



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54103

Entry Year 2020

Acreage: 509

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 2018-05-04

Stand Examiner: Dale Parris

Legal Description:

T31N R07E Sections 20, 21, & 29

Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Alpena Lake Plains Management Area (ALPMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The timber analysis completed on the ALPMA, specific to Compartment 103, indicated that no specific covertime be of focus for harvest for the purpose of balancing the age classes of this covertime across the Management Area (MA). Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

Soil and topography:

The northwestern most 30 acres of Compartment 103 is mainly upland forest. The majority of the soil in these 30 acres is Rousseau fine sand (well drained). This upland area is composed of mildly rolling hills.

The rest of Compartment 103 is dominated by flat lowland ground. The soil in the main body of Compartment 103 is composed of Tawas muck (very poorly drained), Deford muck (very poorly drained), and Thunderbay very fine sandy loam (poorly drained). The lone 40 acres to the south is dominated by Lupton muck.

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

The northern boundary of Compartment 103 is adjacent to more State of Michigan owned land. The majority of the eastern boundary of Compartment 103 is the Lower South Branch of the Thunder Bay River. The remainder of the land adjacent to Compartment 103 is recreational, larger acreage, hunting type properties.

Unique Natural Features:

The largest portions of Compartment 103 are lowland shrub, lowland cedar, and lowland deciduous forest. The lone 40 acres to the south is northern white cedar dominate. Approximately 30 acres of mixed upland deciduous forest in the northwest corner is the only significant area of high ground in Compartment 103. Flooded area along the Lower South Branch of the Thunder Bay River at the eastern edge of the compartment makes for valuable wetland habitat.

Archeological, Historical, and Cultural Features:

The Natural Heritage Database (NHD) did not show there to be any known archaeological sites within Compartment 103.

As part of the NHD, the Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website listed a number of species that need to be taken into consideration when conducting forest management in Compartment 103. MNFI lists the bald eagle (*Haliaeetus leucocephalus*) as a species of concern having been observed in or near Compartment 103 in the past. Threatened species observed in or near Compartment 103 in the past are the red-shouldered hawk (*Buteo lineatus*), and slippershell (*Alasmidonta viridis*). The pugnose shiner (*Notropis anogenus*) is an endangered species that has been found in the Lower South Branch of the Thunder Bay river in the past.

Special Management Designations or Considerations:

The Fisheries Division of the Michigan DNR needs to be consulted regarding all forest management that takes place near the Lower South Branch of the Thunder Bay River. Rutting and the disturbance of underground water flow needs to be considered when managing forests in and around sensitive lowland soils. Oak wilt needs to be taken into consideration in harvests that take place in and adjacent to stands that contain oak.

Watershed and Fisheries Considerations:

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. There is also a large river corridor following the thunder bay river which is an excellent pathway for wildlife travel. Habitat components of cedar and wetland complexes provide food and cover for multiple species at a variety of age classes. We are working to maintain winter cover areas 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

Sections 20-21 & 28-29, T31N-R7E, Alpena County

Several active sand/gravel pits are located to the southwest. Potential for sand & gravel development within the compartment may be limited by wetlands. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area and production is unlikely. There is no known oil and gas potential, and there are currently no active mineral leases in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access to Compartment 103 is limited to M32 at the south end and Glennie Road to the west.

Survey Needs:

Currently, there are no survey corners needed to conduct timber sales within Compartment 103.

Recreational Facilities and Opportunities:

Compartment 103 does not contain any DNR designated recreation trails. Compartment 103 has opportunities for hunting whitetail deer, ruff grouse, bear, coyote, and turkey within season with the proper license(s).

Fire Protection:

In the case of a wildland fire, response to Compartment 103 will be from the Alpena DNR office as well as the Wilson Township Fire Department.

Additional Compartment Information:

The following reports from the Inventory are attached:

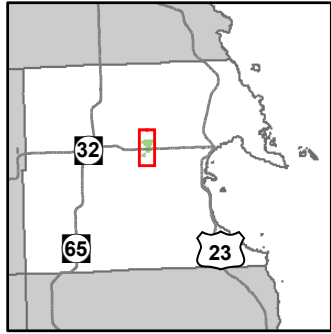
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

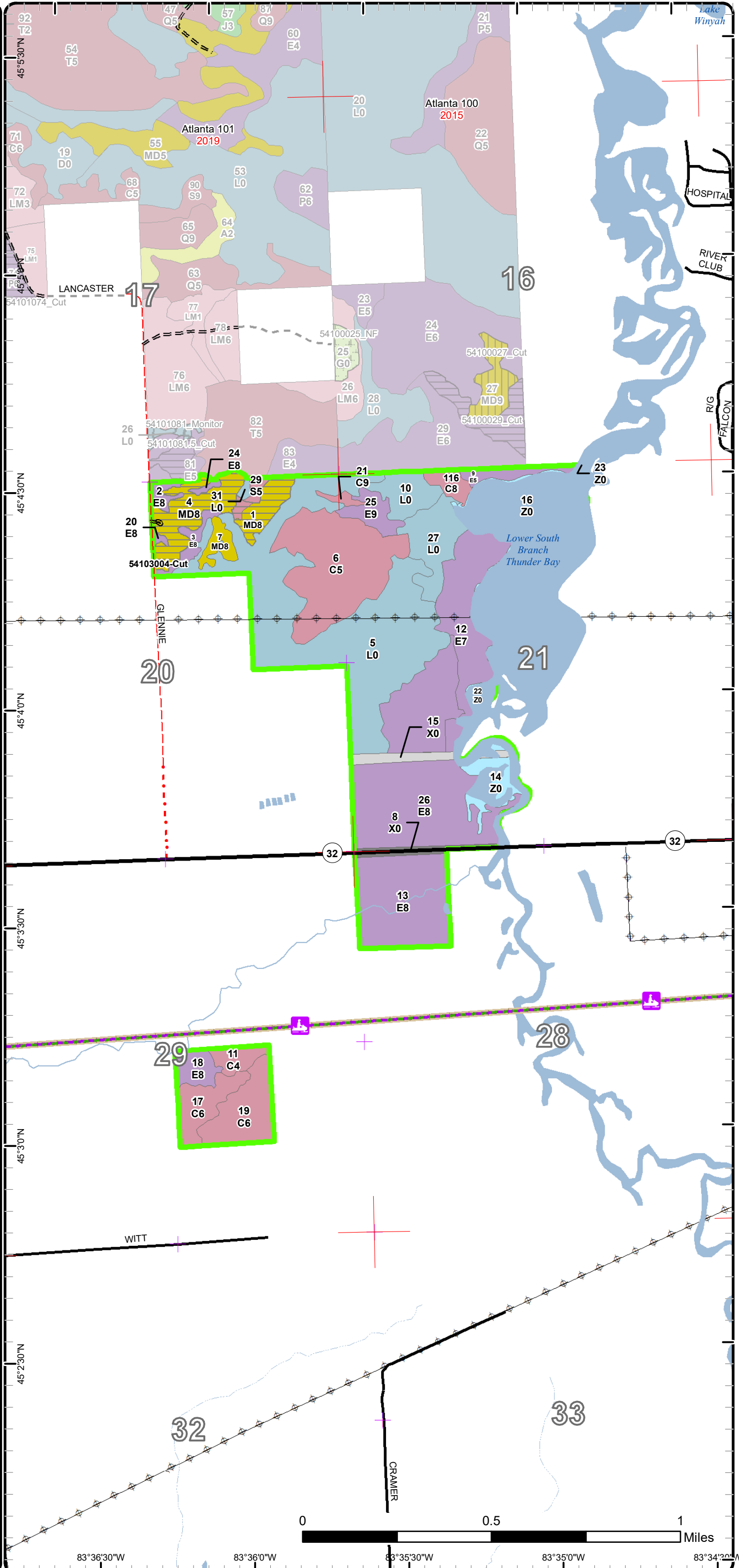
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 103
 T31N, R07E, Sec. 20, 21, 28, 29
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2020
 Acres: 509 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 10/4/2018
 Map Phase: Post-Review

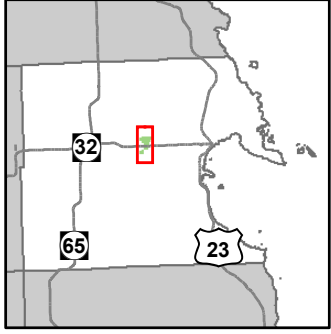


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Snowmobile Trails
- Designated Rail Trail
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- Lakes

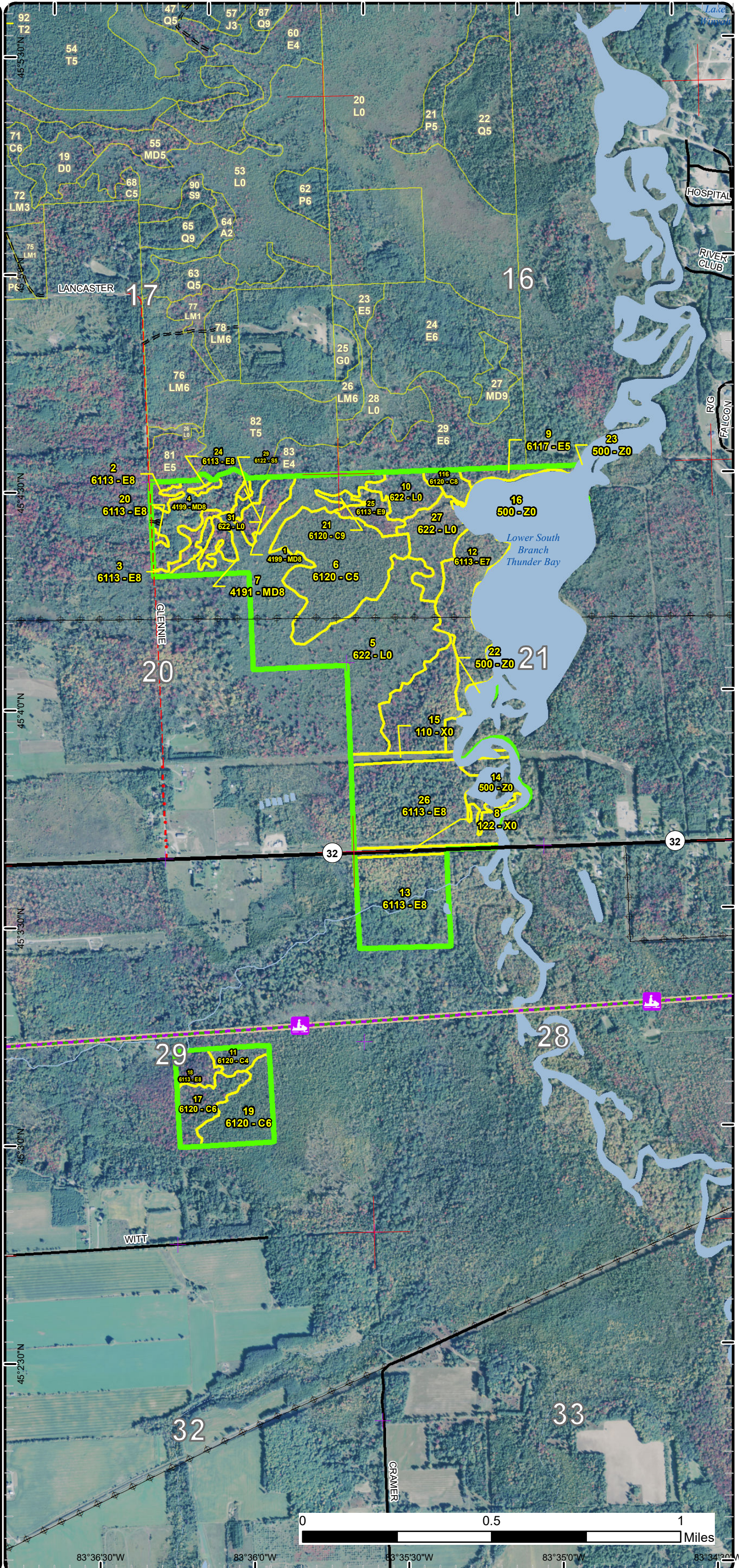


Stand Boundary Map

Compartment: 103
T31N, R07E, Sec. 20, 21, 28, 29
County: Alpena
Unit: Atlanta
Mgmt Area: Alpena Lake Plain
YOE: 2020
Acres: 509 GIS Calculated
Examiner: Dale Parris
Map Revised: 10/4/2018
Map Phase: Post-Review

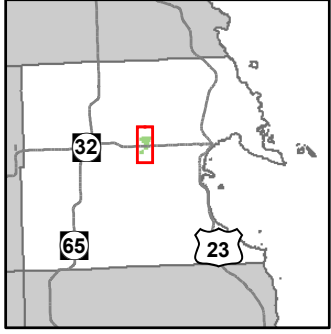


- Miris Corners
- Remonumented Section Corners
- - - Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- · - · County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
- - - Designated Bicycle Trails
- Designated Snowmobile Trails
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- Lakes and Rivers All
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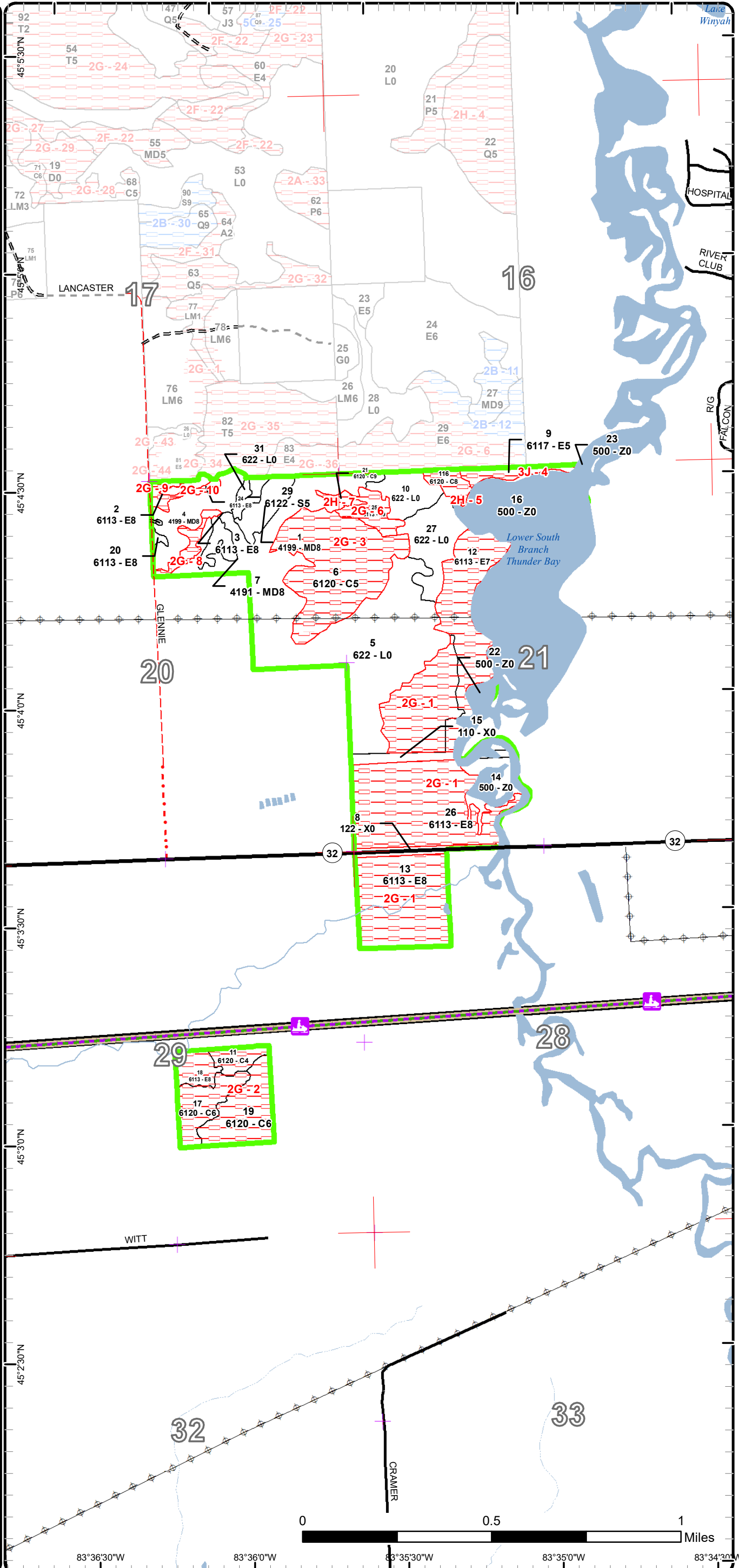


Special Conservation Areas & Site Conditions Map

Compartment: 103
 T31N, R07E, Sec. 20, 21, 28, 29
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2020
 Acres: 509 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 10/4/2018
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
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- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Snowmobile Trails
- Designated RailTrail
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Unavailable
- 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)
- Stand Boundaries
- SCA
- Rail-Trail Corridor



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 |
|------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|------------|-----------|----------|----------|----------|----------|-------------|------------|
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 53 | 23 | 0 | 0 | 0 | 0 | 0 | 88 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 112 | 0 | 0 | 0 | 0 | 0 | 0 | 169 |
| Lowland Shrub | 132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Urban | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Water | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| Total | 220 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 99 | 0 | 165 | 23 | 0 | 0 | 0 | 0 | 0 | 510 |



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 103

Total Compartment Acres: 509

Commercial Harvest - 27
 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 |
|------------------------|-----------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Mixed Upland Deciduous | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Total | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|-----------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Next Step | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 |
| Total | 27 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 53 |



| 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 |
|-----------------------|--------------------|-------|---|----------------------|--------------|-------------|-------------------|---------------------|--------------------------------------|------------------|----------------------|
| 81 | 54101081.5_C ut | 5.2 | 6119 - Mixed Lowland Deciduous Forest | Poletimber Medium | 86 | 51-80 | Harvest | Clearcut | 611 - Lowland Deciduous Forest | Even-Aged | Approved Proposal |

Habitat Cut: No**Site Condition:**

Prescription Clear-cut. Retention is not necessary due to the small size of the stand.

Specs:
Protect oak, pine, and spruce regeneration

Retain all sub-merchantable trees to act as a water pump.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration is a low to medium stocking of red maple, aspen, paper birch, oak, spruce, and balsam fir.

Regen:

Other Protect the integrity of the drainage at the south end of the stand.

Comment:

Monitor this stand post harvest to assess whether leaving sub-merchantables affects the water table. In addition, assess how the retention of sub-merchantables affects stand regeneration through water uptake. Note the effects on stand diversity.

This was an out of YOE treatment approved at the 2020 YOE Compartment Review to be harvested with Compartment 103 Treatments to the south.

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|---|--------------|-----|--|---------------------|----|-------|---------|----------|---|-----------|-------------------------|
| 1 | 54103001-Cut | 8.7 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 85 | 51-80 | Harvest | Clearcut | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Draft Field Boundary |
|---|--------------|-----|--|---------------------|----|-------|---------|----------|---|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Clear-cut. Retention is not necessary due to the small size of the stand.

Specs:
Protect oak, pine, and spruce regeneration

Retain all sub-merchantable trees in the north to act as a water pump.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration is a mix of red maple, aspen, paper birch, oak, spruce, and balsam fir.

Regen:

Other The central portion of the stand is lowland and will need to be accessed for harvestability.

Comment:

Harvest in frozen winter or dry summer.

Proposed Start Date: 10/1 /2019

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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 |
|---|----------------|-------|-------------------------------------|------------------|-----------|----------|----------------|-------------------------|--|---------------|----------------------|
| 4 | 54103004-Cut | 17.9 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 82 | 81-110 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**Prescription Clear-cut with retention.Specs:

Retain 3-10% of the stand in multiple pockets around large crowned mast producing oak trees (preferably on slopes that are harder to operate on).

Protect pine/oak/spruce regeneration to provide for future stand diversity and mast production.

Retain all pine (trace amount mostly near Glennie Road).

Include the "Dead and Down Creation, Grouse" log Specification 5.2.4.4 in the sale contract.

Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Regen: Acceptable regeneration is a mix of aspen, red maple, birch, balsam, fir, pine, and oak.Other Comment:

Retention will likely be needed on the steep slope along east-west running forest trail just east of Glennie Road.

Thought should be put into the sale boundaries were slopes are present so that the producer can reach all timber.

Leave mast producing oak along edges with a one tree buffer to protect the oak from damage that can lead to oak wilt.

Protect the integrity of the drainage at the north end of the stand.

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 31.8

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 103
Year of Entry: 2020

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | 2G | 2H | 3J |
|----------------|--------------------|----------------|---------------|--------------------------|-----|----|----|
| | | With Condition | Not Available | | | | |
| 87 | 0 | 0 | 87 | Cedar | 81 | 6 | |
| 169 | 1 | 0 | 168 | Lowland Deciduous | 164 | | 5 |
| 132 | 132 | 0 | 0 | Lowland Shrub | | | |
| 3 | 3 | 0 | 0 | Lowland Spruce/Fir | | | |
| 30 | 30 | 0 | 0 | Mixed Upland Deciduous | 0 | | |
| 10 | 10 | 0 | 0 | Urban | | | |
| 78 | 78 | 0 | 0 | Water | | | |
| 509 | 254 | | 255 | Total Forested Acres | 244 | 6 | 5 |
| | 50% | | 50% | 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) | 143 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: These stands hold water throughout much of the year. The harvesting of these stands would cause major rutting, raise the water table, and disturb the natural flow of water through these soils. In addition, the harvest of these stands would likely cause the long term conversion of these stands to lowland shrub and undesired seasonal flooding in the area.</p> | | | | | | | |
| 2 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 41 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: These stands hold water throughout much of the year. The harvesting of these stands would cause major rutting, raise the water table, and disturb the natural flow of water through these soils. In addition, the harvest of these stands would likely cause the long term conversion of these stands to lowland shrub.</p> | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 103
Year of Entry: 2020

| | | | | | | | |
|---|--------------------|---|----|---|------------------------------|-------------|-------------|
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 46 | 5A: Not able to obtain desirable regeneration | 5D: Unproductive Forest Land | Unspecified | Unspecified |
| Comments: This stand holds water throughout much of the year. The harvesting of this stand would cause major rutting, raise the water table, and disturb the natural flow of water through these soils. In addition, the harvest of this stand would likely cause the long term conversion of this stand to lowland shrub. | | | | | | | |
| 4 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: In addition to access issues, the harvest of this stand would likely have undesirable run-off effects on the river flooding to the south, and would destabilize the shore line. Thinning is not desirable in this covertype. | | | | | | | |
| 5 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 4 | 2B: Unknown if access through adjacent landowner(s) is possible | Unspecified | Unspecified | Unspecified |
| Comments: Besides being inaccessible, there are a number of reasons the harvesting of this stand would be undesirable. Considering the lack of large diameter cedar with fairly open understory in this area it is undesirable to harvest this stand. The majority of this stand, especially the southern portion, would likely convert to lowland shrub following a harvest. The rutting of these soils would disturb ground water flow. | | | | | | | |
| 6 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: This stand holds water throughout much of the year. The harvesting of this stand would cause major rutting, raise the water table, and disturb the natural flow of water through these soils. In addition, the harvest of this stand would likely cause the long term conversion of this stand to lowland shrub. | | | | | | | |
| 7 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: In addition to having access blocked by the adjacent lowland, and this being low acreage, this log sized cedar with an open understory is unique to the area. | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 103
Year of Entry: 2020

| | | | | | | | |
|------------------|--------------------|--|---|-------------|-------------|-------------|-------------|
| 8 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 1 | 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

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 |
|-------------------|------|-------------|
|-------------------|------|-------------|



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 1 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 7.6 | 85 | 51-80 | This stand has a large amount of lowland shrub in its center. The rest of the stand has a fairly open understory. Sparse mast oak are present. This stand is accessible from the west. |
| 2 | 6113 - Lowland Maple | Sawtimber Medium | 2.6 | 82 | 1-50 | This stand is too wet to harvest. Harvesting this stand would interrupt the flow of ground water through rutting. |
| 3 | 6113 - Lowland Maple | Sawtimber Medium | 4.0 | 82 | 1-50 | This stand is too wet to harvest. Harvesting this stand would interrupt the flow of ground water through rutting. |
| 4 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 18.0 | 82 | 81-110 | This stand is full of rolling hills but few if any that are too steep to harvest. There is a 2.7 acre inclusion pocket of pole sized aspen from a separate harvest in the stand about a 100 feet off of Glennie road. |
| 6 | 6120 - Lowland Cedar | Poletimber Medium | 46.3 | 103 | 111-140 | Yes stand has highly saturated soil. This stand is too wet to harvest. Dead make up 20+ percent of the canopy. |
| 7 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 4.2 | 85 | 51-80 | This stand is an upland island surrounded by lowland shrub. The south and eastern portions are more dominate to balsam fir. |
| 9 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 4.8 | 86 | 1-50 | There is a dense shrub understory throughout. |
| 11 | 6120 - Lowland Cedar | Poletimber Poor | 5.2 | 113 | 1-50 | This stand would have a full canopy if the dead black and green ash were still alive. Standing dead ash and dead ash on the forest floor is present throughout the stand. |
| 12 | 6113 - Lowland Maple | Sawtimber Poor | 31.0 | 84 | 1-50 | This stand has about 50% canopy of dead ash. |
| 13 | 6113 - Lowland Maple | Sawtimber Medium | 37.6 | 105 | 111-140 | The green and black ash that would have made up about 15% - 30% of the canopy is dead. In February of 2018 most of the stand was frozen over with up to 1 foot of water. The stand is extremely flat ground. The ash regeneration is mostly in the southern half and the tag alder is mostly in the northern half. Red (silver) maple up to 36" in DBH are present. Red (silver) maple over to 25" in DBH are common. This stand is too wet to harvest. |
| 17 | 6120 - Lowland Cedar | Poletimber Well | 11.5 | 82 | 51-80 | This stand holds even more water than stand 18 to the north. |
| 18 | 6113 - Lowland Maple | Sawtimber Medium | 6.2 | 85 | 51-80 | King Creek catches the northwest corner of this stand. This stand is very wet. In the winter of 2018 this stand had frozen over standing water up to a foot deep scattered throughout. |
| 19 | 6120 - Lowland Cedar | Poletimber Well | 17.8 | 117 | 111-140 | This stand appears to be wet throughout with sparse amounts of standing water. Tag alder is medium to heavy in the eastern third with low amounts present in the rest of the stand. The cedar are stunted due to excessive soil moisture and tend to have health to somewhat sparse and thinning crowns. |

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 103
Year of Entry: 2020

| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|------------|-----------------------|----------------------|-------|--------------|-------------|---|
| 20 | 6113 - Lowland Maple | Sawtimber Medium | 0.7 | 82 | 1-50 | This stand is too wet to harvest. Harvesting this stand would interrupt the flow of ground water through rutting. |
| 21 | 6120 - Lowland Cedar | Sawtimber Well | 1.5 | 101 | 141-170 | This is a nice stand of cedar with minimal understory. |
| 24 | 6113 - Lowland Maple | Sawtimber Medium | 0.9 | 82 | 1-50 | This stand is too wet to harvest. Harvesting this stand would interrupt the flow of ground water through rutting. |
| 25 | 6113 - Lowland Maple | Sawtimber Well | 6.7 | 86 | 81-110 | This maple flat has a hunting shack at the west edge. The southern portion has a fairly open understory while the northern portion is fairly dense with shrub. When visited in February of 2018 this stand was under 1-2 feet of water frozen over. |
| 26 | 6113 - Lowland Maple | Sawtimber Medium | 74.7 | 103 | 51-80 | Portions of the stand were covered in up to 1 foot of water in the winter of 2018. OPIC - FMD: "We raised the water table when this was cut. Best to avoid further cutting. Potential old growth." --RDS, 1998 |
| 29 | 6122 - Black Spruce | Poletimber Medium | 2.6 | 66 | 81-110 | The black spruce get larger in diameter as you go north. This stand makes for a nice diversity pocket to the area. |
| 116 | 6120 - Lowland Cedar | Sawtimber Medium | 4.3 | 101 | 111-140 | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|--|
| 5 | 622 - Lowland Shrub | 105.1 | No | This stand is lowland shrub with sparsely scattered pole/log sized red maple. Certain areas of the stand would be forested but the pole sized ash are all dead. |
| 8 | 122 - Road/Parking Lot | 4.3 | No | OPIC - FMD: M-32 ROAD RIGHT OF WAY |
| 10 | 622 - Lowland Shrub | 10.0 | No | This stand would be 50-75% canopy except the green ash are dead. This is a mix between a green ash sapling stand and lowland shrub. The green ash will likely be attacked and die when they reach 1 inch DBH by EAB. Therefore, the stand is lowland shrub. Scattered large red maple, aspen, and cedar are present. |
| 14 | 500 - Water | 11.6 | No | This is basically side waters of the river with pockets of mature maple and Pockets of red maple and marsh interspersed. |
| 15 | 110 - Low Intensity Urban | 5.7 | No | Most of this powerline is covered with thick cattail with some lowland shrub. This may be indicative of what would happen to the stands to the north and south if they were to be harvested. |
| 16 | 500 - Water | 56.1 | No | Water with pockets of cattail. |
| 22 | 500 - Water | 2.2 | No | This is side waters of the river that is likely a result of the Lake Winyah flooding. There is some marsh and lowland shrub interspersed. |
| 23 | 500 - Water | 8.3 | No | This is the Lower South Branch of the Thunder Bay River. |
| 27 | 622 - Lowland Shrub | 16.3 | No | This stand is mostly dead pole sized ash over tag alder with scattered pole/log sized red maple, sapling/pole paper birch, pole/log cedar, and sapling/pole balsam fir. The red maple range from 4-12 inches in DBH. This is a lowland stand that is too wet to harvest. |
| 31 | 622 - Lowland Shrub | 0.9 | No | This is lowland shrub with scattered pole/log sized red maple. |