



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54145

Entry Year 2021

Acreage: 1,241

County Presque Isle

Management Area: Cheboygan Lake Plain

Revision Date: 2019-04-01

Stand Examiner: Colin Zaremba

Legal Description:

T35N, R2E, Sec.4,5,9,16, and 18

Identified Planning Goals:

Timber production while maintaining diversity, overall forest health, and wildlife production.

Soil and topography:

Soils vary from organic mucks to sands. Mostly poorly drained, with some well drained areas. Mostly lowland to the north. Mixed upland with low toward the south. Some steep terrain by the Rainy River.

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

All state-owned land bordering the north and east of the compartment. All privately owned bordering the south and west. Hunting is a major use of the compartment and nearby lands.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

Archeological sites exist along the shore of Black Lake, but do not influence the land within the compartment.

Special Management Designations or Considerations:

The Onaway Field Office is located in stand 438 in section 18.

Watershed and Fisheries Considerations:

The Rainey River and Cold Creek pass through the compartment, flowing east to west. A cool water stream SCA exists for both. Designated as a trout resource by Fisheries Order 210.

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat components of cedar and wetland complexes as well as aspen provide food and cover for multiple species at a variety of age classes. We are working to maintain winter cover areas as well as keep a good age rotation of aspen in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand & gravel and coarse-textured till. The glacial drift thickness varies between 0 and 200 feet. Beneath the glacial drift are the Devonian Traverse Group, Bell Shale and Dundee Limestone. Active non-metallic mineral operations exist in sections 17 & 18, but sand & gravel in the area appears to be limited. There may be limestone potential in places, but wetlands in the area would restrict surface development. There is no known oil & gas potential in this area, and there is no current mineral lease activity. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

The wet nature of most of the compartment limits vehicle access. A few trails branch out from the middle of the compartment. Some closed roads on the south end of the compartment are used for management access and are bermed.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Bummers Roost O.R.V. trail passes through the north-east corner of section 4.

Fire Protection:

Onaway DNR and Onaway VFD provide fire protection for this compartment.

Additional Compartment Information:

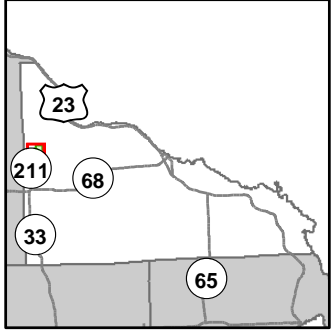
The following reports from the Inventory are attached:

- 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**

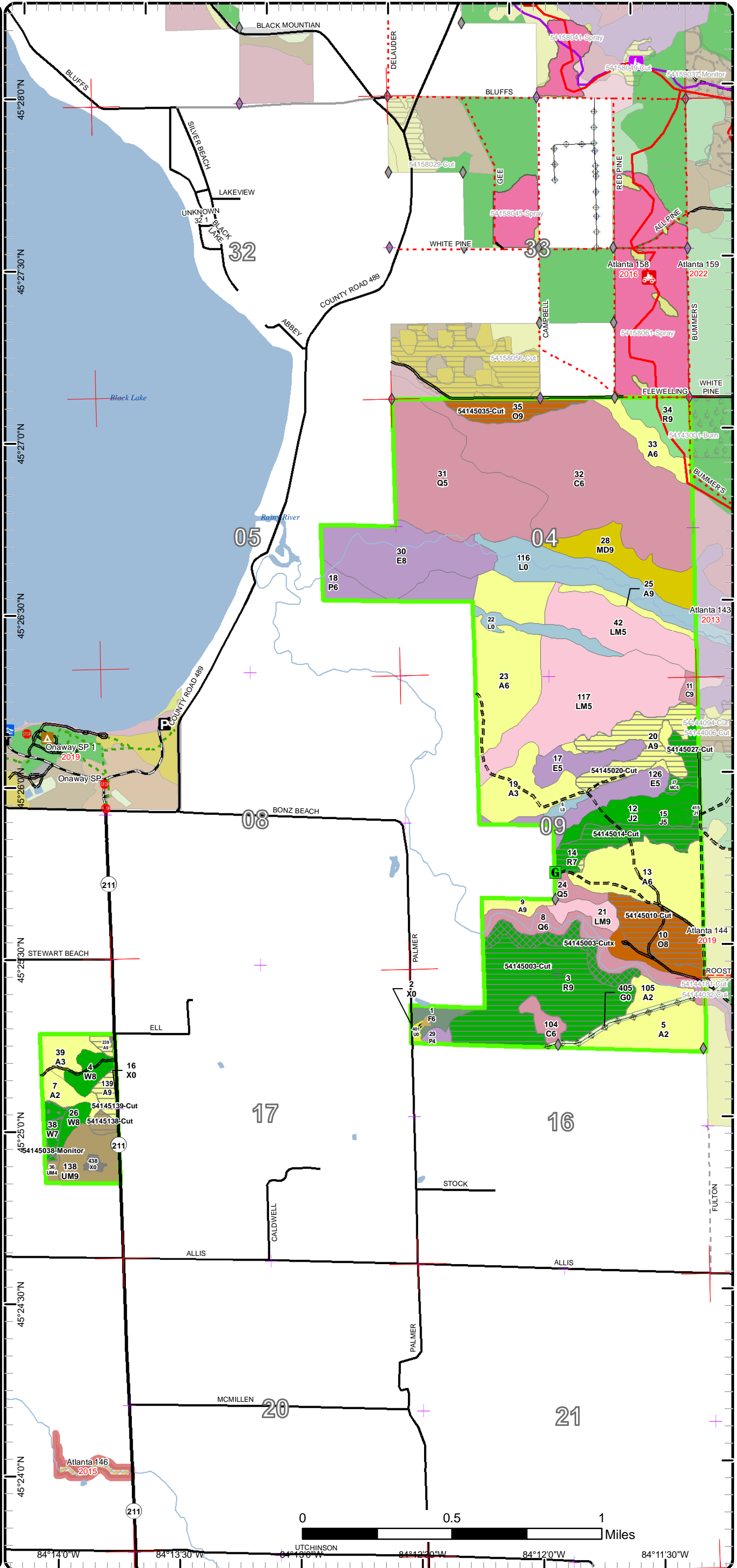
The following information is displayed, where pertinent, on the attached compartment maps:

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

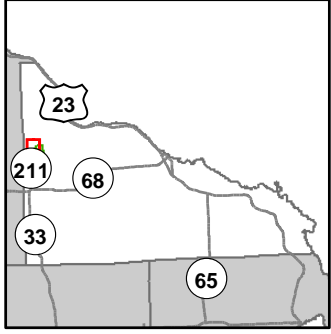
Cover Type & Treatments Map
 Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review



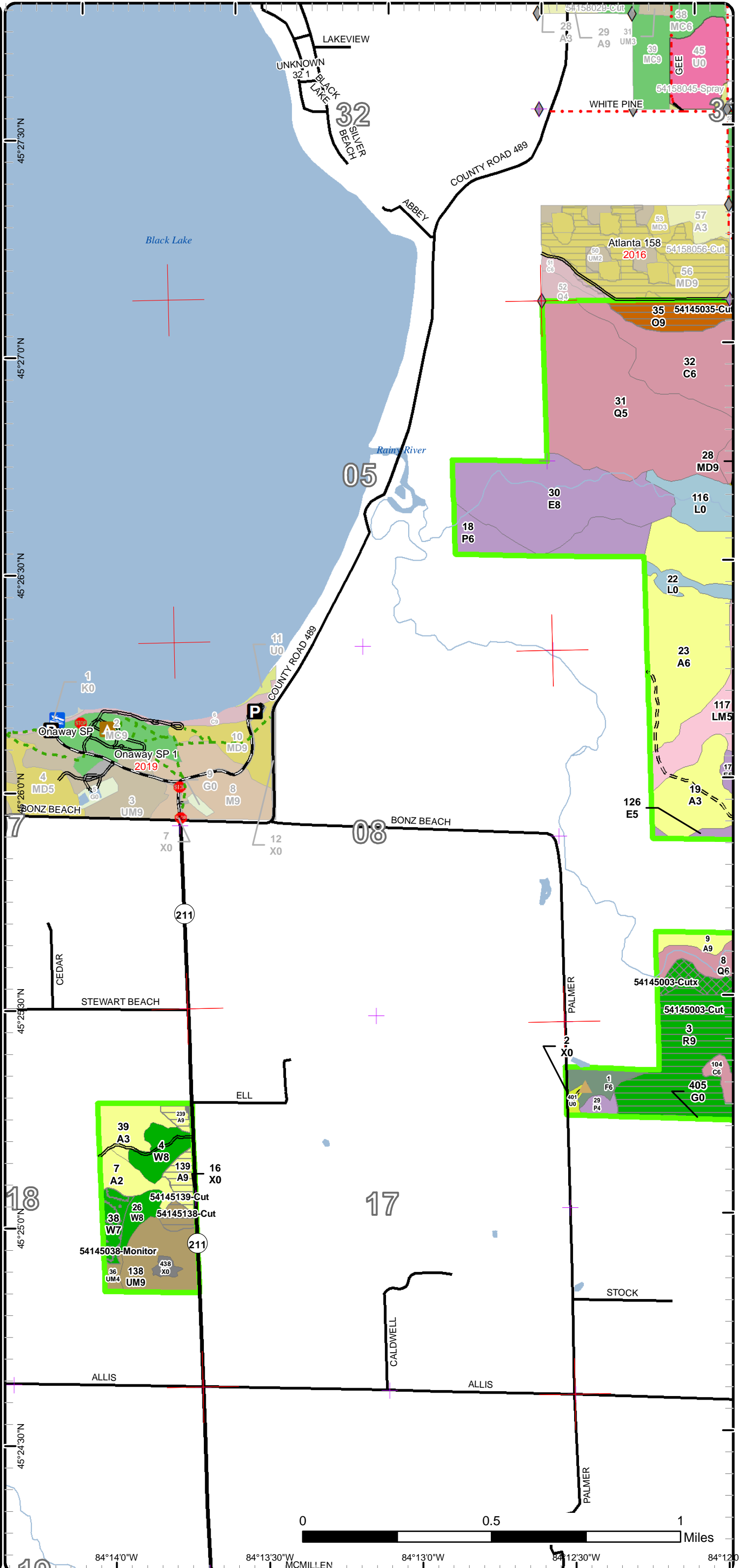
- Miris Corners
- ⊕ Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Designated Hiking Trails
- Designated ATV
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- ⚓ Boating Access Site
- ⛺ Campground
- P Parking Lot
- Ⓡ Sign
- ⚡ Powerline
- ▭ Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Regeneration Survey
- 412 - Oak Types
- 413 - Aspen
- 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
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes



Cover Type & Treatments Map
 Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review

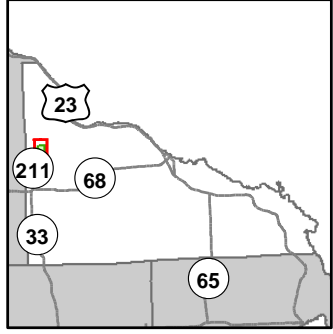


- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- . - . County - Gravel Road
- - - Designated Hiking Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- Boating Access Site
- ▲ Campground
- P Parking Lot
- STOP Sign
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other 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
- 622 - Lowland Shrub
- Lakes

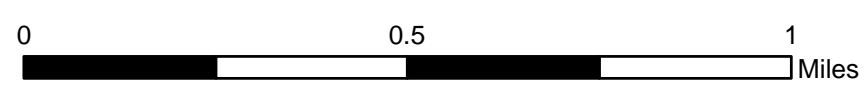
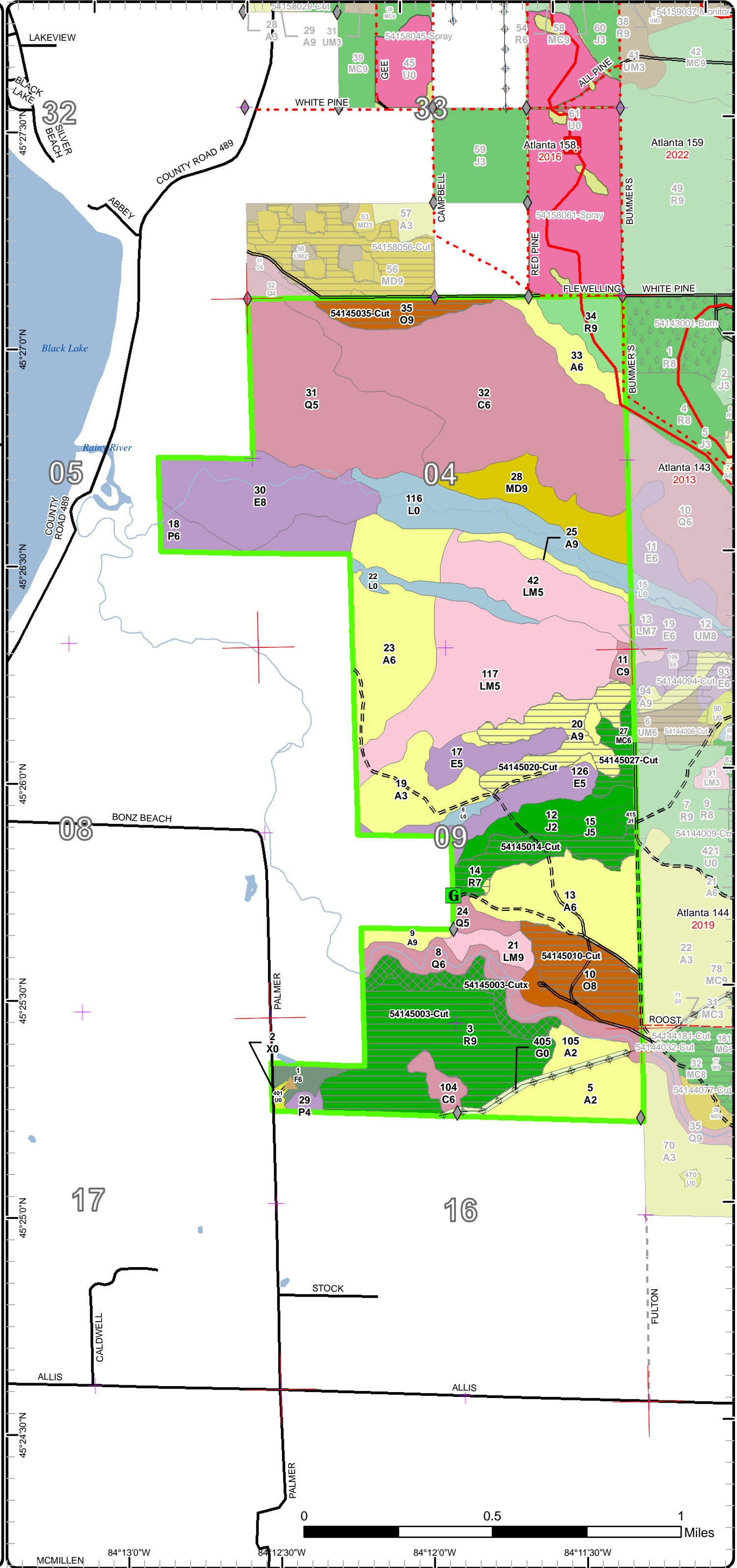


Cover Type & Treatments Map

Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review



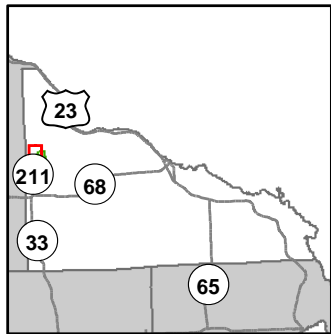
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Designated ATV
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- ⊕ Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes



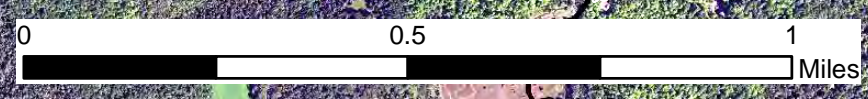
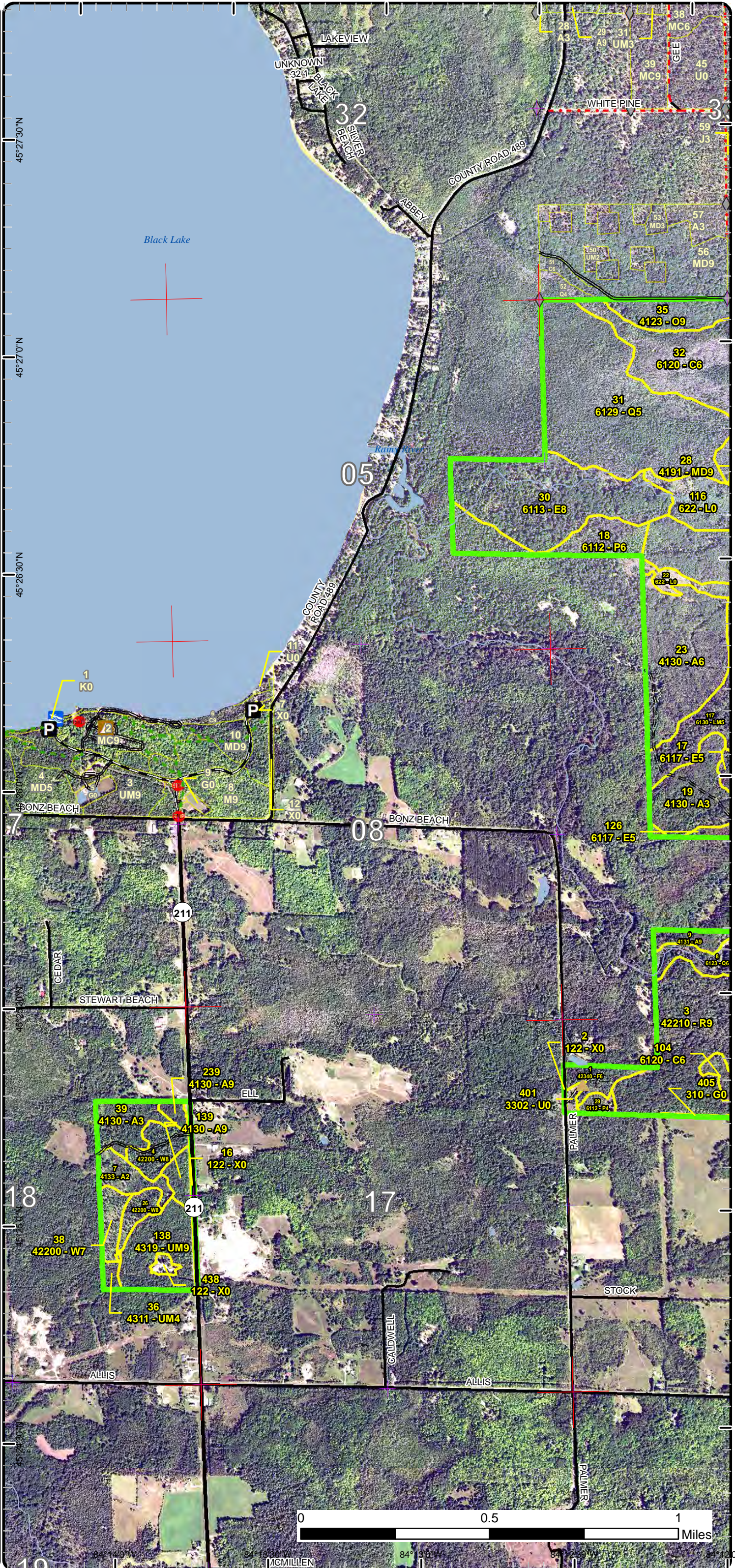
MCMILLEN 84°13'0"W 84°12'30"W 84°12'0"W 84°11'30"W

Stand Boundary Map

Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review

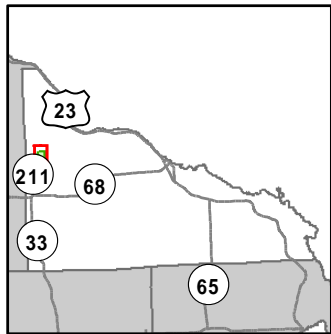


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Designated Hiking Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Berms
- Boating Access Site
- Campground
- P Parking Lot
- Sign
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 422 - Natural Pines
- 423 - Other 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
- 622 - Lowland Shrub

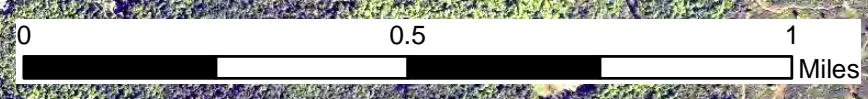
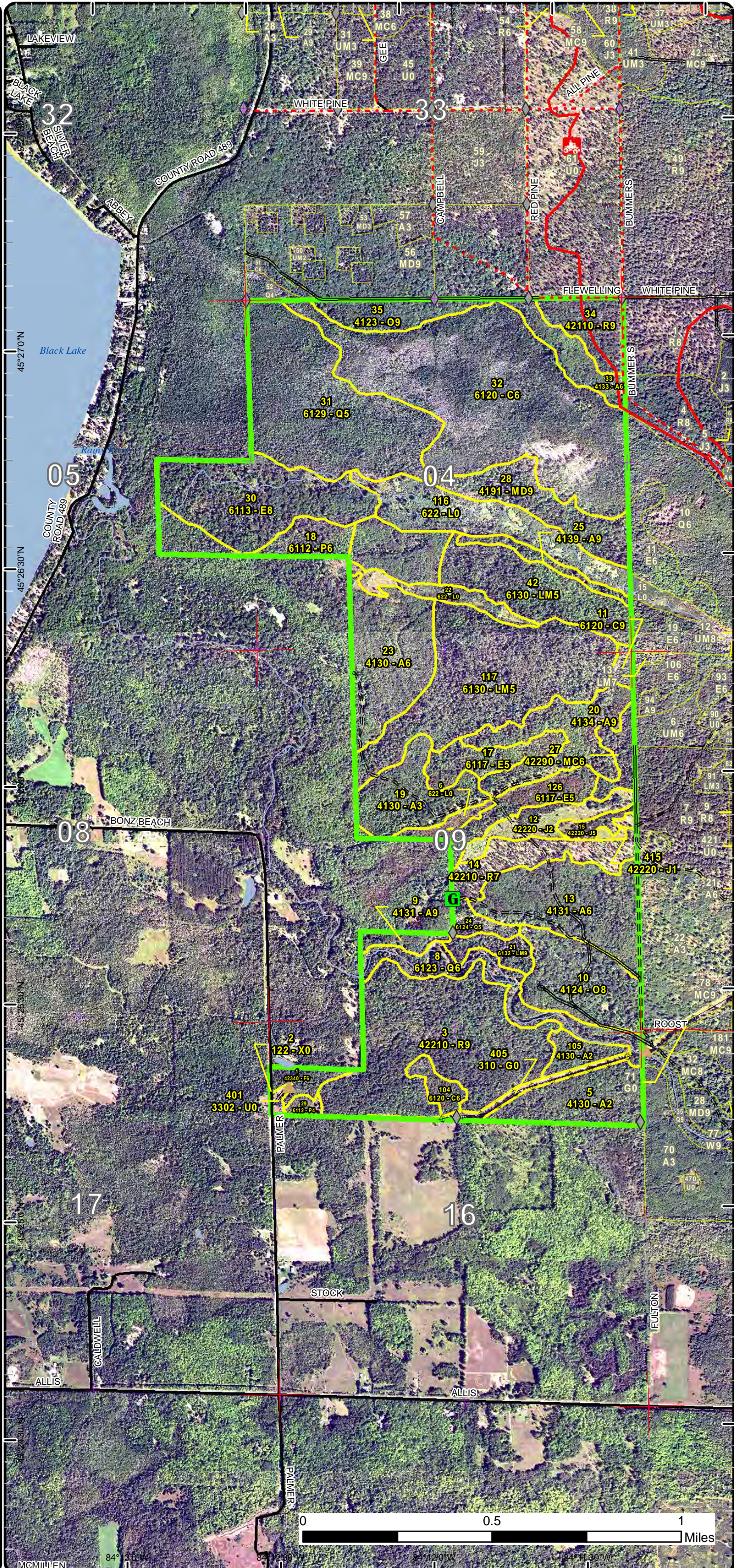


Stand Boundary Map

Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review



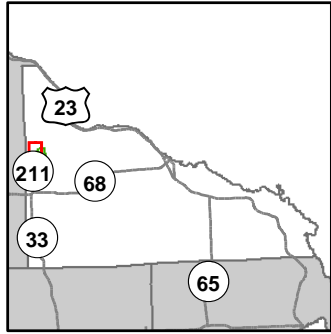
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- Designated ATV
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- ⊕ Powerline
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub



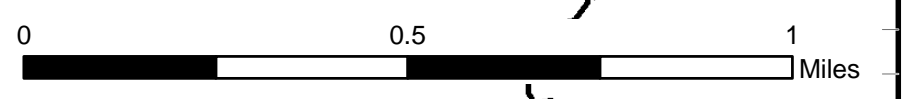
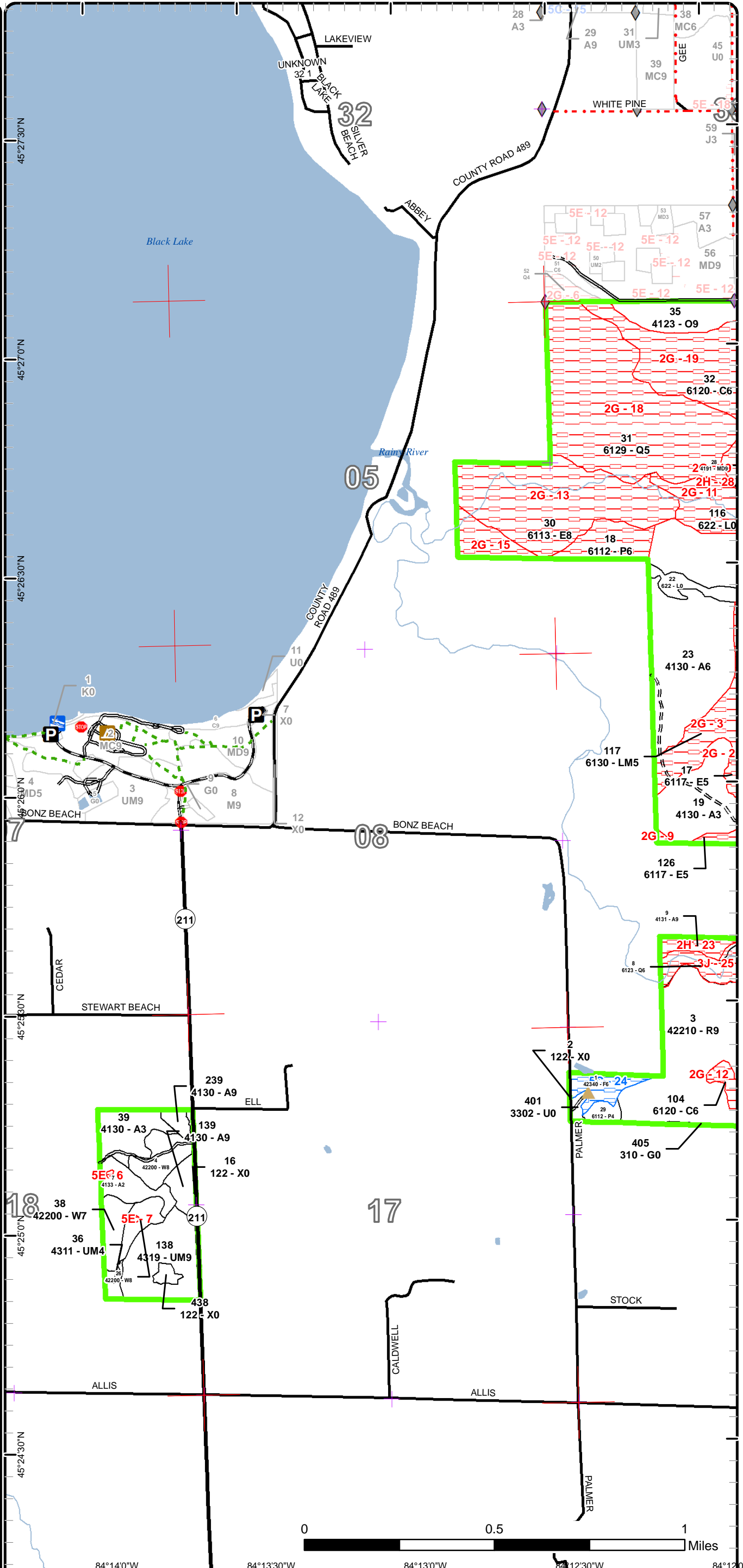
MCMILLEN 84° 30' W 84° 25' W 84° 20' W 84° 15' W 84° 10' W 84° 5' W 84° 0' W

Special Conservation Areas & Site Conditions Map

Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review



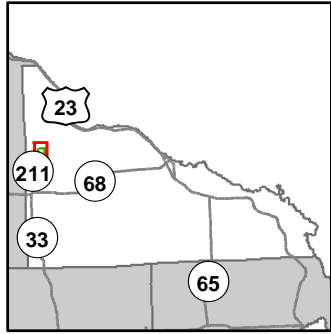
- Miris Corners
 - + Remonumented Section Corners
 - ◆ Field Grade Corners
 - Counties
 - DNR - Primary Forest Road
 - DNR - Secondary Forest Road
 - DNR - Forest Access Route
 - Federal / State Highway
 - Federal / State / County - Paved Road
 - County - Gravel Road
 - Designated Hiking Trails
 - Lake/Pond
 - Perennial River
 - Lakes and Rivers All
 - Berms
 - Boating Access Site
 - Campground
 - P Parking Lot
 - Sign
 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
 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
- Stand Boundaries



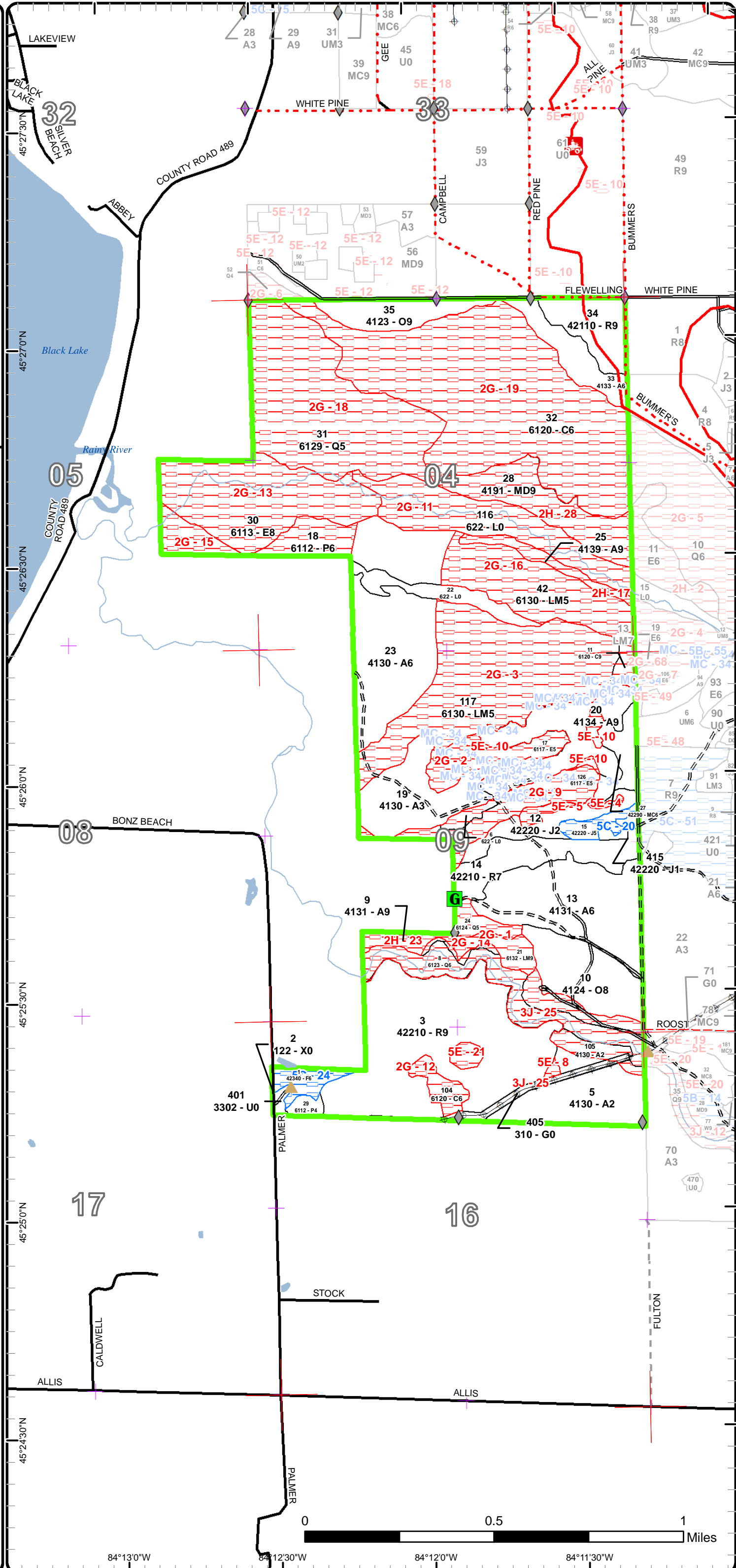
84°14'0"W 84°13'30"W 84°13'0"W 84°12'30"W 84°12'0"W

Special Conservation Areas & Site Conditions Map

Compartment: 145
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 1,241 GIS Calculated
 Examiner: Colin Zaremba
 Map Revised: 10/10/2019
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Designated ATV
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 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
- Stand Boundaries
- Cold Water Streams



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	47	13	31	121	16	0	0	8	6	44	0	0	0	0	0	0	0	286
Cedar	0	0	0	0	0	0	0	0	0	3	0	0	164	0	0	0	0	0	167
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	19	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	24
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	22	3	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	0	6	0	28	0	95	0	0	0	0	0	0	0	0	128
Lowland Deciduous	0	0	0	0	0	21	0	17	0	61	0	0	0	0	0	0	0	0	98
Lowland Mixed Forest	0	0	0	0	0	0	0	0	93	0	42	9	0	0	0	0	0	0	144
Lowland Shrub	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	31
Natural Mixed Pines	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Oak	0	0	0	0	0	0	0	0	0	0	38	17	0	0	0	0	0	0	55
Red Pine	0	0	0	0	0	0	0	25	19	0	102	0	0	0	0	0	0	0	145
Upland Mixed Forest	0	0	0	0	0	0	0	2	23	0	0	0	0	0	0	0	0	0	25
Upland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	22
Total	70	66	13	31	121	43	5	133	146	196	226	26	164	0	0	0	0	0	1237



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 145

Year of Entry: 2021

Acres of Harvest

Total Compartment Acres: 1,241

Commercial Harvest - 226
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	40	0	0	0	0	0	0	0	0	40
Natural Mixed Pines	10	0	0	0	0	0	0	0	0	10
Oak	47	0	0	0	0	0	0	0	0	47
Red Pine	109	17	0	0	0	0	0	0	0	126
Upland Mixed Forest	3	0	0	0	0	0	0	0	0	3
Total	209	17	0	0	0	0	0	0	0	226

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	226	0	0	0	0	7	0	0	0	233
Next Step	0	47	0	0	0	24	250	0	0	320
Total	226	47	0	0	0	24	256	0	0	553



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
3	54145003-Cut	85.5	42210 - Natural Red Pine	Sawtimber Well	93	81-110	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription CCR and let regenerate naturally. Objective is mixed conifer with some mixed deciduous. If natural regen fails then plant to red pine. Place

Specs: retention around areas with dense cedar and areas with dense desirable regen.

Do not cut hemlock. Place some retention around the hemlock pocket in the middle of the stand. Site condition 5E-21 gives an approximated area where the hemlock was present.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of red pine, white pine, fir, spruce, aspen, red maple, and sugar maple, at medium to high stocking level.

Regen:

Other Private fence to the west has been surveyed. Multiple blue carsonite markers directly in line with the fence.

Comment:

Proposed Start Date: 10/1 /2020

3	54145003-Cutx	16.9	42210 - Natural Red Pine	Sawtimber Well	93	81-110	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Uneven- Aged	Approved Proposal
---	---------------	------	-----------------------------	-------------------	----	--------	---------	--------------------------	--------------------------------	-----------------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Thin to 60-80 BA in this river corridor area. Apply buffers for slope and sensitive soils as necessary. No roads or landings can be built into this

Specs: RMZ. To minimize scarification roundwood only, no whole tree skidding. Avoid harvesting operations when soils are saturated. Rutting should not exceed 6 inches over 25 ft. Do not cut trees along stream bank.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable medium to high density of white and red pine, fir, spruce, cedar, hemlock, and a small component of hardwoods such as red maple and aspen is acceptable.

Regen:

Other Do not cut hemlock or cedar. Fisheries approved this thinning in the RMZ on 08/12/19.

Comment:

Proposed Start Date: 10/1 /2020

10	54145010-Cut	29.2	4124 - Red with White Oak	Sawtimber Medium	91	51-80	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Approved Proposal
----	--------------	------	------------------------------	---------------------	----	-------	---------	----------------------------	---	-----------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Clear cut with retention focused around areas of good quality white oak and significant white pine regeneration.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of aspen, red maple, white pine, red pine, jack pine, oak, or fir. Medium to high stocking.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

14	54145014-Cut	23.6	42210 - Natural Red Pine	Sawtimber Poor	66	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Field Boundary
----	--------------	------	-----------------------------	-------------------	----	------	---------	----------------------------	----------------------------	-----------	----------------

Habitat Cut: No**Site Condition:**

Prescription Clearcut; 3-10 % long term retention for this stand preexisting; follow current red and blue boundary lines; NE finger accept existing regen to benefit wildlife; cut all trees 2" DBH or greater; chip tops and cut stumps low for site preparation and planting.

Specs:

Variance for treatment was approved on 01/25/2017

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, (Inactive)Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring,

Treatments: Artificial Regen(3yr)

Acceptable Planted red pine with volunteer red pine, jack pine.

Regen:

Other

Comment:

Proposed Start Date: 1 /25/2017



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
20	54145020-Cut	32.3	4134 - Aspen, Spruce/Fir	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Field Boundary - Ready for VMS

Habitat Cut: No**Site Condition:**

Prescription Clear cut, leave 8-10% retention. Spread out retention pockets to take up some water and prevent oversaturation of the stand. Do not cut in spring. Use grouse spec.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Any combination of aspen, re maple, oak, white pine, red pine, jack pine, spruce, and fir medium to high stocking

Other Comment: Treatment was approved at compartment pre-review for timber sale prep 2019.

Proposed Start Date: 6 /17/2019

27	54145027-Cut	10.0	42290 - Natural Mixed Pine	Poletimber Well	61	81-110	Harvest	Clearcut	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Field Boundary - Ready for VMS
----	--------------	------	----------------------------	-----------------	----	--------	---------	----------	---------------------------------------	-----------	--------------------------------

Habitat Cut: No**Site Condition:**

Prescription Clear cut all trees over 2" diameter. No retention needed due to the small size of the stand. Cut outside of spring.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Any combination of jack pine, aspen, red pine, fir, spruce, white pine, oak, or birch, of medium to high stocking.

Other Comment: Treatment was approved at compartment pre-review for timber sale prep 2019.

Proposed Start Date: 6 /17/2019

35	54145035-Cut	17.4	4123 - Red Oak	Sawtimber Well	105	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Approved Proposal
----	--------------	------	----------------	----------------	-----	--------	---------	-------------------------	--	-----------	-------------------

Habitat Cut: No**Site Condition:**

Prescription Retention pocket around oaks with well developed crowns for seed production. Use grouse and rabbit habitat spec.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Any combination of white pine, red pine, jack pine, aspen, oak, and maple of medium density.

Other Comment:

Proposed Start Date: 10/1 /2020

38	54145038-Monitor	6.7	42200 - Natural White Pine	Sawtimber Poor	68	1-50	Monitoring	Natural Regen (Intermediate)	4220 - Natural White Pine	Two-Aged	Approved Proposal
----	------------------	-----	----------------------------	----------------	----	------	------------	------------------------------	---------------------------	----------	-------------------

Habitat Cut: No**Site Condition:**

Prescription Look for white pine saplings seeding in. Any regen here would be acceptable.

Next Step
Treatments:

Acceptable Regen: Any pine or hardwood regeneration at any stocking level.

Other Comment:

Proposed Start Date: 10/1 /2020



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
138	54145138-Cut	3.4	4319 - Mixed Upland Forest	Sawtimber Well	76	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Do not cut pine or cedar. Protect advanced white pine regeneration in understory. No retention needed due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of aspen, white pine, red pine, birch, red maple, sugar maple, fir, spruce, and cedar.

Regen:OtherComment:

Proposed Start Date: 10/1 /2020

139	54145139-Cut	5.1	4130 - Aspen	Sawtimber Well	78	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Approved Proposal
-----	--------------	-----	--------------	-------------------	----	--------	---------	----------	-------------	-----------	----------------------

Habitat Cut: No**Site Condition:**

Prescription No retention necessary due to the small size of the stand. Use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen dominated stand with small amounts of other deciduous species such as oak, maple, and birch. Medium to high stocking.

Regen:OtherComment:

Proposed Start Date: 10/1 /2020

239	54145239-Cut	2.5	4130 - Aspen	Sawtimber Well	78	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
-----	--------------	-----	--------------	-------------------	----	--------	---------	----------	-------------------------------------	-----------	----------------------

Habitat Cut: No**Site Condition:**

Prescription No retention due to the small size of the stand.

Specs: Use grouse spec.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen dominated stand with a component of mixed deciduous such as oak, maple, and birch.

Regen:OtherComment:

Proposed Start Date: 10/1 /2020

**Total Treatment
Acreage Proposed: 232.6**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Colin Zaremba : Examiner

Compartment: 145
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5C	MC	2G	2H	3J	5E
285	260	0	25	Aspen		0	0	13	7	5
167	0	0	167	Cedar			167	0		
7	6	0	0	Herbaceous Openland			0		0	0
25	16	5	3	Jack Pine	5					3
2	2	0	0	Low-Density Trees						
25	3	0	22	Lowland Aspen/Balsam Poplar			22			
129	0	0	129	Lowland Conifers			101		28	
99	0	0	99	Lowland Deciduous			99			0
145	0	0	145	Lowland Mixed Forest			143		1	
57	12	0	45	Lowland Shrub			45	0		
31	0	0	31	Mixed Upland Deciduous				31		
10	10	0	0	Natural Mixed Pines		0	0			0
56	47	0	9	Oak			0		9	
146	142	0	3	Red Pine			0		0	3
25	25	0	0	Upland Mixed Forest						
7	0	7	0	Upland Spruce/Fir	7					
4	4	0	0	Urban						
22	22	0	0	White Pine						0
1,241	548	13	679	Total Forested Acres	13	0	577	44	46	12
	44%	1%	55%	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)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Colin Zaremba : Examiner

Compartment: 145
Year of Entry: 2021

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	97	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Retention for Sale # 54-001-15-01 N.Allis Take II							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Colin Zaremba : Examiner

Compartment: 145
Year of Entry: 2021

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Colin Zaremba : Examiner

Compartment: 145
Year of Entry: 2021

15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	95	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	157	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Colin Zaremba : Examiner

Compartment: 145
Year of Entry: 2021

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Slope gets very steep towards the river. Access is poor and acreage is small.							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300ft buffer for cold water stream (Rainy River)							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
1	42340 - Upland Spruce/Fir	Poletimber Well	7.3	67	81-110	N/A	Mostly lowland conifer with some hardwoods mixed in. More lowland toward the edges of the compartment. Found a spring towards the NE of the stand.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>35</td> <td>Pole</td> <td>7</td> <td>67</td> </tr> <tr> <td>White Spruce</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Balsam Fir	35	Pole	7	67	White Spruce	25	Pole/Log	8		Bigtooth Aspen	15	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Northern White Cedar	Low	10 - 20 feet	Pole	Black Spruce	Low	Variable	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																												
Balsam Fir	35	Pole	7	67																																												
White Spruce	25	Pole/Log	8																																													
Bigtooth Aspen	15	Log/Pole	10																																													
Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Medium	Variable	Sapling																																													
Northern White Cedar	Low	10 - 20 feet	Pole																																													
Black Spruce	Low	Variable	Sapling																																													
2	122 - Road/Parking Lot	Nonstocked	0.3		Unspecified	No	Palmer Rd.																																									
3	42210 - Natural Red Pine	Sawtimber Well	102.4	93	81-110	N/A	OPIC - FMD: THINNED 1993. Flagging of red pine trees in the southwest of the stand. Possibly stressed, no obvious signs of insects. Good sized red pine logs. Some wetter areas on the edges of the stand. Many areas with dense cedar under red pine.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>60</td> <td>Log</td> <td>13</td> <td>93</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>22</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	60	Log	13	93	White Pine	10	Log/Pole	11		Northern White Cedar	22	Pole	8		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Dogwood (spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Serviceberry (Juneberry)</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	Dogwood (spp.)	Low	5 - 10 feet	Tall Shrub	Ironwood	Low	10 - 20 feet	Sapling	White Spruce	Low	Variable	Sapling	Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Pine	60	Log	13	93																																												
White Pine	10	Log/Pole	11																																													
Northern White Cedar	22	Pole	8																																													
Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	High	Variable	Sapling																																													
Dogwood (spp.)	Low	5 - 10 feet	Tall Shrub																																													
Ironwood	Low	10 - 20 feet	Sapling																																													
White Spruce	Low	Variable	Sapling																																													
Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling																																													
4	42200 - Natural White Pine	Sawtimber Medium	9.4	68	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 2006 Stand was originally part of stand 39. Aspen was cut in 2006 and did not regenerate well in this portion of the stand, leaving a medium stocked white pine stand behind.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>90</td> <td>Log/Pole</td> <td>10</td> <td>68</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	90	Log/Pole	10	68	<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	10 - 20 feet	Sapling	White Pine	Low	Variable	Sapling	Paper Birch	Low	10 - 20 feet	Sapling	Balsam Fir	Medium	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																												
White Pine	90	Log/Pole	10	68																																												
Canopy Species	Density	Avg. Height	Size																																													
Bigtooth Aspen	Low	10 - 20 feet	Sapling																																													
White Pine	Low	Variable	Sapling																																													
Paper Birch	Low	10 - 20 feet	Sapling																																													
Balsam Fir	Medium	Variable	Sapling																																													
5	4130 - Aspen	Sapling Medium	29.7	1	Immature	N/A	Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Recent clearcut. Regeneration appears to be doing well. Mostly aspen with a few balsam fir and red maple mixed in.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Sapling</td> <td>1</td> <td>1</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Bigtooth Aspen	75	Sapling	1	1	Quaking Aspen	10	Sapling	1		Balsam Fir	10	Sapling	1																											
Canopy Species	% Cover	Size Class	DBH	Age																																												
Bigtooth Aspen	75	Sapling	1	1																																												
Quaking Aspen	10	Sapling	1																																													
Balsam Fir	10	Sapling	1																																													
6	622 - Lowland Shrub	Nonstocked	2.9	0	Unspecified	No	Very wet. Tag Alder																																									
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height		Size	Tag Alder	High	5 - 10 feet	Tall Shrub																																				
Canopy Species	Density	Avg. Height	Size																																													
Tag Alder	High	5 - 10 feet	Tall Shrub																																													
7	4133 - Aspen, Mixed Pine	Sapling Medium	8.6	4	1-50	N/A	Aspen regen is coming in thick. Some residual WP left standing.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	75	Sapling	1	4	White Pine	25	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Sapling																						
Canopy Species	% Cover	Size Class	DBH	Age																																												
Bigtooth Aspen	75	Sapling	1	4																																												
White Pine	25	Log/Pole	10																																													
Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	Variable	Sapling																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
8	6123 - Lowland Fir	Poletimber Well	28.3	60	81-110	N/A	OPIC - FMD: RAINEY RIVER INFLUENCE UNIQUE AREA SOME VERY STEEP SLOPES TO STREAM River corridor.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>50</td> <td>Pole</td> <td>7</td> <td>60</td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>8</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	50	Pole	7	60	Black Spruce	10	Pole	8		White Pine	15	Log/Pole	13		Quaking Aspen	15	Pole/Log	8		Northern White Cedar	8	Pole	6		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																								
Balsam Fir	50	Pole	7	60																																								
Black Spruce	10	Pole	8																																									
White Pine	15	Log/Pole	13																																									
Quaking Aspen	15	Pole/Log	8																																									
Northern White Cedar	8	Pole	6																																									
Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	Variable	Sapling																																									
9	4131 - Aspen, Oak	Sawtimber Well	6.1	88	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 1920 Large old aspen with decent quality oak and pine. White and red pine regen is coming in well. Stand would require a lot of road work to get too and there would be a significant buffer from the stream and steep slope that would reduce treatment acreage, making a harvest not worth the effort.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>35</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Log</td> <td>13</td> <td>88</td> </tr> <tr> <td>Red Pine</td> <td>7</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>8</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	35	Log	14		Bigtooth Aspen	50	Log	13	88	Red Pine	7	Log	14		White Pine	8	Log	14		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	White Pine	Medium	Variable	Sapling	Balsam Fir	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Oak	35	Log	14																																									
Bigtooth Aspen	50	Log	13	88																																								
Red Pine	7	Log	14																																									
White Pine	8	Log	14																																									
Canopy Species	Density	Avg. Height	Size																																									
Red Pine	Low	Variable	Sapling																																									
White Pine	Medium	Variable	Sapling																																									
Balsam Fir	Low	Variable	Sapling																																									
10	4124 - Red with White Oak	Sawtimber Medium	38.3	91	51-80	N/A	OPIC - FMD: LEAVE OAK--PROTECT WHITE PINE REGEN Sale was cut in 2005. 54-031-02-01Stand is a mixed stand of pockets of red and white oak poles and logs, white pine poles, and a few scattered red pine logs. The stand has an understory of aspen, some red maple, and some white pine. Aspen regen is thicker towards the NE. East half of the stand has slightly lower BA with more advanced regeneration.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>60</td> <td>Log</td> <td>12</td> <td>91</td> </tr> <tr> <td>White Oak</td> <td>30</td> <td>Log</td> <td>11</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	60	Log	12	91	White Oak	30	Log	11		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Oak	Low	< 5 feet	Sapling	Red Pine	Low	Variable	Sapling	Bigtooth Aspen	Medium	10 - 20 feet	Sapling	Red Maple	Medium	10 - 20 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Oak	60	Log	12	91																																								
White Oak	30	Log	11																																									
Canopy Species	Density	Avg. Height	Size																																									
White Pine	Medium	Variable	Sapling																																									
Red Oak	Low	< 5 feet	Sapling																																									
Red Pine	Low	Variable	Sapling																																									
Bigtooth Aspen	Medium	10 - 20 feet	Sapling																																									
Red Maple	Medium	10 - 20 feet	Sapling																																									
11	6120 - Lowland Cedar	Sawtimber Well	3.4	89	81-110	N/A	Lowland aspen above cedar. Tag alder very thick to the east. Very wet																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>50</td> <td>Pole/Log</td> <td>8</td> <td>89</td> </tr> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	50	Pole/Log	8	89	Quaking Aspen	40	Log	13		Black Spruce	10	Pole/Log	8		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub													
Canopy Species	% Cover	Size Class	DBH	Age																																								
Northern White Cedar	50	Pole/Log	8	89																																								
Quaking Aspen	40	Log	13																																									
Black Spruce	10	Pole/Log	8																																									
Canopy Species	Density	Avg. Height	Size																																									
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																									
12	42220 - Natural Jack Pine	Sapling Medium	16.7	4	Immature	N/A	medium stocked jack pine stand. saplings are between 3-5ft tall. Spruce regen is heavier on the north edge. Was part of stand 14 to the south, which is to be clearcut and planted to red pine.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>73</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	73	Sapling	1	4	Red Maple	15	Sapling	1		White Spruce	10	Sapling	1																								
Canopy Species	% Cover	Size Class	DBH	Age																																								
Jack Pine	73	Sapling	1	4																																								
Red Maple	15	Sapling	1																																									
White Spruce	10	Sapling	1																																									
13	4131 - Aspen, Oak	Poletimber Well	51.8	37	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 1982Well stocked aspen stand with some oak and pine																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Pole</td> <td>5</td> <td>37</td> </tr> <tr> <td>Red Oak</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	65	Pole	5	37	Red Oak	20	Log	12		Red Pine	10	Log	13		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	Red Oak	Low	< 5 feet	Sapling	Red Maple	Medium	Variable	Sapling	
Canopy Species	% Cover	Size Class	DBH	Age																																								
Bigtooth Aspen	65	Pole	5	37																																								
Red Oak	20	Log	12																																									
Red Pine	10	Log	13																																									
Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Low	Variable	Sapling																																									
White Pine	Low	Variable	Sapling																																									
Red Oak	Low	< 5 feet	Sapling																																									
Red Maple	Medium	Variable	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
14	42210 - Natural Red Pine	Sawtimber Poor	24.5	66	1-50	N/A	!!When a good opportunity presents itself, kindly add the next step treatment to plant this stand as the treatment sponsor forgot to add it!! Variance for this stand was approved on 01/25/17. Stand was cut in 2014, Red pine was shelterwood with a residual BA of 30BA all other species were removed. The north half of the stand did not have any red pine. The objective for the stand is a mix of red or jack pine. Acceptable regeneration from original prescription is any combination of jack pine or red pine, resulting in a medium or well stocked stand.																																												
15	42220 - Natural Jack Pine	Poletimber Medium	5.4	58	51-80	N/A	OPIC - FMD: OI Stand Year Origin was 1968 medium to low density jack pine poles																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>98</td> <td>Pole</td> <td>8</td> <td>58</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	98	Pole	8	58			<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>	Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	Jack Pine	Low	5 - 10 feet	Sapling	Black Spruce	Low	Variable	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																															
Jack Pine	98	Pole	8	58																																															
Canopy Species	Density	Avg. Height	Size																																																
Red Pine	Low	Variable	Sapling																																																
Jack Pine	Low	5 - 10 feet	Sapling																																																
Black Spruce	Low	Variable	Sapling																																																
16	122 - Road/Parking Lot	Nonstocked	2.1	0	Unspecified	No	HWY 211																																												
17	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	16.9	62	51-80	N/A	Smaller trees and very wet site.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole/Log</td> <td>8</td> <td>62</td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>12</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Pole/Log	8	62	Balsam Fir	20	Pole	7		Red Maple	30	Pole/Log	8		Paper Birch	12	Pole	6				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>	Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	Tall Shrub	Balsam Fir	Medium	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																															
Quaking Aspen	30	Pole/Log	8	62																																															
Balsam Fir	20	Pole	7																																																
Red Maple	30	Pole/Log	8																																																
Paper Birch	12	Pole	6																																																
Canopy Species	Density	Avg. Height	Size																																																
Tag Alder	High	5 - 10 feet	Tall Shrub																																																
Balsam Fir	Medium	Variable	Sapling																																																
18	6112 - Lowland Aspen	Poletimber Well	22.0	60	51-80	N/A	OPIC - FMD: WET SWAMP Very wet. Trees are not seeing much growth. Thick balsam fir coming up in the understory.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>30</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Pole</td> <td>8</td> <td>60</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Pole/Log	9		Quaking Aspen	45	Pole	8	60	Balsam Fir	10	Pole	7		Northern White Cedar	10	Pole	7				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>	Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	Tag Alder	Medium	5 - 10 feet	Tall Shrub									
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	30	Pole/Log	9																																																
Quaking Aspen	45	Pole	8	60																																															
Balsam Fir	10	Pole	7																																																
Northern White Cedar	10	Pole	7																																																
Canopy Species	Density	Avg. Height	Size																																																
Balsam Fir	High	Variable	Sapling																																																
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																																
19	4130 - Aspen	Sapling Well	30.7	25	Immature	N/A	OPIC - FMD: OI Stand Year Origin was 1994 Well stocked aspen stand. Some red oak left on the south end where the stand is drier. Gets wetter as you move north.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td>25</td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Sapling/Pole</td> <td>4</td> <td>25</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	15	Sapling/Pole	4	25	Quaking Aspen	60	Sapling/Pole	4	25	Red Maple	10	Sapling/Pole	4				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Gray Dogwood</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>	Canopy Species	Density	Avg. Height	Size	Gray Dogwood	Medium	5 - 10 feet	Tall Shrub	White Pine	Trace	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling	Black Spruce	Low	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																															
Bigtooth Aspen	15	Sapling/Pole	4	25																																															
Quaking Aspen	60	Sapling/Pole	4	25																																															
Red Maple	10	Sapling/Pole	4																																																
Canopy Species	Density	Avg. Height	Size																																																
Gray Dogwood	Medium	5 - 10 feet	Tall Shrub																																																
White Pine	Trace	Variable	Sapling																																																
Balsam Fir	Medium	Variable	Sapling																																																
Black Spruce	Low	5 - 10 feet	Sapling																																																
Red Maple	Medium	5 - 10 feet	Sapling																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
20	4134 - Aspen, Spruce/Fir	Sawtimber Well	36.1	91	81-110	N/A	Southwest finger is more upland with lower density trees, including a patch of pine at the tip of the finger. Stand may be a little wet depending on the weather conditions. Should probably stay out during spring.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Log/Pole</td> <td>11</td> <td>91</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>19</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	40	Log/Pole	11	91	Red Maple	20	Log/Pole	10		Balsam Fir	19	Pole	8		Paper Birch	10	Pole	7		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Tag Alder	Low	5 - 10 feet	Tall Shrub				
Canopy Species	% Cover	Size Class	DBH	Age																																								
Quaking Aspen	40	Log/Pole	11	91																																								
Red Maple	20	Log/Pole	10																																									
Balsam Fir	19	Pole	8																																									
Paper Birch	10	Pole	7																																									
Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	Variable	Sapling																																									
Tag Alder	Low	5 - 10 feet	Tall Shrub																																									
21	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	9.1	105	81-110	N/A	OPIC - FMD: RIDGE RISES OUT OF THE SWAMP TO THE NORTH-WEST BUT IS WET WITH SEEPS. Large aspen over cedar. Some pine near the river																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>40</td> <td>Log/Pole</td> <td>11</td> <td>105</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	40	Log/Pole	11	105	Quaking Aspen	30	Log	16		Black Spruce	10	Log/Pole	12		Red Maple	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																								
Northern White Cedar	40	Log/Pole	11	105																																								
Quaking Aspen	30	Log	16																																									
Black Spruce	10	Log/Pole	12																																									
Red Maple	10	Log/Pole	10																																									
Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	Variable	Sapling																																									
22	622 - Lowland Shrub	Nonstocked	12.1		Unspecified	No	Beaver activity, very wet. Abundant tag alder.																																					
23	4130 - Aspen	Poletimber Well	69.1	32	51-80	N/A	OPIC - FMD: WET TO THE NORTH AND EAST Stand is mostly poles and appears in good health. Thick balsam fir understory.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>83</td> <td>Pole/Sapling</td> <td>5</td> <td>32</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	83	Pole/Sapling	5	32	Bigtooth Aspen	10	Pole	5		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Full	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Quaking Aspen	Low	5 - 10 feet	Sapling	Tag Alder	Medium	5 - 10 feet	Tall Shrub						
Canopy Species	% Cover	Size Class	DBH	Age																																								
Quaking Aspen	83	Pole/Sapling	5	32																																								
Bigtooth Aspen	10	Pole	5																																									
Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Full	Variable	Sapling																																									
Black Spruce	Low	Variable	Sapling																																									
Quaking Aspen	Low	5 - 10 feet	Sapling																																									
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																									
24	6124 - Lowland Spruce-Fir	Poletimber Medium	6.3	40	51-80	N/A	May have been harvested in the past along with stand 13, they are similar ages. Stand is now very wet. Larger trees to the north. Southern portion of stand has more sparse coverage.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>45</td> <td>Pole</td> <td>6</td> <td>40</td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	45	Pole	6	40	Black Spruce	25	Pole/Log	8		Quaking Aspen	10	Pole	9		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub	Balsam Fir	Medium	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																								
Balsam Fir	45	Pole	6	40																																								
Black Spruce	25	Pole/Log	8																																									
Quaking Aspen	10	Pole	9																																									
Canopy Species	Density	Avg. Height	Size																																									
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																									
Balsam Fir	Medium	Variable	Sapling																																									
25	4139 - Aspen, Mixed Deciduous	Sawtimber Well	7.4	96	81-110	N/A	OPIC - FMD: SANDY RIDGE ALONG CREEK SOME BLOWDOWN ,THERE IS NO ACCESS Blowdown is more significant to the west. Ridge has more hardwoods and better timber than the wet stand to the south, but access would be difficult.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Log</td> <td>14</td> <td>96</td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	40	Log	14	96	Red Maple	40	Log/Pole	11		Balsam Fir	10	Pole	8																								
Canopy Species	% Cover	Size Class	DBH	Age																																								
Quaking Aspen	40	Log	14	96																																								
Red Maple	40	Log/Pole	11																																									
Balsam Fir	10	Pole	8																																									
26	42200 - Natural White Pine	Sawtimber Medium	5.6	68	51-80	N/A	Aspen regen in this area failed, leaving behind a low to moderately stocked white pine stand with little understory.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>90</td> <td>Log/Pole</td> <td>10</td> <td>68</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	90	Log/Pole	10	68	<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling															
Canopy Species	% Cover	Size Class	DBH	Age																																								
White Pine	90	Log/Pole	10	68																																								
Canopy Species	Density	Avg. Height	Size																																									
Bigtooth Aspen	Low	5 - 10 feet	Sapling																																									
White Pine	Low	Variable	Sapling																																									
Balsam Fir	Medium	Variable	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
27	42290 - Natural Mixed Pine	Poletimber Well	10.0	61	81-110	N/A	Natural mixed red and jack pine. Stand gets a little wet to the northwest. Some patches of good pine regen on the western edge. A few open areas with scrappy oak occur in the center of the stand.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>38</td> <td>Log/Pole</td> <td>10</td> <td>61</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>32</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	38	Log/Pole	10	61	Bigtooth Aspen	10	Pole	6		Red Maple	10	Log/Pole	10		Red Pine	32	Log	14		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling	Tag Alder	Low	5 - 10 feet	Tall Shrub	Red Maple	Medium	5 - 10 feet	Sapling	White Spruce	Low	Variable	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Jack Pine	38	Log/Pole	10	61																																																												
Bigtooth Aspen	10	Pole	6																																																													
Red Maple	10	Log/Pole	10																																																													
Red Pine	32	Log	14																																																													
Canopy Species	Density	Avg. Height	Size																																																													
Red Pine	Low	Variable	Sapling																																																													
Balsam Fir	Medium	Variable	Sapling																																																													
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																													
Red Maple	Medium	5 - 10 feet	Sapling																																																													
White Spruce	Low	Variable	Sapling																																																													
28	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	30.9	80	111-140	N/A	Upland ridge along between cedar swamp and cold creek. Aspen is beginning to decline. Cedar is creeping in from the edge of the swamp. Small stream in the middle of the stand. Blowdown and tip-ups near the edges. Heavier to aspen and fir toward the west and heavier to maple and birch to the east. No access to this stand.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>35</td> <td>Log</td> <td>13</td> <td>80</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	35	Log	13	80	Balsam Fir	10	Pole/Log	8		Paper Birch	20	Pole	7		Northern White Cedar	10	Pole/Log	8		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	Tall Shrub	Balsam Fir	Medium	Variable	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Quaking Aspen	35	Log	13	80																																																												
Balsam Fir	10	Pole/Log	8																																																													
Paper Birch	20	Pole	7																																																													
Northern White Cedar	10	Pole/Log	8																																																													
Canopy Species	Density	Avg. Height	Size																																																													
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																													
Balsam Fir	Medium	Variable	Sapling																																																													
29	6112 - Lowland Aspen	Poletimber Poor	2.9	79	1-50	N/A	Very poor quality, small aspen over cedar regeneration.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Pole</td> <td>5</td> <td>79</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Pole	5	79	Tamarack	10	Pole	7		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>High</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Northern White Cedar	High	10 - 20 feet	Pole	Black Spruce	Low	Variable	Sapling																														
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Quaking Aspen	80	Pole	5	79																																																												
Tamarack	10	Pole	7																																																													
Canopy Species	Density	Avg. Height	Size																																																													
Balsam Fir	Medium	Variable	Sapling																																																													
Northern White Cedar	High	10 - 20 feet	Pole																																																													
Black Spruce	Low	Variable	Sapling																																																													
30	6113 - Lowland Maple	Sawtimber Medium	60.5	89	51-80	N/A	Large silver maple trees with cedar and fir understory. Ground is very wet. Some beaver activity.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Silver Maple</td> <td>80</td> <td>Log</td> <td>12</td> <td>89</td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Silver Maple	80	Log	12	89	Northern White Cedar	10	Pole	7		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	Tag Alder	Medium	5 - 10 feet	Tall Shrub																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Silver Maple	80	Log	12	89																																																												
Northern White Cedar	10	Pole	7																																																													
Canopy Species	Density	Avg. Height	Size																																																													
Balsam Fir	High	Variable	Sapling																																																													
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																																													
31	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	94.5	81	111-140	N/A	Areas of severe blowdown. Multiple seepages, standing water, too wet for harvest. Pockets of unhealthy, defoliating cedar. Small trail running to the south with marks hacked into the trees.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>35</td> <td>Pole</td> <td>7</td> <td>81</td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>30</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Pole	6		Northern White Cedar	35	Pole	7	81	Black Spruce	25	Pole	7		Tamarack	30	Pole/Log	8		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Labrador Tea</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Sphagnum Moss</td> <td>Medium</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Poplar</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Cattail spp.</td> <td>Low</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling	Labrador Tea	Medium	< 5 feet	Tall Shrub	Sphagnum Moss	Medium	Unspecified	Non-Wood	Balsam Fir	High	Variable	Sapling	Balsam Poplar	Medium	10 - 20 feet	Sapling	Cattail spp.	Low	Unspecified	Non-Wood	Tamarack	Low	Variable	Sapling	Tag Alder	Low	5 - 10 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Balsam Fir	10	Pole	6																																																													
Northern White Cedar	35	Pole	7	81																																																												
Black Spruce	25	Pole	7																																																													
Tamarack	30	Pole/Log	8																																																													
Canopy Species	Density	Avg. Height	Size																																																													
Black Spruce	Low	Variable	Sapling																																																													
Labrador Tea	Medium	< 5 feet	Tall Shrub																																																													
Sphagnum Moss	Medium	Unspecified	Non-Wood																																																													
Balsam Fir	High	Variable	Sapling																																																													
Balsam Poplar	Medium	10 - 20 feet	Sapling																																																													
Cattail spp.	Low	Unspecified	Non-Wood																																																													
Tamarack	Low	Variable	Sapling																																																													
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
32	6120 - Lowland Cedar	Poletimber Well	157.0	110	171-200	N/A	Two large pockets of severe blowdown near stand 28 and blowdown throughout. Balsam fir regen is very thick in some spots. NW finger has some hemlock trees.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Northern White Cedar		85	Pole/Log	8	110	Balsam Fir		Medium	Variable	Sapling
Black Spruce		10	Pole/Log	9		Northern White Cedar		Low	10 - 20 feet	Sapling
						Labrador Tea		Low	5 - 10 feet	Tall Shrub
33	4133 - Aspen, Mixed Pine	Poletimber Well	16.0	42	81-110	N/A	Aspen is mostly poles with some sapling size. Red pine looks very good but should wait for aspen to put on some size before harvesting the stand. Heavy to conifer species on the edges of the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		65	Pole	5	42	Balsam Fir		Medium	Variable	Sapling
Red Pine		20	Log/Pole	14		Red Pine		Trace	5 - 10 feet	Sapling
						White Pine		Low	5 - 10 feet	Sapling
						Red Maple	Low	5 - 10 feet	Sapling	
34	42110 - Planted Red Pine	Sawtimber Well	18.7	75	81-110	N/A	Red pine is short but good diameter. Decent oak regen throughout, with denser pockets in some spots. Aspen is creeping in from the West edge of the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Red Pine		92	Log	13	75	Red Maple		Medium	10 - 20 feet	Sapling
						Red Oak		Medium	10 - 20 feet	Sapling
						Jack Pine		Low	>20 feet	Sapling
						Red Pine		Low	10 - 20 feet	Sapling
						Balsam Fir		Low	Variable	Sapling
						Bigtooth Aspen		Low	10 - 20 feet	Sapling
35	4123 - Red Oak	Sawtimber Well	17.4	105	81-110	N/A	OPIC - FMD: Good mast producers, poor quality, open grown oaks on swamp edge. Side hill with southern aspect. Heavy deer browse. Pocket of red pine mortality. Some areas with steeper slopes. Aspen cover is heavier on the swamp edge.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Red Oak		65	Log	14	105	Balsam Fir		Medium	Variable	Sapling
Red Pine		10	Log	13		White Pine		Low	Variable	Sapling
Jack Pine		7	Pole	7		Beech		Trace	< 5 feet	Sapling
Bigtooth Aspen		15	Log	12		Black Cherry		Low	5 - 10 feet	Sapling
						Jack Pine		Low	Variable	Sapling
						Red Pine		Low	Variable	Sapling
						Red Maple		Low	Variable	Sapling
						White Spruce		Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
36	4311 - Pine, Aspen Mix	Poletimber Poor	2.3	65	51-80	N/A	OPIC - FMD: VERY ROCKY, DENSE DOGWOOD AND VIBURNUM UNDERSTORY. Very poor quality aspen with mixed conifer																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Pole</td> <td>5</td> <td>65</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td>65</td> </tr> <tr> <td>Paper Birch</td> <td>8</td> <td>Pole</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	45	Pole	5	65	White Pine	35	Log/Pole	10	65	Paper Birch	8	Pole	5		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Osier Dogwood</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Low	10 - 20 feet	Sapling	Balsam Fir	Medium	Variable	Sapling	Red Osier Dogwood	Medium	5 - 10 feet	Tall Shrub	Black Spruce	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	Red Oak	Low	10 - 20 feet	Sapling	Ironwood	Low	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	45	Pole	5	65																																																			
White Pine	35	Log/Pole	10	65																																																			
Paper Birch	8	Pole	5																																																				
Canopy Species	Density	Avg. Height	Size																																																				
Northern White Cedar	Low	10 - 20 feet	Sapling																																																				
Balsam Fir	Medium	Variable	Sapling																																																				
Red Osier Dogwood	Medium	5 - 10 feet	Tall Shrub																																																				
Black Spruce	Low	Variable	Sapling																																																				
White Pine	Low	Variable	Sapling																																																				
Red Oak	Low	10 - 20 feet	Sapling																																																				
Ironwood	Low	10 - 20 feet	Sapling																																																				
38	42200 - Natural White Pine	Sawtimber Poor	6.7	68	1-50	N/A	Regeneration completely failed in this area leaving a very low stocked white pine stand with no understory.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>100</td> <td>Log/Pole</td> <td>10</td> <td>68</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	100	Log/Pole	10	68																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	100	Log/Pole	10	68																																																			
39	4130 - Aspen	Sapling Well	12.6	13	Immature	N/A	OPIC - FMD: OI Stand Year Origin was 2006 Aspen Regen is doing very well. Fair amount of white pine left and some scattered oak.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>13</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Sapling	1	13	White Pine	15	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	White Pine	Medium	Variable	Sapling	Black Cherry	Low	5 - 10 feet	Sapling																					
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	80	Sapling	1	13																																																			
White Pine	15	Log/Pole	10																																																				
Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	Variable	Sapling																																																				
White Pine	Medium	Variable	Sapling																																																				
Black Cherry	Low	5 - 10 feet	Sapling																																																				
42	6130 - Fir, Aspen, Maple	Poletimber Medium	42.2	96	81-110	N/A	OPIC - FMD: VERY WET, WILL NOT REGENERATE WELL Very wet lowland mixed stand. Aspen logs are very old and in poor condition. Thick tag alder and balsam fir																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>40</td> <td>Pole/Log</td> <td>8</td> <td>96</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Log	14		Balsam Fir	40	Pole/Log	8	96	Red Maple	20	Log/Pole	10		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Tag Alder	High	5 - 10 feet	Tall Shrub																
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	30	Log	14																																																				
Balsam Fir	40	Pole/Log	8	96																																																			
Red Maple	20	Log/Pole	10																																																				
Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	High	Variable	Sapling																																																				
Black Spruce	Low	Variable	Sapling																																																				
Tag Alder	High	5 - 10 feet	Tall Shrub																																																				
104	6120 - Lowland Cedar	Poletimber Well	7.0	116	141-170	N/A	OPIC - FMD: OI Stand Year Origin was 1974 Cedar with sparse aspen and conifer.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>60</td> <td>Log/Pole</td> <td>11</td> <td>116</td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	60	Log/Pole	11	116	Quaking Aspen	20	Pole	8		Red Pine	10	Log	12		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Northern White Cedar	60	Log/Pole	11	116																																																			
Quaking Aspen	20	Pole	8																																																				
Red Pine	10	Log	12																																																				
Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	Variable	Sapling																																																				
105	4130 - Aspen	Sapling Medium	9.1	1	Immature	N/A	A variance was granted on 05/31/2011 for the following reason: After using the appropriate buffer along the Rainy River and excluding a wet cedar pocket for retention, the proposed 12 acre stand will be reduced to 7 acres harvestable. Aspen is regenerating well. some red maple and balsam fir mixed in																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Sapling</td> <td>1</td> <td>1</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>1</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>1</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	75	Sapling	1	1	Quaking Aspen	10	Sapling	1	1	Red Maple	10	Sapling	1	1																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	75	Sapling	1	1																																																			
Quaking Aspen	10	Sapling	1	1																																																			
Red Maple	10	Sapling	1	1																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
116	622 - Lowland Shrub	Nonstocked	42.1	69	Unspecified	No	OPIC - FMD: OI Stand Year Origin was 1950 Tag alder with a few scattered fir and spruce trees					
								Canopy Species	Density	Avg. Height	Size	
								Tag Alder	High	5 - 10 feet	Tall Shrub	
								Balsam Fir	Low	Variable	Sapling	
Black Spruce	Low	Variable	Sapling									
117	6130 - Fir, Aspen, Maple	Poletimber Medium	93.4	75	51-80	N/A	OPIC - FMD: VERY WET STAND WITH POOR ACCESS, PROBABLY WOULDN'T REGENERATE WELL. Very hummocky surface. Timber gets more dense towards the east but soils are very wet throughout.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	15	Log/Pole	10	
								Quaking Aspen	30	Log/Pole	11	75
								Balsam Fir	30	Pole	7	
								Black Spruce	15	Pole	8	
Northern White Cedar	10	Pole/Log	9									
Tag Alder	High	5 - 10 feet	Tall Shrub									
126	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	21.3	41	1-50	N/A	Very wet. Some open patches filled with tag alder. Low density trees.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	40	Pole	6	41
								Red Maple	20	Pole	6	
								Balsam Fir	30	Pole	7	
								Quaking Aspen	10	Pole	7	
Tag Alder	High	5 - 10 feet	Tall Shrub									
Gray Dogwood	Medium	5 - 10 feet	Tall Shrub									
138	4319 - Mixed Upland Forest	Sawtimber Well	22.9	76	81-110	N/A	Large amount of variability in this stand. More aspen to the NE. Stand gets wetter north of the field office.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Bigtooth Aspen	30	Log	12	76
								White Pine	20	Log/Pole	11	
								Northern White Cedar	10	Pole/Log	8	
								Black Spruce	15	Pole/Log	8	
Northern White Cedar	Low	Variable	Sapling									
Black Spruce	Low	Variable	Sapling									
Balsam Fir	High	Variable	Sapling									
Red Maple	Low	5 - 10 feet	Sapling									
139	4130 - Aspen	Sawtimber Well	5.1	78	81-110	N/A	Older aspen and other mixed deciduous.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Bigtooth Aspen	70	Log/Pole	11	78
								Red Oak	10	Log	13	
								Sugar Maple	10	Pole	8	
								Balsam Fir	Medium	Variable	Sapling	
White Pine	Low	Variable	Sapling									
White Spruce	Low	Variable	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
239	4130 - Aspen	Sawtimber Well	2.5	78	81-110	N/A	5-6 Stick aspen with some other hardwoods mixed in.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>88</td> <td>Log/Pole</td> <td>11</td> <td>78</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	88	Log/Pole	11	78	Red Oak	10	Log	13		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Osier Dogwood</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>				Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Sapling	Sugar Maple	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	Red Oak	Medium	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling	Red Osier Dogwood	Trace	5 - 10 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																												
Bigtooth Aspen	88	Log/Pole	11	78																																												
Red Oak	10	Log	13																																													
Canopy Species	Density	Avg. Height	Size																																													
Beech	Medium	Variable	Sapling																																													
Sugar Maple	Low	Variable	Sapling																																													
White Pine	Low	Variable	Sapling																																													
Red Oak	Medium	Variable	Sapling																																													
Balsam Fir	Medium	Variable	Sapling																																													
Red Osier Dogwood	Trace	5 - 10 feet	Tall Shrub																																													
401	3302 - Low Density Conifer Trees	Nonstocked	1.6		Unspecified	Managed Opening	Low density fir regeneration. Very open closer to the road. Regen gets thicker towards the woods.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling																																							
Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	5 - 10 feet	Sapling																																													
405	310 - Herbaceous Openland	Nonstocked	6.9		Unspecified	Managed Opening	OPIC - FMD: POWERLINE R.O.W.																																									
415	42220 - Natural Jack Pine	Sapling Poor	2.4	3	Immature	N/A	Low stocked jack pine seedlings																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>86</td> <td>Sapling</td> <td>1</td> <td>3</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	86	Sapling	1	3	Red Maple	10	Sapling	1																																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Jack Pine	86	Sapling	1	3																																												
Red Maple	10	Sapling	1																																													
438	122 - Road/Parking Lot	Nonstocked	1.8		Unspecified	Managed Opening	ONAWAY FIELD OFFICE																																									