



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52108

Entry Year 2023

Acreage: 1,274

County Emmet

Management Area: Mackinaw Lake Plain

Revision Date: 2021-05-20

Stand Examiner: Donald Stacks

Legal Description:

T38N - R05W, Sections 28, 31 - 33.

T38N - R06W, Section 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 for the State of Michigan.

Soil and topography:

Section 28 of the compartment contains higher ground, with some steep slopes, consisting of Blue Lakes and East Lake loamy sands, and Kalkaska sand. Northern hardwood, big-toothed aspen, and planted red pine are found in these areas. Most of Section 31 consists of Rubicon sand on fairly flat ground where a mix of red oak and aspen can be found. In most of Section 32, Tawas and Linwood mucks are found on flat terrain, with a mix of swamp conifers, swamp hardwoods, and lowland aspen present. The soil is too wet and poorly drained to allow timber harvest to occur in these areas. An area consisting of Menominee loamy sand and Thomas loam is located in the section, with the ground being slightly higher in elevation and soil types less saturated.

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

Wilderness State Park property is located north and west of the compartment. Private ownership and residences, including a few family operated farms, are also found adjacent to the compartment.

Unique Natural Features:

The potential for unique species of flora and fauna exists and are noted in MNFI, including Ram's head Lady's slipper and common loon occurrences.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

A 1993 director's order exists prohibiting dispersed camping on Wycamp Lake, stemming from overuse and littering problems.

Watershed and Fisheries Considerations:

This compartment contains portions of the Wycamp Lake watershed, including Collins Creek and an unnamed tributary, though none of the proposed treatments appear to be adjacent to surface waters

Wildlife Habitat Considerations:

This compartment has significant amounts of swamp adjacent to upland aspen and some pine. White-tail deer are plentiful in this compartment as it provides year-round food, cover, and shelter for that species. Other species known from this area include black bears and bobcats. The swamp also provides habitat requirements for a number of reptiles and amphibians.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is located three miles to the south. There may be some limited sand & gravel potential in the southern portion of the compartment. The northern portion is part of a designated Critical Dune Area. 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:

Access to the compartment can be achieved by way of multiple county roads, seasonal county roads, and forest trail roads.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

The North Country Pathway runs along the west boundary of the compartment from north to south, also around the west end of the lake. Fishing and waterfowl hunting are popular on Wycamp Lake.

Fire Protection:

Fire protection is provided by the Carp Lake VFD , located about nine miles to the northeast, and the Indian River Field Office, located about 31 miles to the south east.

Additional Compartment Information:

The following reports from the Inventory are attached:

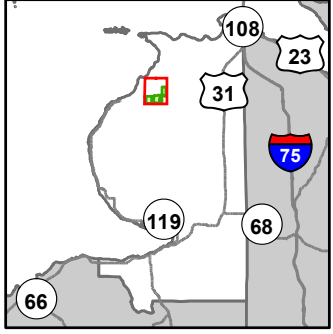
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

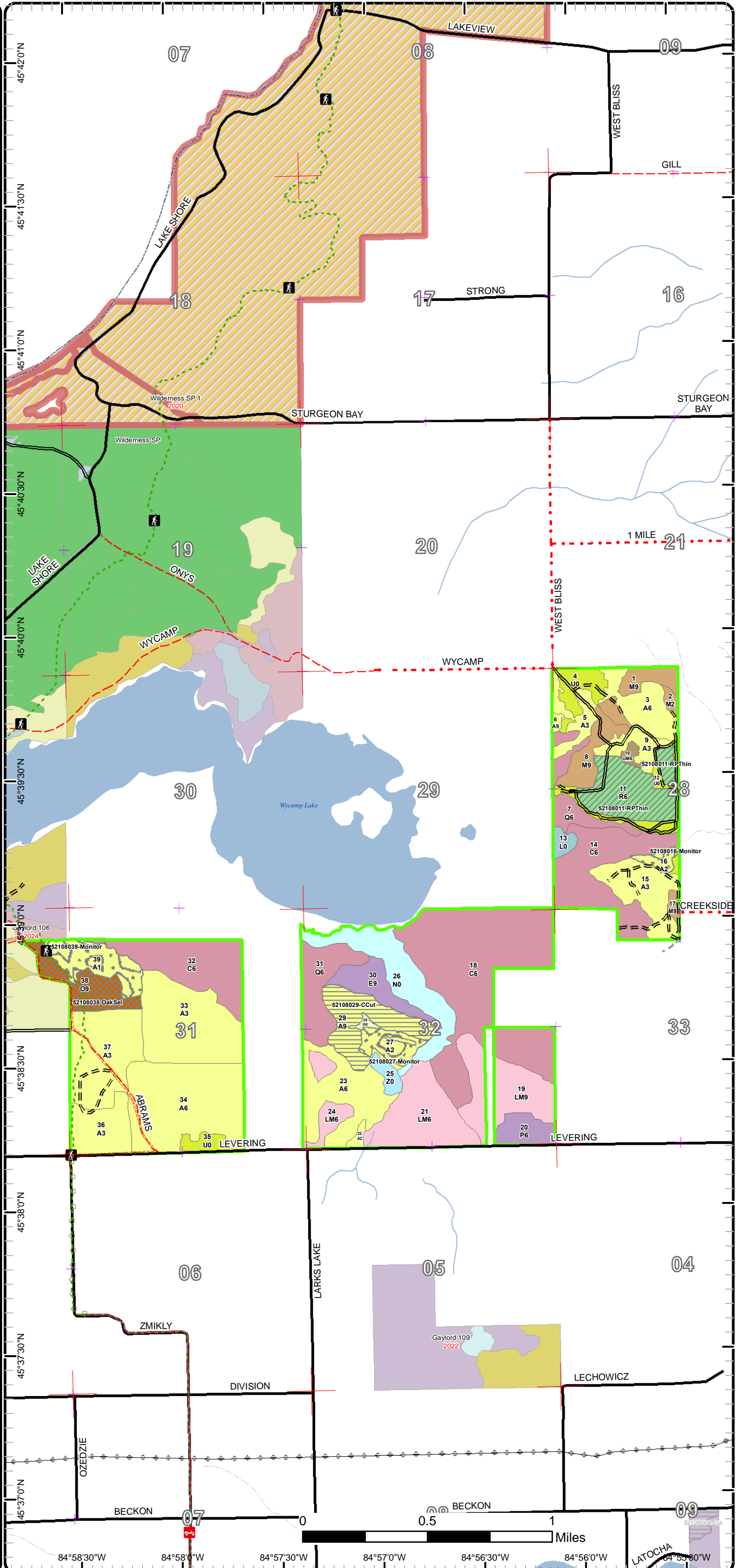
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 108
 T38N, R05W, Sec. 19, 28, 30-33
 T38N, R06W, Sec. 36
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2023
 Acres: 1273.8 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 10/5/2021
 Map Phase: Post-Review



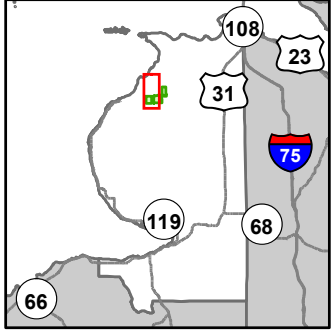
- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Designated Hiking Trails
- Designated Snowshoe Trails
- Designated ORV Route
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



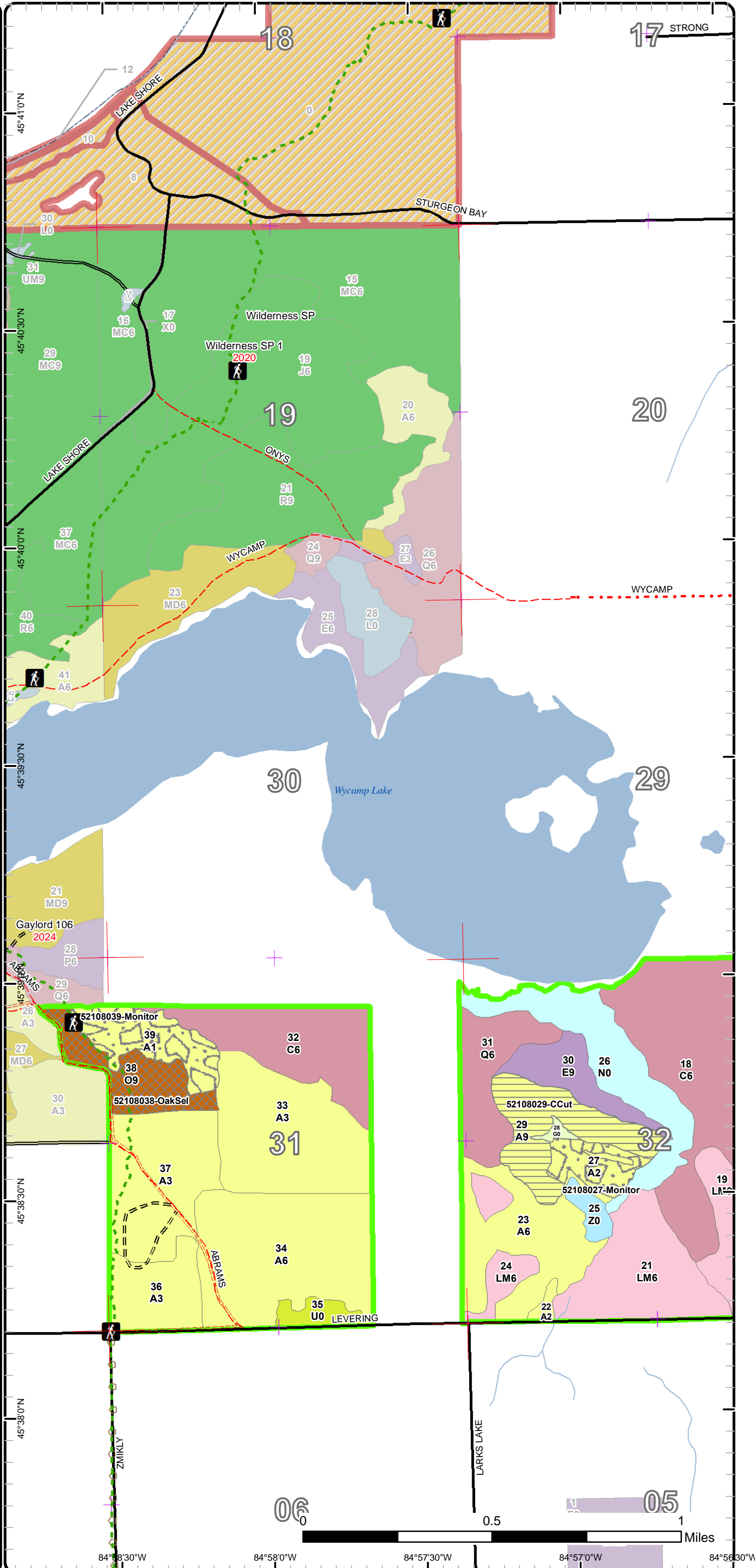
52108004-Cut
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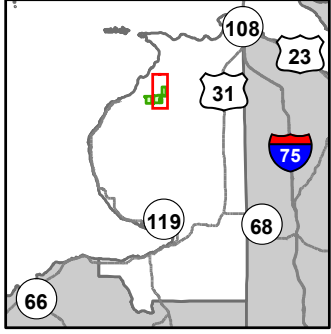


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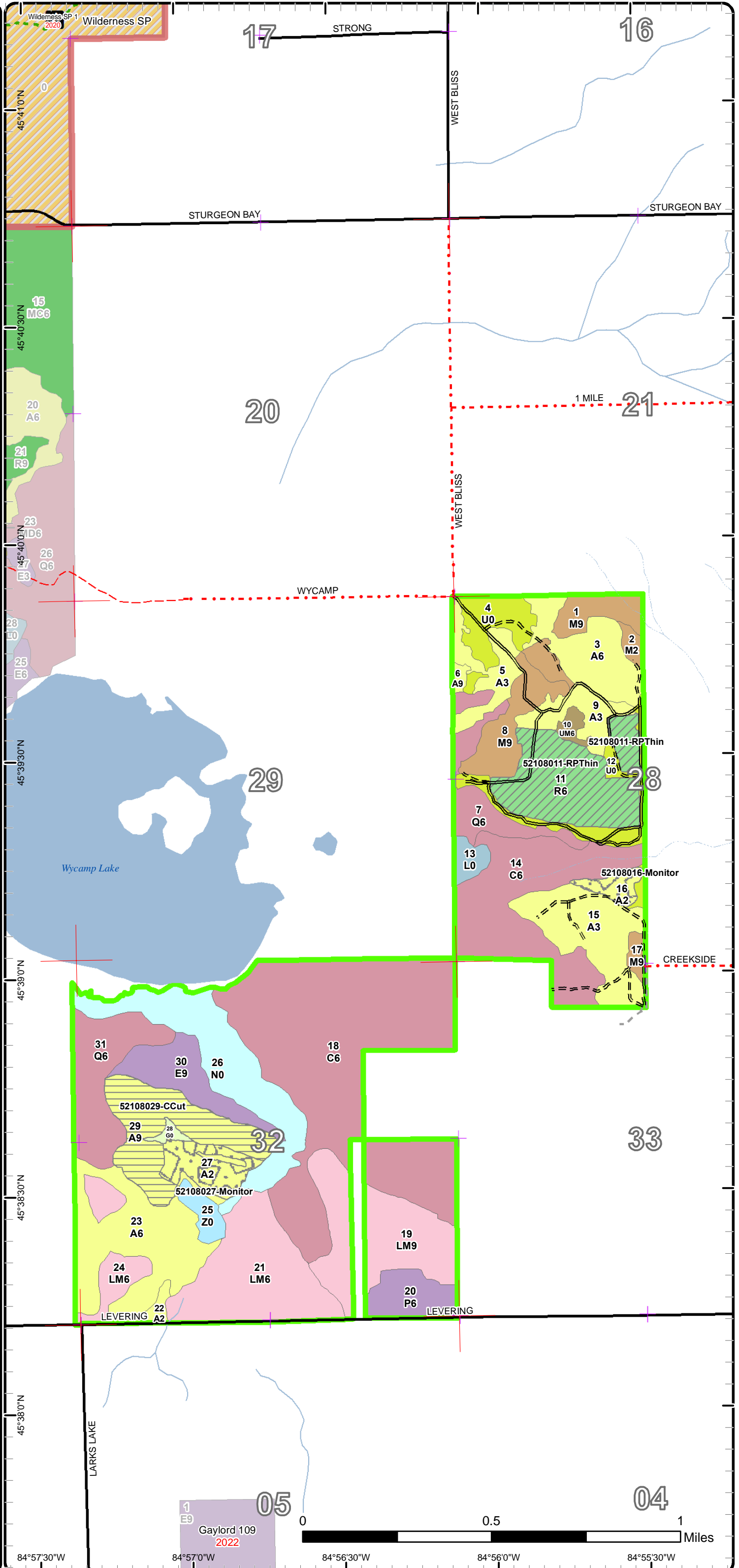


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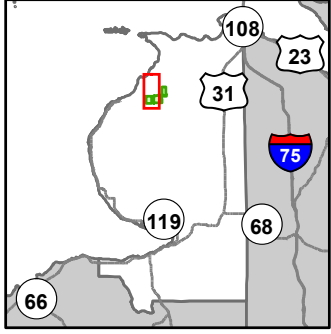


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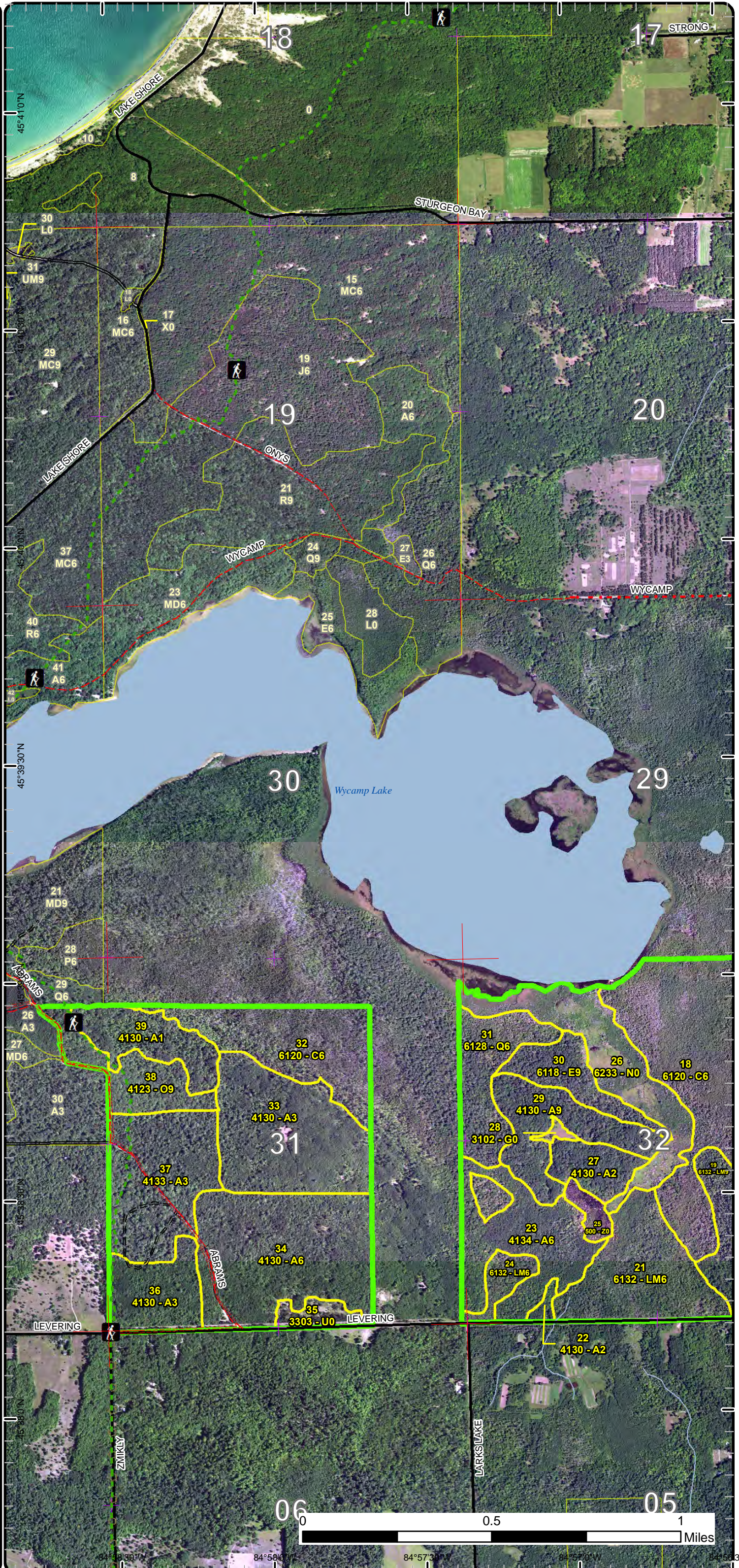


Stand Boundary Map

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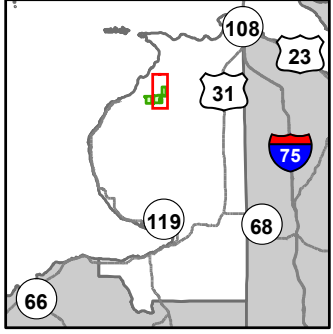
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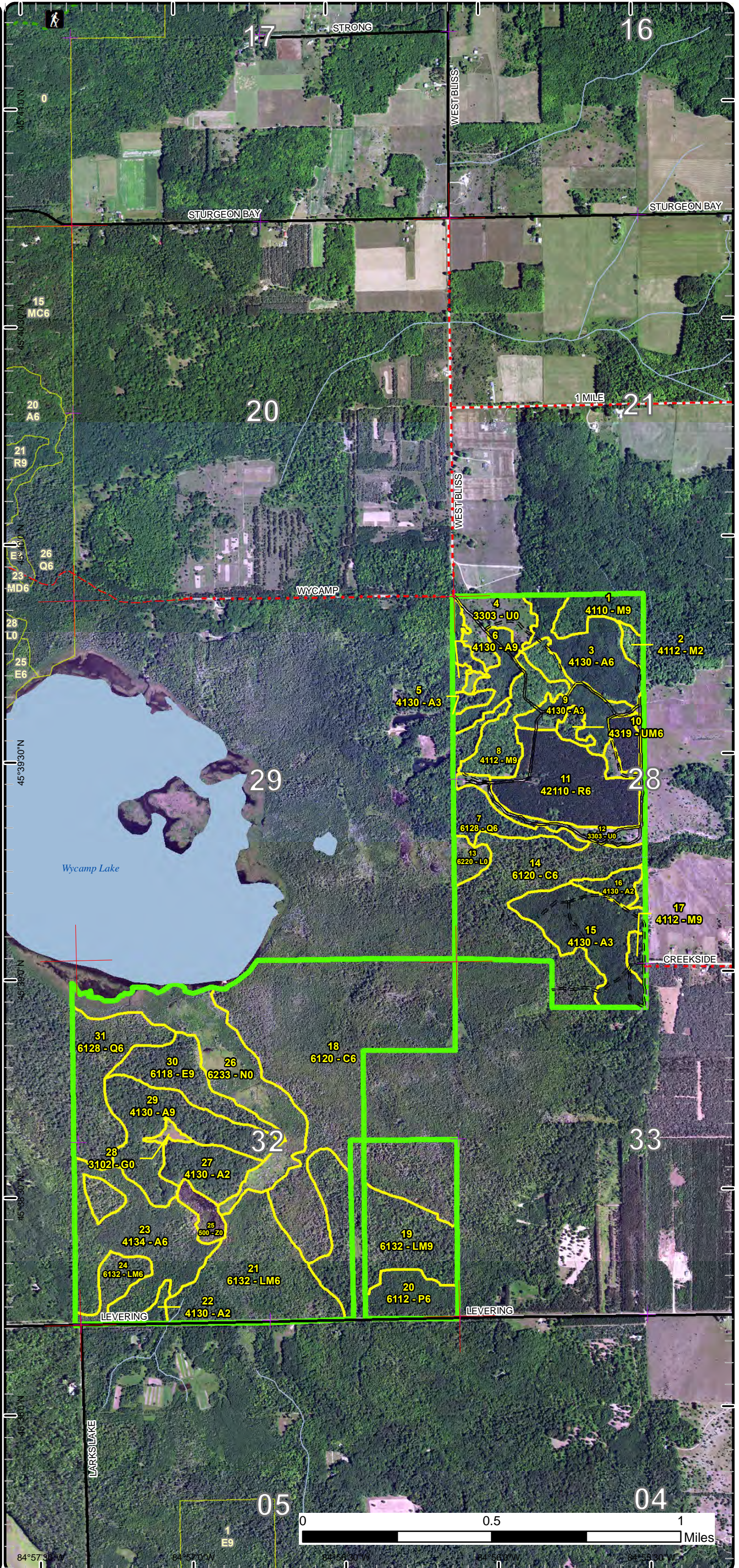
84°58'30"W 84°58'00"W 84°57'30"W 84°57'00"W 84°56'30"W

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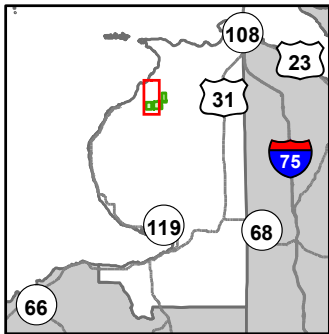


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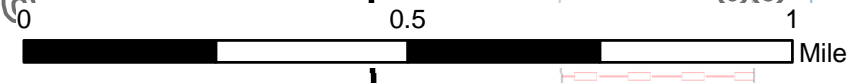
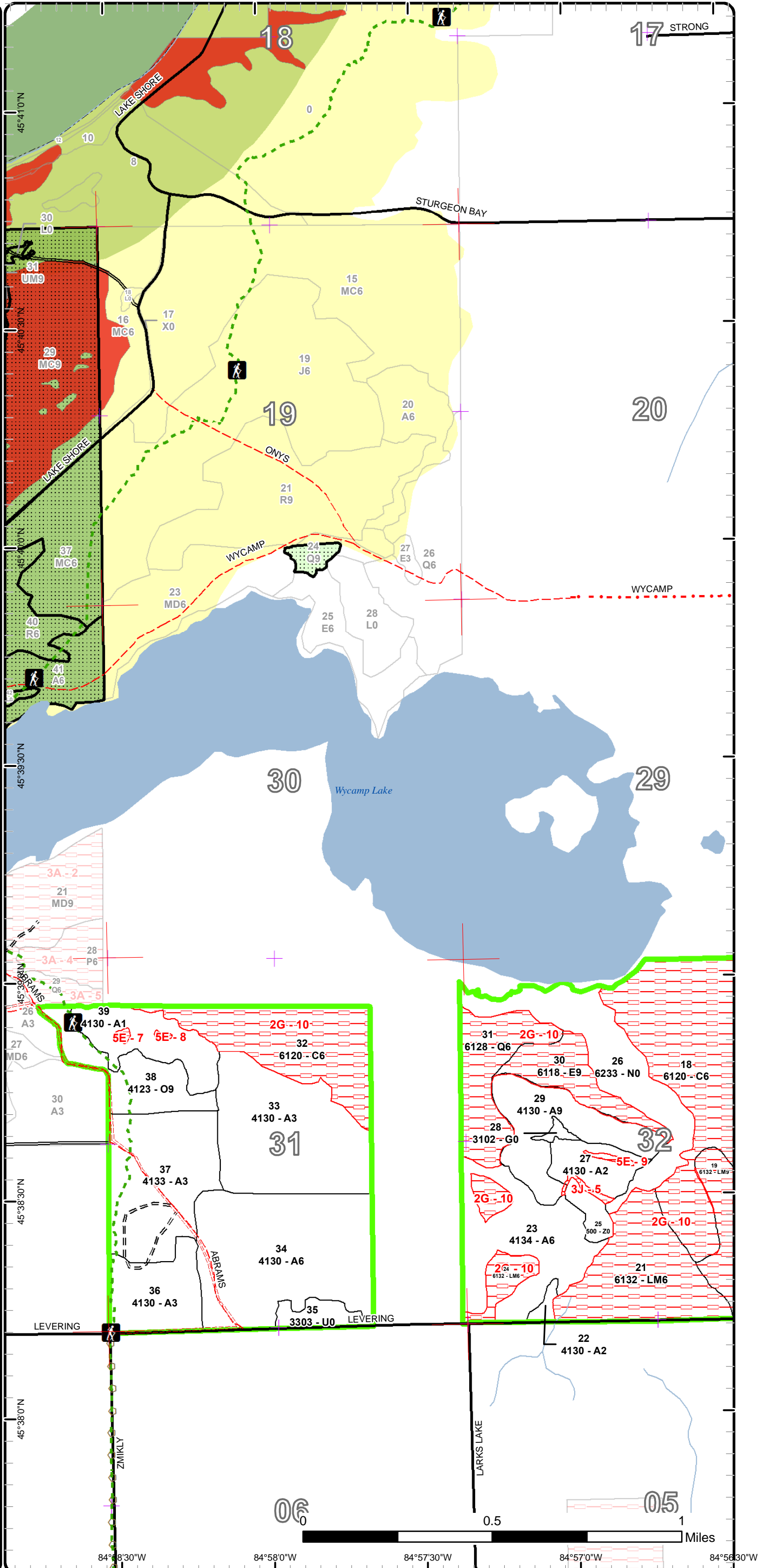


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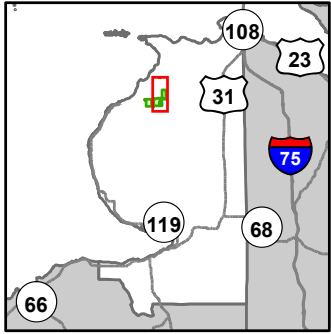
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- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Critical Dunes
- Critical Coastal Habitat (Piping Plover)
- Cold Water Streams
- Cold Water Lakes
- Habitat Corridor
- Possible Type 1 Old Growth



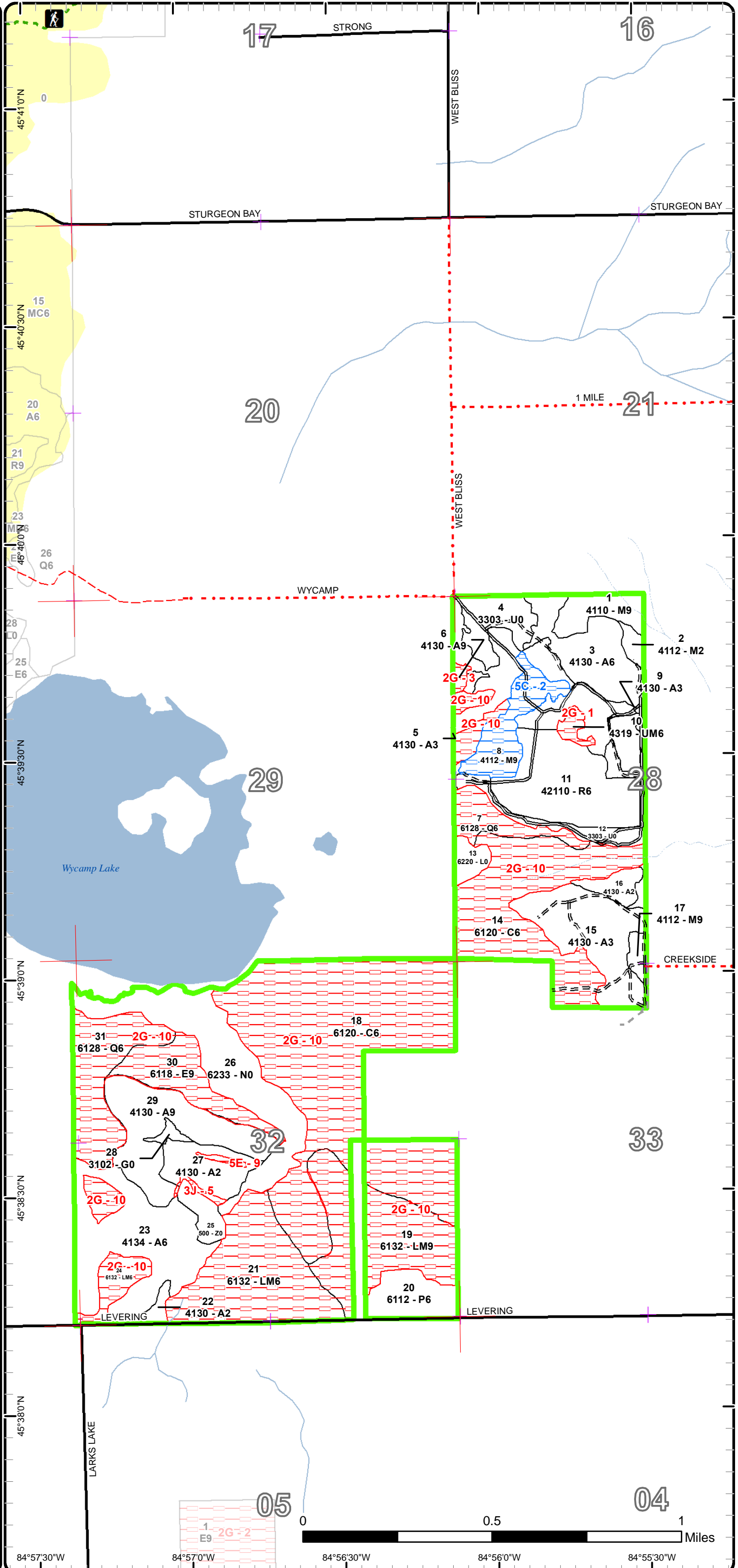
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- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Critical Dunes
- Cold Water Streams
- Cold Water Lakes



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	57	31	210	124	55	0	2	40	0	0	0	0	0	0	0	0	0	519
Cedar	0	0	0	0	0	0	0	0	0	0	170	0	58	67	0	0	0	0	295
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Aspen/Balsam Poplar	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	36	22	0	0	0	0	0	58
Lowland Deciduous	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	24
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	15	0	109	0	0	0	0	0	124
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Marsh	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Northern Hardwood	0	0	0	0	3	0	0	0	0	0	41	0	0	0	0	0	0	0	43
Oak	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	30
Red Pine	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	113	57	31	210	194	55	0	2	64	0	226	69	189	67	0	0	0	0	1276



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 108

Total Compartment Acres: 1,274

Commercial Harvest - 120
 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	40	0	0	0	0	0	0	0	0	40
Oak	0	30	0	0	0	0	0	0	0	30
Red Pine	0	0	0	0	0	50	0	0	0	50
Total	40	30	0	0	0	50	0	0	0	120

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	120	0	0	0	0	0	52	0	0	171
Next Step	0	0	0	0	0	0	70	0	0	70
Total	120	0	0	0	0	0	121	0	0	241



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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:

11	52108011-RPThin	50.1	42110 - Planted Red Pine	Poletimber Well	39	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut every third row of red pine beginning with the third row in from the 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.</p> <p><u>Specs:</u></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></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
16	52108016-Monitor	6.2	4130 - Aspen	Sapling Medium	4	Immature	Monitoring	Natural Regen (Intermediate)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Monitor aspen/mixed deciduous regen for browse damage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A moderate to fully stocked stand of aspen/mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
27	52108027-Monitor	15.4	4130 - Aspen	Sapling Medium	2	Immature	Monitoring	Natural Regen (Intermediate)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Monitor regen. Watch for excessive deer browse damage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A fully stocked stand of aspen/mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29 52108029-CCut	40.0	4130 - Aspen	Sawtimber Well	70	111-140	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. With Stand</p> <p><u>Specs:</u> 29 being adjacent to recently harvested Stand 27 on three sides, the two existing retention islands located presently in Stand 27 will also function as retention for Stand 29. 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. Consider seasonal cutting specs to address areas of wet ground.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A fully stocked stand of mixed aspen/mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
38 52108038-OakSel	29.6	4123 - Red Oak	Sawtimber Well	100	81-110	Harvest	Group Selection	4123 - Red Oak	Even-Aged	No
<p><u>Prescription</u> Prescribe a group selection harvest to create multiple 100 - 200' canopy gaps in the stand, to encourage red oak regen. Mark red oak to</p> <p><u>Specs:</u> release crop trees to a BA of 70 sq. ft. between the areas of gap creations. Also, harvest all aspen and mixed northern hardwood, except paper birch, within the stand. Add trail specs to protect North Country Pathway from harvest damage, to include minimizing the number of trail crossing locations with harvest equipment. After harvest is complete, monitor regen for browse damage.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A moderately to fully stocked stand of red oak, with lesser amounts of mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
39 52108039-Monitor	30.0	4130 - Aspen	Sapling Poor	4	Immature	Monitoring	Natural Regen (Intermediate)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Monitor regen. Look for excessive damage from deer browse.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A fully stocked stand of aspen/mixed deciduous regen.</p> <p><u>Regen:</u></p> <p><u>Other</u> High deer density area.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 171.3
Acreage Proposed:

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 108
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	2G	3A	3J	5E
518	512	0	6	Aspen		2	0	1	2
295	0	0	295	Cedar		295			
2	2	0	0	Herbaceous Openland					
44	44	0	0	Low-Density Trees					
17	17	0	0	Lowland Aspen/Balsam Poplar					
57	1	0	57	Lowland Conifers		57			
23	0	0	23	Lowland Deciduous		23			
125	0	0	125	Lowland Mixed Forest		125			
6	6	0	0	Lowland Shrub					
53	53	0	0	Marsh					
44	24	20	0	Northern Hardwood	20				
30	30	0	0	Oak					
50	50	0	0	Red Pine					
3	0	0	3	Upland Mixed Forest		3			
7	7	0	0	Water					
1,274	745	20	509	Total Forested Acres	20	505	0	1	2
	58%	2%	40%	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)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 108
Year of Entry: 2023

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	500	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	SCA	5
Comments				
Portions exist in the Critical Dune Barrier. Remainder of stand was recommended for SCA during last inventory cycle				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
HCVA	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																													
1	4110 - Sugar Maple Association	Sawtimber Well	17.0	95	81-110	N/A	High quality stand of mostly sugar maple sawtimber, especially the east half of the stand. Last selection harvest believed to have occurred about 1990. Lack of harvest record. Present BA is about 97 sq. ft. Steep topography on the west side of the stand.																													
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2	4112 - Maple, Beech, Cherry Association	Sapling Medium	3.1	30	Immature	N/A	Encroaching hardwood/aspen saps on SW facing slope.																													
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3	4130 - Aspen	Poletimber Well	28.0	30	51-80	N/A	Aspen hardwood regen from 1991 final harvest in transition from saps to small poletimber. Located on fairly steep SW facing slope, which will make harvest operations somewhat difficult.																													
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4	3303 - Mixed Low Density Trees	Nonstocked	16.9		Unspecified	No	Many apple trees scattered throughout stand. Heavily browsed sumac also. Apple trees were pruned in 2016-2017. ORV damage present.																													
5	4130 - Aspen	Sapling Well	16.2	16	Immature	N/A	Aspen/hardwood regen from 2005 final harvest.																													
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6	4130 - Aspen	Sawtimber Well	1.8	68	81-110	N/A	A small stand of quaking aspen sawtimber/poletimber, paper birch sawlogs and poletimber, and scattered red maple poletimber growing on a very wet site containing numerous groundwater seeps. The area was not included in the adjacent 2005 harvest because of the wet, fragile ground. The aspen is starting to windthrow. Heavy deer browsing in understory .																													
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7	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	22.0	110	141-170	N/A	Stand consists of the two low-lying gully areas in the north part of the stand where numerous groundwater seeps flow through them. Multiple lowland species exist in this stand. The south portion of the stand is the transition area from upland area along the edge of Stand 11 to the south into Stand 12 C stand.																																															
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8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.0	95	111-140	N/A	Northern hardwood stand, very heavy to red maple sawtimber and larger diameter poles. Lower sugar maple and beech component. Scattered BTA, paper birch, hemlock, and balsam fir also present. Stand has young aspen adjacent on three sides, with higher quality sugar maple located to the north. Seeps located along west boundary in Stand 7. Significant amount of deer in the area, wintering in swamp to west. Heavy browsing in understory. Stand appears to function as a wildlife corridor between the swamp and upland cover. Stick nests have been present in this stand for the last three YOE's. Delay treatment in this stand for the reasons mentioned above.																																															
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10	4319 - Mixed Upland Forest	Poletimber Well	3.4	100	141-170	N/A	Unique stand on upland site where a seep and a perched water table is present, resulting wet, fragile ground. Majority of stand is made up of cedar and paper birch.																																															
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11	42110 - Planted Red Pine	Poletimber Well	50.1	39	171-200	N/A	Dense, fully stocked red pine plantation, with variable diameters found throughout the stand. Current BA is about 196 sq. ft. Rows are spaced slightly wider than normal which should result in very little damage to residual rows during harvest operations. Prescribe a row thinning this year of entry.																																															
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12	3303 - Mixed Low Density Trees	Nonstocked	17.8		Unspecified	No	Scattered, low density BTA, paper birch, pin cherry, quaking aspen, white pine, red pine, spruce and heavily browsed sumac. Stand has a two-track running the entire length. Steep, west facing slope found in north arm of stand.																																																								
13	6220 - Alder/willow	Nonstocked	5.6		Unspecified	No																																																									
14	6120 - Lowland Cedar	Poletimber Well	67.3	121	171-200	N/A	High quality cedar stand, with scattered paper birch, big-toothed aspen, red maple, balsam fir, black spruce, and hemlock present in lesser amounts. Several drainages exist in stand.																																																								
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15	4130 - Aspen	Sapling Well	37.6	27	Immature	N/A	Aspen/hardwood regen from 1994 final harvest. Deer browsing along edge of swamp.																																																								
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16	4130 - Aspen	Sapling Medium	6.2	4	Immature	N/A	Small stand of mixed big-toothed aspen/red maple/paper birch regen from 2017 final harvest. Adjacent to cedar swamp. A small stream is located to the north of this stand, just into the cedar stand. Sparse, scattered hemlock, white pine, and red oak in overstory left uncut from harvest. Significant deer numbers in area. Browse damage present.																																																								
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17	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.5	97	81-110	N/A	Small stand of poorer quality, larger diameter red maple adjacent to private property on the east. Red maple, balsam fir, and a little hemlock in the understory. This stand has very little commercial value and bigtooth aspen saplings located on three sides. The hemlock in the understory will be damaged if harvest takes place. With that in mind, leave this stand of mature timber unharvested, primarily for age-size class diversity.																																																								
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18	6120 - Lowland Cedar	Poletimber Well	170.0	90	201+	N/A	N. white cedar, mostly poletimber, with a lesser amount of balsam fir, black spruce, tamarack, and paper birch. A creek runs through stand to the northwest and empties into Wycamp Lake. Dense wildlife thermal cover. SW portion of stand was acquired in 2019. Too wet to harvest.																																																
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19	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	51.3	113	111-140	N/A	Mixed lowland conifers, with a steady component of larger diameter paper birch, red maple, and old dying big-toothed aspen. Lower BA and older age classes than adjacent cedar stand to the north. Fragile, poorly drained soil. Western 1/3 of stand was acquired in 2019. Too wet to harvest.																																																
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20	6112 - Lowland Aspen	Poletimber Well	16.9	36	51-80	N/A	Small aspen stand in transition from saps to small poletimber, with a consistent balsam fir component, on wet soil, from 1985 final harvest. A one chain uncut buffer strip lies between the stand and Levering Rd. Possible final harvest in about 20 years. Wet soil will require a winter cut only at time of harvest. Heavy deer browsing is evident.																																																
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21	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	58.1	113	111-140	N/A	Mixed lowland conifers, with a steady component of larger diameter paper birch, red maple, and old dying big-toothed aspen. Lesser stocked lowland brush areas present. Fragile, poorly drained soil would make harvest very difficult, if not impossible. Stand was acquired in 2019 Too wet to harvest..																																																
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22	4130 - Aspen	Sapling Medium	2.9	2	Immature	N/A	Mixed aspen/Northern hardwood regen from 2019 final harvest when this parcel was privately owned. A significant amount of browse damage to regen is present. Parcel was acquired by the state in 2019.																																																
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23	4134 - Aspen, Spruce/Fir	Poletimber Well	54.6	40	51-80	N/A	Quaking aspen poletimber stand, with balsam fir, and lesser amounts of paper birch and red maple. Stand is located on higher ground, with some wet areas present also. Stand was acquired in 2019. Final harvest in 10 - 20 years.																																																
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24	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	15.3	90	111-140	N/A	Mixed lowland conifers, with a steady component of larger diameter paper birch, red maple, and old dying big-toothed aspen. Fragile, poorly drained soil would make harvest very difficult, if not impossible. Stand was acquired in 2019 Too wet to harvest..																																																
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25	500 - Water	Nonstocked	6.7		Unspecified	No	Old beaver pond. Recent acquisition in 2019.																																																
26	6233 - Wet Meadow	Nonstocked	53.5		Unspecified	No	Wet meadow and lowland shrubs. Drainage flows into Wycamp Lake through this stand. Southern 1/3 of stand was acquired in 2019.																																																
27	4130 - Aspen	Sapling Medium	17.9	2	Immature	N/A	Mixed aspen/Northern hardwood regen from 2019 final harvest when this parcel was privately owned. A significant amount of browse damage to regen is present. Lesser amounts of red maple, sugar maple, white ash, beech, and paper birch were also harvested. Timber was left unharvested along north boundary line, apparently for retention purposes, and along the beaver pond to the south of the stand. Parcel was acquired by the state in 2019.																																																
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28	3102 - Grass	Nonstocked	1.9		Unspecified	No	Grass opening. A few old apple trees are present, which have recently been pruned.																																																
29	4130 - Aspen	Sawtimber Well	40.0	70	111-140	N/A	Mixed aspen stand, mostly sawtimber, located on mostly higher, fairly dry, flat ground. Current BA is about 120 sq. ft. South part of stand was acquired in 2019. Previous landowner has done some recent harvesting and has built a fair quality road into this stand from Levering Rd., from the south. Final harvest this YOY to restart aspen coverype. Deer numbers and browse damage are high in this area. Regen should be monitored closely after harvest takes place.																																																
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30	6118 - Lowland Deciduous with Cedar	Sawtimber Well	23.5	70	111-140	N/A	Mixed aspen/swamp conifer stand located on a more poorly drained soil than Stand 29. This stand appears to be too wet to harvest in most areas. Stand will convert to more swamp conifers. Current BA is about 120 sq. ft. Deer numbers and browse damage are high in this area.																																															
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31	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	35.5	108	81-110	N/A	Mixed swamp conifers and cedar with scattered quaking aspen, paper birch, and red maple, located on poorly drained soil. Harvest would be difficult, if not impossible. Mostly poletimber but some sawlogs also present. Areas of mortality and windthrow present. Southernmost 4 acres of the stand were acquired in 2019.																																															
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32	6120 - Lowland Cedar	Poletimber Well	57.7	110	111-140	N/A	Stand is dominated by cedar poletimber, with a few sawlogs. There is a transition zone along the south border of the stand from upland to lowland topography. BTA, balsam fir, paper birch, and black spruce found here, becoming more cedar dominated farther to the north. Windthrow present. Standing water in places. Fair amount of wintering deer. Too wet to harvest.																																															
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33	4130 - Aspen	Sapling Well	76.5	26	Immature	N/A	Aspen/mixed hardwood regen in transition from saps to smaller poletimber from 1995 final harvest. Scattered red oak, white pine, and hemlock sawtimber/poletimber left unharvested.																																															
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34	4130 - Aspen	Poletimber Well	96.2	38	51-80	N/A	B.T.A. smaller diameter poletimber and saps from 1983 final harvest. Some red oak and paper birch regen present also. Scattered large red oak and white pine in overstory. Final harvest possible in about 10 - 20 years. Adjacent to Levering Rd.																																															
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35	3303 - Mixed Low Density Trees	Nonstocked	9.3		Unspecified	No	Scattered jack pine, quaking aspen, paper birch saplings encroaching into grassy opening. A strip of larger jack pine poletimber runs along the south edge of the stand and acts as a buffer to Levering Rd.																																															



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36	4130 - Aspen	Sapling Well	31.4	27	Immature	N/A	B.T.A. regen in transition from saps to smaller diameter poletimber from 1994 final harvest. Some red oak and paper birch regen present also. A little scattered red oak and white pine sawlogs/poletimber in overstory, less than 10 sq. ft., that was left unharvested during the 1994 timber sale. NCP hiking trail runs along the west boundary of the stand. Adjacent to Levering Rd.																																														
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Paper Birch	2	Sapling	3																																																		
Red Oak	3	Sapling	3																																																		
37	4133 - Aspen, Mixed Pine	Sapling Well	63.5	27	Immature	N/A	BTA in transition from saps to smaller diameter poletimber. Stand received a final harvest in 1994, with everything being cut except red oak and white pine, which exists today in the overstory over the BTA regen. Some red oak in the regen.																																														
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38	4123 - Red Oak	Sawtimber Well	29.6	100	81-110	N/A	A mix of mostly red oak sawlogs/poletimber, with lesser amounts of big-toothed aspen, red maple, paper birch, and white pine. Current average BA is about 100 sq. ft. Prescribe group shelterwood treatment this YOY. North Country Pathway hiking trail runs through stand. Adjacent to seasonal county road.																																														
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39	4130 - Aspen	Sapling Poor	30.0	4	Immature	N/A	Mixed aspen/paper birch/red oak/red maple regen from 2017 final harvest. Scattered red oak sawtimber present in the overstory. Adjacent to North Country Pathway. Adjacent to cedar swamp. Significant deer numbers present, with browse damage already evident.																																														
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