



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52206

Entry Year 2019

Acreage: 1,883

County Cheboygan

Management Area: Cheboygan Lake Plain

Revision Date: 2017-04-12

Stand Examiner: John Scheele

Legal Description:

35N - 01E Sections 5, 8, and 17.

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:

With the exception of the slopes which lead down to the river corridor, this compartment is mostly flat. On the east side of the Black river, the transition from uplands to the lowlands is very steep and abrupt. On the west side of the Black River, the transition is more subtle. Often stepping down in elevation across a series of gradual ridges. Soils on the uplands are generally excessively drained sands while those within the river corridor are poorly drained mucks.

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

This compartment is entirely state-owned, with the exception of a 40 acre private parcel in the northeast corner of section 5. The lands within and surrounding the compartment are primarily used for dispersed recreation.

Unique Natural Features:

There are known occurrences of Lake sturgeon, Kidney shell, Splendid club tail, and Wood turtle in the compartment. There are a few, large diameter White and Red Pine trees located in Stands 6 and 39. No treatments are prescribed for these stands during this Year of Entry.

Archeological, Historical, and Cultural Features:

No known occurrences at this time.

Special Management Designations or Considerations:

A small portion of a Floodplain Forest ERA is in the very north portion of the compartment. There are a number of similar floodplain forest areas along the Black River to the south of Red Bridge which could be nominated for the ERA.

Watershed and Fisheries Considerations:

This compartment is in the Black River watershed, and contains a portion of the Upper Black River, below Kleber Dam. This area is important lake sturgeon spawning habitat, and is frequently used by researchers, volunteers protecting the sturgeon from poachers, and general public learning about this threatened species. As a result, this area receives a lot of use, and unfortunately, is prone to erosion. For the compartment prescriptions, a narrow buffer should be left at the top of the bluff to prevent erosion. Access should remain, however, so that researchers and volunteers have access to monitoring sites.

Wildlife Habitat Considerations:

This compartment is primarily aspen, pine, oak and wetland species associated with the Black River, which runs through the center of the compartment. This wetland complex supports various wetland species including fur-bearers, amphibians, and waterfowl. Areas with aspen and oak will be maintained in multiple age classes for diversity and benefits to wildlife. Some mature oak will be left in these treatments for mast production. Upland openings will be treated to maintain and enhance their benefits to wildlife. Featured species include wild turkey, white-tailed deer, ruffed grouse, black bear, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

This area has been leased for oil and gas exploration in the recent past as part of the Collingwood lease play. While the Collingwood has produced some hydrocarbons elsewhere, the formation has not proven to be an economically viable resource play to date. Interest in the formation has waned and all leases in the area have been released. The nearest oil and gas production, Niagaran reef trend, is located more than 10 miles to the southeast. Oil and gas potential is considered low at this time. An active limestone quarry is located just over two miles to the southeast. Bedrock (Traverse Limestone) is

near the surface (<25 feet) within the compartment and there could be limestone potential, but setbacks from the Black River and wetlands would significantly limit development potential.

Vehicle Access:

All upland portions of this compartment are easily accessible by vehicle through numerous county and state-owned roads and access routes.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The Red Bridge ORV Trail, the Midland to Mackinaw Hiking Trail, and the North East State Trail are all located within this compartment.

Fire Protection:

Most of the cover types that occupy the upland portions of this compartment are all highly volatile and could pose severe control challenges. However, many of these stands have been harvested in the past which has reduced the immediate threat.

Additional Compartment Information:

The following reports from the Inventory are attached:

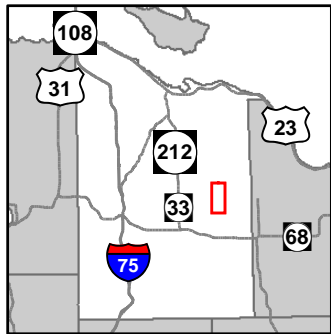
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

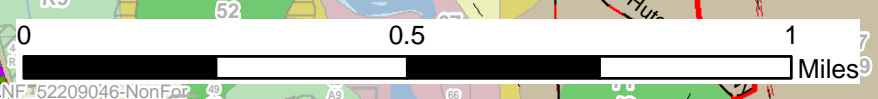
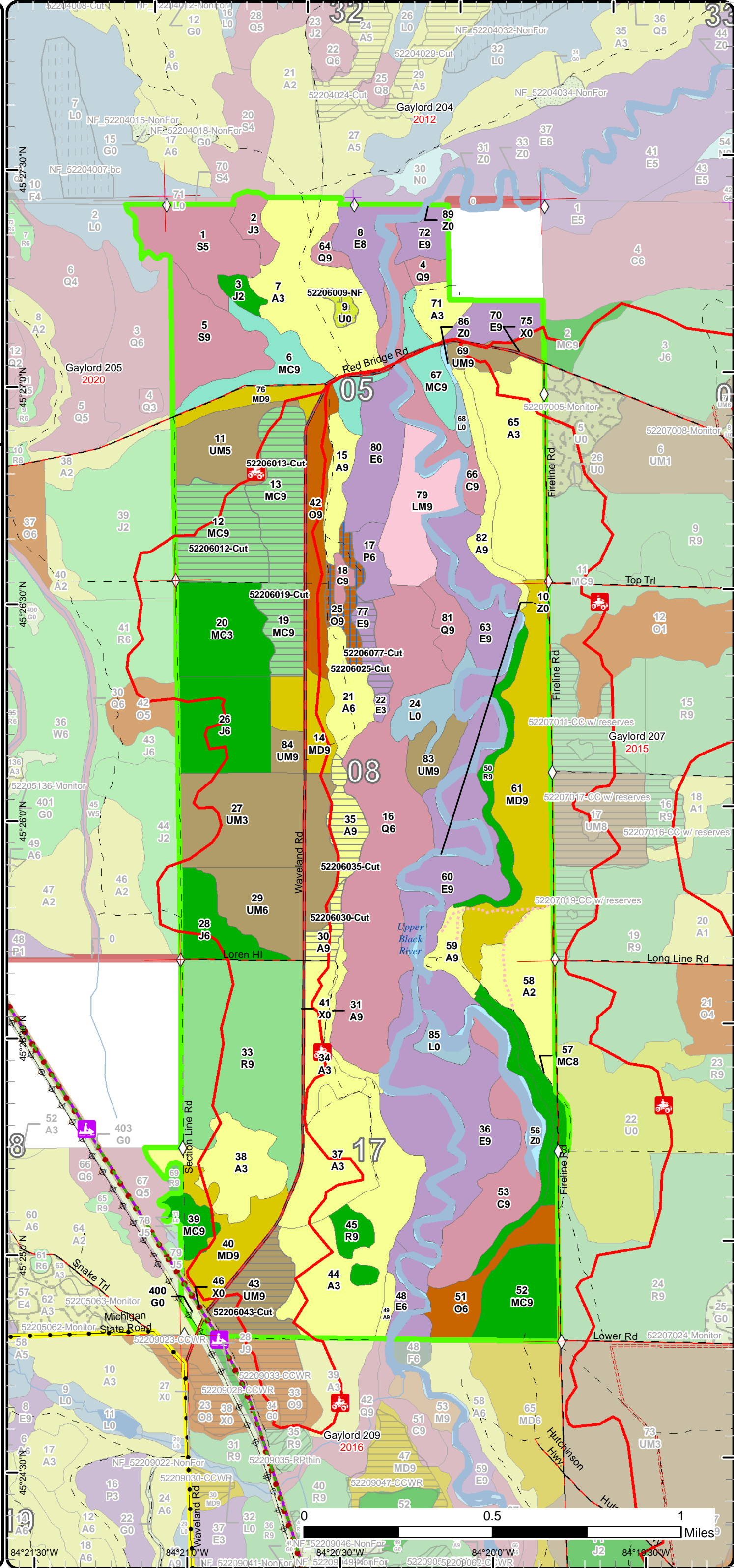
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 206
 T35N, R01E, Sec. 5, 8, 17
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2019
 Acres: 1883.1 GIS Calculated
 Examiner: John Scheele
 Map Revised: 9/13/2017
 Map Phase: Post-Review



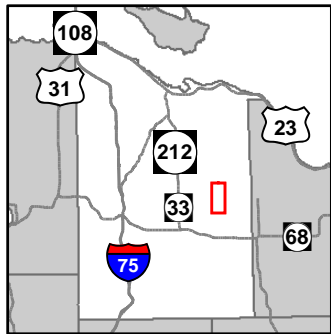
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ORV Trails
- Snowmobile Trails
- Designated Hiking Trails
- - - Designated Bicycle Trails
- Designated Equestrian Trails
- ORV License
- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Designated Railtrail
- Paved Roads
- County Gravel Roads
- - - County Poor Dirt Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes



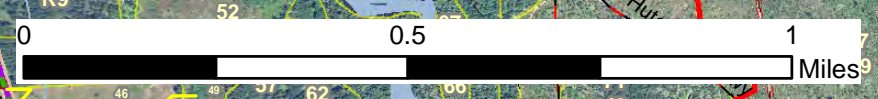
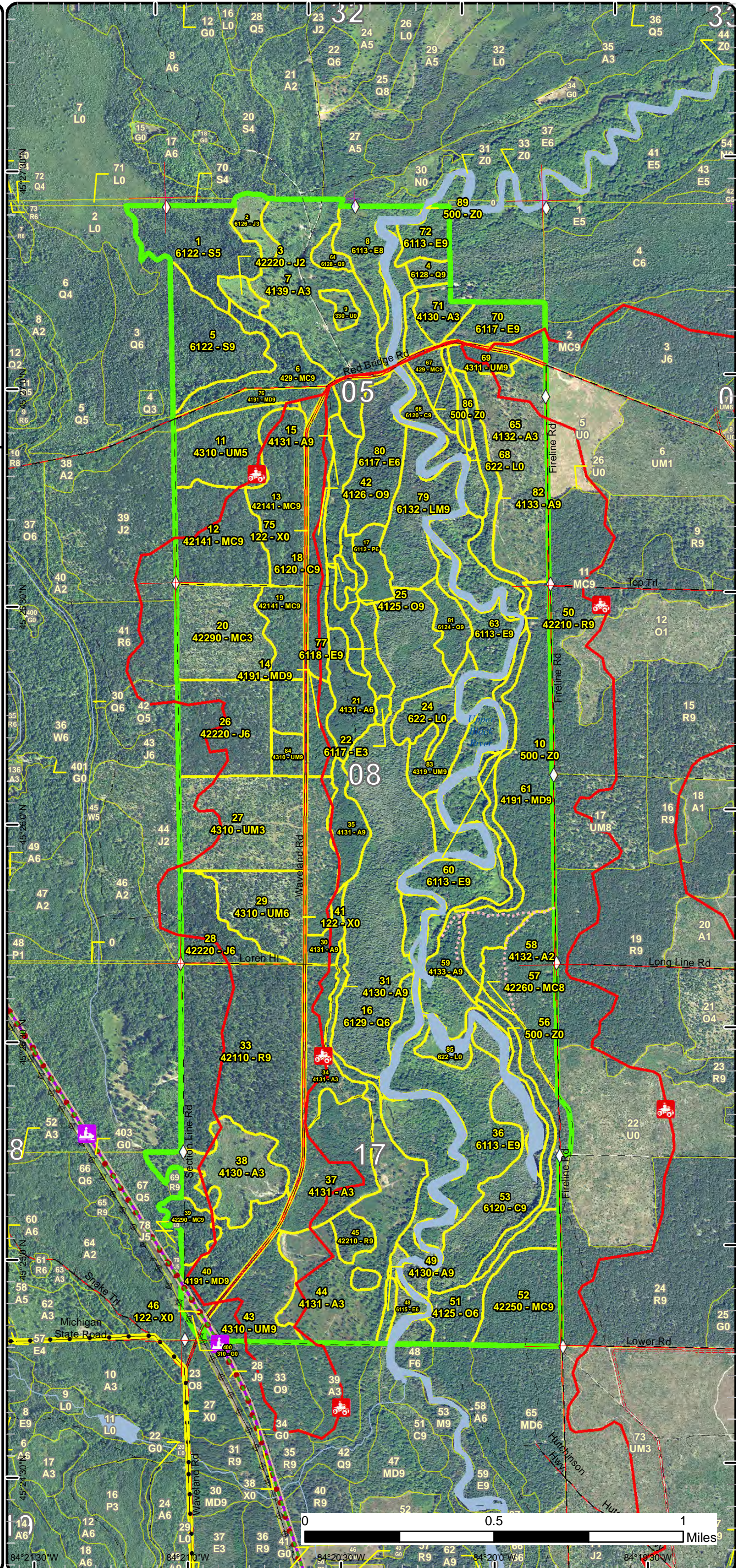
84°21'30"W 84°20'30"W 84°20'00"W 84°19'30"W
 45°27'30"N 45°26'30"N 45°25'30"N 45°24'30"N

Stand Boundary Map

Compartment: 206
 T35N, R01E, Sec. 5, 8, 17
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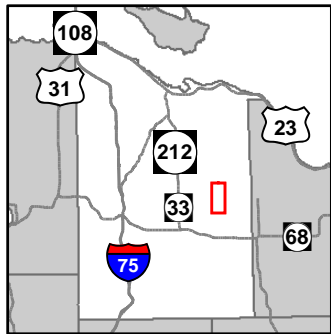


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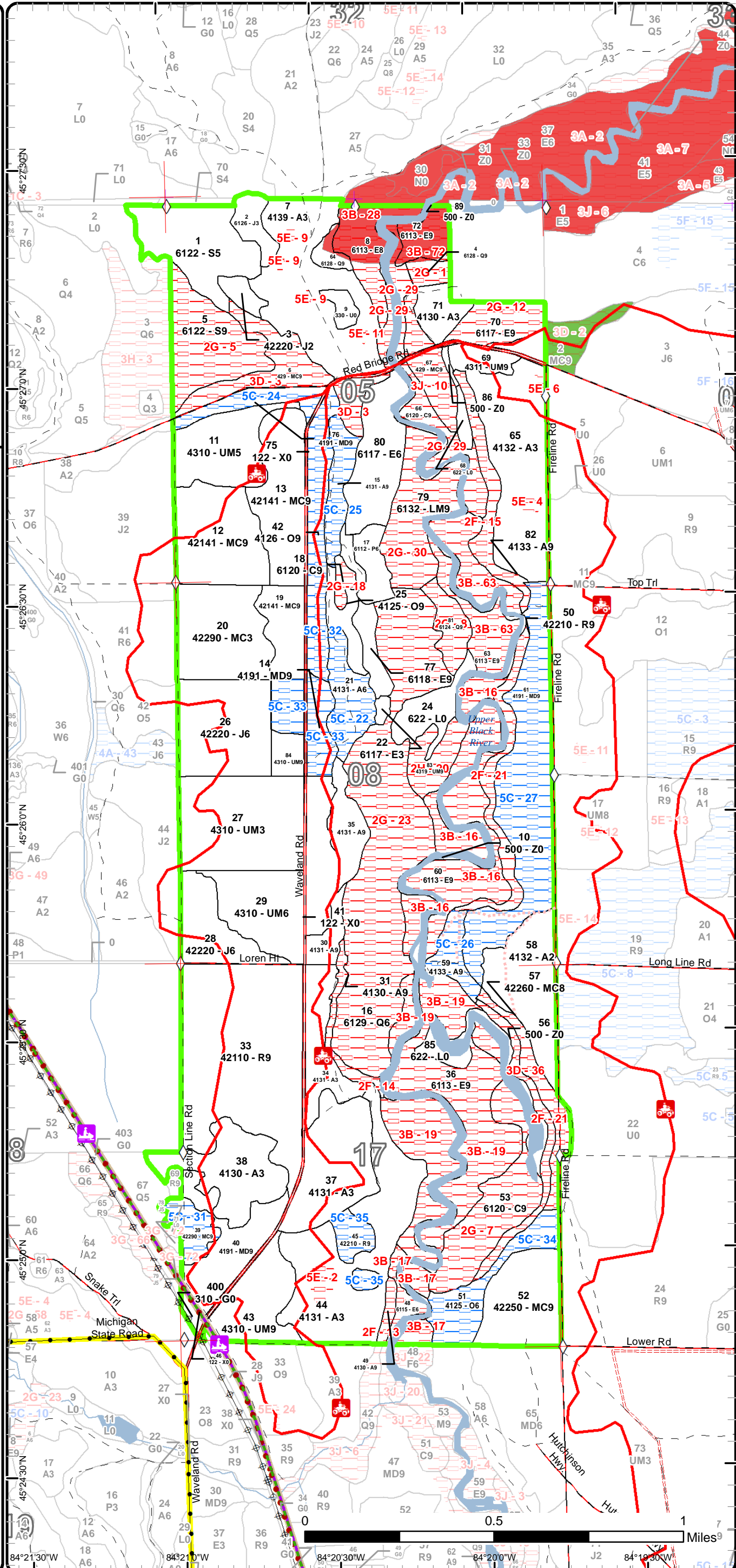


Special Conservation Areas & Site Conditions Map

Compartment: 206
 T35N, R01E, Sec. 5, 8, 17
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Lake Plain
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- County Poor Dirt Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- Verified Type 1 Old Growth





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	221	20	72	0	30	0	0	38	16	0	0	0	0	0	0	0	0	397
Cedar	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	69
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	13	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	4	0	136	0	0	0	0	0	0	0	0	140
Lowland Deciduous	0	0	0	0	2	0	0	0	30	34	0	19	0	184	0	0	0	0	268
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	36	34	0	0	0	0	0	0	0	70
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	26	19	79	0	0	0	0	0	0	0	124
Natural Mixed Pines	0	0	38	0	0	0	0	0	14	10	31	0	0	0	0	0	0	0	93
Oak	0	0	0	0	0	0	0	0	0	25	32	0	0	0	0	0	0	0	57
Planted Mixed Pines	0	0	0	0	0	0	0	34	38	16	0	0	0	0	0	0	0	0	88
Red Pine	0	0	0	0	0	0	0	0	98	9	27	0	0	0	0	0	0	0	134
Upland Conifers	0	0	0	0	0	0	0	0	0	14	28	0	0	0	0	0	0	0	42
Upland Mixed Forest	0	0	72	30	0	29	6	0	26	23	0	0	0	0	0	0	0	0	186
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Total	100	234	130	174	2	59	6	34	274	202	468	19	0	184	0	0	0	0	1885



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 206

Total Compartment Acres: 1,883

Commercial Harvest - 153
 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	20	0	0	0	0	0	0	0	0	20
Lowland Deciduous	8	0	0	0	0	0	0	0	0	8
Oak	0	0	0	11	0	0	0	0	0	11
Planted Mixed Pines	88	0	0	0	0	0	0	0	0	88
Upland Mixed Forest	26	0	0	0	0	0	0	0	0	26
Total	142	0	0	11	0	0	0	0	0	153

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	153	0	0	0	0	0	0	4	0	157
Next Step	0	144	144	0	0	144	225	0	0	656
Total	153	144	144	0	0	144	225	0	4	813



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
9	52206009-NF	4.0	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

12	52206012-Cut	37.7	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	77	111- 140	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave Red and White Oak for stand structure diversity and mast production. Cut in summer to encourage natural

Specs: regeneration. Place within stand retention close to, or to include, the ORV trail. Also, mark clumps of trees along trail for retention. Protect recreation trail during harvest. Replant to Red Pine if acceptable natural regeneration does not occur.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring,

Treatments: Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Replant

Acceptable Acceptable regeneration includes a moderate to well stocked mixture of Jack Pine, Red Pine, and deciduous species. If acceptable

Regen: regeneration does not occur, replant stand to Red Pine.

Other

Comment:

Proposed Start Date: 10/01/2018

13	52206013-Cut	34.2	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	65	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave Red and White Oak for stand structure diversity and mast production. Cut in summer to encourage natural

Specs: regeneration. Place within stand retention in the northwest part of the stand and include the ORV trail within the retention. Reroute the trail to the west if necessary. Protect recreation trail during harvest. Replant to Red Pine if acceptable natural regeneration does not occur.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring,

Treatments: Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Replant

Acceptable Acceptable regeneration includes a moderate to well stocked mixture of Jack Pine, Red Pine, and deciduous species. If acceptable

Regen: regeneration does not occur, replant stand to Red Pine.

Other

Comment:

Proposed Start Date: 10/01/2018

19	52206019-Cut	16.1	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	85	111- 140	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand. Do not cut the Red and White Oak. Also leave the scattered, large diameter pines for stand structure diversity and seed

Specs: production. Try to protect the White Pine understory when possible during harvesting operations. No other stand retention recommended due to small stand size.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of pine and oak species. If natural pine regeneration does not occur, consider

Regen: artificial regeneration to Red Pine.

Other

Comment:

Proposed Start Date: 10/01/2018



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
25	52206025-Cut	11.1	4125 - Black, N. Pin Oak	Sawtimber Well	94	81-110	Harvest	Seed Tree with Retention	4122 - Oak, Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. Leave White Oak and pine trees. Also mark some Red Oak (10 - 20 BA) to leave. No other stand retention recommended.

Specs: Included recreation trail protection and notification in timber sale specifications.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of oak sprouts and conifer species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

30	52206030-Cut	7.0	4131 - Aspen, Oak	Sawtimber Well	80	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. No within stand retention, or other retention, due to small stand size. Include ORV recreation trail protection

Specs: specifications when setting up timber sale.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked stand of aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

35	52206035-Cut	13.2	4131 - Aspen, Oak	Sawtimber Well	75	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave the Red Pine and larger oaks along the ORV trail. Also mark a few other Red Oak to leave within the stand

Specs: for mast. No other stand retention due to small stand size. Include ORV trail protection specification when setting up timber sale.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked stand of aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

43	52206043-Cut	25.6	4310 - Pine, Oak Mix	Sawtimber Well	77	111- 140	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave all White Pine and White Oak. Also mark some Red Pine to leave. MO of mixed pine and oak natural

Specs: regeneration. Protect natural regeneration and recreational trail during harvesting operations. Protect recreation trail during harvest. Place within stand retention between the NEST trail and the ORV trail.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked stand of natural oak and pines species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
77	52206077-Cut	8.0	6118 - Lowland Deciduous with Cedar	Sawtimber Well	80	Unspecified	Harvest	Clearcut	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. Do not cut the large diameter White Pine. No within stand retention due to small stand size. Cut in summer months to minimize rutting concerns. Included recreation trail protection and notification in timber sale specifications.

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

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of deciduous and conifers tree species.

Other Comment:

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed: 156.9

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 206
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		5C	2F	2G	2H	3B	3D	3J	5E
396	215	40	141	Aspen	40	24				0	0	117
69	0	0	69	Cedar			69				0	
2	2	0	0	Herbaceous Openland								
75	75	0	0	Jack Pine						0		
4	4	0	0	Low-Density Trees								
9	9	0	0	Lowland Aspen/Balsam Poplar								
150	4	0	146	Lowland Conifers			136		10			
258	39	0	218	Lowland Deciduous			15		204			
32	0	0	32	Lowland Mixed Forest			32					
22	19	0	3	Lowland Shrub					0			3
70	0	0	70	Lowland Spruce/Fir			70			0		0
124	26	98	0	Mixed Upland Deciduous	98					0		
93	69	10	14	Natural Mixed Pines	10					14		
57	11	46	0	Oak	46							
88	88	0	0	Planted Mixed Pines								
135	98	9	27	Red Pine	9	27						
42	0	0	42	Upland Conifers			0			27	14	
185	162	0	23	Upland Mixed Forest			0	12				10
16	8	0	8	Urban						8	0	
56	55	0	1	Water					0			1
1,883	886	203	793	Total Forested Acres	203	51	321	12	214	49	15	132
	47%	11%	42%	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)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 206
Year of Entry: 2019

2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3D: Recreational / Scenic values	27	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Considered for SBW Salvage but declined. Stand will be inventoried with new standards next year and can hold until then for further review. In the meantime, stand has been coded as unavailable because of OI comments regarding scenic values and road intersection.							
4	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Stand was considered for SBW Salvage but declined due to lack of intimate knowledge of stand and the fact that it will be inventoried with MiFI standards next year and can hold to make a more informed decision at that time.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 206
Year of Entry: 2019

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Stand was considered for SBW salvage but was declined at this time. This stand will be reinventoried next year and can hold until then to make an informed decision. The OI comments suggest that there is a dense fir component to the understory, but it is unknown if that is merchantable. There is concern over the small acreage and proximity between drainages.							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2F: Too steep	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: This stand is relative steep leading down to the Black River and the adjacent floodplain. There a couple seeps coming out of the hillside flowing to the river.							

Report 4 – Site Conditions

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14	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3B: Threatened, endangered, and special concern species	55	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Nominate to add to the Flood Plain Forest ERA.							
17	Unavailable	3B: Threatened, endangered, and special concern species	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Nominate to add to the Flood Plain Forest ERA.							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3B: Threatened, endangered, and special concern species	88	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Nominate to add to the Flood Plain Forest ERA.							

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20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No high ground access the this stand. Stand is surround on all sides by low ground.							
21	Unavailable	2F: Too steep	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment until next YOE with stand 15 or when aspen becomes more mature.							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sturgeon spawning monitoring site for the Sturgeon for Tomorrow volunteers. Possibly cut the east part of the stand next YOE with stand 61.							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment of this stand until next YOE due to the treatment of the stand to the east in the adjacent compartment.							
28	Unavailable	3B: Threatened, endangered, and special concern species	19	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Part of ERA Flood Plain Forest.							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: See stand comments from previous inventory.							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment of this stand until next YOE since treating stands on both east and west sides of Waveland Road.							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat stand next YOE with adjacent stands.							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Southwest part of stand is used by Sturgeon for Tomorrow for one of their camping spots during the sturgeon guard. North part of stand may be treated when Stand 52 is treated.							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was recommended to be drop at pre-review for stand age and structure diversity.							

Report 4 – Site Conditions

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Compartment: 206
Year of Entry: 2019

36	Unavailable	3D: Recreational / Scenic values	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Stand was recommended to be drop at pre-review due to current Sturgeon for Tomorrow activists and the use as a buffer to the steep slope.							
63	Unavailable	3B: Threatened, endangered, and special concern species	31	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Nominate to add to the Flood Plain Forest ERA.							
72	Unavailable	3B: Threatened, endangered, and special concern species	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	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).
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	General Comments:
1	6122 - Black Spruce	Poletimber Medium	35.6	89	Unspecified	Pockets of lowland shrubs. Many deer runways.
2	6126 - Lowland Jack Pine	Sapling Well	8.1	3	Immature	
3	42220 - Natural Jack Pine	Sapling Medium	4.7	3	Immature	Close to 50 percent canopy closure. Should be better stocked next YOE.
4	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	4.7	91	Unspecified	
5	6122 - Black Spruce	Sawtimber Well	34.3	91	Unspecified	Higher stocking than stand to the north. Heavy deer droppings along the edge of the stand.
6	429 - Mixed Upland Conifers	Sawtimber Well	27.5	95	111-140	OPIC - FMD: THIS IS AN IMPORTANT STAND FOR TRAVEL INFLUENCE DUE TO THE INTERSECTION. ANY FUTURE TREATMENTS NEED TO TAKE THIS INTO CONSIDERATION. 2017 Nice, tall White and Red Pine. Some larger DBH pine 26 - 30". Heavy deer droppings. More spruce in the north part of the stand.
7	4139 - Aspen, Mixed Deciduous	Sapling Well	58.7	3	Immature	More White Pine residual trees on the east side of the stand where the soils are wetter.
8	6113 - Lowland Maple	Sawtimber Medium	18.5	100	Unspecified	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. 2017 Variable DBH for the Red Pine from 10 - 18" Pockets of Red Maple regeneration and lowland shrubs within the center of the stand. Some beaver activity.
11	4310 - Pine, Oak Mix	Poletimber Medium	29.0	49	81-110	Close to an oak stand with a Jack Pine understory.
12	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	37.7	77	111-140	Jack Pine beginning to die as well as the aspen. BA is 130.
13	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	34.2	65	111-140	Blocks of Red Pine and Jack Pine/oak planted north to south. Red Pine DBH is between 4 - 10". White Oak has branchy crowns. White Pine is along Waveland Road. BA is 112.
14	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	18.9	85	51-80	More of an oak canopy than Stand 84. A few scattered, larger DBH oak >18" within the stand. Some nice Red Oak trees. A more open canopy with younger trees than Stand 84. Bigger sized aspen along the west boundary. The east side of Waveland Road is on an east facing slope. Recreation trail goes through the east side of the stand. BA is 80.
15	4131 - Aspen, Oak	Sawtimber Well	12.7	48	Unspecified	Stand is close to a pole-sized stand. Quaking Aspen almost dead. Pockets of sapling/pole aspen and pockets of lower density canopy along the east side of stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	120.5	91	Unspecified	Pockets of poor quality cedar with dying tops. Lots of rabbit tracks. Factor limit stand as too wet.
17	6112 - Lowland Aspen	Poletimber Well	9.5	26	Immature	OPIC - FMD: SEVERAL HABITAT CUTS TOOK PLACE IN THIS STAND DURING VARIOUS WINTERS. DIAMETERS RANGE FROM 1 - 3 INCHES. WHITE BIRCH HAS COME BACK VERY STRONG. I LOOKED FOR BUT COULD NOT FIND ANY EVIDENCE OF CEDAR ABOVE THE SNOW PACK. 2017 No comments.
18	6120 - Lowland Cedar	Sawtimber Well	3.3	91	Unspecified	Some individually larger diameter cedar and Red Maple. Many deer droppings.
19	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	16.1	85	111-140	OPIC - FMD: RED PINE PLANTED IN 1932 IS A SIGNIFICANT COMPONENT OF THIS STAND. IN TEN YEARS I WOULD LIKE TO REMOVE THE LARGE RELIC PINE ALONG WITH THE ASPEN AND SOME OF THE OAK. 2017 Decent Red Pine. A few large diameter oaks. Pockets of relic Red Pine and White Pine in north part of stand. Less Red Pine in north part of stand. BA is 126.
20	42290 - Natural Mixed Pine	Sapling Well	38.0	17	Immature	Branchy, short Jack Pine and White Pine.
21	4131 - Aspen, Oak	Poletimber Well	17.1	48	Unspecified	Some individually larger 14 - 18' DBH oaks. Close to a log stand.
22	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	1.6	38	Unspecified	OPIC - FMD: STAND WAS MOST LIKELY CUT IN 1979 AS A WINTER DEER HABITAT CUT. REGENERATION CAME BACK VERY THICK. 2017 No comments.
25	4125 - Black, N. Pin Oak	Sawtimber Well	11.1	94	81-110	Stand is located on a narrow, 20-30' high ridge. Some nice Red Oak trees with larger DBH. Should be operable if cut. No oak understory. BA is 87.
26	42220 - Natural Jack Pine	Poletimber Well	40.1	28	Immature	Open, branchy Jack Pine in pockets.
27	4310 - Pine, Oak Mix	Sapling Well	71.7	17	Immature	Poor quality aspen regeneration. More aspen regeneration on east side of Waveland Road. A few scattered 12" DBH oak trees left over from previous harvest.
28	42220 - Natural Jack Pine	Poletimber Well	21.9	28	Immature	Close to a sapling stand. Many rabbit tracks.
29	4310 - Pine, Oak Mix	Poletimber Well	29.5	28	Immature	Stand is close to sapling size and closer to 75% canopy closure. Short, branchy, open-grown pine trees. White Oak was left over fro last harvest.
30	4131 - Aspen, Oak	Sawtimber Well	7.0	80	Unspecified	This stand was not cut when adjacent stands were harvested. Large aspen and oaks of 16-18" DBH are along the east side of stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4130 - Aspen	Sawtimber Well	6.1	89	Unspecified	Short but fairly steep slope.
33	42110 - Planted Red Pine	Sawtimber Well	98.4	77	81-110	Nice, 5-6 stick tall Red Pine. Some variability DBH in the Red Pine from 8 - 14". Some pockets of Jack Pine regeneration. Some pockets of lower Red Pine BA. BA is 87.
34	4131 - Aspen, Oak	Sapling Well	19.8	17	Immature	
35	4131 - Aspen, Oak	Sawtimber Well	13.2	75	Unspecified	West side of stand is along a recreation trail with larger diameter oak and Red Pine. Eastern side of the stand has mostly nice, quality aspen. Variable DBH of 4 to 14" for the aspen. The oak is mostly in pockets.
36	6113 - Lowland Maple	Sawtimber Well	87.8	124	Unspecified	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. GREEN ASH WAS FOUND WITHIN SIMILAR STANDS ALONG THE RIVER. THIS STAND WAS PREVIOUSLY DESIGNATED AS STAND CONDITION "8" DUE TO IT'S IMPORTANCE IN PROTECTING THIS IMPORTANT LAKE STURGEON SPAWNING AREA. MNFI HAS ALSO IDENTIFIED THIS AREA ALONG THE RIVER AS IMPORTANT HABITAT FOR THE WOOD TURTLE. 2017 Beaver activity in stand. Many deer droppings and tracks. Some larger DBH Red Maple and Basswood >20".
37	4131 - Aspen, Oak	Sapling Well	37.5	26	Immature	East facing slope.
38	4130 - Aspen	Sapling Well	31.6	2	Immature	
39	42290 - Natural Mixed Pine	Sawtimber Well	9.9	82	111-140	OPIC - FMD: UNIQUE STAND FOR THIS PART OF THE COMPARTMENT. THERE IS EVEN A SMALL BOG INCLUSION WITHIN THE STAND. WOULD LIKE TO LEAVE UNDISTURBED FOR DIVERSITY SAKE. 2017 White Pine is tall and straight but branchy. Some XL-sized diameter White Pine. Diameters of White and Red Pine are variable from 5 to 16". Mixed pine stand. BA is 120.
40	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.1	77	81-110	Diameters are variable in the aspen and oak. This will most likely convert to an aspen/mix stand when cut.
42	4126 - White, Black, N. Pin Oak	Sawtimber Well	25.4	85	81-110	East facing slope with a recreation trail running through the center of the stand. Some individually larger oaks and Red Pine >16" DBH. Pockets of higher White Pine understory. Higher amount of aspen along the recreation trail in the center and south part of the stand. BA is 92.
43	4310 - Pine, Oak Mix	Sawtimber Well	25.6	77	111-140	Good oak and pine regeneration. Some large DBH oak. BA is 118.
44	4131 - Aspen, Oak	Sapling Well	65.5	2	Immature	Some beaver activity along the east side of the stand on top of the ridge leading down to the Black River.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	42210 - Natural Red Pine	Sawtimber Well	9.3	85	81-110	Some larger DBH Red Pine. BA is 107.
48	6115 - Lowland Ash	Poletimber Well	11.6	85	Unspecified	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. GREEN ASH WAS FOUND WITHIN SIMILAR STANDS ALONG THE RIVER. THIS STAND WAS PREVIOUSLY DESIGNATED AS STAND CONDITION "8" DUE TO IT'S IMPORTANCE IN PROTECTING THIS IMPORTANT LAKE STURGEON SPAWNING AREA. MNFI HAS ALSO IDENTIFIED THIS AREA ALONG THE RIVER AS IMPORTANT HABITAT FOR THE WOOD TURTLE. 2017 Ash is dying or dead from EAB. Part of the Black River flood plain.
49	4130 - Aspen	Sawtimber Well	3.1	89	Unspecified	
50	42210 - Natural Red Pine	Sawtimber Well	27.3	95	81-110	Nice, very tall Red Pine on an extreme slope down to the Black River.
51	4125 - Black, N. Pin Oak	Poletimber Well	20.9	93	81-110	OPIC - FMD: VERY LOW QUALITY STAND LYING AT THE BASE OF A RIDGE OF HIGHER GROUND TO THE EAST. WHEN HARVESTED IT WILL NEED TO BE ARTIFICIALLY REGENERATED. ATTEMPTS WERE MADE TO CLOSE OFF THE ROAD LEADING THROUGH THIS STAND BUT THEY WERE NOT VERY SUCCESSFUL. I WOULD PROPOSE THAT WE FORMALLY ABANDON THE NORTHERN SEGMENT OF THIS ROAD. THE STURGEONS FOR TOMORROW WORKERS AND THE CONSERVATION OFFICERS NEED ACCESS TO THE RIVER AT THIS POINT BUT THEY HAVE ASKED THAT THE ACCESS ONLY BE FROM THE SOUTH TO PREVENT DRIVE THROUGH TRAFFIC. ***THE PORTION OF THE ROAD NORTH OF THE STURGEON'S FOR TOMORROW SITE "C" WAS APPROVED FOR CLOSURE AT THE REVIEW***. 2017 Variable DBH for the oak species with more aspen component than the stand to the west. BA is 97.
52	42250 - Pine, Oak	Sawtimber Well	31.3	93	81-110	OPIC - FMD: QUITE A BIT OF OAK IS IN THIS STAND BUT I FEATURED THE WHITE PINE BECAUSE THIS IS WHERE I BELIEVE THE STAND IS HEADED. I BELIEVE THE OAK AND ASPEN SHOULD BE REMOVED IN TEN YEARS ALONG WITH ANY OF THE LARGE RELIC PINE. IT WILL BE IMPORTANT TO PROTECT THE ADVANCED PINE REGENERATION. I WOULD PROPOSE THAT WE FORMALLY ABANDON THE ROAD THAT LEADS THROUGH THIS STAND ALONG WITH THE NORTHERN PORTION OF THE ROAD THAT LEADS THROUGH STAND #51. ***THE ROAD PASSING THROUGH THIS STAND WAS APPROVED FOR CLOSURE AT THE REVIEW***. 2017 Mixed stand of pine and oak. Some larger DBH Red Pine, White Pine, and oak trees. BA is 90.
53	6120 - Lowland Cedar	Sawtimber Well	42.2	91	Unspecified	Pockets of cedar with dying tops, pockets of cedar blow down and pockets of bigger DBH cedar of 10-12". Variable DBH for the cedar. Many deer droppings in some areas. Factor limit as too wet and as a winter deer yarding area.
57	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	13.6	70	111-140	Variable DBH for the Red Pine from 4 - 12". Jack Pine starting to die. Small amount of beaver activity on the north end of stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	4132 - Aspen, Jack Pine	Sapling Medium	34.3	27	Immature	Close to a pole-sized stand.
59	4133 - Aspen, Mixed Pine	Sawtimber Well	9.7	70	Unspecified	OPIC - FMD: THIS STAND HAS EITHER BEEN DISTURBED IN THE PAST OR ELSE IT WAS AN OPENING THAT IS SLOWLY FILLING IN. ADVANCED ASPEN AND MAPLE REGENERATION IS MIXED IN WITH MATURE STEMS. WHEN STAND #61 IS HARVESTED THIS COULD BE INCLUDED IF DESIRED TO SET EVERYTHING BACK TO ONE AGE CLASS. ***THE ROAD PASSING THROUGH THIS STAND WAS APPROVED FOR CLOSURE AT THE REVIEW. CLOSE THAT PORTION UP TO THE INTERSECTION WITH THE ROAD LEADING DOWN TO THE OLD SAWMILL SITE ALONG THE RIVER***. 2017 Some old relic Red Pine 18 - 22" DBH. Pocket of P/L aspen in center of the stand. Eastern part of the stand can be harvested when Stand 61 is prescribed.
60	6113 - Lowland Maple	Sawtimber Well	55.3	124	51-80	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. GREEN ASH WAS FOUND WITHIN SIMILAR STANDS ALONG THE RIVER. THIS STAND WAS PREVIOUSLY DESIGNATED AS STAND CONDITION "8" DUE TO IT'S IMPORTANCE IN PROTECTING THIS IMPORTANT LAKE STURGEON SPAWNING AREA. MNFI HAS ALSO IDENTIFIED THIS AREA ALONG THE RIVER AS IMPORTANT HABITAT FOR THE WOOD TURTLE.
61	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	68.3	90	81-110	OPIC - FMD: STAND IS VERY SIMILAR TO STAND #65 TO THE NORTH EXCEPT THAT THIS STAND HAS A SIGNIFICANT COMPONENT OF RED PINE THAT WAS PLANTED IN 1941. FOR THIS REASON I WOULD SUGGEST MANAGING STAND #65 THIS Y.O.E. WHEN THIS STAND IS TREATED I WOULD SUGGEST A HARVEST THAT LEAVES ALL RED PINE AND WHITE PINE AS WELL AS SELECTED OAK. ***THE ROAD PASSING THROUGH THE NORTHERN PORTION OF THIS STAND WAS APPROVED FOR CLOSURE AT THE REVIEW. KEEP THE SOUTHERN PORTION OF THE ROAD OPEN LEADING DOWN TO THE OLD SAWMILL SITE ALONG THE RIVER***. 2017 Variable DBH for Red Pine from 4 - 12". Jack Pine dying out and some pockets of smaller DBH aspen.
63	6113 - Lowland Maple	Sawtimber Well	30.7	124	51-80	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. GREEN ASH WAS FOUND WITHIN SIMILAR STANDS ALONG THE RIVER. THIS STAND WAS PREVIOUSLY DESIGNATED AS STAND CONDITION "8" DUE TO IT'S IMPORTANCE IN PROTECTING THIS IMPORTANT LAKE STURGEON SPAWNING AREA. MNFI HAS ALSO IDENTIFIED THIS AREA ALONG THE RIVER AS IMPORTANT HABITAT FOR THE WOOD TURTLE. 2017 Variable DBH of Red Maple from 5 to 20 inches. Ash is dying or dead from EAB.
64	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	4.0	70	Unspecified	Poor quality cedar and Balsam Fir with dying tops.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	4132 - Aspen, Jack Pine	Sapling Well	55.1	5	Immature	2017 (Left the following comments for historical value.) OPIC - FMD: THIS STAND IS SIMILAR TO STAND #61 ADJACENT TO THE SOUTH. THIS STAND THOUGH HAS VERY LITTLE RED PINE YET IT HAS A BIT MORE ASPEN. I WOULD LIKE TO TREAT THIS STAND NOW AND LEAVE STAND #61 FOR TEN YEARS. THE OAK IS EXTREMELY LOW QUALITY SO IT SHOULD BE CUT TO ENCOURAGE SOME STUMP SPROUTING. I WOULD EXPECT MOST AREAS WILL COME BACK FAIRLY WELL TO A MIX OF NATURAL ASPEN AND OAK SPROUTING ALONG WITH SOME PINE REGENERATION. RATHER THAN LEAVE SCATTERED RESIDUAL, I WOULD PREFER LEAVING UNCUT RETENTION ISLANDS. WE WOULD LIKE TO OBLITERATE THE ROAD ON THE WEST SIDE OF THE STAND AS PART OF THE HARVEST OPERATIONS. REQUIRE THE PRODUCER TO LEAVE STUMPS, TOPS AND OTHER DEBRIS IN THE ROAD BED. ***THE ROAD CLOSURE WAS APPROVED AT THE REVIEW***
66	6120 - Lowland Cedar	Sawtimber Well	23.2	91	Unspecified	This stand is lower than Stand 67 to the north and east. Some larger diameter cedar (20" DBH) along the banks of the river and some scattered, larger diameter White Pine (24" DBH). Some ash poles but most likely dead from EAB. Lots of deer tracks and droppings.
67	429 - Mixed Upland Conifers	Sawtimber Well	14.3	82	81-110	2017 Very nice, tall White Pine. Some greater than 24 inch DBH White pine within the stand. Higher aspen component on west side of stand with some dying out. Some of the White Spruce are breaking about and falling over. Very thick Balsam Fir sapling understory. Unique, natural conifer stand. BA is 83. OPIC - FMD: STAND LIES WITHIN THE RIVER CORRIDOR ZONE BUT IT IS JUST SLIGHTLY HIGHER IN ELEVATION THAN THE ADJACENT LOWLAND TYPES.
69	4311 - Pine, Aspen Mix	Sawtimber Well	10.7	84	81-110	OPIC - FMD: STAND IS SIMILAR TO THE ADJACENT STAND #65 EXCEPT FOR THE WHITE PINE COMPONENT IN THIS STAND. WE DECIDED TO NOT TREAT THIS STAND DUE TO THE LARGE HARVEST ADJACENT TO THE SOUTH AND ALSO FOR THE PROTECTION OF THE TRAVEL INFLUENCE ZONE. 2017 A few scattered larger DBH oaks within the stand. 2 ORV trails run through the south portion of the stand and 1 trail in the north part of the stand.
70	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	14.5	80	Unspecified	2017 Aspen dying out.
71	4130 - Aspen	Sapling Well	9.8	3	Immature	
72	6113 - Lowland Maple	Sawtimber Well	10.2	124	Unspecified	OPIC - FMD: THE STAND OCCUPIES THE FLOOD PLAIN ADJACENT TO THE BLACK RIVER. THE STAND IS FLOODED FOR LONG PERIODS OF THE YEAR. GREEN ASH WAS FOUND WITHIN SIMILAR STANDS ALONG THE RIVER. 2017 Variable DBH for Red Maple.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	11.1	90	81-110	OPIC - FMD: STAND HAD A HABITAT IMPROVEMENT CUT IN 1968. THE RESULT WAS A FAIRLY WELL STOCKED STAND OF ASPEN REGENERATION. A LOT OF OAK WAS LEFT DURING THE HARVEST AND THERE IS ENOUGH SO THAT IT MUST BE CONSIDERED THE FEATURED STAND. EVENTUALLY THE YOUNGER ASPEN SHOULD DOMINATE. 2017 North facing slope. More aspen on the west and east side of the stand. Delay treatment until the aspen becomes more mature.
77	6118 - Lowland Deciduous with Cedar	Sawtimber Well	8.0	80	Unspecified	Transition stand between upland and lowland. Balsam Fir is blowing over and the larger birch is dying out. Should not be too wet if cutting in the summer with the right equipment.
79	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	31.8	91	Unspecified	Few scattered large DBH aspen. Variable DBH in Balsam Fir. Older spruce and aspen are dying or are dead. Pockets of sapling/pole regeneration. Pockets of lower ground dominated by Black Ash saplings/poles along the river's bank. Heavy ash tree death by EAB. Factor limit stand as too wet.
80	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	29.5	70	Unspecified	Some log sized Balsam Fir, Red Maple, and Quaking Aspen on the higher ground. The larger aspen is over mature. May be too wet to operate in. Cutting the stand would raise the water table and may prolong regeneration of the stand.
81	6124 - Lowland Spruce-Fir	Sawtimber Well	10.5	91	Unspecified	Relatively short Northern White Cedar. Found an old metal tag on a Balsam Fir tree in the very south part of stand. Number on the tag read 90-506-3528, STA 460-1 3'E. Factor Limit as too wet.
82	4133 - Aspen, Mixed Pine	Sawtimber Well	14.6	70	Unspecified	Factor limit stand as too steep.
83	4319 - Mixed Upland Forest	Sawtimber Well	12.2	80	1-50	High ground surrounded by low ground. Factor limit stand.
84	4310 - Pine, Oak Mix	Sawtimber Well	6.3	53	51-80	Variable DBH for the Red Pine of 4 - 12". Pine is growing OK. Some larger DBH oaks. BA is 83.



Stand	Cover Type	Acres	Managed Site	General Comments:
9	330 - Low-Density Trees	4.0	No	
10	500 - Water	41.1	No	
24	622 - Lowland Shrub	13.1	No	
41	122 - Road/Parking Lot	6.9	No	
46	122 - Road/Parking Lot	1.3	No	
56	500 - Water	8.6	No	OPIC - FMD: THIS IS AN OLD RIVER OXBOW. DOES NOT APPEAR TO BE FLOWING WATER.
68	622 - Lowland Shrub	2.9	No	
75	122 - Road/Parking Lot	8.2	No	
85	622 - Lowland Shrub	5.8	No	
86	500 - Water	1.0	No	
89	500 - Water	5.6	No	
400	310 - Herbaceous Openland	2.2	No	