



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54152

Entry Year 2018

Acreage: 1,988

County Presque Isle

Management Area: Hammond Bay Lake Plain

Revision Date: 2016-06-09

Stand Examiner: Ryan Zimmerman

Legal Description:

T35N, R04E, Sections 1, 2, 3, 10, 11, 12.
T36N, R04E, Sections 22 and 25.

Identified Planning Goals:

Timber and wildlife habitat in southern block. Lowland areas managed for mixture of aspen, balsam, and cedar. Northern two blocks manage for aesthetic purposes due to proximity to residential areas near the lake shore.

Soil and topography:

Soil and topography is nearly level with poorly drained and somewhat poorly drained, loamy soils on ground moraines and outwash plains on the northeast of the southern block. The southwest of the southern block is nearly level with poorly drained, mucky soils on outwash, till plains, and moraines. The northern two blocks are mostly level with a few steep slopes. sandy will drained soils on outwash plains, eskers, and near beach ridges.

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

Northern 2 blocks are surrounded by residential lands near lake shore. Southern block has hunting camps around most of the area. To the Northeast of the southern block is Hoeft state park.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Bald Eagles nest was spotted in 2012 just to the northwest of the southern block off the northwest corner(stand 1). This was not within the compartment. In 2008 there was also an eastern massasauga snake spotted off the southwest corner of the southern block (stand 7) but not within the compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

No fisheries or watershed concerns. Fisheries is not present in this compartment.

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is an independent compartment in Presque Isle county, providing wildlife and timber management in an area primarily consisting of private property. Habitat components of heavy aspen and lowlands 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. Some areas are too wet to harvest, which provides habitat qualities of older age class timber. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species. Great habitat for deer and grouse. Mixed lowland areas in the southern block.

Mineral Resource and Development Concerns and/or Restrictions

Vehicle Access:

Minimal vehicle access in the southern block. The northern two blocks have very good vehicle access due to being near the lake shore with residential land surrounding them.

Survey Needs:

Recreational Facilities and Opportunities:

There is a snowmobile trail that runs through stand 56 on the northeast section of it. No other recreation trails through this compartment.

Fire Protection:

No fire concerns due to very wet nature of this compartment.

Additional Compartment Information:

Beneath the glacial drift are the Devonian Dundee Limestone and Detroit River Group. These rocks are or could be used for stone. The Dundee is quarried nearby at Rogers City. Active sand/gravel pits are located in sections 8 and 24 and there is potential for additional sand and gravel within the compartment. Potential appears to be especially good in Section 22. This area has had limited drilling for oil and gas. Niagaran reef oil and gas production has occurred seven miles to the south. There are currently no active state mineral leases in the area.

The following reports from the Inventory are attached:

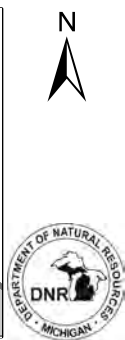
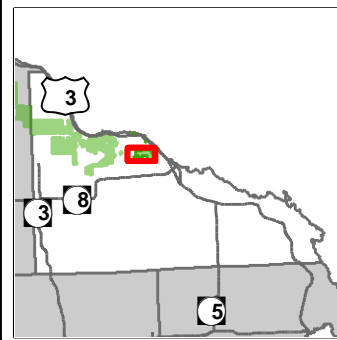
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

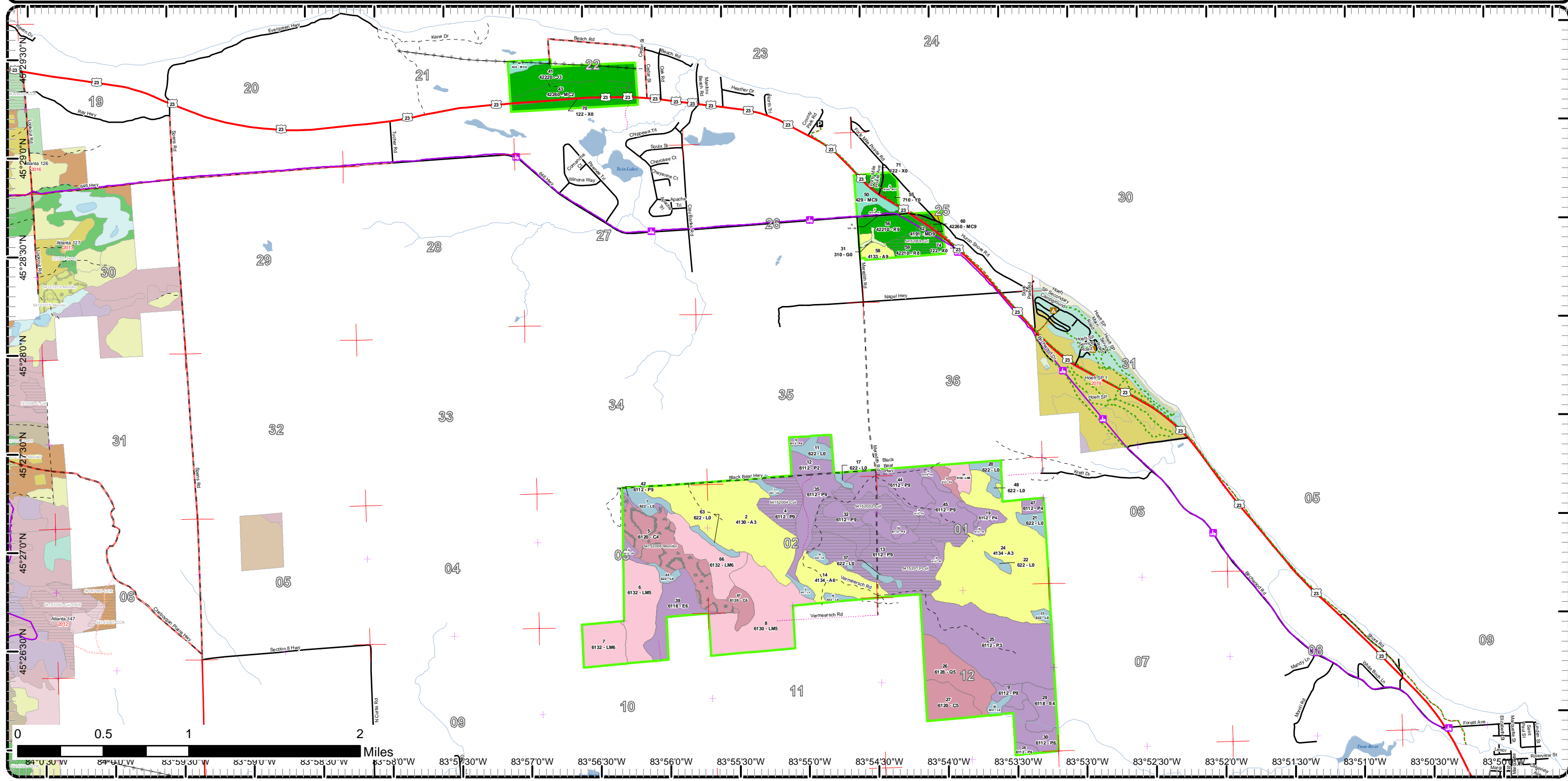
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

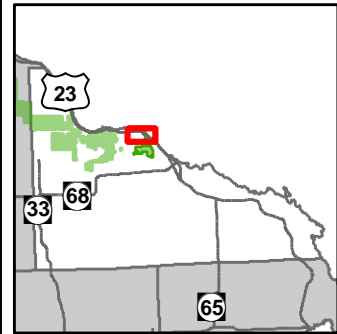
Compartment: 152
 T35N, R04E, Sec: 01-03, 10-12
 T36N, R04E, Sec: 22, 25, 35
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Hammond Bay Lake Plain
 YOE: 2018
 Acres: 1,988 GIS Calculated
 Examiner: Ryan Zimmerman
 Map Revised: 10/6/2016
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- ▲ Campground
- P Parking Lot
- Snowmobile Trails
- - - Designated Hiking Trails
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- - - Designated Snowmobile Trails
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- Compartment Boundary
- Clearcut (w/Reserves)
- Regeneration Survey
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland

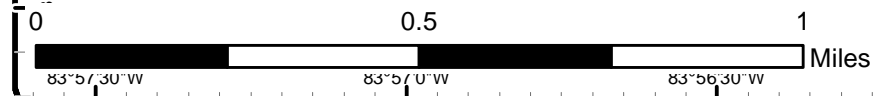
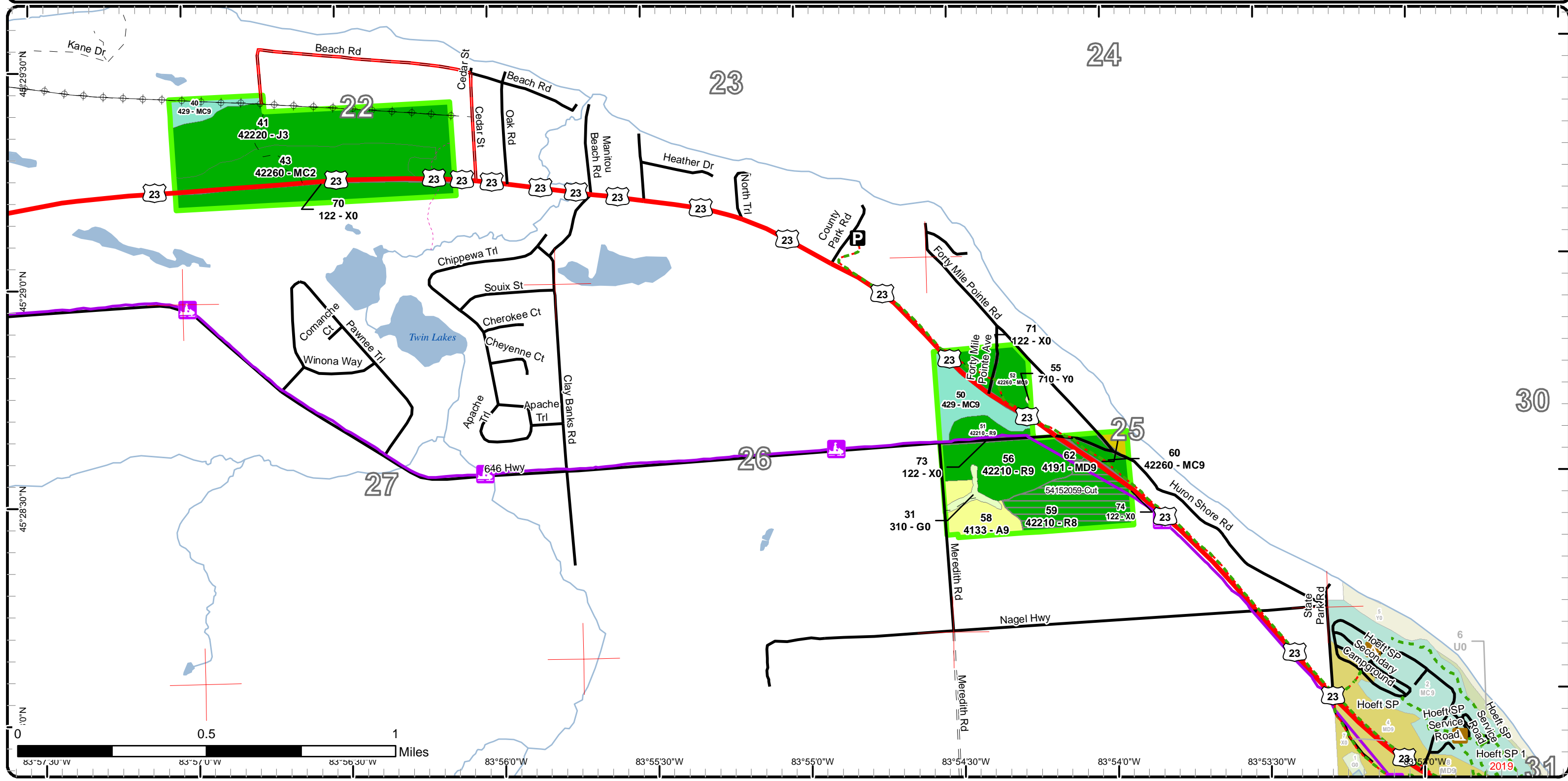


Cover Type & Treatments Map



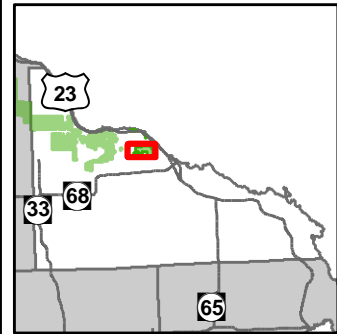
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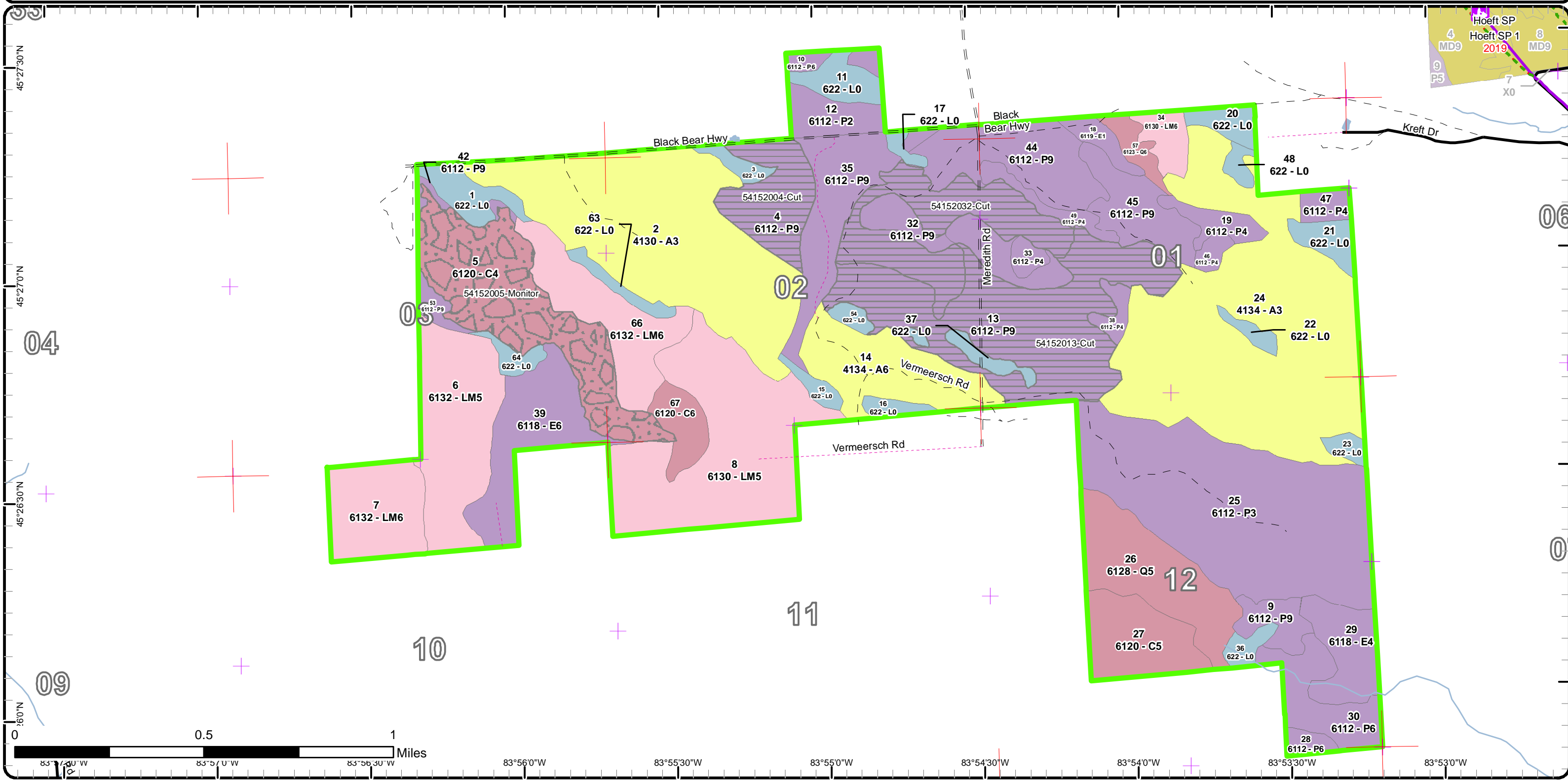
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Cover Type & Treatments Map



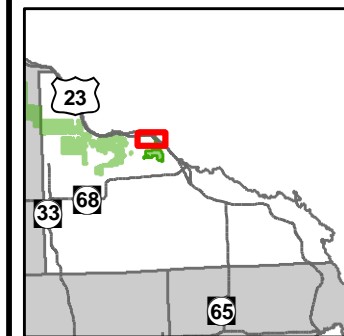
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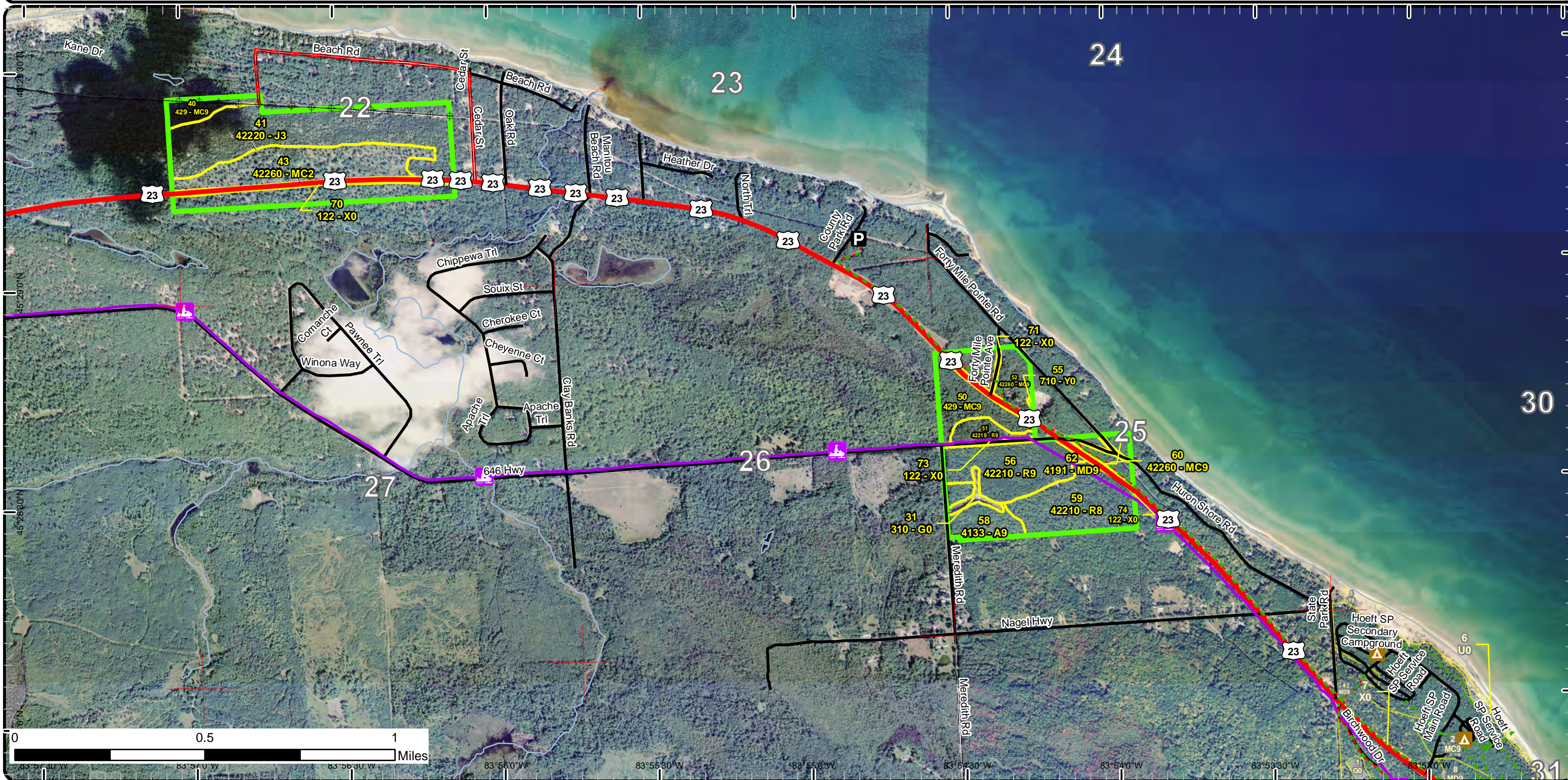


Stand Boundary Map

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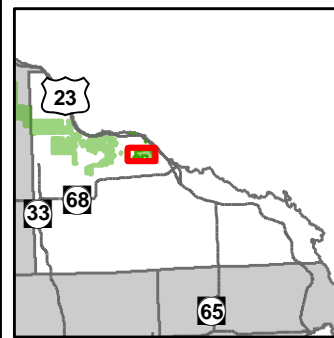


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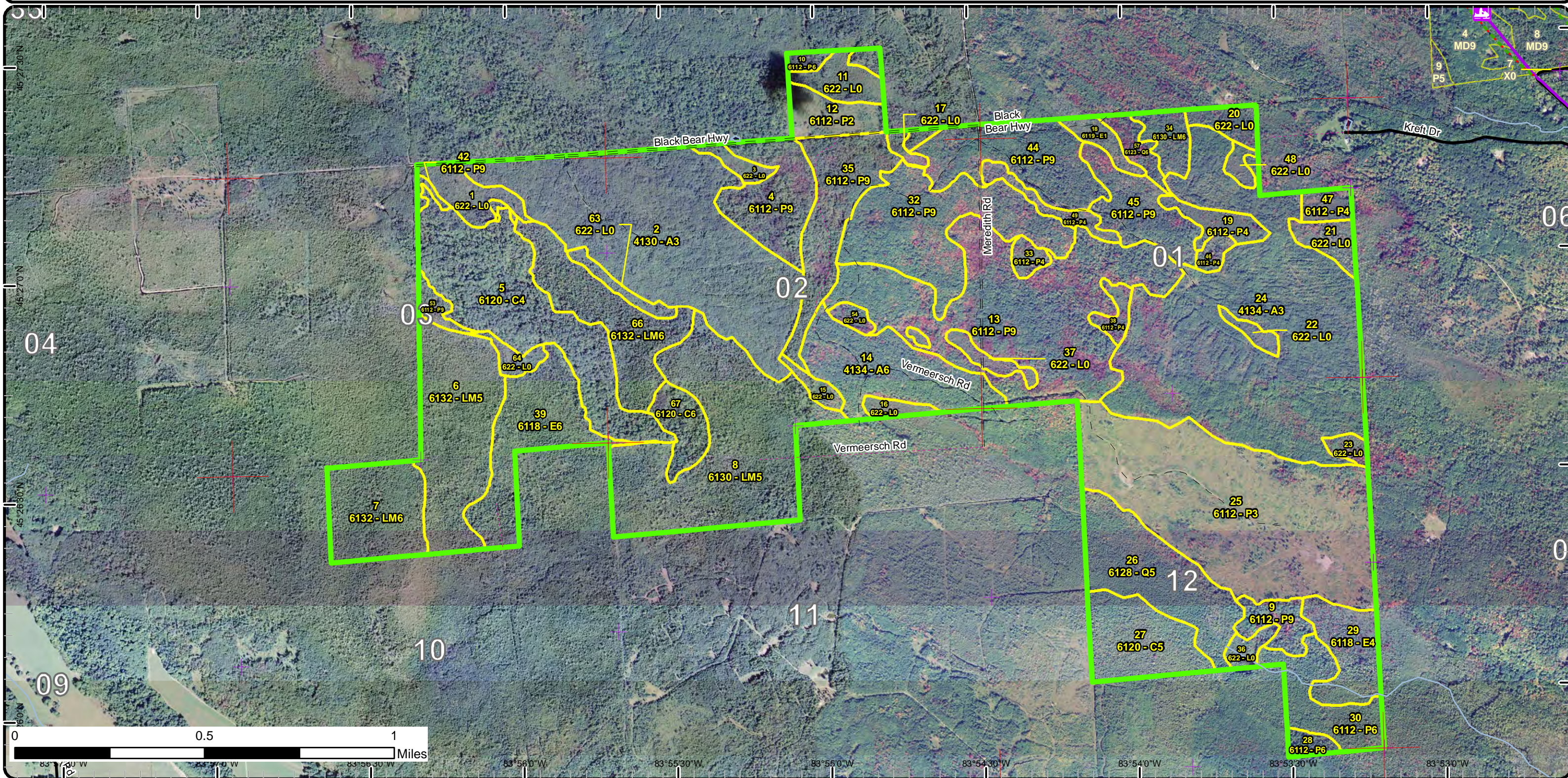


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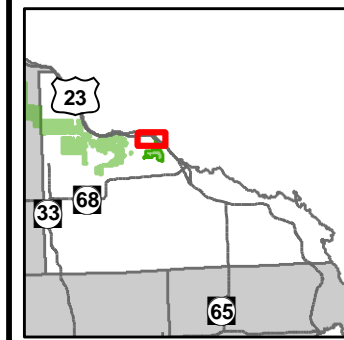


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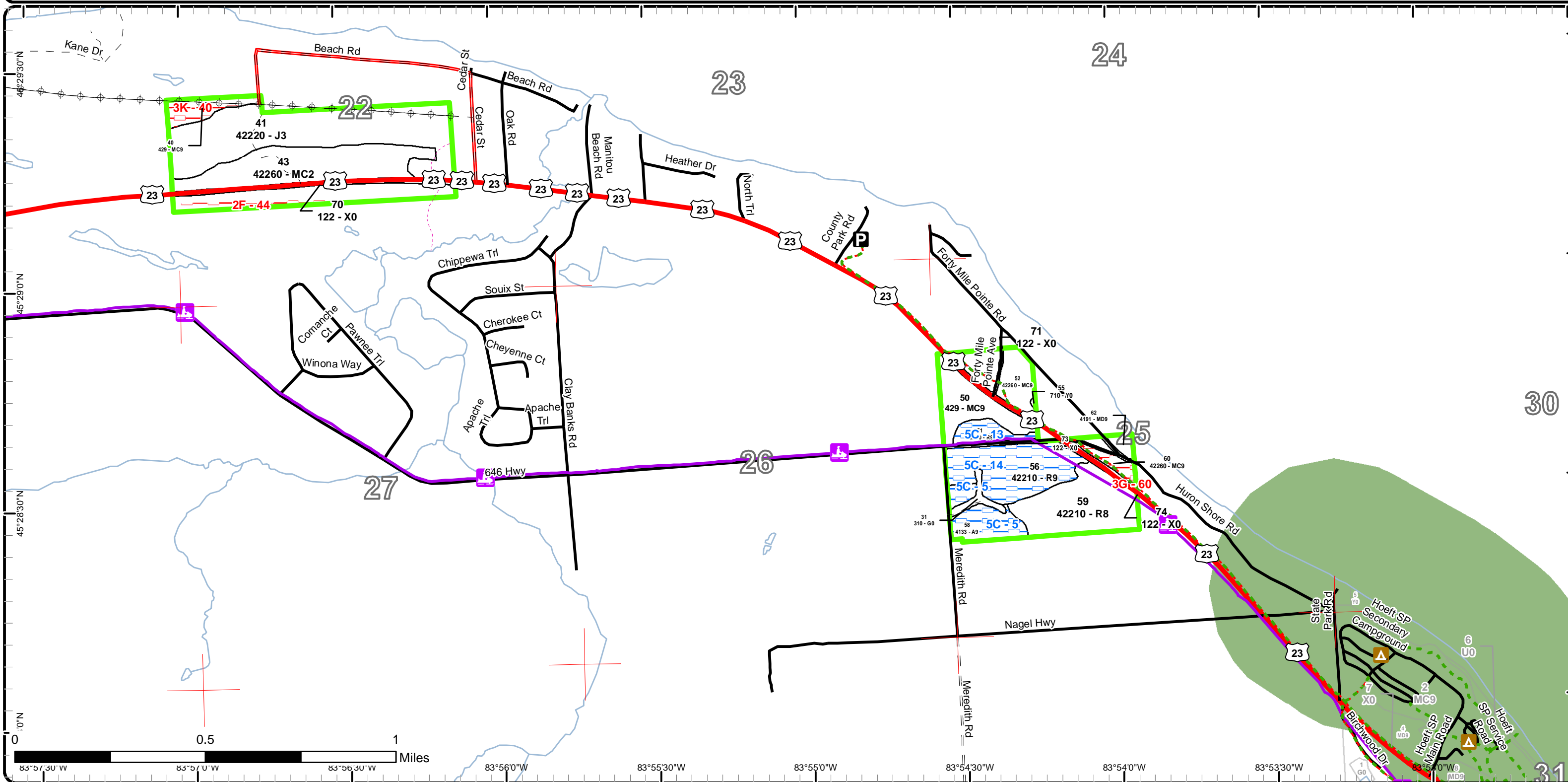


Special Conservation Areas & Site Conditions Map

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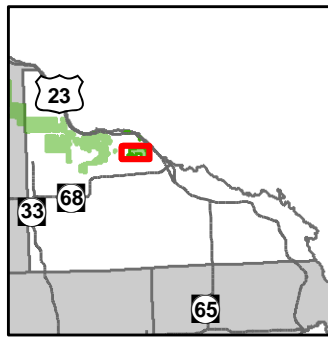


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 3G: Other Influence zones - See comments
- 3K: Rare or unique landforms
- Stand Boundaries
- Critical Coastal Habitat (Piping Plover)

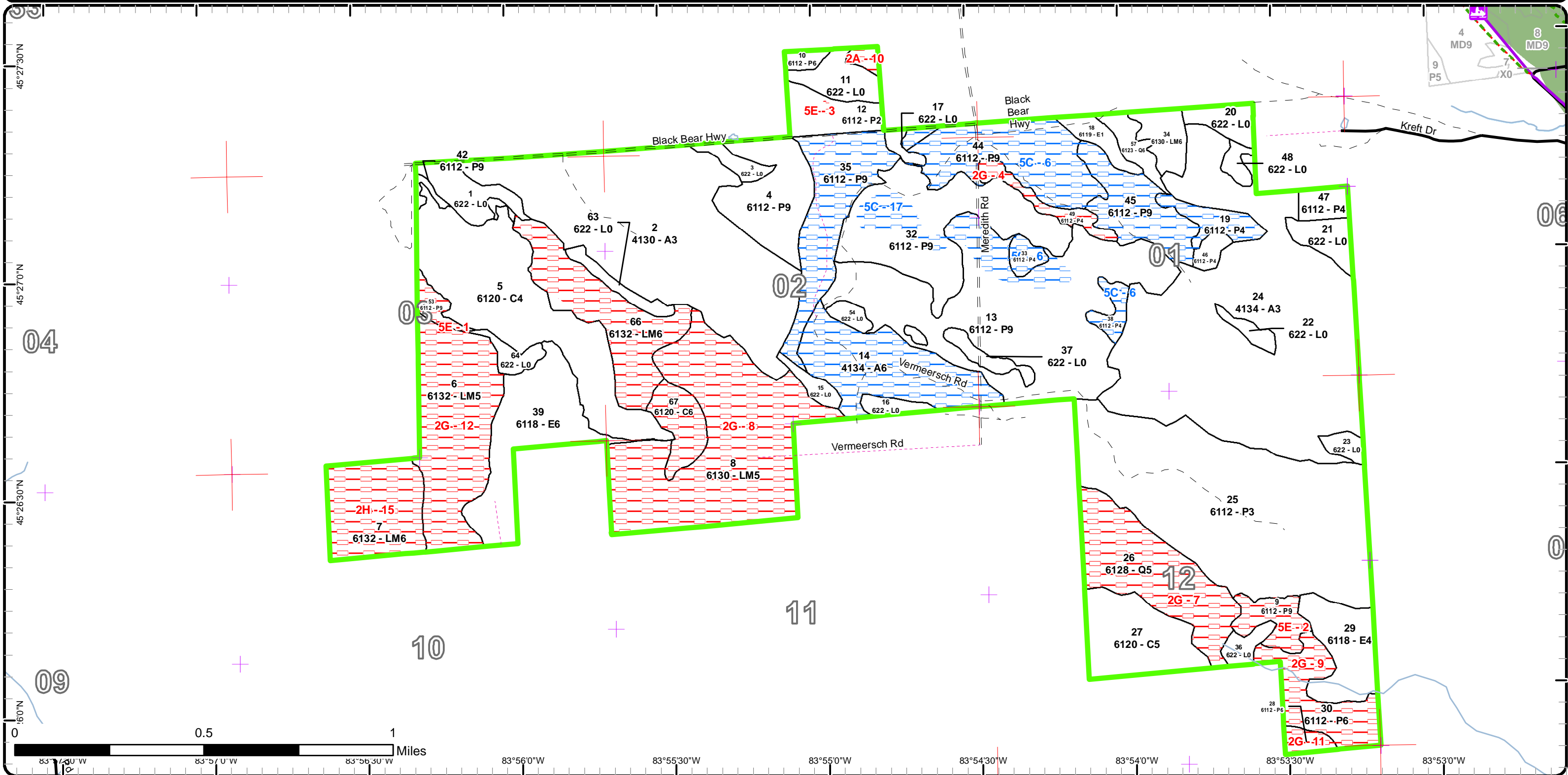


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 - - - Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
 - 2A: Adjacent landowner denied access
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 5E: Long-Term Retention
 - Stand Boundaries
 - Critical Coastal Habitat (Piping Plover)
 - Cold Water Streams



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 152 Year of Entry 2018

Ryan Zimmerman : Examiner



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 | 372 | 0 | 0 | 51 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 435 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 138 |
| Herbaceous Openland | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Jack Pine | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| Lowland Aspen/Balsam Poplar | 0 | 183 | 0 | 7 | 0 | 0 | 397 | 0 | 54 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 649 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 11 | 108 | 0 | 119 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 284 |
| Lowland Shrub | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Natural Mixed Pines | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| Sand, Soil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| Urban | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Total | 123 | 183 | 55 | 437 | 0 | 11 | 621 | 0 | 205 | 100 | 157 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 1988 |



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 152

Total Compartment Acres: 1,988

Commercial Harvest - 246
 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 |
|-----------------------------|------------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Lowland Aspen/Balsam Poplar | 219 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 |
| Red Pine | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Total | 246 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|-----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 246 | 0 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 333 |
| Next Step | 0 | 55 | 27 | 0 | 0 | 82 | 273 | 0 | 0 | 438 |
| Total | 246 | 55 | 27 | 0 | 0 | 82 | 361 | 0 | 0 | 771 |



| 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 |
|-----------------------|----------------|-------|-------------------------|-------------------|-----------|----------|----------------|----------------------------|-------------------------------|---------------|-------------------------|
| 4 | 54152004-Cut | 35.0 | 6112 - Lowland Aspen | Sawtimber Well | 71 | 81-110 | Harvest | Clearcut with Retention | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Final harvest with 2 inch spec. Retain pockets of cedar and hemlock. Focus retention around low areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Mix of aspen, red maple, balsam fir, and birch.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|---|------------------|------|-------------------------|-------------------|----|------|------------|--------------------------------|-------------------------|-----------|-------------------------|
| 5 | 54152005-Monitor | 87.3 | 6120 - Lowland Cedar | Poetimber Poor | 90 | 1-50 | Monitoring | Natural Regen (Re-Inventry) | 6112 - Lowland Aspen | Even-Aged | Draft Field Boundary |
|---|------------------|------|-------------------------|-------------------|----|------|------------|--------------------------------|-------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Regeneration survey during re-inventry in 2026.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration will be a mix of aspen, balsam fir, and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2025

| | | | | | | | | | | | |
|----|--------------|-------|-------------------------|-------------------|----|--------|---------|----------------------------|-------------------------|-----------|-------------------------|
| 13 | 54152013-Cut | 123.1 | 6112 - Lowland Aspen | Sawtimber Well | 58 | 81-110 | Harvest | Clearcut with Retention | 6112 - Lowland Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|-------|-------------------------|-------------------|----|--------|---------|----------------------------|-------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention focused around low wet areas as well as cedar and hemlock pockets.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Acceptable regeneration will be a mix of aspen, balsam fir, and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------|------|-------------------------|-------------------|----|--------|---------|----------------------------|-------------------------|-----------|-------------------------|
| 32 | 54152032-Cut | 60.5 | 6112 - Lowland Aspen | Sawtimber Well | 57 | 81-110 | Harvest | Clearcut with Retention | 6112 - Lowland Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|------|-------------------------|-------------------|----|--------|---------|----------------------------|-------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention focused around low wet areas as well as cedar and hemlock pockets.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Acceptable regeneration will be a mix of aspen, balsam fir, and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------|-------|--------------------------|------------------|-----------|----------|----------------|-------------------------|-------------------------|---------------|----------------------|
| 59 54152059-Cut | 27.4 | 42210 - Natural Red Pine | Sawtimber Medium | 81 | 51-80 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Clearcut with retention focused near US 23 for visual. 2" cutting spec with required chipping. Also include trail protection specs to protect snowmobile trail. Have low stump requirements. Leave as close to 1/6 of slash as possible. Will have follow up with spraying if needed, along with trench and plant to red pine.

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)
Treatments:

Acceptable This will be planted red pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 333.3**

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 152

Year of Entry: 2018

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Acres Not Available | | Dominant Site Conditions | | | | | | | | | |
|----------------|--------------------|----------------|--|------------------------|-----------------------------|--------------------------|----|----|-----|----|----|----|----|----|----|
| | | With Condition | | | | 5C | 2A | 2F | 2G | 2H | 3G | 3K | 5E | | |
| 435 | 372 | 63 | | 0 | Aspen | 63 | | | | | | | | | |
| 138 | 123 | 0 | | 15 | Cedar | | | | 15 | | | | | | |
| 3 | 3 | 0 | | 0 | Herbaceous Openland | | | | | | | | | | |
| 58 | 58 | 0 | | 0 | Jack Pine | | | | | | | | | | |
| 649 | 416 | 170 | | 64 | Lowland Aspen/Balsam Poplar | 170 | 3 | | 43 | | | | | | 19 |
| 62 | 8 | 0 | | 54 | Lowland Conifers | | | | 54 | | | | | | |
| 83 | 83 | 0 | | 0 | Lowland Deciduous | | | | | | | | | | |
| 284 | 13 | 0 | | 272 | Lowland Mixed Forest | | | | 232 | 40 | | | | | |
| 106 | 106 | 0 | | 0 | Lowland Shrub | | | | 0 | | | | | | |
| 2 | 2 | 0 | | 0 | Mixed Upland Deciduous | | | | | | | | | | |
| 73 | 65 | 0 | | 8 | Natural Mixed Pines | | | 4 | | | 3 | | | | |
| 59 | 27 | 32 | | 0 | Red Pine | 32 | | | | | | | | | |
| 0 | 0 | 0 | | 0 | Sand, Soil | | | | | | | | | | |
| 22 | 15 | 0 | | 7 | Upland Conifers | | | | | | | | | 7 | |
| 14 | 14 | 0 | | 0 | Urban | | | | | | | | | | |
| 1,988 | 1,303 | 265 | | 420 | Total Forested Acres | 265 | 3 | 4 | 344 | 40 | 3 | 7 | | 19 | |
| | 66% | 13% | | 21% | 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 | Dominant Site Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|--|--------------------|----------------------------|-------------------------|-------------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 5E: Long-Term Retention | 5 | Unspecified | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Long term retention from harvest in stand 5. | | | | | | | | |
| 2 | Unavailable | 5E: Long-Term Retention | 13 | Unspecified | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: area retention for stand 25 | | | | | | | | |
| 3 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: .5 acre retention pocket within stand 12 | | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit

Compartment: 152

Ryan Zimmerman : Examiner

Year of Entry: 2018

| | | | | | | | |
|--|--------------------|---|-----|--|-------------|-------------|-------------|
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Too wet and very low stocking and quality. | | | | | | | |
| 5 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 12 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 192 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 54 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 179 | 4A: No Markets Available for these Forest Products | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 29 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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|---|--------------------|---|----|---|-------------|-------------|-------------|
| 10 | Unavailable | 2A: Adjacent landowner denied access | 3 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 68 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Area is very wet. Many small pockets of tag alder throughout stand. | | | | | | | |
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Recently thinned in 2012. | | | | | | | |
| 14 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 27 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Recently thinned in 2012. | | | | | | | |
| 15 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 40 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Unable to access site to harvest due to low nature of surrounding area. | | | | | | | |

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| | | | | | | | |
|--|-------------|--|----|----------------------------------|-------------|-------------|-------------|
| 17 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 28 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: Retain until next inventory cycle for wildlife corridor.</p> | | | | | | | |
| 40 | Unavailable | 3K: Rare or unique landforms | 7 | 2F: Too steep | Unspecified | Unspecified | Unspecified |
| <p>Comments:</p> | | | | | | | |
| 44 | Unavailable | 2F: Too steep | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments:</p> | | | | | | | |
| 60 | Unavailable | 3G: Other Influence zones - See comments | 3 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| <p>Comments:</p> | | | | | | | |

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 |
|--------------------------|-----------------------------|---|
| HCVA | Designated Critical Habitat | Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 2 | 4130 - Aspen | Sapling Well | 156.8 | 23 | Immature | Small pockets of tagalder mixed in low areas. Good aspen regeneration throughout the stand. |
| 4 | 6112 - Lowland Aspen | Sawtimber Well | 35.0 | 71 | 81-110 | OPIC - FMD: Winter Cut. Northern area of stand may be to wet to treat, look at ground conditions in the fall. Scattered Ash, Birch, and balsam fir. No cut cedar or pine if present. Mixture of Hdwd and aspen regeneration is acceptable. |
| 5 | 6120 - Lowland Cedar | Poletimber Poor | 87.3 | 90 | 1-50 | Mixture of aspen, red maple and white pine is acceptable regeneration. Stand was cut in Feb 2016. Left cedar and hemlock. East side of stand is fairly wet. Pockets of cedar in south portion and on the east side of the south half. Access was through private land off of Black Bear Hwy. Lots of deer activity in this area. There were 2 landings in this sale. One on the north by the entrance from private land and another halfway down the stand. Total area cut was 89 acres. Higher rocky area runs through the middle of the stand from the NW corner down to the SE area of the stand (old haul road on the high ridge) |
| 6 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Medium | 67.7 | 54 | 51-80 | OPIC - FMD: Poor access into stand. Very wet in many areas. Heavy to tag alder in north end. Variable stocking within stand. |
| 7 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Well | 39.9 | 57 | 81-110 | Poor access into stand. East edge is very wet along with the south edge. |
| 8 | 6130 - Fir, Aspen, Maple | Poletimber Medium | 118.5 | 73 | 51-80 | Variable stand with species and stocking. Some areas heavy to tag alder. Pockets of aspen that is more dense than others. Some very low stocked areas. |
| 9 | 6112 - Lowland Aspen | Sawtimber Well | 12.8 | 74 | 81-110 | 13.5 acres were left as retention from original stand 25. 2016- Pockets of Cedar doing well, individual leave trees are not. Good regeneration throughout the stand. Old skid trails and haul roads have standing water in them. |
| 10 | 6112 - Lowland Aspen | Poletimber Well | 6.1 | 74 | 51-80 | OPIC - FMD: No access to stand. Very wet on west half. Low stocking in stand. Low quality as well. |
| 12 | 6112 - Lowland Aspen | Sapling Medium | 15.9 | 5 | Immature | OPIC - FMD: Winter Cut. Do not cut scattered Hemlock or Cedar. Areas of blowdown. Pocket of heavy cedar in NW corner of stand. May want to keep operations out of cedar area. Mixture of conifer, aspen and red maple is acceptable regeneration. Received variance to treat stand in dry summer or winter conditions on 07/14/2008. CNS Cutting was complete on March 3, 2011. A a retention pocket of 0.5 acres was left in the center of the stand. The stand was clearcut with the exception of Hemlock and Cedar. KMO 2016: 2000+ TPA in most areas. Good regeneration. |
| 13 | 6112 - Lowland Aspen | Sawtimber Well | 138.9 | 58 | 81-110 | OPIC - FMD: Large stand of low ground aspen. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Pockets of small lowlands within stand. Very wet in areas. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|--|
| 14 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 51.2 | 58 | 51-80 | Very good access. Dominated by aspen with balsam fir that is about 1-2 sticks. Has some pockets of heavy balsam fir. |
| 18 | 6119 - Mixed Lowland Deciduous Forest | Sapling Poor | 7.5 | 53 | 1-50 | Low area with standing water. Ash is dying. 2 track runs through north edge to private cabin. Very wet with very poor quality and low volume trees. |
| 19 | 6112 - Lowland Aspen | Poletimber Poor | 10.3 | 51 | 1-50 | Very low stocking with low quality trees. Standing water in many areas as well. |
| 24 | 4134 - Aspen, Spruce/Fir | Sapling Well | 214.8 | 25 | Immature | OPIC - FMD: Some low areas with standing water. Some of the old skid trails are rutted as well as main road. Two illegal blinds were found. |
| 25 | 6112 - Lowland Aspen | Sapling Well | 166.6 | 5 | Immature | OPIC - FMD: Featured species is log sized. Winter cut. Build road from North down high ridge. Ridge in center of stand is E/B type. No cut Cedar or Hemlock. Lots of striped maple in stand. Mixture of aspen, birch, maple and pine is acceptable regen. Received variance to treat stand in dry summer or winter conditions on 07/14/2008. CNS Harvest was complete on March 4, 2011. 13.5 acres were left as retention on the southern end of the stand. Hemlock and Cedar were not including in the harvest. KMO2016- Pockets of Cedar doing well, individual leave trees are not. Good regeneration throughout the stand. Old skid trails and haul roads have standing water in them. |
| 26 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 54.0 | 91 | 51-80 | OPIC - FMD: Lots of Standing water. Dominated by cedar. Very wet with standing water in the winter. |
| 27 | 6120 - Lowland Cedar | Poletimber Medium | 35.7 | 106 | 51-80 | Very poor access into stand through state land. |
| 28 | 6112 - Lowland Aspen | Poletimber Well | 4.8 | 58 | 81-110 | OPIC - FMD: Very poor access into stand through state land. Dominated by Aspen. Wet pockets on west side of stand. Lower quality trees. |
| 29 | 6118 - Lowland Deciduous with Cedar | Poletimber Poor | 26.3 | 71 | 1-50 | OPIC - FMD: low areas with standing water Very low stocking and poor quality. Barley qualifies as being stocked. Too wet to harvest. |
| 30 | 6112 - Lowland Aspen | Poletimber Well | 28.7 | 54 | 81-110 | OPIC - FMD: Very poor access into stand through state land. 2016: Very wet in areas. Variable stocking throughout the stand. The Southeast part of the stand has the wettest areas along with the north central area. |
| 32 | 6112 - Lowland Aspen | Sawtimber Well | 70.6 | 57 | 81-110 | OPIC - FMD: Large stand of low ground aspen. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Canopy composed mostly of aspen with some balsam fir. Very good access to stand. |
| 33 | 6112 - Lowland Aspen | Poletimber Poor | 4.7 | 51 | 1-50 | Very low stocking with patches of trees. Very poor quality with standing water in areas. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|--|
| 34 | 6130 - Fir, Aspen, Maple | Poletimber Well | 11.2 | 49 | 51-80 | OPIC - FMD: Large stand of low ground aspen and balsam fir. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Pockets of cedar or hemlock mixed throughout the northern half of stand. Good deer and grouse habitat. |
| 35 | 6112 - Lowland Aspen | Sawtimber Well | 44.8 | 56 | 81-110 | Large stand of low ground aspen. North part of stand is pretty wet. Good deer and grouse habitat. |
| 38 | 6112 - Lowland Aspen | Poletimber Poor | 5.9 | 51 | 1-50 | Very low stocking with patches of trees. Very poor quality with standing water in areas. |
| 39 | 6118 - Lowland Deciduous with Cedar | Poletimber Well | 48.8 | 57 | 81-110 | Poor access into stand. South half is very wet. |
| 40 | 429 - Mixed Upland Conifers | Sawtimber Well | 6.8 | 96 | 81-110 | Neighbors to north recently harvested. Has site condition of rare or unique landforms. Did not find any comments as to what it was or notice what it could have been. |
| 41 | 42220 - Natural Jack Pine | Sapling Well | 57.6 | 25 | Immature | OPIC - FMD: OI Stand Year Origin was 1991 |
| 42 | 6112 - Lowland Aspen | Sawtimber Well | 3.1 | 90 | 51-80 | Retention from stand 5 cut that was completed Feb. 18 2016. Low ground area with lower stocking. |
| 43 | 42260 - Natural Pine, Mixed Deciduous | Sapling Medium | 54.8 | 15 | Immature | OPIC - FMD: Stand was cut in 2001, Jack Pine is seeding in. No treatments necessary at this time. Monitor JP survival and plant if necessary next entry. Jack pine stand with oak overstory. Jack pine has seeded into this area nicely and is also dominating this stand. |
| 44 | 6112 - Lowland Aspen | Sawtimber Well | 46.2 | 57 | 81-110 | OPIC - FMD: Large stand of low ground aspen. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Canopy composed mostly of aspen with some balsam fir. Very good access to stand. |
| 45 | 6112 - Lowland Aspen | Sawtimber Well | 29.2 | 58 | 81-110 | OPIC - FMD: Large stand of low ground aspen. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Pockets of small lowlands within stand. Very wet in areas. |
| 46 | 6112 - Lowland Aspen | Poletimber Poor | 4.2 | 51 | 1-50 | Very wet in areas with standing water. Low stocking with very low quality. |
| 47 | 6112 - Lowland Aspen | Poletimber Poor | 7.0 | 25 | 1-50 | Low area with tag alder. Very low stocking with barley 25% canopy cover. Very poor quality. |
| 49 | 6112 - Lowland Aspen | Poletimber Poor | 9.0 | 51 | 1-50 | Lowland with very low stocking. Hardly meets the 25% canopy cover. When black ash is dead will convert to upland shrub most likely. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|---------------------|-------|--------------|-------------|---|
| 50 | 429 - Mixed Upland Conifers | Sawtimber Well | 14.8 | 81 | 81-110 | OPIC - FMD: Leave for Visual Management. Had Timber Trespass in stand summer 2005. CO Milkowski handled the case. Wet ground to the west end. Dominate understory of balsam fir. |
| 51 | 42210 - Natural Red Pine | Sawtimber Well | 5.4 | 81 | 81-110 | OPIC - FMD: Red Pine Pole stand, with a subcanopy of Hemlock in areas. Protect Hemlock when treating. T-Sale# 54-003-08-01 (23-646 Red Pine) completed in 2011 -residual BA is 80 Hemlock mostly located on west end. 2016 BA 90 |
| 52 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 13.9 | 84 | 81-110 | OPIC - FMD: Steep Slope in middle of stand. Mixed stand with dominate species of red pine. Bike trail runs through south part of stand. |
| 53 | 6112 - Lowland Aspen | Sawtimber Well | 5.4 | 90 | 51-80 | Retention from harvest in stand 5. Low wet area. |
| 56 | 42210 - Natural Red Pine | Sawtimber Well | 26.5 | 83 | 81-110 | OPIC - FMD: Red Pine Pole stand, with a subcanopy of Hemlock in areas. Protect Hemlock when treating. Small Strip of cedar to west end of stand. T-Sale # 54-003-08-01 (23-646 Red Pine) timber sale completed in 2011. -residual BA 80 2016 - Thinned to favor red pine with pockets of hemlock throughout the stand. Wet area on the west edge of stand. |
| 57 | 6123 - Lowland Fir | Poletimber Well | 8.4 | 52 | 51-80 | OPIC - FMD: Large stand of low ground aspen and balsam fir. NW corner of the stand is heavy to hardwoods but will be treated at the same time and same fashion as the rest of stand. Finger towards NE corner of stand is pretty wet. Pockets of cedar or hemlock mixed throughout the northern half of stand. Good deer and grouse habitat. |
| 58 | 4133 - Aspen, Mixed Pine | Sawtimber Well | 12.0 | 81 | 51-80 | Previous Stand examiner wanted to hold indefinitely to convert to WP. Look at closer when lease is up on State Police tower. It may be possible to remove the aspen overstory without much damage to WP at that time. White pine dominates the understory of this stand. If stand is held it will convert to white pine. |
| 59 | 42210 - Natural Red Pine | Sawtimber Medium | 27.4 | 81 | 51-80 | OPIC - FMD: Harvest in summer to scarify soil. Try to protect existing White Pine regen. Leave scattered oak, red pine and white pine for seed source and visual management. Mixture of pine, oak and maple regeneration is acceptable. Seed tree cut in 2011 T-Sale # 54-003-08-01 (23-646 Red Pine) -Residual BA is 20 2016 - Very good regeneration coming in. Mostly white pine seedlings filling. Residual BA of 50. |
| 60 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 4.4 | 77 | 111-140 | OPIC - FMD: Leave for Visual. Red Pine stand, with a subcanopy of Hemlock in areas. Bike trail running through the south end that parallels US-23. |
| 62 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 1.9 | 74 | 81-110 | OPIC - FMD: OI Stand Year Origin was 1942. Steeper slopes with sandy soil. |

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 152
Year of Entry: 2018



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|--------------------|-------|--------------|-------------|---|
| 66 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Well | 47.0 | 107 | 51-80 | Cedar dominated. Vary variable stand in species and in stocking. Low wet ground. Lots of deer activity throughout the stand. |
| 67 | 6120 - Lowland Cedar | Poletimber Well | 15.1 | 109 | 51-80 | Cedar dominated stand with low wet ground. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|---|
| 1 | 622 - Lowland Shrub | 14.4 | No | OPIC - FMD: low areas with standing water. Heavy to tag alder with a small amount of aspen, black ash, red maple, red osier dogwood, and balsam fir. |
| 3 | 622 - Lowland Shrub | 5.4 | No | OPIC - FMD: low areas with standing water. Very heavy to tag alder. |
| 11 | 622 - Lowland Shrub | 13.3 | No | OPIC - FMD: low areas with standing water Tag alder throughout. Middle has few trees. |
| 15 | 622 - Lowland Shrub | 4.8 | No | OPIC - FMD: low areas with standing water. Tag alder present along with few aspen, black ash and balsam fir. This does not make up 25% crown coverage. |
| 16 | 622 - Lowland Shrub | 4.6 | No | OPIC - FMD: low areas with standing water Heavy to tag alder with some black ash and few bigtooth aspen |
| 17 | 622 - Lowland Shrub | 3.1 | No | Low area with standing water. |
| 20 | 622 - Lowland Shrub | 8.8 | No | Low areas with standing water. |
| 21 | 622 - Lowland Shrub | 10.0 | No | Low areas with standing water under 25% canopy cover. Low quality. |
| 22 | 622 - Lowland Shrub | 4.1 | No | OPIC - FMD: low areas with standing water |
| 23 | 622 - Lowland Shrub | 4.4 | No | OPIC - FMD: low areas with standing water |
| 31 | 310 - Herbaceous Openland | 2.6 | No | Look at closer when lease is up on State Police tower. |
| 36 | 622 - Lowland Shrub | 5.6 | No | OPIC - FMD: low areas with standing water Very few trees. Tag alder is dominate with black ash as well. Ash is dead or dying. |
| 37 | 622 - Lowland Shrub | 7.2 | No | Lowland area with very few trees present. |
| 48 | 622 - Lowland Shrub | 4.0 | No | Illegal ATV trail running through stand. Lowland area that is very low stocking. |
| 54 | 622 - Lowland Shrub | 3.9 | No | Lowland area with heavy Tag Alder. Few small red maple, quaking aspen, and mixed of balsam fir growing on edge. |
| 55 | 710 - Sand, Soil | 0.2 | No | Old Sand Pit. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------|-------|--------------|---|
| 63 | 622 - Lowland Shrub | 6.4 | No | Lowland shrub with some trees on perimeter of stand. Very low stocking of poor quality. |
| 64 | 622 - Lowland Shrub | 5.7 | No | Very wet dominated by tag alder and few red maple, aspen, fir, cedar, and spruce. |
| 70 | 122 - Road/Parking Lot | 5.7 | No | US-23 |
| 71 | 122 - Road/Parking Lot | 3.1 | No | US-23 & 40 Mile Pte Road |
| 73 | 122 - Road/Parking Lot | 1.8 | No | Co Rd 646 |
| 74 | 122 - Road/Parking Lot | 3.6 | No | US-23, Huron Shores, and 40 Mile Pt Rd |