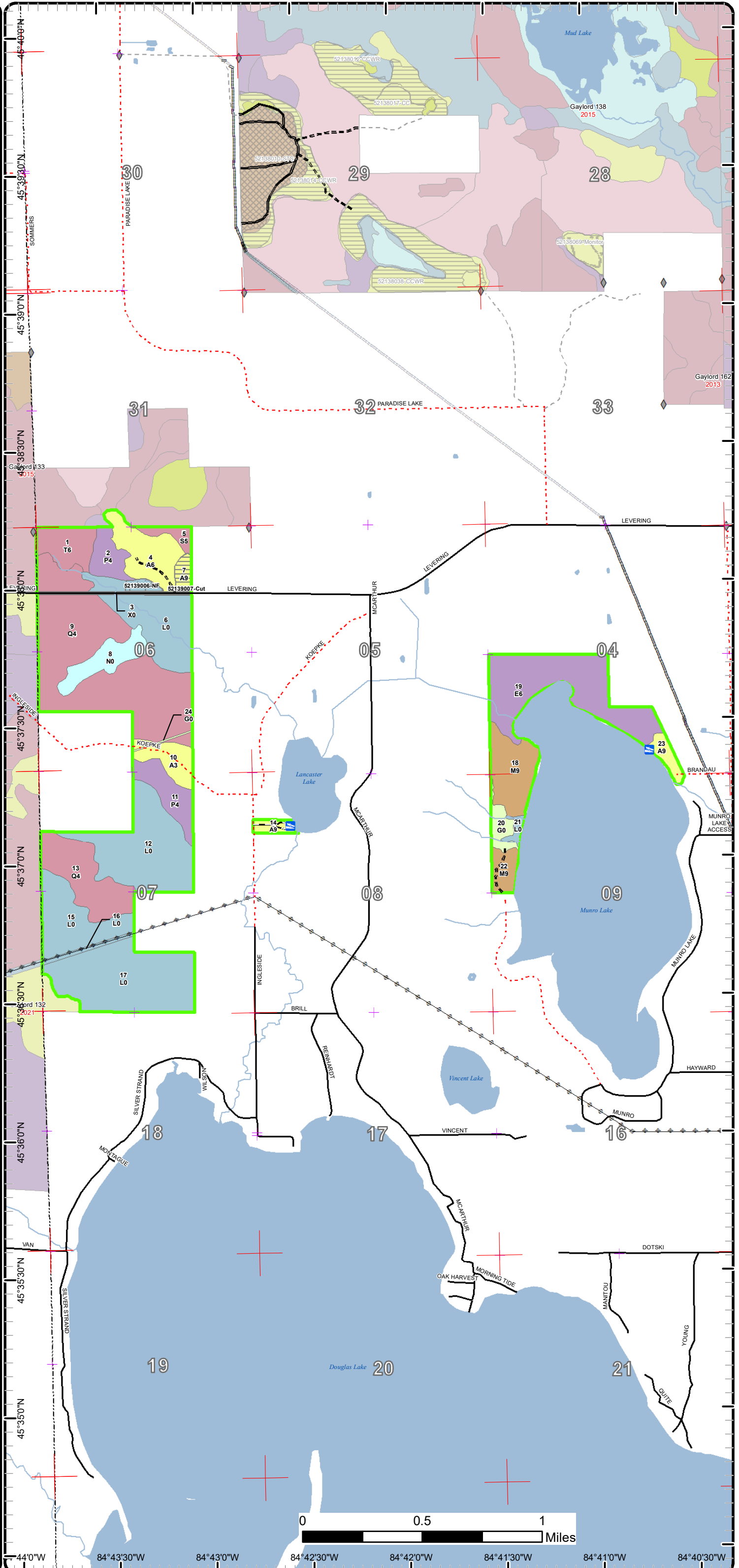
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



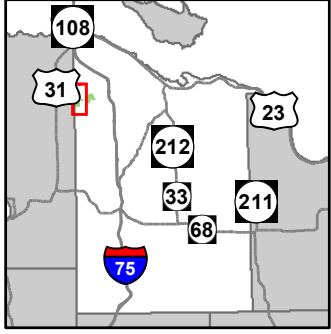
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



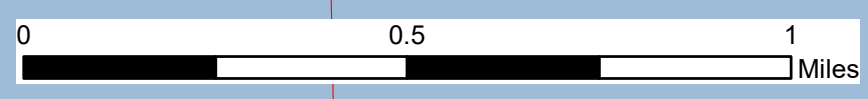
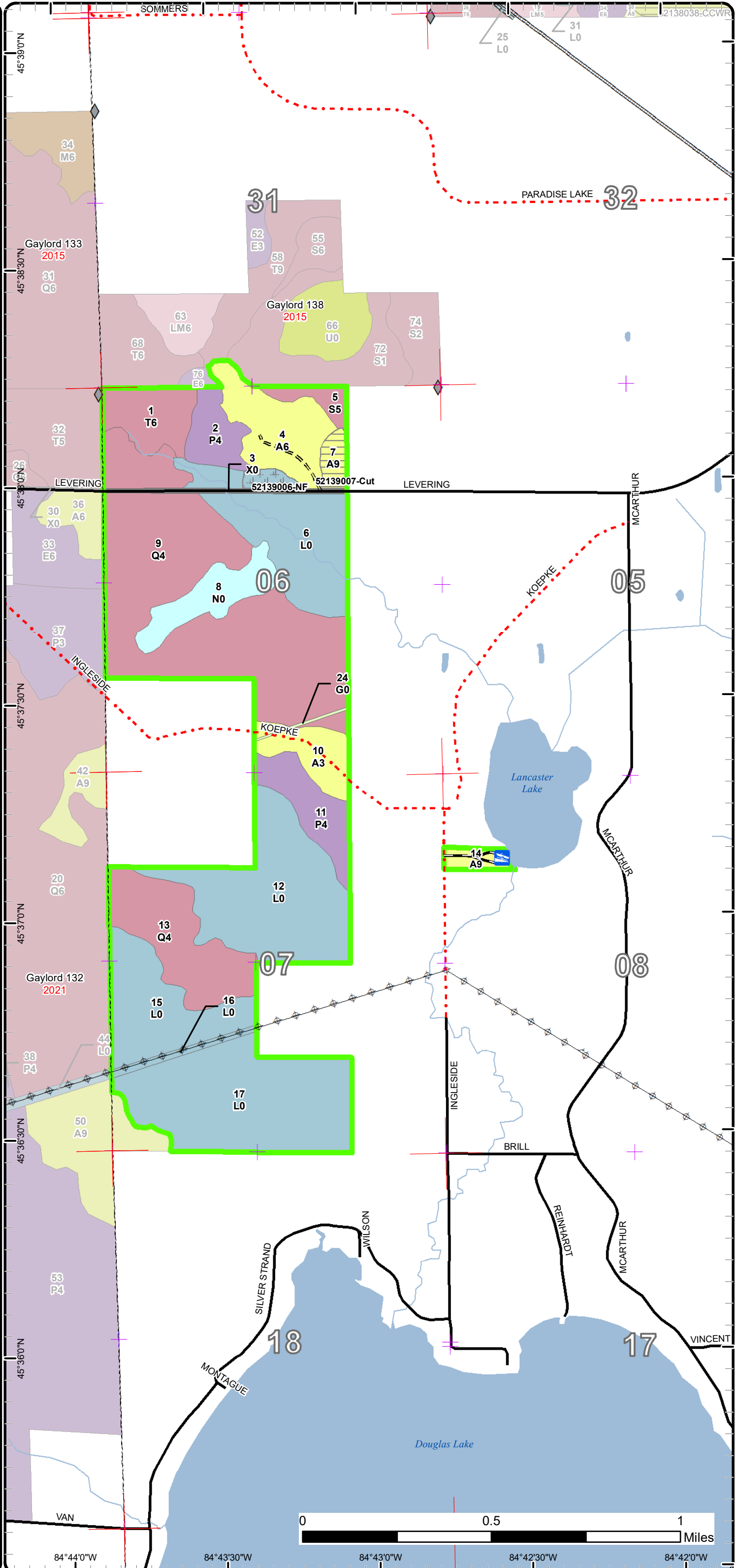
44°0'W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W 84°41'30"W 84°41'0"W 84°40'30"W

Cover Type & Treatments Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



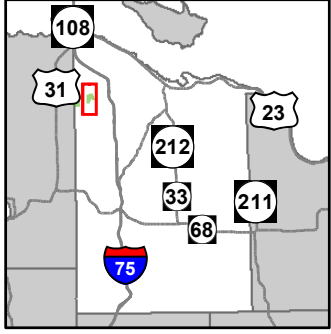
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- - - Counties
- DNR - Primary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- . - . County - Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- ⊕ Powerline
- ▭ Compartment Boundary
- ▭ Other Treatment - See Comments
- ▭ Clearcut (w/Reserves)
- ▭ 413 - Aspen Types
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 122 - Roads/Parking Lot
- ▭ 310 - Herbaceous Openland
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ Lakes



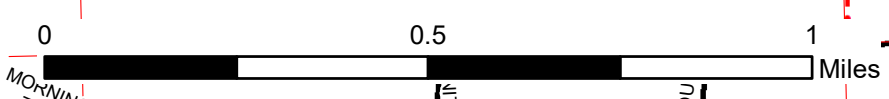
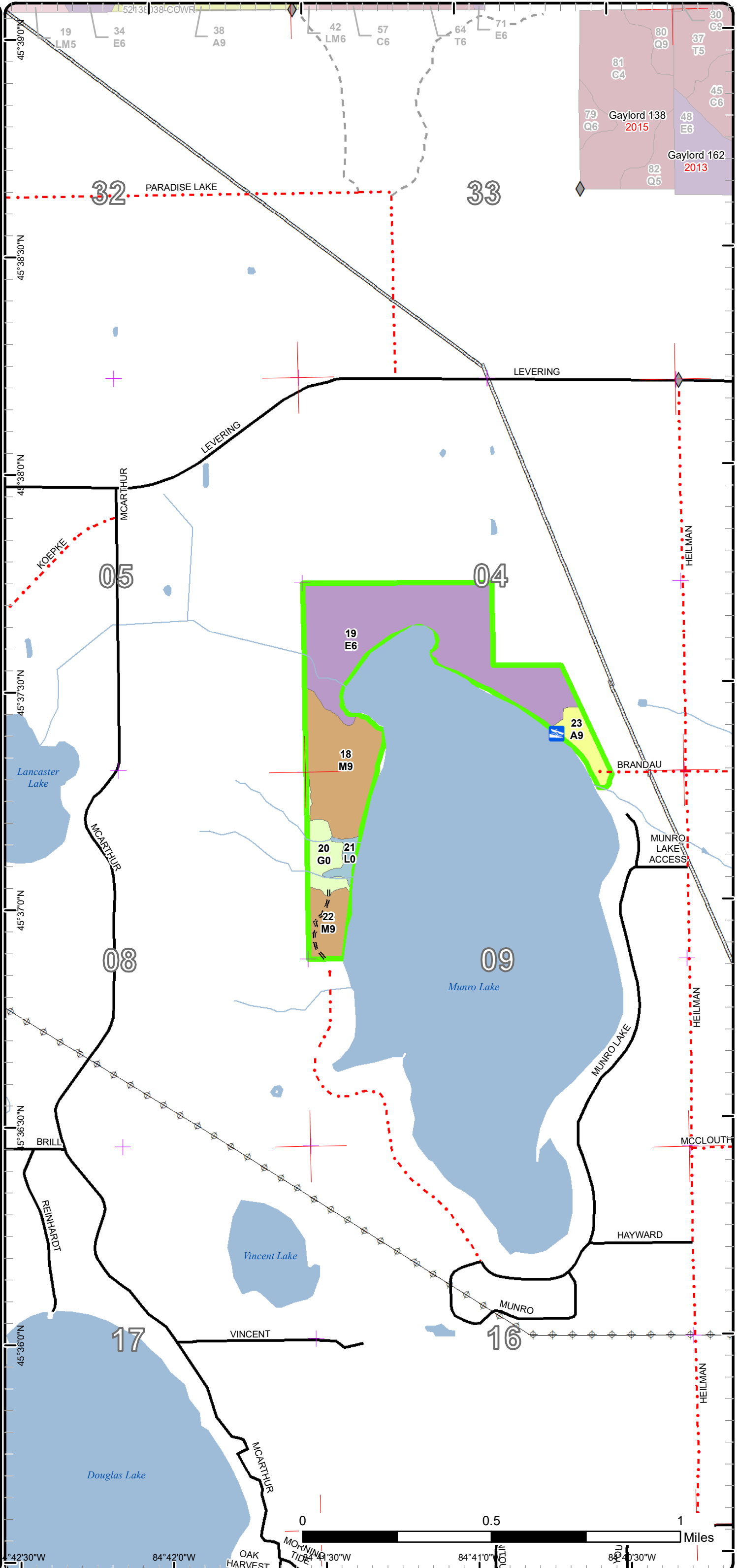
84°44'0"W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W

Cover Type & Treatments Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



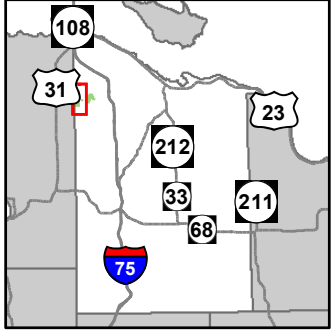
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- ⊕ Powerline
- Compartment Boundary
- 411 - Northern Hardwood
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- Lakes



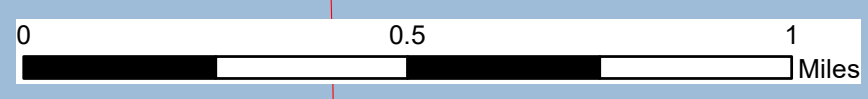
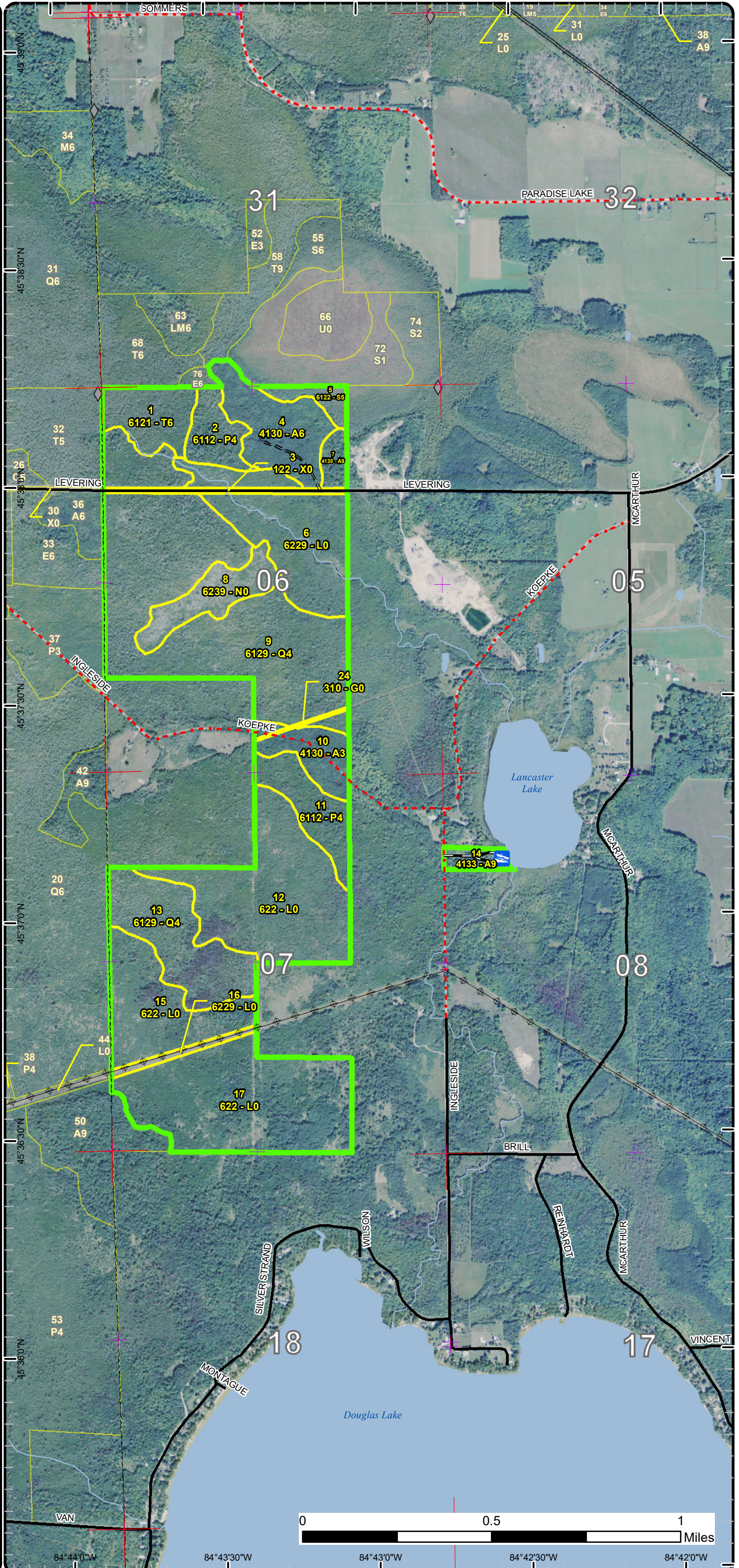
84°42'30"W 84°42'0"W 84°41'30"W 84°41'0"W 84°40'30"W

Stand Boundary Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



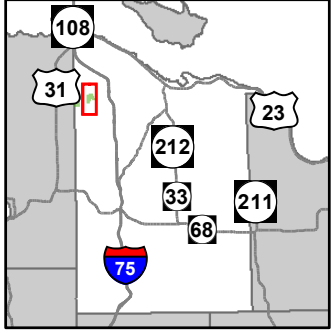
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- ⊕ Powerline
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



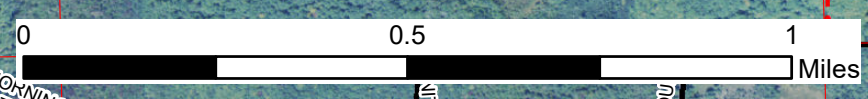
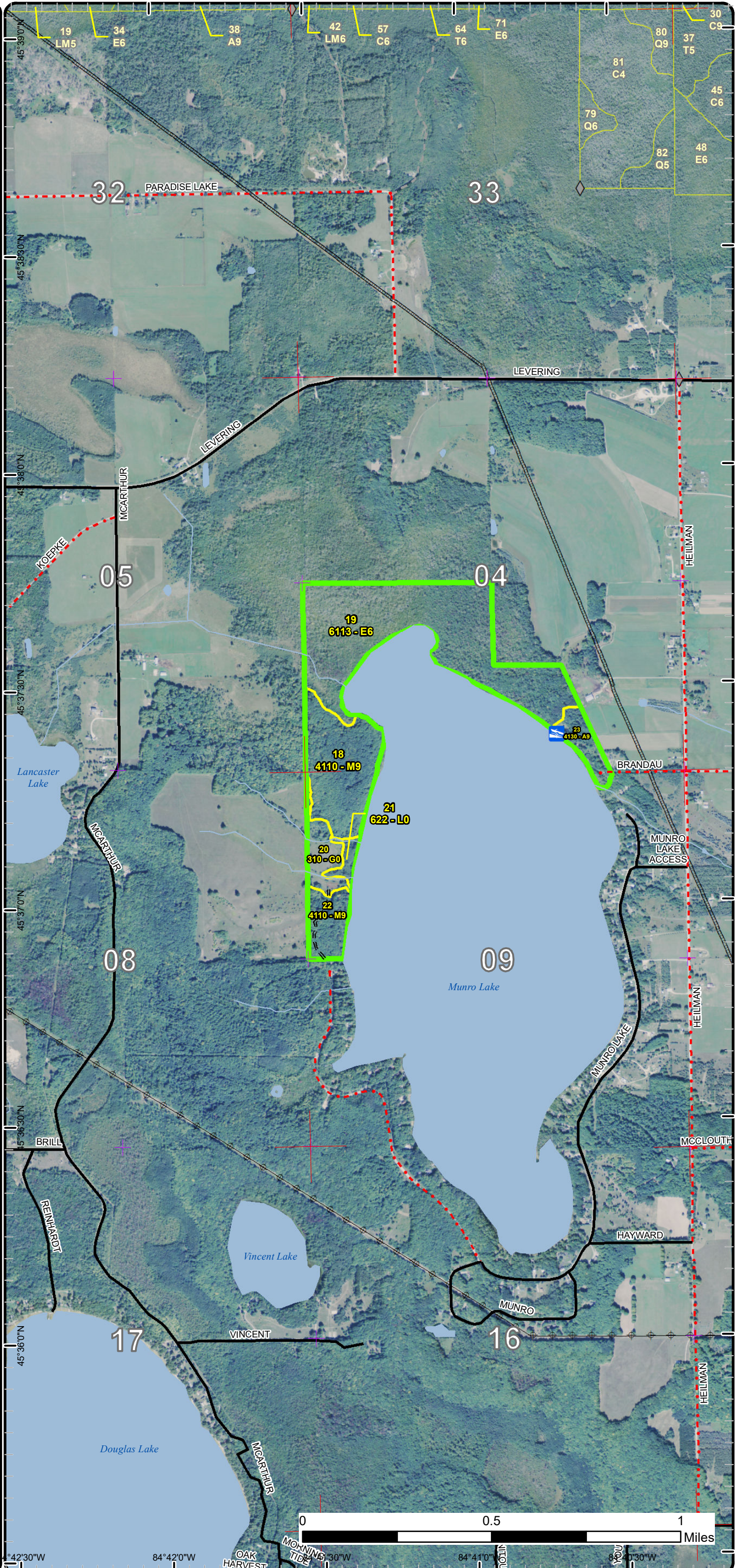
84°44'0"W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W

Stand Boundary Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



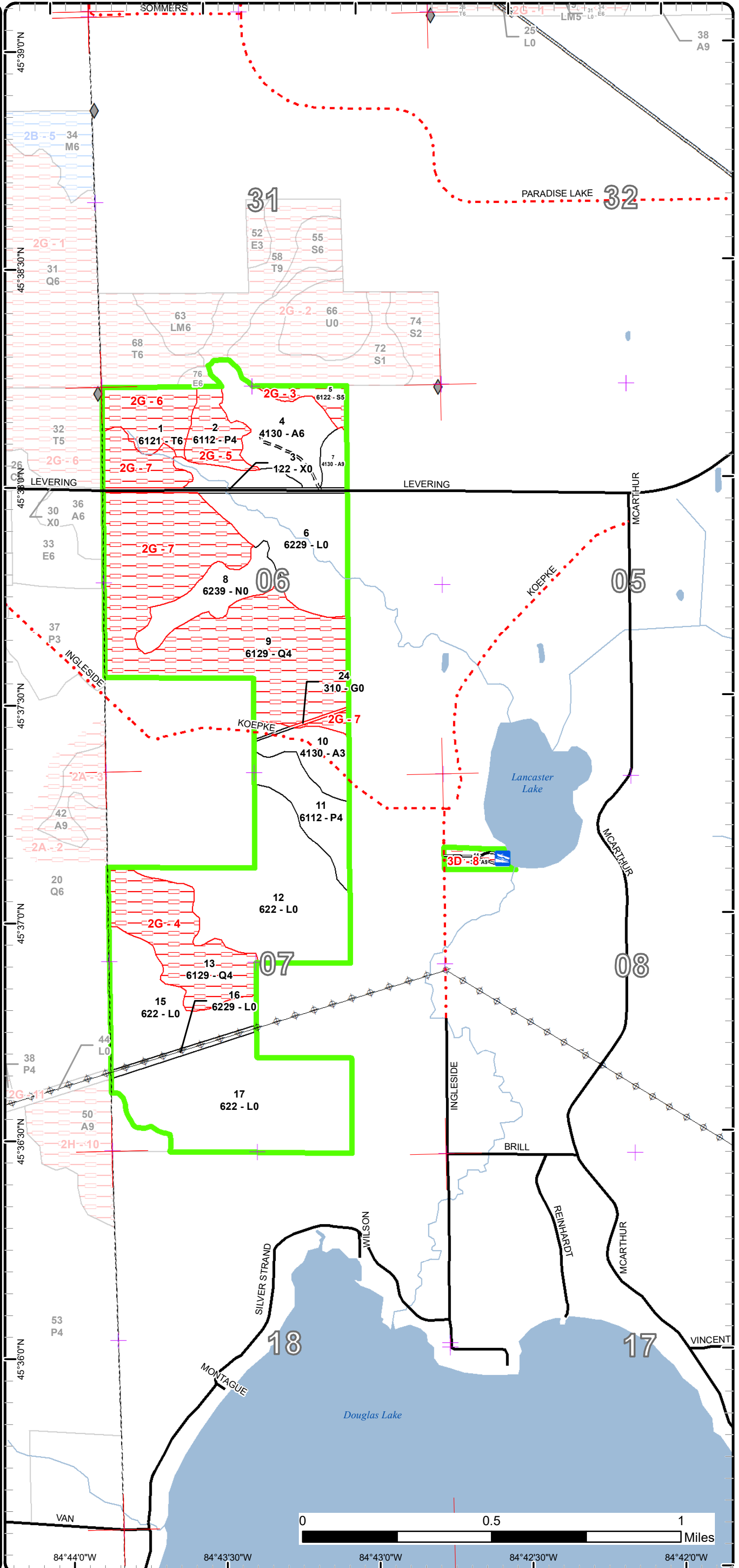
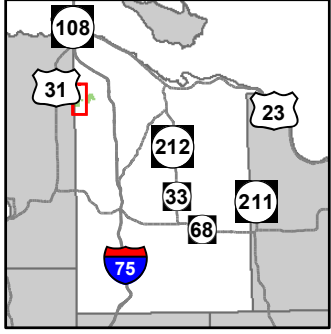
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



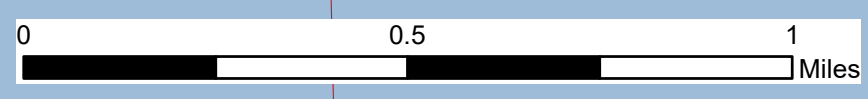
84°42'30"W 84°42'0"W 84°41'30"W 84°41'0"W 84°40'30"W

Special Conservation Areas & Site Conditions Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



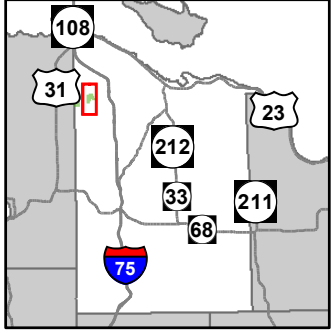
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- - - Counties
- DNR - Primary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- · - · County - Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- Powerline
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- Stand Boundaries



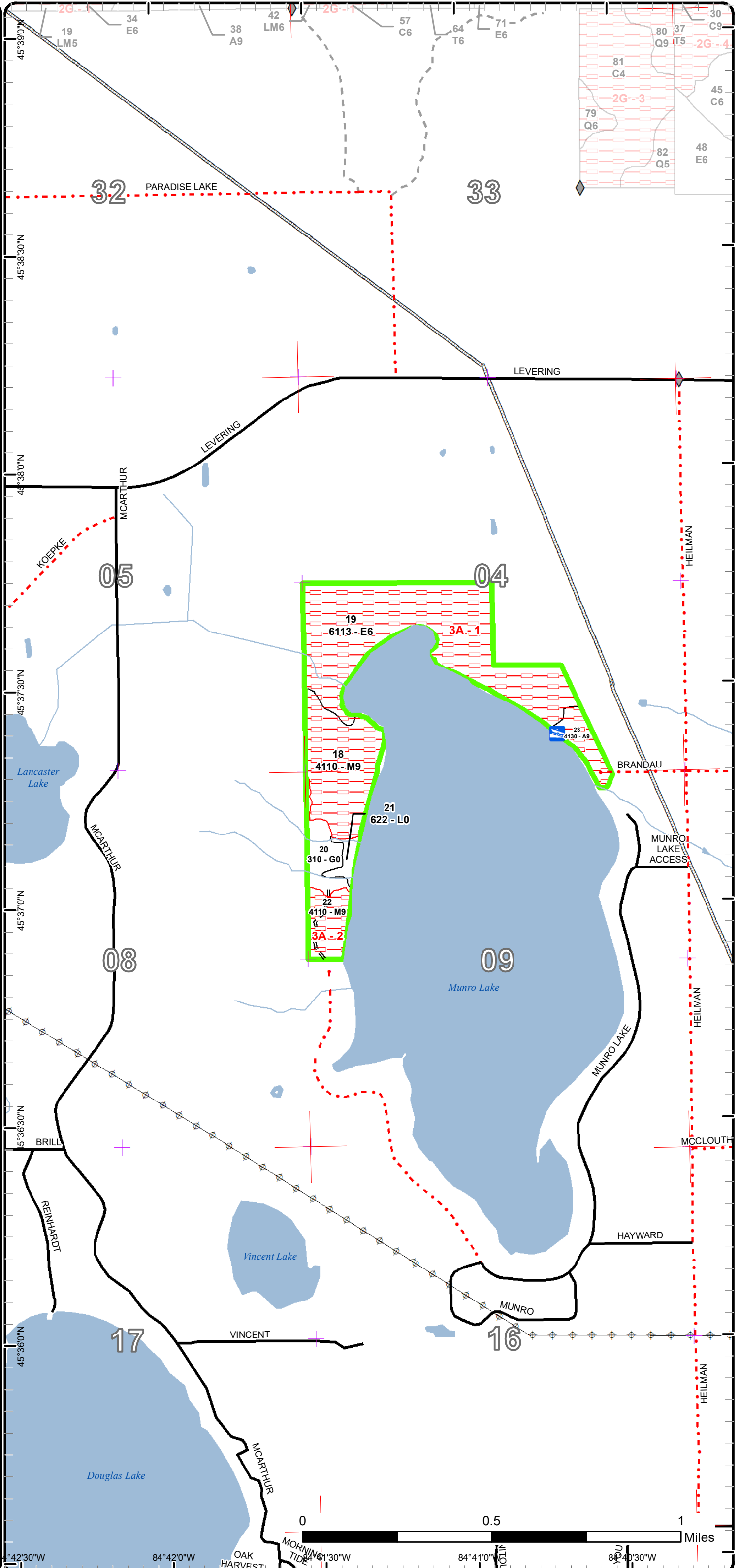
84°44'0"W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W

Special Conservation Areas & Site Conditions Map

Compartment: 139
 T37N, R03W, Sec. 4, 6-9
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2020
 Acres: 825 GIS Calculated
 Examiner: Shannon Harig
 Map Revised: 10/1/2018
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Boating Access Site
- Pipeline
- ⊕ Powerline
- Compartment Boundary
- Unavailable
- 3A: Conservation Values incompatible with harvest at this time
- Stand Boundaries





Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	54	0	0	6	15	0	0	0	0	0	0	0	0	0	0	75
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Aspen/Balsam Poplar	0	0	0	0	0	23	0	16	0	0	0	0	0	0	0	0	0	0	39
Lowland Conifers	0	0	0	0	0	0	0	0	0	165	0	47	0	0	0	0	0	0	212
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0	88
Lowland Shrub	291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Marsh	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	48
Tamarack	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	23
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	331	0	0	54	0	23	6	31	0	165	119	95	0	0	0	0	0	0	824



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 139

Total Compartment Acres: 824

Commercial Harvest - 6
 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		6	0	0	0	0	0	0	0	0	6
	Total	6	0	0	0	0	0	0	0	0	6

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		6	0	0	0	0	0	0	4		10
Next Step		0	0	0	0	0	6	0	0		6
	Total	6	0	0	0	0	6	0	4		17



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	Approval Status
6 52139006-NF	4.1	6229 - Mixed lowland shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	6220 - Alder/willow		Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Non-commercial cutting of tag alder for RGS alder regeneration.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 7 /30/2018

7 52139007-Cut	6.3	4130 - Aspen	Sawtimber Well	60	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
----------------	-----	--------------	----------------	----	--------	---------	----------	-------------	-----------	----------------------

Habitat Cut: No

Site Condition:

Prescription Cut all species to 2" DBH. No retention due to small stand size.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Minimum stocking of aspen, maple and balsam fir.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 10.4

Report 4 – Site Conditions

Gaylord Mgt. Unit
Shannon Harig : Examiner

Compartment: 139
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		2G	3A	3D
75	61	0	15	Aspen		9	6
12	12	0	0	Herbaceous Openland			
40	23	0	16	Lowland Aspen/Balsam Poplar	16		
212	0	0	212	Lowland Conifers	212		
88	0	0	88	Lowland Deciduous		88	
290	290	0	0	Lowland Shrub			
8	0	0	8	Lowland Spruce/Fir	8		
23	23	0	0	Marsh			
48	0	0	48	Northern Hardwood		48	
23	0	0	23	Tamarack	23		
6	6	0	0	Urban			
824	415		410	Total Forested Acres	259	145	6
	50%		50%	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	3A: Conservation Values incompatible with harvest at this time	133	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Shannon Harig : Examiner

Compartment: 139
Year of Entry: 2020

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	165	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3D: Recreational / Scenic values	6	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				
----------	--	--	--	--

Mgt. Unit

Compartment:

Year of Entry



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
-------------------	------	-------------



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6121 - Tamarack	Poletimber Well	22.9	93	51-80	
2	6112 - Lowland Aspen	Poletimber Poor	16.1	67	1-50	
4	4130 - Aspen	Poletimber Well	35.3	26	1-50	
5	6122 - Black Spruce	Poletimber Medium	7.5	97	1-50	
7	4130 - Aspen	Sawtimber Well	6.3	60	81-110	
9	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	164.6	89	1-50	Some mortality, a lot of blowdown.
10	4130 - Aspen	Sapling Well	18.9	26	1-50	Aspen regen looks good.
11	6112 - Lowland Aspen	Poletimber Poor	23.4	41	1-50	This stand was previously a well stocked stand of Black Ash. It looks like nearly 100% mortality in over story black ash though the black ash understory is apparently healthy.
13	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	47.4	100		
14	4133 - Aspen, Mixed Pine	Sawtimber Well	6.0	59	51-80	Lancaster Lake access site.
18	4110 - Sugar Maple Association	Sawtimber Well	35.6	102	141-170	
19	6113 - Lowland Maple	Poletimber Well	88.4	91	81-110	
22	4110 - Sugar Maple Association	Sawtimber Well	12.2	102	111-140	Nice looking stand. A lot of den trees.
23	4130 - Aspen	Sawtimber Well	8.7	60	51-80	Munroe Lake access site. Quite a few apple trees.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	122 - Road/Parking Lot	5.7	No	Van Road
6	6229 - Mixed lowland shrub	59.1	No	
8	6239 - Mixed Emergent Wetland	23.3	No	
12	622 - Lowland Shrub	82.2	No	
15	622 - Lowland Shrub	46.0	No	
16	6229 - Mixed lowland shrub	4.8	No	Pipeline ROW
17	622 - Lowland Shrub	94.7	No	
20	310 - Herbaceous Openland	10.4	No	
21	622 - Lowland Shrub	3.7	No	
24	310 - Herbaceous Openland	1.1	No	