



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52184

Entry Year 2020

Acreage: 1,482

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2018-02-28

Stand Examiner: Hilary Wells

Legal Description:

T35N, R01W Sections 34, 35, 36

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental, and economic benefit for the State of Michigan.

Soil and topography:

A steep ridge runs north to south through Sec. 35. The remaining upland areas of the compartment are situated on rolling topography. There are large lowland types occupying broad flats bisected by streams. Soils in the upland include...
Soils in the lowland include...

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

There are no private in-holdings within this compartment.

Unique Natural Features:

An eagle's nest, Stony Creek, and Milligan Creek are all within this compartment.

Archeological, Historical, and Cultural Features:

With the exception of some logging era railroad grades, no additional historical features were identified.

Special Management Designations or Considerations:

Look for any changes to the Eagle nest or additional nesting locations and adjust management activities as necessary.

Watershed and Fisheries Considerations:

This compartment contains portions of Stoney Creek flooding, Stoney Creek, and Milligan Creek. Milligan Creek is a designated trout stream with Type 1 trout regulations. A minimum buffer (no final harvest) of 300 feet should be maintained along Stoney Creek and Milligan Creek.

Wildlife Habitat Considerations:

This area supports various wildlife species including deer, grouse, bear, bobcat, eagles, woodcock, and snowshoe hare. The southern end of the Stoney Creek flooding lies in the north end of Sec. 34 which supports various waterfowl and amphibious species. The cedar stand in Sec 34 also support wintering deer. Past aspen harvest have been conducted to maintain age class diversity in early successional species and mast trees have been left. There are also many maintained wildlife openings.

Mineral Resource and Development Concerns and/or Restrictions

The state-owned Hogsback Pit, which is currently leased to Rieth-Riley, is located just south of the compartment, and there is good sand & gravel potential in the compartment. The Hogsback Pit is developed on an esker, which can be traced north across Section 35 in the compartment. The segment of the Midland to Mackinaw Trail here is built upon this glacial feature. Sand & gravel may be limited in other parts of the compartment, away from the esker, due to shallow bedrock. Two limestone quarries (Afton and M-68) are located approximately three miles to the west. Limestone potential beneath the compartment appears to be good. There has been no oil and gas exploration or development in this area and potential is limited. There is currently no active mineral leasing.

Vehicle Access:

Most upland portions of this compartment are easily accessible via numerous roads that lead off of M-68. Some isolated pockets are inaccessible, however, due to surrounding wetlands.

Survey Needs:

A significant trespass has occurred on state owned land in the SW of section 36.

Recreational Facilities and Opportunities:

The north spur of the Shore-to-Shore Trail and the Midland to Mackinaw hiking trail both pass through the central portion of this compartment.

Fire Protection:

The upland portions of this compartment are generally aspen and northern hardwood stands that do not pose significant control challenges.

Additional Compartment Information:

There are scattered pockets of recovering wind damage in sections 35 and 36 from a tornado in 2007.

The following reports from the Inventory are attached:

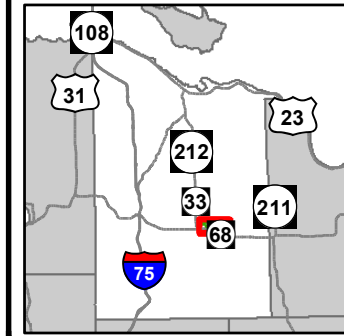
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

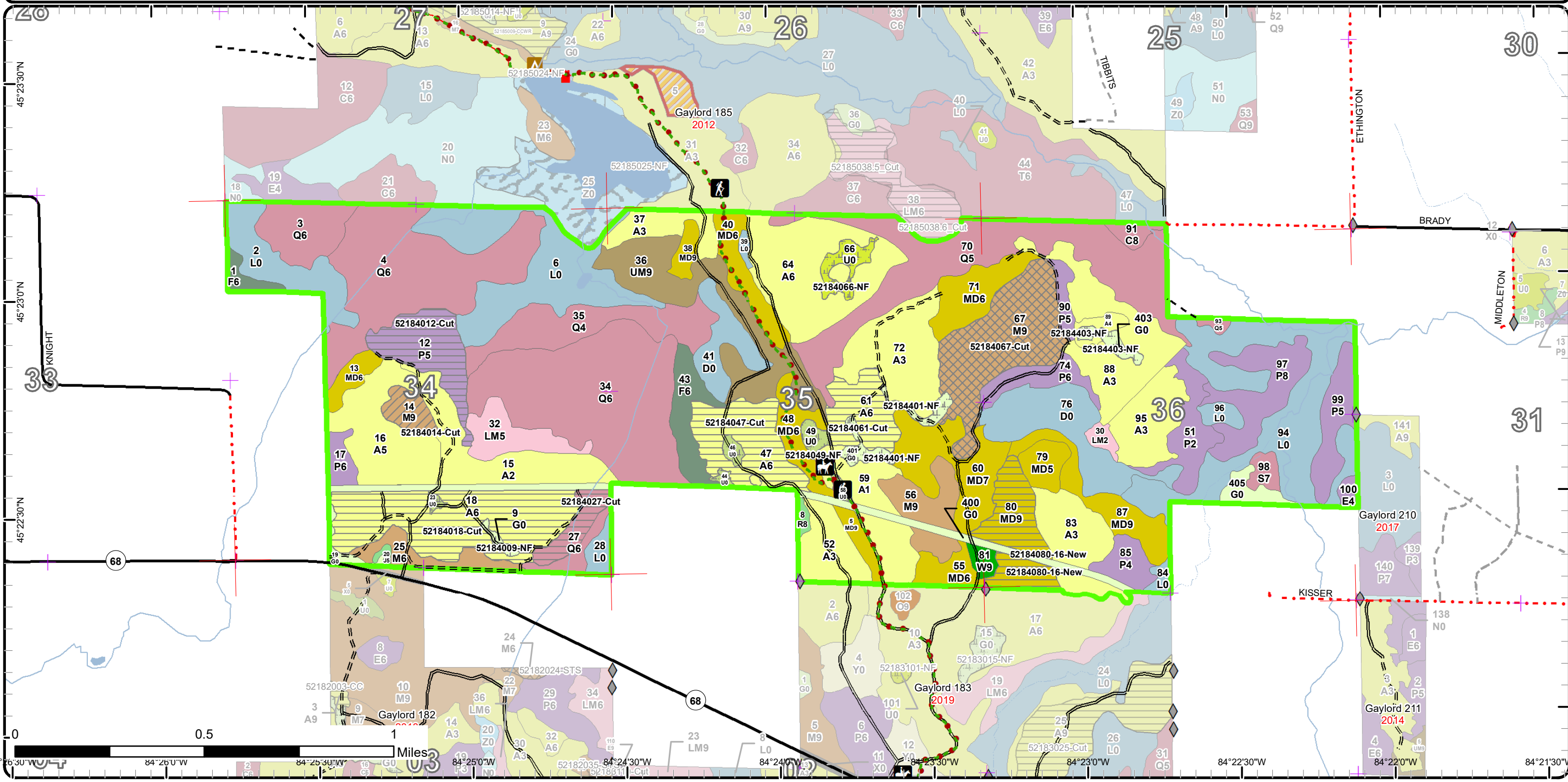
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 184
 T35N, R01W, Sec. 34-36
 T34N, R01W, Sec. 1
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
 Acres: 1,483 GIS Calculated
 Examiner: Hilary Wells
 Map Revised: 10/1/2018
 Map Phase: Post-Review

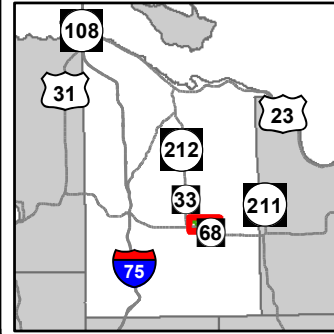


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚶 Hiking Trails
- 🐎 Horse Trails
- - - Designated Hiking Trails
- Designated Equestrian Trails
- ▲ Campground
- 🏠 Structures
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers All
- Perennial River
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes

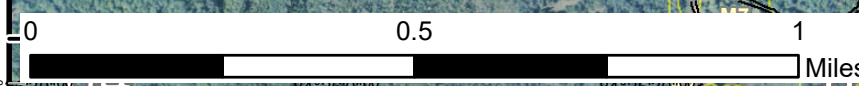
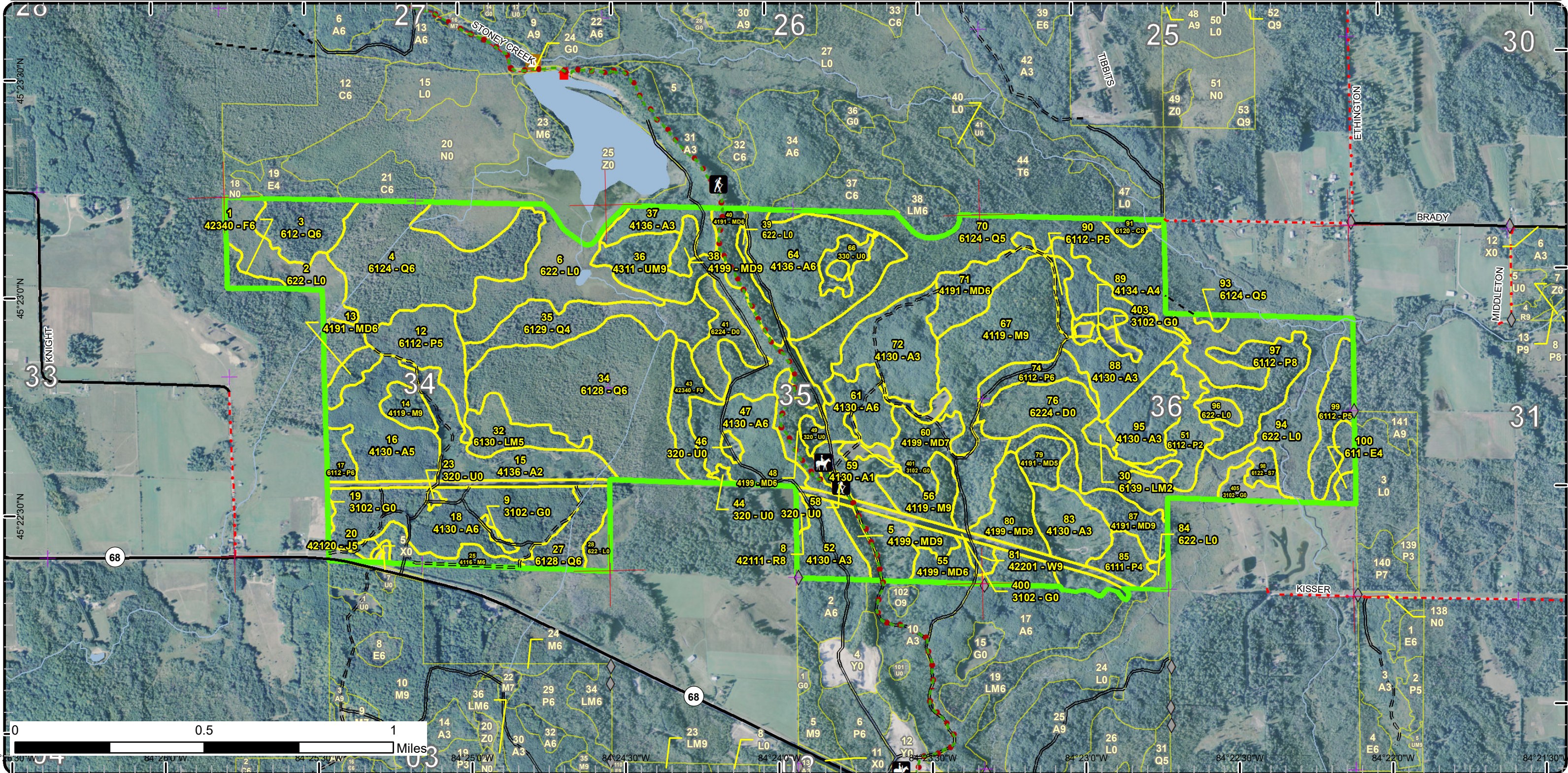


Stand Boundary Map

Compartment: 184
 T35N, R01W, Sec. 34-36
 T34N, R01W, Sec. 1
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
 Acres: 1,483 GIS Calculated
 Examiner: Hilary Wells
 Map Revised: 10/1/2018
 Map Phase: Post-Review



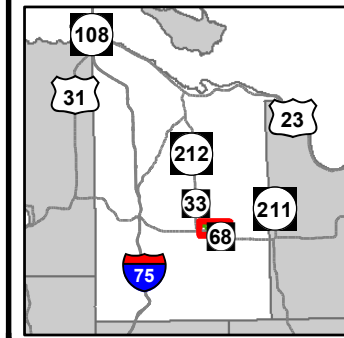
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚶 Hiking Trails
- 🐎 Horse Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- ▲ Campground
- 🏠 Structures
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous



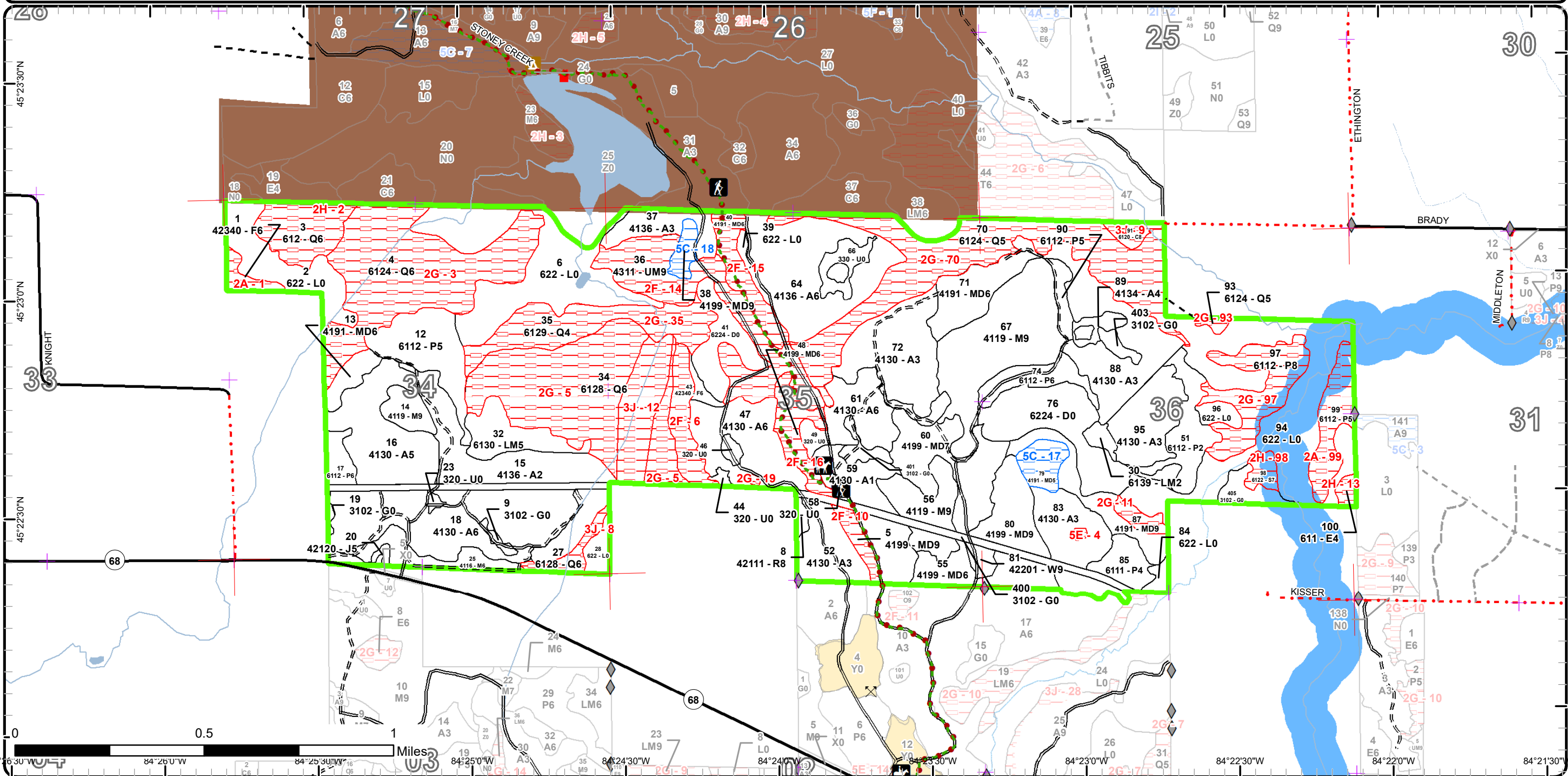
84°25'30"W
84°25'00"W
84°24'30"W
84°24'00"W
84°23'30"W
84°23'00"W
84°22'30"W
84°22'00"W
84°21'30"W

Special Conservation Areas & Site Conditions Map

Compartment: 184
 T35N, R01W, Sec. 34-36
 T34N, R01W, Sec. 1
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
 Acres: 1,483 GIS Calculated
 Examiner: Hilary Wells
 Map Revised: 10/1/2018
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Horse Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Campground
- Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Wildlife Management Areas
- Sand or Gravel Pit
- 2A: Adjacent landowner denied access
- 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)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention



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	82	39	92	197	0	0	0	0	0	0	0	0	0	0	0	0	0	410
Cedar	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Herbaceous Openland	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Jack Pine	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	18	5	31	20	0	0	17	0	0	27	0	0	0	0	0	0	118
Lowland Conifers	0	0	0	0	0	0	0	84	99	113	34	0	0	0	0	0	0	0	329
Lowland Deciduous	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Lowland Mixed Forest	0	0	3	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Shrub	171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	171
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	9	0	20	24	62	39	0	0	0	0	0	0	0	0	154
Northern Hardwood	0	0	0	0	0	0	0	18	12	59	0	0	0	0	0	0	0	0	89
Red Pine	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Treed Bog	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	46
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Spruce/Fir	0	0	0	0	0	0	16	0	5	0	0	0	0	0	0	0	0	0	21
White Pine	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Total	280	82	60	97	253	20	37	129	201	218	80	27	0	0	0	0	0	0	1483



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 184

Total Compartment Acres: 1,482

Commercial Harvest - 229
 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	109	0	0	0	0	0	0	0	0	109
Lowland Aspen/Balsam Poplar	25	0	0	0	0	0	0	0	0	25
Lowland Conifers	10	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	26	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	51	0	0	8	0	0	0	0	59
Total	170	51	0	0	8	0	0	0	0	229

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	229	0	0	0	0	0	0	29	0	257
Next Step	0	0	0	0	0	221	0	0	0	221
Total	229	0	0	0	0	221	0	29	0	478



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	52184009-NF	1.6	3102 - Grass	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

12	52184012-Cut	25.1	6112 - Lowland Aspen	Poletimber Medium	37	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary
----	--------------	------	-------------------------	----------------------	----	-------	---------	----------------------------	-------------------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees 2 inches at DBH and up. Only harvest in dry summer or frozen ground conditions. Focus retention along the wetlands to the east. Include habitat improvement specs.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

A moderately stocked aspen stand with a component of lowland conifers.

Regen:

Other

Road to the south on the edge of the powerline corridor will need to be reopened at time of harvest.

Comment:

Proposed Start Date: 10/1 /2019

14	52184014-Cut	7.7	4119 - Mixed Northern Hardwoods	Sawtimber Well	81	111- 140	Harvest	Crown Thinning	411 - Northern Hardwood	Two-Aged	Draft Field Boundary
----	--------------	-----	------------------------------------	-------------------	----	-------------	---------	----------------	----------------------------	----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Thin stand to 80 BA following marking standards.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Road will need to be opened to the south along the powerline corridor for access.

Comment:

Proposed Start Date: 10/1 /2019

18	52184018-Cut	60.4	4130 - Aspen	Poletimber Well	37	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
----	--------------	------	--------------	--------------------	----	--------	---------	----------------------------	-------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all trees 2 inches and up. Follow standard retention guidelines. Leave oak. Include grouse specs.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

A fully stocked aspen stand with scattered northern hardwood species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



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
23	52184023-NF	1.0	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

27	52184027-Cut	9.5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	88	81-110	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
----	--------------	-----	--	--------------------	----	--------	---------	----------------------------	---	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Clearcut all trees 2 inches and up. Ensure buffer along the creek meets the required distance. Add hare habitat improvement specs.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A moderately stocked stand of lowland conifers with components of aspen, red maple, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

44	52184044-NF	1.2	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
----	-------------	-----	--------------------	------------	--	-----------------	--------------	-----------------	---------------------------------	--	-------------------------

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Use recreational trail specs to protect trail.

Comment:

Proposed Start Date: 10/1 /2019

46	52184046-NF	2.0	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
----	-------------	-----	--------------------	------------	--	-----------------	--------------	-----------------	---------------------------------	--	-------------------------

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Use recreational trail specs to protect trail.

Comment:

Proposed Start Date: 10/1 /2019



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
47	52184047-Cut	30.1	4130 - Aspen	Poletimber Well	36	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest all trees 2 inches and up. Follow standard retention and focus it around the wet area to the north. Leave oak. Include grouse specs.
Specs:

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

Acceptable A fully stocked aspen stand with scattered northern hardwoods species.
Regen:

Other Use recreational trail specs to protect trail.
Comment:

Proposed Start Date: 10/1 /2019

49	52184049-NF	3.1	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
----	-------------	-----	--------------------	------------	--	--------------	--------------	-----------------	---------------------------	--	----------------------

Habitat Cut: No**Site Condition:**

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

Next Step
Treatments:

Acceptable
Regen:

Other Use recreational trail specs to protect trail.
Comment:

Proposed Start Date: 10/1 /2019

58	52184058-NF	1.4	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
----	-------------	-----	--------------------	------------	--	--------------	--------------	-----------------	---------------------------	--	----------------------

Habitat Cut: No**Site Condition:**

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

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

61	52184061-Cut	18.7	4130 - Aspen	Poletimber Well	36	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
----	--------------	------	--------------	-----------------	----	--------	---------	-------------------------	-------------	-----------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all trees 2 inches and up. Follow standard retention guidelines. Leave oak. Include grouse specs.
Specs:

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

Acceptable A fully stocked aspen stand.
Regen:

Other Use recreational trail specs to protect trail.
Comment:

Proposed Start Date: 10/1 /2019



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
66	52184066-NF	6.9	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

67	52184067-Cut	51.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	82	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
----	--------------	------	------------------------------------	-------------------	----	-------------	---------	--------------------------	----------------------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Single tree and small group selection. Regeneration gaps should target areas of aspen clones, should be no more than 5 acres each, and cover no more than 20% of the total stand. Target residual basal area of 80 sq ft/ acre. Remove all ash and beech with the exception of marking one beech to leave every 1-2 acres for mast.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mixture of northern hardwood species representative of the parent stand that meets minimum stocking requirements.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

80	52184080-16- New	26.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	80	111- 140	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary
----	---------------------	------	--	-------------------	----	-------------	---------	----------------------------	--	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Clearcut all trees 2 inches at DBH and up. Mark clumps of 2-3 oak to leave every 2-3 acres. Include grouse specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A fully stocked mixture of northern hardwood species including maple, basswood, oak, and aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

401	52184401-NF	7.7	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
-----	-------------	-----	--------------	------------	--	-----------------	--------------	-----------------	---------------------------------	--	-------------------------

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Use recreational trail specs to protect trail.

Comment:

Proposed Start Date: 10/1 /2019



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
403	52184403-NF	3.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 257.3**

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 184
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
410	409	0	1
4	0	0	4
42	42	0	0
1	1	0	0
7	7	0	0
118	74	0	43
329	10	0	319
3	0	0	3
19	19	0	0
171	171	0	0
4	0	0	4
155	106	13	36
89	89	0	0
2	2	0	0
51	51	0	0
46	0	0	46
9	9	0	0
20	2	0	18
3	3	0	0
1,482	994	13	475
	67%	1%	32%

Dominant Site Conditions

	Availability for Management			Dominant Site Conditions							
	Acres Available	Acres Available With Condition	Acres Not Available	5C	2A	2F	2G	2H	3J	5E	
410	409	0	1	Aspen			0	0			1
4	0	0	4	Cedar						4	
42	42	0	0	Herbaceous Openland							
1	1	0	0	Jack Pine							
7	7	0	0	Low-Density Trees							
118	74	0	43	Lowland Aspen/Balsam Poplar		17		27			
329	10	0	319	Lowland Conifers			0	271	21	28	
3	0	0	3	Lowland Deciduous					3		
19	19	0	0	Lowland Mixed Forest				0			
171	171	0	0	Lowland Shrub		0					
4	0	0	4	Lowland Spruce/Fir					4		
155	106	13	36	Mixed Upland Deciduous	13		32	4			
89	89	0	0	Northern Hardwood							
2	2	0	0	Red Pine							
51	51	0	0	Treed Bog							
46	0	0	46	Upland Mixed Forest			46	0			
9	9	0	0	Upland Shrub							
20	2	0	18	Upland Spruce/Fir		5	13				
3	3	0	0	White Pine							
1,482	994	13	475	Total Forested Acres	13	21	91	302	28	32	1
	67%	1%	32%	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	2A: Adjacent landowner denied access	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 184
Year of Entry: 2020

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	21	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Considered for SBW Salvage. Determined to be inaccessible based on previous inventory comments.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	75	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	13	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Steep slope down toward lowland and Stoney Creek. Should be protected.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 184
Year of Entry: 2020

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW Salvage but declined due to river, BMPs, access issues, and the need for further reconnaissance regarding operability of the area.							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2F: Too steep	46	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 184
Year of Entry: 2020

15	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 184
Year of Entry: 2020

70	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	82	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							
93	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
97	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
Comments: Was left unmanaged in the past per fisheries request.							
98	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
99	Unavailable	2A: Adjacent landowner denied access	17	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: Adjacent private property owners have repeatedly denied access in the past.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42340 - Upland Spruce/Fir	Poletimber Well	4.6	79	81-110	OPIC - FMD: THIS STAND WOULD ONLY BE ACCESSIBLE ACROSS PRIVATE PROPERTY EITHER FROM THE SOUTH OR FROM THE WEST. 2017-Stand is only accessible through private and access has been denied multiple times in the past.
3	612 - Lowland Coniferous Forest	Poletimber Well	20.8	79	81-110	OPIC - FMD: THIS STAND IS TOTALLY INACCESSIBLE. IT IS SURROUNDED BY MARSHLAND 2017-Stand is surrounded by water and inaccessible.
4	6124 - Lowland Spruce-Fir	Poletimber Well	77.7	78	81-110	2018-Large swamp complex with variable soil moistures and stand densities. Very wet/ spongy ground in most of the stand. A few pockets of standing dead and quite a bit of blown down throughout the entirety of the stand. Hardwoods are stunted and very low quality. A small portion of the stand was harvested and is regenerating very slowly. Some ground may be operable is done in frozen conditions and with little to no equipment. Extra care should be taken since this stand is nestled between two creeks that occasionally flood. OPIC - FMD: THIS IS A FAIRLY NICE STAND OF CEDAR - MUCH NICER THAN STAND #34 FURTHER TO THE EAST. THE WEST EDGE HAS SOME HARDWOOD MIXED IN. THE WEST EDGE HAS ALSO EXPERIENCED SOME RECENT BLOW DOWN ALONG THE BORDER OF STAND #2.
5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	5.2	82	81-110	2018-A steep slope. A lot of standing dead ash. Horse trail runs through/adjacent to this stand.
8	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	1.7	79	81-110	2018-Random strips of red pine adjacent to a bog. Tag alder along the perimeter of the bog.
12	6112 - Lowland Aspen	Poletimber Medium	25.1	37	51-80	2018-Very squishy ground. Low volume. Hold another cycle before harvest to help diversify age classes and let it grow a bit more. OPIC - FMD: THIS STAND WAS CUT IN THE WINTER OF 1980 - 1981. THIS STAND IS QUITE MOIST WITH OBVIOUS RUTS REMAINING FROM THE HARVEST OPERATION. QUITE A LOT OF FIR WAS LEFT AS RESIDUAL DURING THE HARVEST ESPECIALLY ALONG THE EASTERN EDGE OF THE STAND. THE REGEN IS DOING GOOD BUT NOT AS WELL AS THE ADJACENT STAND #16 WHICH WAS ALSO CUT AT ABOUT THE SAME TIME.
13	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.6	55	51-80	2018-Low volume and quality stand. Some blow down and standing dead. Stand was probably left to protect slope when adjacent aspen was harvested. Does not warrant a harvest now either. OPIC - FMD: THIS STAND LIES ON A NORTHWEST FACING SIDE HILL THAT LEADS DOWN TO ADAIR CREEK. DO NOT MANAGED THIS STAND AS IT SERVES TO PROTECT THE SLOPE.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	4119 - Mixed Northern Hardwoods	Sawtimber Well	7.7	81	111-140	<p>2018-Quite a bit of low quality BW and beech. Stand may benefit from a thinning, but getting desirable regen would be difficult since there's already a significant amount of beech regen. I would also not cut the aspen so it continues to fall out of the stand.</p> <p>OPIC - FMD: NICE LITTLE POCKET OF LOW DENSITY NORTHERN HARDWOOD POLETIMBER. IT IS NOT GREAT QUALITY BUT IT SHOULD STILL BE SELECTIVELY MANAGED. NO TREATMENT IS WARRANTED THOUGH AT THE CURRENT TIME.</p>
15	4136 - Aspen, Mixed Conifer	Sapling Medium	32.2	5	Immature	<p>2018-Stand was harvested in 2015. Regenerating quite nicely. Some residual trees were blown down. OPIC - FMD: RECORDS INDICATE THAT THIS STAND WAS PROBABLY CUT IN 1968 - 1970. IF SO A LOT OF RESIDUAL MUST HAVE BEEN LEFT AS THERE IS SCATTERED MATURE ASPEN, FIR AND PINE ALL THROUGHOUT. I WOULD LIKE TO CUT IT NOW IN ORDER TO ESTABLISH ANOTHER ASPEN AGE CLASS. REGEN SHOULD COME BACK WELL TO A MIXTURE OF ASPEN, MAPLE AND FIR.</p> <p>***RETENTION - I WOULD RECOMMEND LEAVING NO RETENTION DUE TO THE SMALL OVERALL ACREAGE AND THE NARROW ORIENTATION OF THE STAND***. Stand harvested as part of Stoney Creek Aspen 52-118-10-01.</p>
16	4130 - Aspen	Poletimber Medium	36.2	36	51-80	<p>2018-Almost a pure QA stand. Rolling topography. Balsam in the under story is along mostly along the edge of stand 17. Hold another cycle.</p> <p>OPIC - FMD: THIS STAND WAS CUT IN 1981 - 1982. THIS IS DEFINITELY AN UPLAND STAND AS COMPARED TO STAND #17 TO THE WEST WHICH IS QUITE DAMP. THIS IS VERY NICE REGEN WITH DIAMETERS AVERAGING 3 - 6 INCHES.</p>
17	6112 - Lowland Aspen	Poletimber Well	5.9	36	51-80	<p>2018-Wetter than adjacent stand 16 and taking a little bit more time to regenerate. Hold another 10 years and harvest again with stand 16.</p> <p>OPIC - FMD: THIS STAND WAS CUT IN 1981 - 1982 ALONG WITH THE ADJACENT STAND #16. THIS PORTION OF THE SALE AREA, HOWEVER, WAS DEFINITELY WETTER. FIR AND EVEN LOWLAND BRUSH SPECIES ARE SCATTERED THROUGHOUT. DIAMETER GROWTH RATES ARE NOT AS GOOD AS IN STAND #16.</p>
18	4130 - Aspen	Poletimber Well	60.4	37	81-110	<p>2018-Nice quality aspen with marginal quality, clumpy hardwood component. Rolling topography. Heavy to fir and spruce in understory along the edge of 27. OPIC - FMD: THIS STAND WAS CUT IN 1980 - 1981 ALONG WITH THE STANDS NORTH OF THE POWER LINE. THIS IS VERY NICE REGEN WITH DIAMETERS AVERAGING 2 - 6 INCHES. HARDWOOD REGEN IS MIXED IN THROUGHOUT THE STAND.</p>
20	42120 - Planted Jack Pine	Poletimber Medium	1.1	56	1-50	<p>2018-Low quality. No real change since last YOЕ according to the notes.</p> <p>OPIC - FMD: THIS PINE WAS PLANTED IN 1962 IN AN ATTEMPT TO RECLAIM AN OLD BORROW PIT THAT WAS USED FOR HIGHWAY CONSTRUCTION. IT IS NOT GREAT QUALITY BUT IT HAS CERTAINLY STABILIZED THE SITE.</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	11.7	70	81-110	<p>2018-Decent quality hardwoods. Most of the ash is dead or close to it. Should be managed as a hardwood stand, but I'm concerned about cutting it and having it just convert to all aspen like stand 18 to the north.</p> <p>OPIC - FMD: THIS IS GENERALLY LOW QUALITY NORTHERN HARDWOOD WITH ASPEN MIXED THROUGHOUT. IT WAS OBVIOUSLY INTENTIONALLY LEFT WHEN STAND #18 WAS CUT, MOST LIKELY AS A TRAVEL INFLUENCE BUFFER. AS SUCH IT SHOULD NOW BE MANAGED FOR NORTHERN HARDWOODS INSTEAD OF ASPEN. OVERALL STAND DENSITY IS STILL TOO LOW THOUGH TO WARRANT A THINNING.</p>
27	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.3	88	81-110	<p>2018-One small pocket of white pine within stand. Quite a bit of blow down. Western edge may be operable.</p> <p>OPIC - FMD: THIS STAND CONTINUES TO THE NORTH OF THE POWERLINE AS STAND #34. THIS IS NOT GREAT QUALITY CEDAR. SOME PATCH BLOWDOWN HAS OCCURRED.</p>
30	6139 - Mixed Lowland Forest	Sapling Medium	3.0	16	Immature	<p>2018-Used to be part of 93 and was harvested at the same time. There is trace WO and NWC. A clump of log sized tamarack close to stand 76.</p>
32	6130 - Fir, Aspen, Maple	Poletimber Medium	15.6	30	1-50	<p>2018-Quite a bit of snowshoe hare activity. Opens up in some areas almost like a treed bog. Manage as habitat. OPIC - FMD: THIS REGENERATION RESULTED FROM WINTER CUTS THAT WERE CONDUCTED IN THE MID TO LATE 1980'S. SOME OF THIS HAS COME BACK QUITE WELL TO SWAMP HARDWOOD REGEN. SWAMP CONIFERS ARE ALSO MIXED IN AS IS TAG ALDER. MOST OF THE HARDWOOD IS ABOUT 2 - 3 INCHES IN DIAMETER.</p>
34	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	97.4	82	51-80	<p>2018-Low quality/stunted poles. Very wet areas. A wall of thick tag alder in some areas. Stoney Creek runs through the stand.</p> <p>OPIC - FMD: THE QUALITY OF THE CEDAR IN THIS STAND IS NOT VERY GOOD. FAIRLY SHORT TREE HEIGHTS WITH QUITE A BIT OF TAG ALDER.</p>
35	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	33.9	95	51-80	<p>2018-Surprising amount of white pine. A lot of standing dead timber. Understory is pretty much a wall of tag alder and ground is extremely wet. Areas of leatherleaf and blueberry.</p> <p>OPIC - FMD: THIS STAND HAS EXPERIENCED CONSIDERABLE MORTALITY DUE MOST LIKELY TO REPEATED PAST FLOODING. MOST OF THE DEAD TIMBER IS STILL STANDING. TAG ALDER IS COMING IN PRETTY THICK.</p>
36	4311 - Pine, Aspen Mix	Sawtimber Well	46.3	91	111-140	<p>2018-Very nice, variable composition. Natural pine is mostly in log class with NW area is most XL log size. The majority of this stand is on a very steep, west facing slope with trails and the top and bottom of the slope. This stand would not be worth harvesting after slopes and trails are buffered so I recommend leaving it as is. **SEE LOCKED COMMENTS**OPIC - FMD: THIS IS A VERY NICE STAND OF MATURING RED AND WHITE PINE. MOST OF THE STAND IS SITUATED ON THE LOWER SLOPES OF ADJACENT UPLANDS. THERE IS NOT ENOUGH BASAL AREA TO WARRANT A THINNING AT THIS TIME. FIR AND WHITE PINE ARE COMING IN UNDERNEATH QUITE WELL. ***SEE LOCKED COMMENTS***</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	4136 - Aspen, Mixed Conifer	Sapling Well	13.2	16	Immature	2018-Thick pockets of fir and spruce. Super canopy WP, RP, and RO that were left after harvest. Rolling topography. Regeneration looks very good. **SEE LOCKED COMMENTS** OPIC - FMD: THIS STAND WAS CUT IN THE WINTER OF 2002. RED PINE, WHITE PINE AND OAK WERE LEFT. THE HEAVIEST AREAS OF RESIDUAL WERE ALONG THE SOUTH EDGES OF BOTH LOBES OF THE HARVEST AREA. SOME OF THESE AREAS WERE IN ESSENCE THINNINGS SO THESE TRANSITIONAL AREAS WERE INCORPORATED INTO NORTHERN PORTIONS OF THE ADJOINING STAND #36. THE HARDWOOD REGEN IS COMING IN QUITE SLOWLY. MOST OF THE STEMS ARE STILL ONLY 1 INCH IN DIAMETER. ***SEE LOCKED COMMENTS***
38	4199 - Other Mixed Upland Deciduous	Sawtimber Well	4.9	65	111-140	2018-Standing dead ash. Stand is low quality. BA is there, but it should've been clearcut with adjacent aspen stand. I see no reason for selection harvest. **SEE LOCKED COMMENTS** OPIC - FMD: THIS IS A STAND OF MODERATE QUALITY NORTHERN HARDWOODS. BASSWOOD IS WELL REPRESENTED. NOT ENOUGH BASAL AREA HERE YET TO WARRANT A SELECTIVE HARVEST. THE WEST EDGE OF THE STAND EXPERIENCED SOME WIND THROW MOST LIKELY DUE TO THE 2007 TORNADO. ***SEE LOCKED COMMENTS***
40	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	13.8	55	111-140	2018-Pockets of PB poles. Not a great quality stand and slope is inoperable on this side of the ridge. OPIC - FMD: THIS STAND OCCUPIES A STEEP RIDGE. THE QUALITY OF THE TIMBER VARIES DEPENDING ON THE EXPOSURE. ASPEN IS PRESENT BUT IS NOT WELL DISPERSED. I WOULD PREFER TO MANAGE THIS LONGTERM FOR NORTHERN HARDWOODS. THINNING ON THESE SLOPES WILL NOT BE EASY THOUGH. THE HORSE TRAIL RUNS ALONG THE SPINE OF THE RIDGE.
43	42340 - Upland Spruce/Fir	Poletimber Well	15.5	55	51-80	2018-Steep slope down to stand 34. Heavy blow down. Minor hardwood component is low quality and clumpy. Leave this stand to protect the slope and adjacent lowlands. OPIC - FMD: THIS STAND LIES ON A WEST FACING SLOPE THAT LEADS DOWN TO ADJACENT WETLANDS. THIS STAND SHOULD BE LEFT UNMANAGED IN ORDER TO PROTECT THE SLOPE.
47	4130 - Aspen	Poletimber Well	30.5	36	51-80	2018-Decent quality with a large fir component. Red maple is clumpy. OPIC - FMD: THIS STAND WAS CUT IN 1981 - 1982. THIS IS NICE REGEN BUT NOT QUITE THE SAME QUALITY AS STAND #61 FUTHER TO THE EAST. THE NORTHWEST CORNER OF THIS STAND HAS QUITE A BIT OF FIR MIXED IN ALONG THE EDGES OF STANDS #42 AND #43.
48	4199 - Other Mixed Upland Deciduous	Poletimber Well	12.5	79	81-110	2018-Unique hardwoods stand with a very heavy white pine component. Along very steep ridge with the horse trail running along the top of it. OPIC - FMD: THIS STAND OCCUPIES A STEEP RIDGE. IT IS VERY SIMILAR TO STAND # 40 FURTHER TO THE NORTH. SOME SLOPES WOULD BE VERY DIFFICULT TO HARVEST. THIS IS A NORTHERN HARDWOOD STAND BUT ONLY OF MODERATE QUALITY. THE HORSE TRAIL RUNS DOWN THE SPINE OF THE RIDGE.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	6112 - Lowland Aspen	Sapling Medium	17.6	15	Immature	OPIC - FMD: THIS STAND WAS CUT IN THE WINTER OF 2002. SOME AREAS ARE DOING WELL BUT OTHERS CLOSER TO THE ADJACENT LOWLANDS ARE STRUGGLING SOMEWHAT. FIR IS ALSO SEEDING IN SO THIS WILL BECOME A MIXED STAND. THE BEST ASPEN IS AVERAGING ABOUT 10 - 15 FEET TALL. 2018-A few residual RM, BF, and XO in canopy. Almost nonforested shrub-low-density trees. Single NWC.
52	4130 - Aspen	Sapling Well	18.3	25	Immature	2018-This is was definitely harvested in the last 30 years, but I couldn't find any record of it in old notes or timber sale contracts. They cut part way up the hill and stopped, and left a handful of the mature oak. It is almost into pole class in some areas. A lot of the oak that was left was knocked over in the 2007 tornado that effected a lot of this compartment.
55	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.8	39	1-50	OPIC - FMD: THIS STAND WAS CUT DURING 1977 - 1979. THE REGEN IS VARIABLE RANGING FROM VERY NICE ASPEN TO PURE HARDWOOD STUMP SPROUTS. IN MY ESTIMATION THE HARDWOOD IS MORE PREVALENT. OAK WAS LEFT AS RESIDUAL DURING THE HARVEST AND IS SCATTERED THROUGHOUT THE STAND. 2018-Scattered oak logs. Dominated by oak saps and poles. Very nice advanced oak regen. Pockets of IW. Very unique stand for this area.
56	4119 - Mixed Northern Hardwoods	Sawtimber Well	18.3	65	81-110	OPIC - FMD: THIS IS DECENT QUALITY NORTHERN HARDWOOD BUT IT DOES NOT HAVE ENOUGH STOCKING YET TO WARRANT A THINNING. SOME SCATTERED BLOWDOWN OCCURRED IN THE 2007 TORNADO. THIS STAND CONTINUES TO THE NORTH OF THE POWERLINE AS STAND #57. 2018-Hardwoods low quality, but oak is nice. Quit a bit of standing dead ash. Thick pickets of beech saps. Portion of stand north of the powerline is a bit nicer. Scattered MASSIVE
59	4130 - Aspen	Sapling Poor	24.7	6	Immature	2018-Scattered oak and pine logs were left during harvest. Regenerating very well. Quite a bit of oak stump sprouts, but all are browsed. OPIC - FMD: ASPEN IS WELL REPRESENTED IN THIS STAND ALTHOUGH HARDWOODS ALSO COMPRISE QUITE A BIT OF THE OVERALL BASAL AREA. THE HARDWOOD IS GENERALLY POOR QUALITY SO I WOULD RECOMMEND FINAL HARVESTING TO MANAGE FOR ASPEN. THE RESULTING REGEN WILL BE A MIX OF ASPEN AND HARDWOOD SIMILAR TO STAND #55. THIS STAND CONTINUES TO THE SOUTH OF THE POWERLINE AS STAND #53. ***RETENTION - LEAVE A FEW SMALL ISLANDS BUT DO NOT LEAVE ANY NEAR THE POWERLINE THAT COULD CREATE A FUTURE WINDTHROW HAZARD. WHERE PRESENT, MARK SCATTERED INDIVIDUAL OAK TO LEAVE IN ADDITION TO THE ISLANDS. LEAVE THE STEEP SLOPES ON THE WEST SIDE OF THE STAND AS PART OF THE RETENTION***. Stand harvested as part of Stoney Creek Aspen 52-118-10-01.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4199 - Other Mixed Upland Deciduous	Sawtimber Poor	31.4	76	51-80	OPIC - FMD: THIS IS QUITE AN OPEN STAND BUT THERE IS MERCHANTABLE TIMBER SCATTERED THROUGHOUT. THERE ARE ALSO AREAS WHERE MAPLE REGEN IS COMING IN FAIRLY HEAVY. MY ASSUMPTION IS THAT THIS WAS AN OPENING THAT IS SLOWLY FILLING IN. THE SOUTHEASTERLY LOBE OF THE STAND HAD QUITE A BIT OF BLOWDOWN FROM THE 2007 TORNADO. 2018-This stand has a highly variable composition. Stand look like it may want to convert to an oak savannah-look at soil types to determine future management. Old orange paint in the northeast must be leftover from nearby habitat cut. Hilly in some spots, but operable.
61	4130 - Aspen	Poletimber Well	18.7	36	81-110	OPIC - FMD: THIS STAND WAS CUT IN 1981 - 1982. THE REGEN IS VERY NICE WITH DIAMETERS RANGING FROM 2 - 7 INCHES. 2018-Blanket aspen stand with scattered pine. Could be cut with stand 47, or held to even out age classes.
64	4136 - Aspen, Mixed Conifer	Poletimber Well	51.1	36	81-110	2018-Stand in very goo shape and ready to be harvested again. Decent advanced oak regen that should be protected. NE slopes down toward stand 70 and there was one lone NWC on the edge. OPIC - FMD: THIS STAND WAS CUT IN 1982 ALONG WITH SEVERAL ADJACENT STANDS. THIS PORTION OF THE HARVEST CAME BACK VERY NICE WITH DIAMETERS RUNNING 3 - 7 INCHES.
67	4119 - Mixed Northern Hardwoods	Sawtimber Well	51.0	82	111-140	Stand is on a hill. Standing dead ash. Quite a few doubles and triples. Mature BTA is starting to fall out of the stand. Areas heavy to basswood and beech.
70	6124 - Lowland Spruce- Fir	Poletimber Medium	82.6	65	1-50	OPIC - FMD: IN GENERAL THIS IS A SPARSE SWAMP CONIFER STAND WITH A VERY DENSE TAG ALDER UNDERSTORY. 2018-A lot of standing dead. Very wet in certain areas, especially in the NE. Scattered super canopy white pine. Understory is very thick.
71	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	18.1	70	51-80	2018-A lot of dead ash and elm saplings. Steep slope down to stand 70. Areas thick with balsam regen. Pine is branchy and open grown. Slope would make it difficult to harvest and may violate BMP management guidelines so it would be best to leave this stand alone. OPIC - FMD: THIS STAND LIES ON A FAIRLY STEEP NORTH FACING SIDE HILL. PRIMARILY IT IS COMPOSED OF RED MAPLE AND WHITE BIRCH WITH A HEAVY FIR UNDERSTORY. I CAN SEE NO BENEFIT FROM MANAGING THIS STAND IN THE FUTURE.
72	4130 - Aspen	Sapling Well	34.9	27	1-50	2018-Just starting to transition into pole stand. Some area still immature. Quite a few standing dead ash saplings. Thick pockets of paper birch in understory near stand 70 and trace spruce. OPIC - FMD: THIS STAND WAS CUT IN 1990 - 1991. REGEN IS COMING ALONG PRETTY NICE WITH DIAMETERS RUNNING 1 - 2 INCHES.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	6112 - Lowland Aspen	Poletimber Well	11.3	44	1-50	OPIC - FMD: THIS STAND WAS MANUALLY CUT FOR HABITAT IMPROVEMENT IN 1973. THE REGEN IS GROWING VERY WELL AND HAS NOW REACHED MERCHANTABLE SIZE CLASS. THE SOUTH PORTION ALONG THE EDGE OF STAND #76 HAS QUITE A LOT OF FIR MIXED IN. A 2007 TORNADO CREATED A LOT OF WIND DAMAGE IN THIS STAND. THE WORST AREA OF BLOW DOWN WAS DELINEATED AS STAND #75.2018-Quite heavy to fir on the south side as it transitions into the thicker lowland stand. A lot of blowover and it was pretty much thinned naturally by the tornado that went through. Maintain stand as is for habitat.
79	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	8.4	80	1-50	OPIC - FMD: THIS IS A PATCHY SEMI-OPEN STAND WITH SCATTERED TIMBER THROUGHOUT. HARDWOOD REGEN IS SLOWLY FILLING IN WITH A VERY NOTICABLE AMOUNT OF OAK REGEN ALSO PRESENT. 2018-Heavy balsam regen. Very nice advanced oak regen. Red maple is clumpy and low quality.
80	4199 - Other Mixed Upland Deciduous	Sawtimber Well	26.1	80	111-140	OPIC - FMD: THIS IS A MIXED STAND OF GENERALLY LOW QUALITY HARDWOODS. THE STAND OCCUPIES A RIDGE BUT IT IS NOT SO STEEP THAT IT WOULD BE INOPERABLE. THERE IS VERY LITTLE ASPEN IN THIS STAND SO I WOULD PREFER TO LET IT DEVELOP NATURALLY UNTIL THERE IS ENOUGH BASAL AREA TO WARRANT A THINNING. THE STAND EXTENDS SOUTH OF THE POWERLINE AS STAND #82.2018-Slight ridgetop. I wouldn't recommend thinning just yet, but if we do measures will need to be taken to address heavy beech brush.
81	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.3	85	51-80	OPIC - FMD: THIS IS A DISTINCT ISLAND OF LOW QUALITY WHITE PINE. CERTAINLY THERE IS NO NEED TO MANAGE THIS STAND. MANY OF THE PINE APPEAR TO HAVE BEEN WEEVILED IN THE PAST. 2018-Large, low quality. Isolated pocket that should be left unmanaged.
83	4130 - Aspen	Sapling Well	25.0	5	Immature	OPIC - FMD: THIS IS A NICE STAND OF ASPEN THAT SHOULD BE CUT SOON. IT LIES ADJACENT TO A HARDWOOD RIDGE TO THE WEST AND IT SHOULD REGENERATE VERY WELL TO A MIX OF ASPEN AND RED MAPLE. THE STAND EXTENDS TO THE NORTH OF THE POWERLINE AS STAND #86. WHEN SETTING UP THIS STAND EXPLORE THE POSSIBILITY OF EXPANDING THE SALE AREA INTO STAND #82 IF MANAGEABLE AMOUNTS OF ASPEN EXIST IN THAT STAND. ***RETENTION - LEAVE SMALL ISLANDS BUT DO NOT LEAVE ANY NEAR THE POWERLINE THAT COULD CREATE A FUTURE WINDTHROW HAZARD***. Stand harvested as part of Stoney Creek Aspen 52-118-10-01. 2018-Less than 10 BA of residual stems. Small retention pocket in the middle of the stand. Ground is damp to the E/NE.
85	6111 - Lowland Balsam Poplar	Poletimber Poor	9.3	44	51-80	OPIC - FMD: THIS IS A STAND OF TAG ALDER WITH SCATTERED LOW QUALITY ASPEN AND BLACK ASH. 2018-A single YB in this stand and trace oak on the edge of the powerline.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
87	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	19.4	63	51-80	<p>OPIC - FMD: THIS IS A TRANSITIONAL STAND THAT IS DRY. ALTHOUGH THERE IS AN ASPEN COMPONENT IN THE STAND I WOULD PREFER NOT TO CUT IT. I WOULD NOT WANT TO ENCOURAGE NEW ASPEN REGENERATION DUE TO THE STAND'S PROXIMITY TO AN OLD BEAVER FLOODING. I BELIEVE THAT FISHERIES DIVISION WOULD PREFER THAT THIS STAND BE ALLOWED TO CONVERT TO A SWAMP CONIFER STAND.</p> <p>2018-Primarily occupies a hillside that is steep in some spots. Some pockets of blowdown. Some wet spots in the E where it flattens out. Pocket of natural RP (BA 180). A few scattered stumps with basal scars. Interesting stand structure. It was either selectively harvested or burned ~65 years ago.</p>
88	4130 - Aspen	Sapling Well	38.5	25	Immature	<p>OPIC - FMD: THIS STAND WAS CUT IN 1992 - 1993. THE REGEN IS DOING VERY GOOD WITH DIAMETERS RANGING FROM 2 - 4 INCHES. FOR THE MOST PART THIS IS A DRY STAND.</p> <p>2018-On the cusp of being a pole class stand. A lot of areas heavy to 4" saps. Areas of varying diversity and composition.</p>
89	4134 - Aspen, Spruce/Fir	Poletimber Poor	3.9	15	51-80	<p>OPIC - FMD: THIS STAND WAS NOT CUT WHEN THE ADJACENT STAND #88 WAS. MOST LIKELY IT WAS LEFT TO BUFFER THE WILDLIFE OPENING. UNFORTUNATELY A LOT OF THE RESIDUAL TREES BLEW DOWN DURING THE 2007 TORNADO.</p> <p>2018-Mostly a young QA stand recovering from tornado damage,</p>
90	6112 - Lowland Aspen	Poletimber Medium	4.9	26	1-50	<p>OPIC - FMD: THIS STAND WAS CUT IN 1992 - 1993 ALONG WITH THE ADJACENT STAND #88. THIS AREA THOUGH WAS APPARENTLY HEAVY TO HARDWOOD AS THERE IS VERY LITTLE ASPEN REGEN PRESENT. FIR WAS ALSO OBVIOUSLY LEFT AS RESIDUAL IN THIS PORTION OF THE HARVEST AREA.</p> <p>2018-Low quality RM and BF stand. RM is very clumpy. Scattered log sized BF left after harvest are starting to die out.</p>
91	6120 - Lowland Cedar	Sawtimber Medium	4.2	88	51-80	<p>OPIC - FMD: THIS IS NOT A VERY DENSE STAND. THE SOUTHERN EDGE RECEIVED SOME WIND DAMAGE DUE TO THE 2007 TORNADO. STONEY CREEK FLOWS THROUGH THIS STAND.</p> <p>2018-isolated stand of cedar with quite a bit of blow down. There is standing dead elm and ash adjacent to this stand.</p>
93	6124 - Lowland Spruce- Fir	Poletimber Medium	1.6	67	111-140	<p>OPIC - FMD: THIS STAND LIES ON THE NORTH SIDE OF AN OLD ABANDONED RAILROAD GRADE. THE STAND IS ESSENTIALLY INACCESSIBLE FOR MANAGEMENT PURPOSES.</p> <p>2018-Thick BF blowdown in the E. Low stocking. Still inaccessible for management.</p>
95	4130 - Aspen	Sapling Well	22.1	16	Immature	<p>OPIC - FMD: THIS STAND WAS CUT IN THE WINTER OF 2002. SOME AREAS ARE DOING WELL BUT OTHERS CLOSER TO THE ADJACENT LOWLANDS ARE STRUGGLING SOMEWHAT. FIR IS ALSO SEEDING IN SO THIS WILL BECOME A MIXED STAND. THE BEST ASPEN IS AVERAGING ABOUT 10 - 15 FEET TALL.</p> <p>2018-Illegal blind in the N. BTA is quickly converging on pole dominated. About 75% canopy cover due to access and skid trails. A lot saps are heavily browsed. Lone RP sap on a skid trail. A few wetter pockets.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
97	6112 - Lowland Aspen	Sawtimber Medium	26.7	108	51-80	<p>2018-Pileated woodpecker present. Very large stumps with fire scars. A lot of BF woody debris in the northern portion of the stand. Paper birch is falling out of the stand. There was no evidence of SBW in the residual stems. Wet pockets and drainages throughout the stand which are dominated by alder/nannyberry. Railroad grade intersects the stand.</p> <p>OPIC - FMD: THIS STAND MIGHT BE MANAGABLE ALTHOUGH ACCESS WOULD BE DIFFICULT. SINCE THIS STAND WAS NOT CUT WHEN THE ADJACENT STAND #95 WAS I WOULD GUESS THAT IT MIGHT BE BETTER TO JUST LET THIS NOW CONVERT TO CONIFERS. THIS WOULD ALSO BE THE BEST MANAGEMENT STRATEGY FROM THE PERSPECTIVE OF FISHERIES DIVISION GIVEN THE CLOSE PROXIMITY OF THIS STAND TO STONEY CREEK AND THE MILLIGAN.</p>
98	6122 - Black Spruce	Sawtimber Poor	4.4	74	1-50	<p>OPIC - FMD: THIS STAND OF SCATTERED SPRUCE AND FIR IS THE SUBJECT OF A SERIOUS ONGOING TRESPASS. LOTS OF TREES HAVE BEEN RECENTLY BULLDOZED. THIS WILL REQUIRE FURTHER INVESTIGATION WITH THE ASSISTANCE OF LAW DIVISION.</p> <p>2018-The majority of this stand is still connected with the stream corridor. A lowland stand with pockets of unimpressive fir, spruce, and birch.</p>
99	6112 - Lowland Aspen	Poletimber Medium	16.8	75	51-80	<p>2018-Stand was found to be inaccessible by stand examiner.</p> <p>OPIC - FMD: THIS STAND HAS THE APPEARANCE OF BEING DISTURBED BY ONGOING USE BY ADJACENT LANDOWNERS. THIS IS HIGH GROUND BUT THE STAND DOES HAVE A FIR UNDERSTORY. THE STAND COULD BE CUT IF WE COULD GAIN ACCESS FROM THE NEIGHBORS TO THE SOUTH. FISHERIES DIVISION THOUGH WOULD PROBABLY PREFER TO LET THIS REVERT TO A CONIFER STAND DUE TO IT'S PROXIMITY TO THE MILLIGAN.</p>
100	611 - Lowland Deciduous Forest	Poletimber Poor	2.6	68	1-50	<p>2018-Stand was inaccessible.</p> <p>OPIC - FMD: VERY POOR QUALITY STAND OF SCATTERED TIMBER WITH A HEAVY TAG ALDER UNDERSTORY.</p>



Stand	Cover Type	Acres	Managed Site	General Comments:
2	622 - Lowland Shrub	25.1	No	Quite a bit of standing dead seen off in the distance. Wall of tag alder. OPIC - FMD: THIS LOOKS LIKE IT ONCE WAS AN OLD BEAVER FLOODING. THERE IS SOME SCATTERED DEAD STANDING TIMBER. ADAIR CREEK FLOWS THROUGH THE STAND.
6	622 - Lowland Shrub	57.6	No	2018-Outskirts of the Stoney Creek flooding. Heavy to tag alder. OPIC - FMD: LARGE STAND OF LOWLAND BRUSH OF VARYING DENSITIES. LOOKS LIKE SOME OF IT MAY HAVE BEEN FLOODED IN THE PAST POSSIBLY DUE TO BEAVER ACTIVITY.
9	3102 - Grass	1.6	Yes	Scattered hardwood and pine throughout stand. Manage with nearby openings.
19	3102 - Grass	3.1	No	OPIC - FMD: THIS STAND OF OPEN GRASSLAND ADJACENT TO A PRIVATE FIELD ALSO INCLUDES A REVEGETATED BORROW PIT.
23	320 - Upland Shrub	1.0	No	2018-No change. Full of knapweed. OPIC - FMD: SEMI-OPEN STAND OF WIDELY SCATTERED BRUSH AND A POOR QUALITY CLUMP OF ASPEN.
28	622 - Lowland Shrub	4.9	No	2018-Thick cattails and tag alder. OPIC - FMD: A WET CATTAIL MARSH WITH THE UPPER REACHES OF STONEY CREEK RUNNING THROUGH IT. BEAVERS HAVE BEEN ACTIVE HERE IN THE PAST.
39	622 - Lowland Shrub	1.3	No	2018-Small, wet area. OPIC - FMD: SMALL, NARROW SWALE SANDWICHED BETWEEN THE BASE OF A RIDGE AND A TWO-TRACK TRAIL ROAD.
41	6224 - Treed Bog	16.0	No	2018-Scattered standing dead trees. Trace blueberry along the edge. OPIC - FMD: A TRUE LEATHERLEAF BOG WITH WIDELY SCATTERED BLACK SPRUCE AND STUNTED WHITE PINE.
44	320 - Upland Shrub	1.2	No	OPIC - FMD: A SEMI-OPEN STAND OF SCATTERED MAPLE AND FIR.
46	320 - Upland Shrub	2.0	No	2018-Really no change. OPIC - FMD: THIS IS A VERY OPEN STAND WITH JUST A FEW SCATTERED MAPLE CLUMPS AND A WHITE PINE OR TWO.
49	320 - Upland Shrub	3.1	No	OPIC - FMD: A LIGHTLY STOCKED OPENING WITH SCRUBBY WHITE PINE AND MAPLE.
58	320 - Upland Shrub	1.4	No	OPIC - FMD: A SEMI-OPEN STAND OF CHERRY BRUSH WITH A FEW SCATTERED MAPLE CLUMPS.
66	330 - Low-Density Trees	6.9	No	2018-Relatively open with a few large, open-grown pine. Starting to fill in with aspen from surrounding stand. May have been used as a turn around when 64 was harvested. OPIC - FMD: A PATCHY OPENING WITH LOTS OF WOLFY WHITE PINE ALONG WITH HARDWOOD BRUSH. THIS MOST LIKELY HAD ASPEN AND MAPLE REMOVED FROM IT WHEN THE ADJACENT STANDS WERE CLEARCUT.



Stand	Cover Type	Acres	Managed Site	General Comments:
76	6224 - Treed Bog	35.1		<p>OPIC - FMD: SOME MATERIAL WAS REMOVED FROM THIS STAND IN 1983. THE MAJORITY OF THE STAND THOUGH IS SCATTERED SWAMP CONIFERS WITH A HEAVY TAG ALDER UNDERSTORY. THE WESTERN TIP WAS DAMAGED BY THE 2007 TORNADO. SOME OF THAT BLOW DOWN MIGHT GET SALVAGED BY FIREWOOD CUTTERS. IF NOT THE BLOWDOWNS WILL SERVE AS GOOD WILDLIFE HABITAT.</p> <p>2018-Swamp conifers are sparse/dead/dying. Very thick tag alder understory with pockets of blueberry/leatherleaf bogs.</p>
84	622 - Lowland Shrub	2.7	No	<p>OPIC - FMD: TAG ALDER WITH ESSENTIALLY NO TIMBER.</p> <p>2018-Trees in transition zone between 84 and 85. Tag alder closer to stream.</p>
94	622 - Lowland Shrub	75.4	No	<p>OPIC - FMD: THIS IS A LARGE MEANDERING STAND OF TAG ALDER WITH VERY FEW TREES PRESENT. THERE IS SOME DEAD STANDING TIMBER SO I WOULD IMAGINE THAT BEAVERS HAVE BEEN ACTIVE IN THE PAST ALONG BOTH STONEY CREEK AND THE MILLIGAN.</p> <p>2018-Standing dead black ash. Scattered black ash saps that were heavily browsed. Railroad grade disturbs the water flow, but cannot be used for travel. South of the grade is the wettest. Milligan creek corridor runs through the E1/2 of the stand. Trace amounts of JP, RP, and WP along the perimeter of the stand.</p>
96	622 - Lowland Shrub	4.0	No	<p>OPIC - FMD: PURE TAG ALDER AND DOGWOOD. ESSENTIALLY NO TIMBER.</p> <p>2018-Has converted to more nannyberry, Michigan holly, and BF in the SW.</p>
400	3102 - Grass	19.2	No	<p>OPIC - FMD: THIS IS A WIDE OVERHEAD POWERLINE. THE RIGHT-OF-WAY CROSSES SEVERAL VERY STEEP RIDGES.</p> <p>2018-Powerline with scattered ground juniper. Filled with knapweed and brackenfern.</p>
401	3102 - Grass	7.7	Yes	<p>OPIC - FMD: THIS IS A MANGED WILDLIFE OPENING. 2018-Seems to be popular spot for the locals with all the RDR's. Trace bluestem and sumac. Clumpy, open grown hardwoods and branchy pine along permimeter.</p>
403	3102 - Grass	3.8	Yes	<p>OPIC - FMD: THIS IS A MANGED WILDLIFE OPENING.</p> <p>2018-A small clump of mullein.</p>
405	3102 - Grass	6.5	No	<p>OPIC - FMD: THIS GRASS STAND HAS BEEN ILLEGALLY EXPANDED BY THE LANDOWNERS TO THE SOUTH. THIS TRESPASS WILL BE ADDRESSED WITH THE ASSISTANCE OF LAW ENFORCEMENT DIVISION.</p> <p>2018-Dense clump of SP and WP in the W. Status of tresspass is unknown at this point.</p>