



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54177

Entry Year 2020

Acreage: 300

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2018-04-25

Stand Examiner: Richard Barber

Legal Description:

T36N R01E Sec 24

Identified Planning Goals:

Multiple resource management, with the primary emphasis being recreation.

Soil and topography:

The topography of the compartment is mostly rolling with a steep bluff along the shore line of Black Lake. Soils are a mix of sands and gravel.

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

The lands to the east and west of the compartment are private resort and recreational ownership. The lands to the north are mostly state owned and are part of the Black Mountain Recreation Area.

Unique Natural Features:

One or more reported.

Archeological, Historical, and Cultural Features:

One or more reported.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Black Lake BAS is located within this compartment.

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 oak, aspen and pine provide food and cover for multiple species at a variety of age classes. We are working to maintain mast producing trees as well as keep a good age rotation of aspen in this compartment with consideration of 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

The state-owned Doriva Beach Pit is located in the compartment. It is not currently leased. There should be potential for additional sand & gravel within the compartment. There does not appear to be any bedrock non-metallic mineral potential. There has been no drilling for oil & gas in this area and there is currently no known potential. There are no active mineral leases in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access is very good.

Survey Needs:

None have been identified.

Recreational Facilities and Opportunities:

Black Lake State Forest Campground, Black Lake BAS, ORV trails, a snowmobile trail, hunting, and fishing.

Fire Protection:

Fire response is covered by the Onaway DNR office as well as the Ocqueoc/ Bearinger VFD.

Additional Compartment Information:

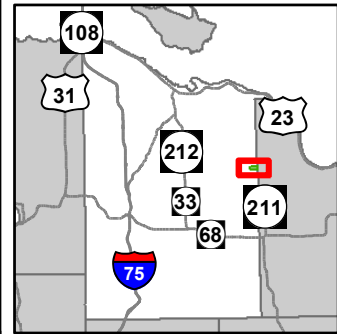
The following reports from the Inventory are attached:

- 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:

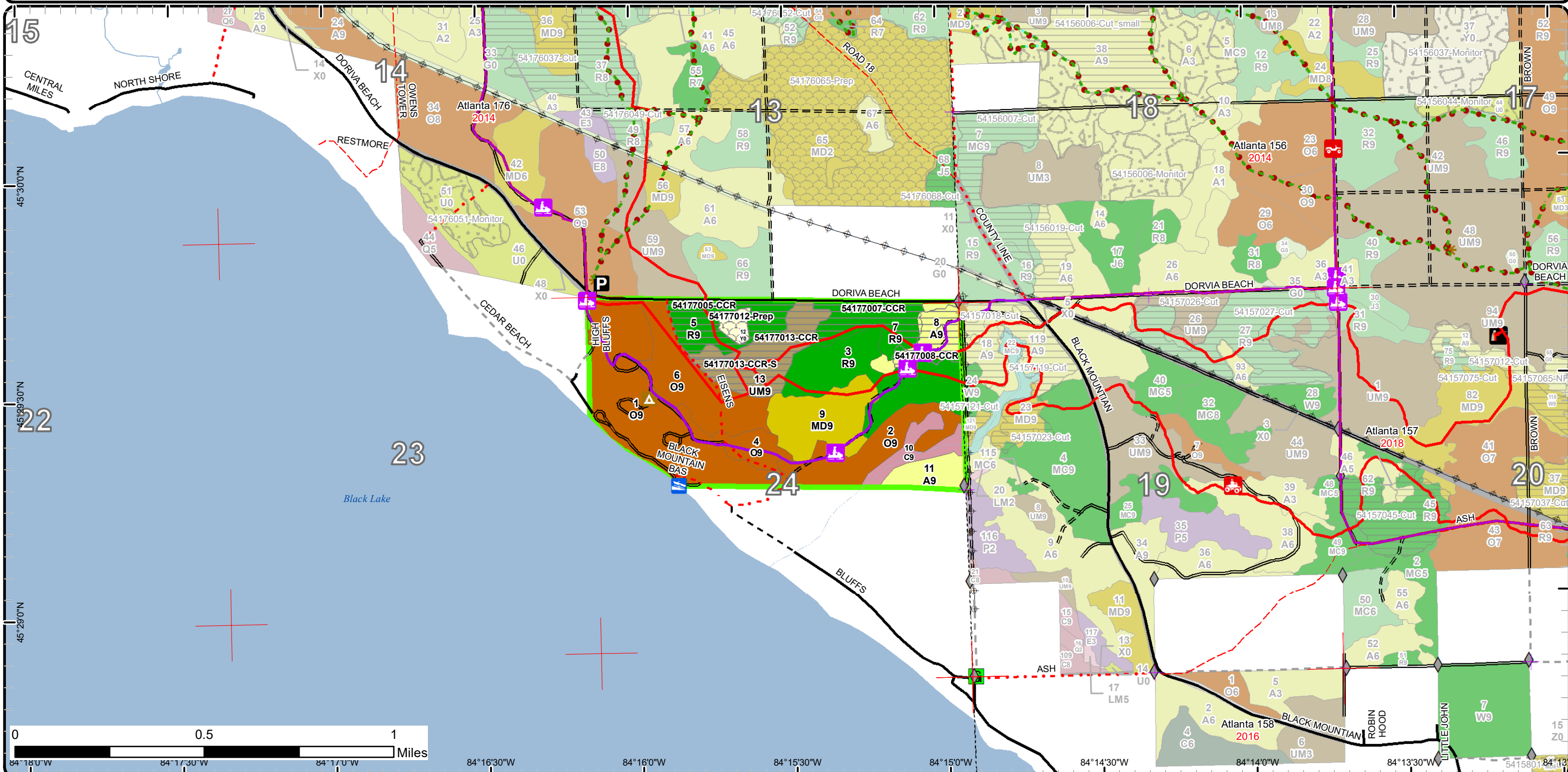
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



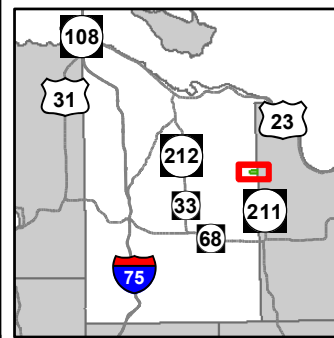
Compartment: 177
 T36N, R01E, Sec. 24
 County: Cheboygan
 Unit: Atlanta
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
 Acres: 300 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/2/2018
 Map Phase: Post-Review

- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - Federal / State - Dirt / Gravel Road
- - County - Gravel Road
- - County - Dirt Road (Seasonal)
- - Private - Dirt / Gravel Road
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Deer Blind
- Berms
- Gate
- Boating Access Site
- Campground
- Parking Lot
- Structures
- Trailhead
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 710 - Sand/Soil
- Lakes

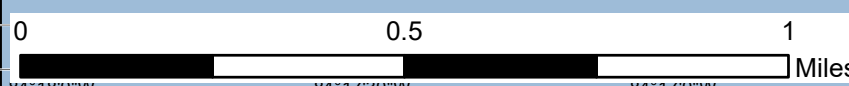
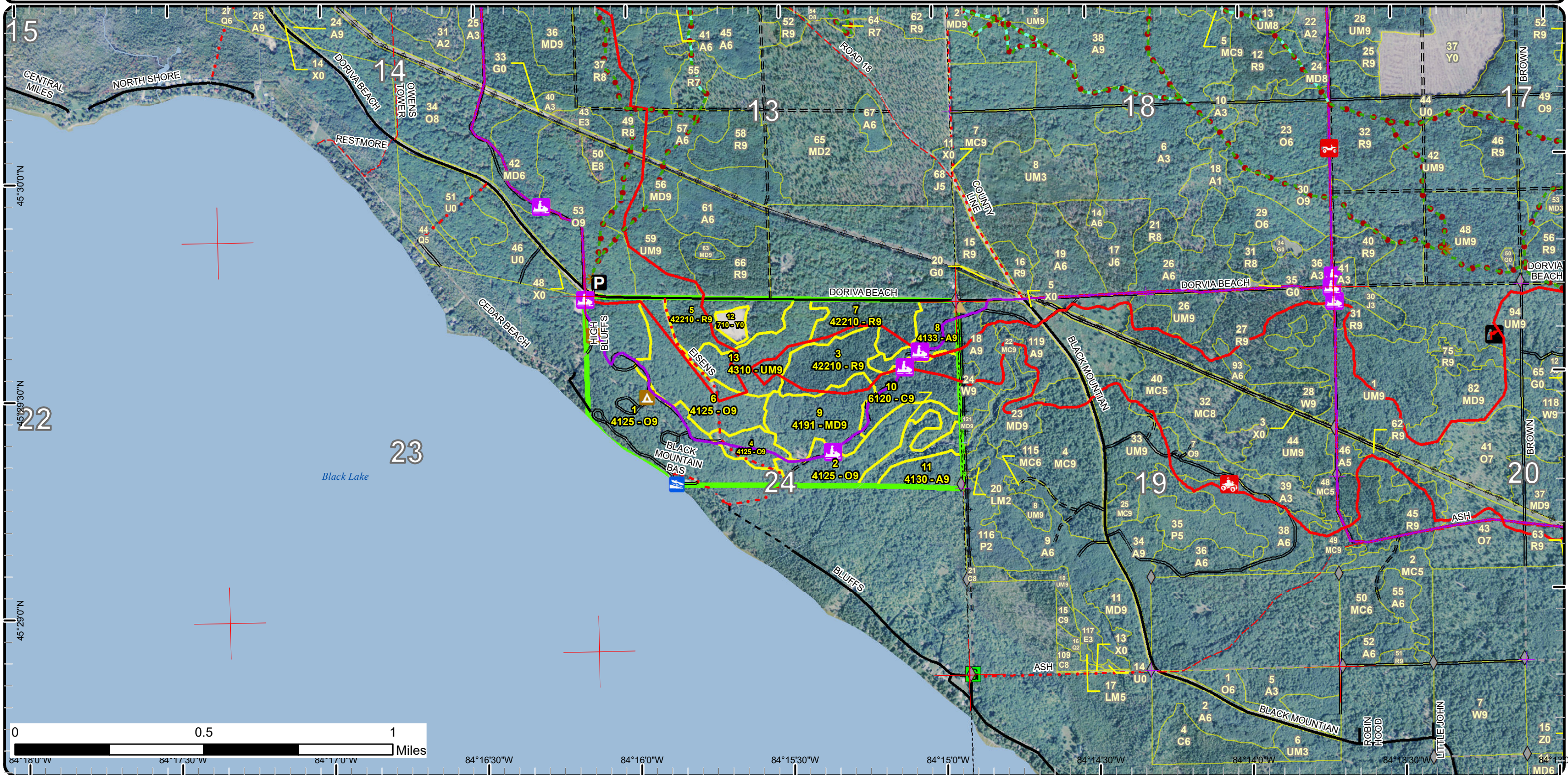


Stand Boundary Map

Compartment: 177
 T36N, R01E, Sec. 24
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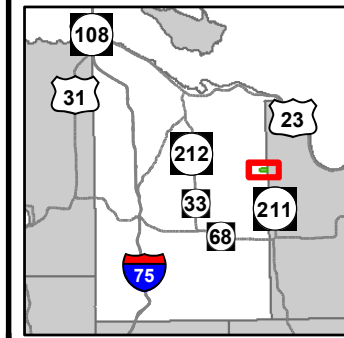


- Miris Corners
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- Counties
- DNR - Secondary Forest Road
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- Federal / State / County - Paved Road
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- - - Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
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- - - Designated ORV Route
- 🚲 Designated Snowmobile Trails
- 🦌 Deer Blind
- ▲ Berms
- G Gate
- 🚤 Boating Access Site
- ▲ Campground
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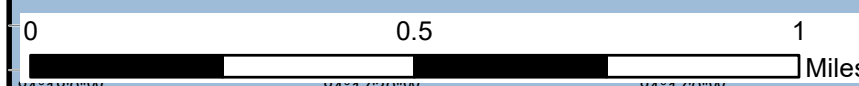
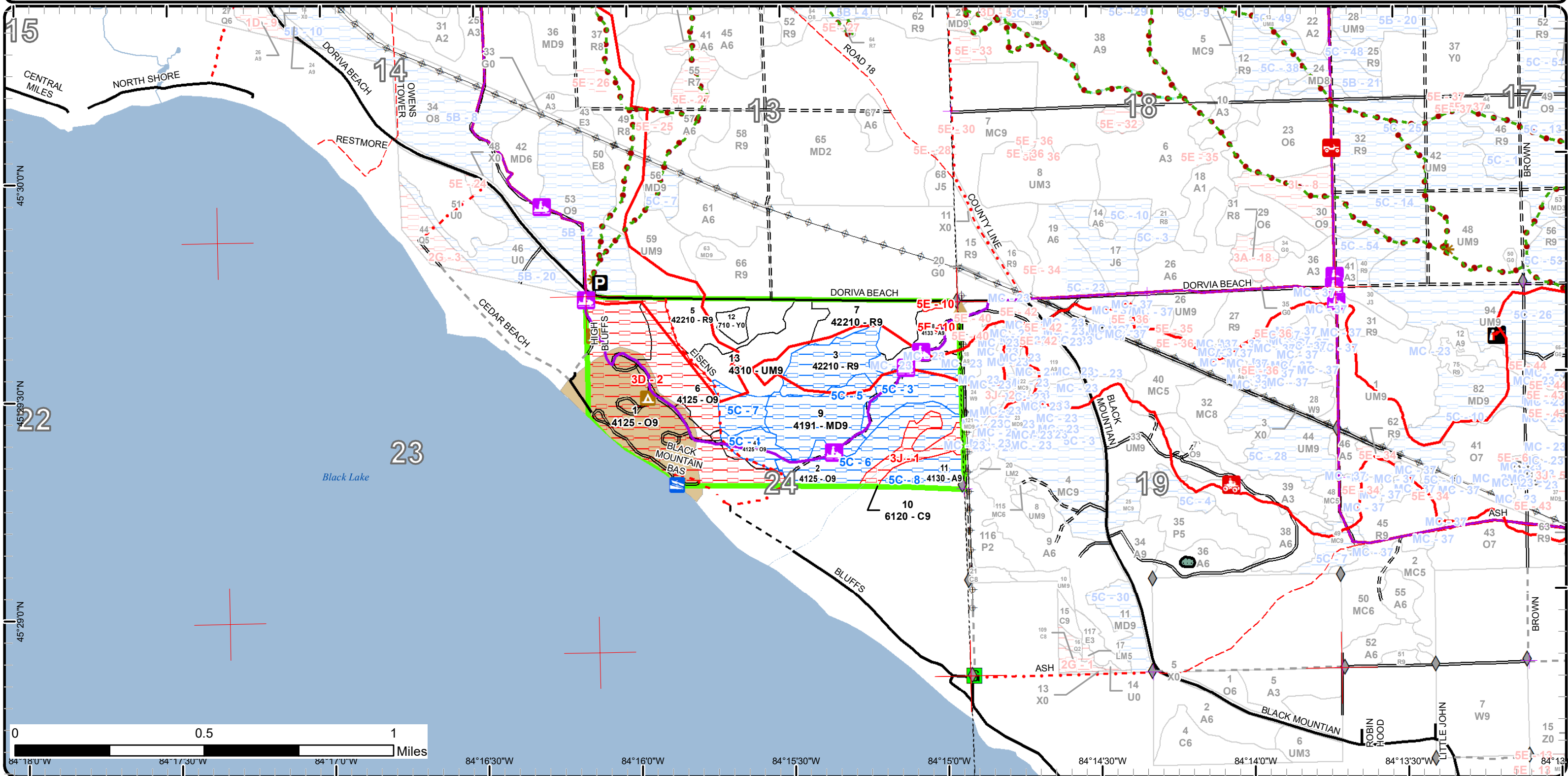


Special Conservation Areas & Site Conditions Map

Compartment: 177
 T36N, R01E, Sec. 24
 County: Cheboygan
 Unit: Atlanta
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
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|---|--|---|---|
| <ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners ◆ Field Grade Corners --- Counties — DNR - Secondary Forest Road == DNR - Forest Access Route — Federal / State / County - Paved Road - - Federal / State - Dirt / Gravel Road - . . County - Gravel Road - - - County - Dirt Road (Seasonal) - - - Private - Dirt / Gravel Road ORV Trails ORV Routes | <ul style="list-style-type: none"> — Snowmobile Trails — Designated Hiking Trails — Designated Bicycle Trails ● Designated Equestrian Trails — Designated Ski Trails — Designated ATV Trails — Designated ORV Route — Designated Snowmobile Trails Deer Blind Berms Gate Boating Access Site Campground | <ul style="list-style-type: none"> P Parking Lot Structures Trailhead Intermittent Stream Lake/Pond Perennial River Lakes and Rivers All Pipeline Powerline Compartment Boundary Available w/ Constraints Unavailable 5C: Delay treatment for age/size class diversity or exceptional site quality | <ul style="list-style-type: none"> 3D: Recreational / Scenic values 3J: Water quality / BMPs (stream, river, or lake) 5E: Long-Term Retention Stand Boundaries SCA Vernal Pool State Forest Campground |
|---|--|---|---|



84°18'0"W 84°17'30"W 84°17'0"W 84°16'30"W 84°16'0"W 84°15'30"W 84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W 84°13'0"W

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	0	0	0	0	0	10	0	0	13	0	0	0	0	0	0	0	0	23
Cedar	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	27
Oak	0	0	0	0	0	0	0	0	0	107	25	0	0	0	0	0	0	0	132
Red Pine	0	0	0	0	0	0	0	0	0	78	0	0	0	0	0	0	0	0	78
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	25
Total	4	0	0	0	0	0	10	0	10	223	52	0	0	0	0	0	0	0	299



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 177

Total Compartment Acres: 300

Commercial Harvest - 71
 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	11	0	0	0	0	0	0	0	0	11
Red Pine	35	0	0	0	0	0	0	0	0	35
Upland Mixed Forest	25	0	0	0	0	0	0	0	0	25
Total	71	0	0	0	0	0	0	0	0	71

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	71	4	0	0	0	0	0	0	0	75
Next Step	0	48	55	0	0	52	127	0	0	281
Total	71	52	55	0	0	52	127	0	0	356



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
5	54177005-CCR	19.9	42210 - Natural Red Pine	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: Any combination of red pine, white pine, oak, jack pine, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Site prep may require thermal, chemical or mechanical methods.

Comment: Use current, standard trail specs for safety and infrastructure protection.

Proposed Start Date: 10/1 /2019

7	54177007-CCR	15.1	42210 - Natural Red Pine	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: Any combination of red pine, white pine, oak, jack pine, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Site prep may require thermal, chemical or mechanical methods. Use current, standard trail specs for safety and infrastructure protection.

Comment: Also, use ORV trail for south boundary of treatment.

Proposed Start Date: 10/1 /2019

8	54177008-CCR	11.2	4133 - Aspen, Mixed Pine	Sawtimber Well	86		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: aspen, maple, fir, birch, jack pine, red pine, white pine, oak.

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Proposed Start Date: 10/1 /2017

12	54177012-Prep	3.7	710 - Sand, Soil	Nonstocked			SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription trench for planting red pine.

Specs:

Next Step Planting, Initial Plant; Planting, Replant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: Any combination of sand and red pine resulting in a low to well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Site prep may require thermal, chemical or mechanical methods.

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
13	54177013-CCR	12.8	4310 - Pine, Oak Mix	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Regen: Any combination of red pine, white pine, oak, jack pine, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Site prep may require thermal, chemical or mechanical methods.

Comment: Use current, standard trail specs for safety and infrastructure protection.

Proposed Start Date: 10/1 /2019

13	54177013-CCR-S	12.3	4310 - Pine, Oak Mix	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Any combination of aspen, maple, oak, pine or fir resulting in a medium or well stocked stand.

Regen:

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 75.0

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 177
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
23	10	12	1
10	0	0	10
27	0	27	0
132	0	41	91
78	42	36	0
4	4	0	0
25	25	0	0
300	81	117	102
	27%	39%	34%

Dominant Site Conditions

	Availability for Management				Dominant Site Conditions				
	Acres Available	Acres Avail With Condition	Acres Not Available		5C	MC	3D	3J	5E
23	10	12	1	Aspen	10	2			1
10	0	0	10	Cedar				10	
27	0	27	0	Mixed Upland Deciduous	27				
132	0	41	91	Oak	41		91		
78	42	36	0	Red Pine	36				
4	4	0	0	Sand, Soil					
25	25	0	0	Upland Mixed Forest					
300	81	117	102	Total Forested Acres	114	2	91	10	1
	27%	39%	34%	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	3J: Water quality / BMPs (stream, river, or lake)	10	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3D: Recreational / Scenic values	91	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Some portions are too steep.							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 177
Year of Entry: 2020

4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
This is long term retention from Timber Sale Name: 489 Black Mountain Mix; Sale No.: 54-023-18							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Mgt. Unit

Compartment:

Year of Entry



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 177
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4125 - Black, N. Pin Oak	Sawtimber Well	67.0	88	81-110	
2	4125 - Black, N. Pin Oak	Sawtimber Well	25.3	92	81-110	
3	42210 - Natural Red Pine	Sawtimber Well	39.6	86	171-200	
4	4125 - Black, N. Pin Oak	Sawtimber Well	8.7	88	51-80	
5	42210 - Natural Red Pine	Sawtimber Well	19.9	86	81-110	OPIC - FMD: ADJACENT TO BLACK LAKE STATE FOREST CAMPGROUND NO TREATMENT. SNOWMOBILE AND O.R.V. TRAILS PASS THROUGH STAND.
6	4125 - Black, N. Pin Oak	Sawtimber Well	31.4	88	81-110	
7	42210 - Natural Red Pine	Sawtimber Well	18.8	86	81-110	
8	4133 - Aspen, Mixed Pine	Sawtimber Well	13.0	86		
9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.9	92	81-110	
10	6120 - Lowland Cedar	Sawtimber Well	10.3	74		
11	4130 - Aspen	Sawtimber Well	10.1	55		
13	4310 - Pine, Oak Mix	Sawtimber Well	25.1	86	81-110	



Stand	Cover Type	Acres	Managed Site	General Comments:
12	710 - Sand, Soil	3.7	No	sand pit