



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54083

Entry Year 2021

Acreage: 493

County Alpena

Management Area: Alpena Lake Plain

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**Revision Date:** 2019-06-06

**Stand Examiner:** Dale Parris

**Legal Description:**

T29N R08E Section 3 and 4

**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 83, indicated that the lowland aspen, red pine, lowland deciduous, and upland aspen covertypes be of focus for harvest for the purpose of balancing the age classes of these covertypes across the Management Area (MA). Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

**Soil and topography:**

The soil information detailed below was taken from the Soil Survey of Alpena County, Michigan put out by the USDA/NRCS in conjunction with other entities.

Compartment 83 is mostly flat with a few areas of upland, mildly rolling hills between large tracts of lowland shrub. The upland soils are Au Gres sand (somewhat poorly drained), Croswell sand (moderately well drained), and Grayling sand (excessively drained). The Au Gres-Deford Complex (somewhat poorly drained to very poorly drained) makes up the southeast corner of the compartment where low ground and slightly higher ground is intermingled. The lowland areas are mainly the Lupton, Tawas, and Deford mucks.

For more details on the soils found in Compartment 83 reference the Soil Survey of Alpena County.

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

Compartment 83 is connected to more state owned land to the north. The remainder of the compartment is surrounded by privately owned hunting/recreation properties with the exception of a few residential properties along Piper Road to the east.

**Unique Natural Features:**

As part of the Natural Heritage Database (NHD), the Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website turned up 1 case of a rare plant species that might be present in Compartment 83. Douglas's hawthorn is recorded as being observed in the area surrounding Compartment 83 in 1930. No other observations have been documented since then. Douglas's hawthorn is a small tree primarily found in the rocky woodlands of the UP.

The Devil's River flows through the northeast corner of Compartment 83 and Brilinski Creek flows through the northwest corner.

**Archeological, Historical, and Cultural Features:**

The Natural Heritage Database (NHD) showed that there are no known archaeological sites within Compartment 83. For further information contact the State Historic Preservation Office (SHPO).

**Special Management Designations or Considerations:**

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.

Any timber management to the west of the Devil's River would require access through private land. The presence of the railway west of Piper Road presents some difficulties for land management east of the Devil's River, but all this land can still be accessed from the north through state land or from Piper Road.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

The large swamp complex that exists in this compartment is utilized heavily by deer and snowshoe hare in winter. Ruffed grouse, bear and bobcat are also found in this compartment. Snowshoe hare considerations should be made for cuts around dense wetland complexes.

**Mineral Resource and Development Concerns and/or Restrictions**

Active sand/gravel pits are located several miles to the northwest and south. There appears to be some sand potential within the compartment, but a shallow water table and wetlands in the area would limit surface development. Active Antrim Shale gas production is occurring one mile to the west. The Antrim is thinning here and may have reduced production potential. There is no history of mineral leasing within the compartment. Oil & gas potential from other formations beneath the compartment is unknown. Several miles to the southeast, state-owned mineral rights are currently nominated for an upcoming oil & gas lease auction. There has been past production from the Prairie du Chien (St. Peter) and Burnt Bluff groups. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

The only vehicle access to Compartment 83 is from Piper Road that runs through the northeast corner of the compartment.

**Survey Needs:**

There should be no need for a survey to facilitate a timber sale in Compartment 83. According to survey records and corners that were found on the ground during inventory, all corners necessary for the proper set-up of timber sales along all private land boundaries are present.

**Recreational Facilities and Opportunities:**

Access makes it difficult to take advantage of all the hunting opportunities that Compartment 83 has to offer. Where there is access, opportunities can be found for the hunting of white tailed deer and squirrels.

**Fire Protection:**

In the case of a wildland fire, response to Compartment 83 will be from the Alpena DNR office as well as the Sanborn Township Fire Department.

**Additional Compartment Information:****The following reports from the Inventory are attached:**

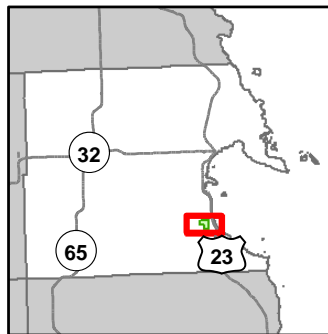
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

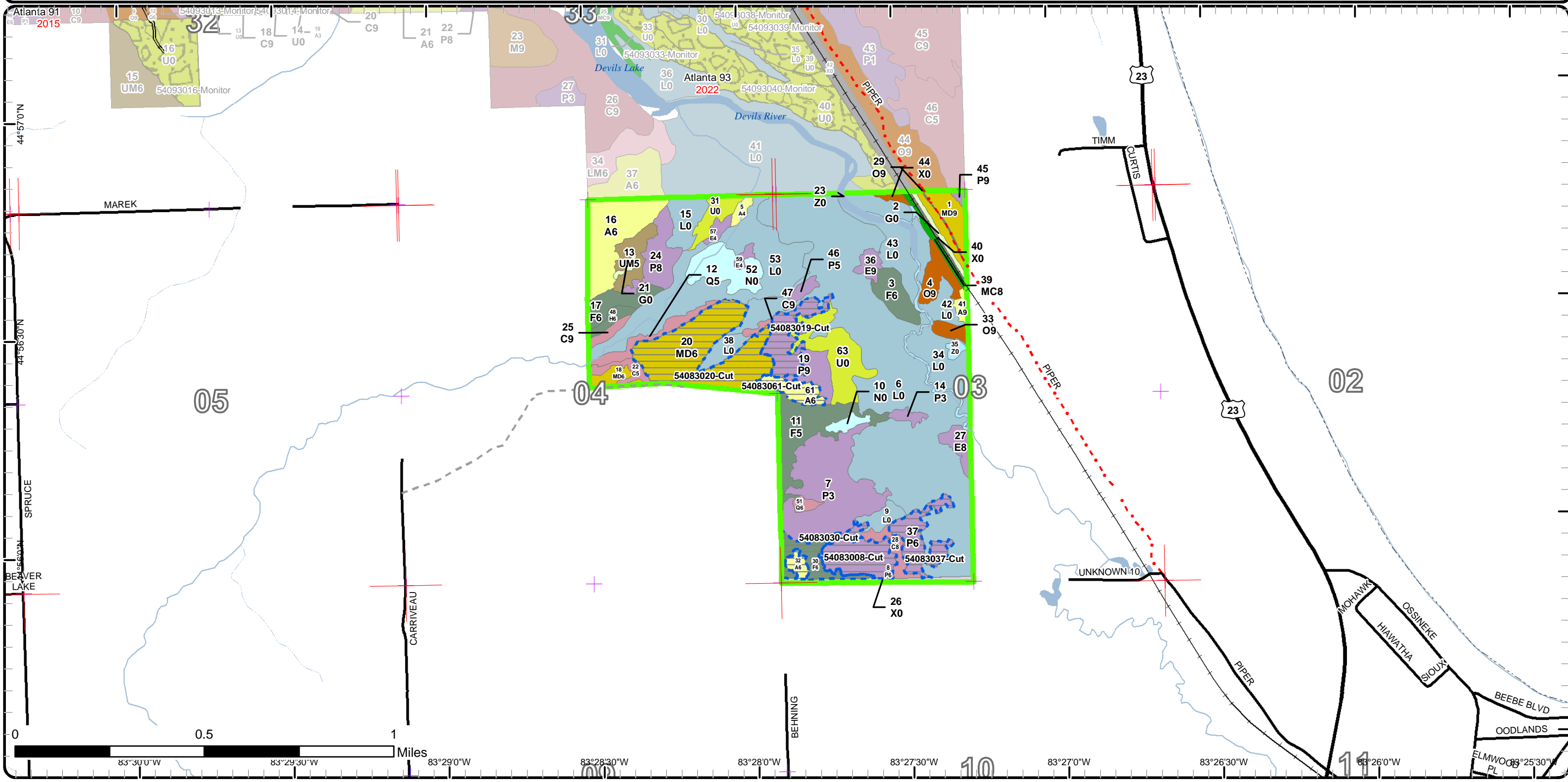
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 83  
 T29N, R08E, Sec. 3, 4  
 County: Alpena  
 Unit: Atlanta  
 Mgmt Area: Alpena Lake Plain  
 YOE: 2021  
 Acres: 493 GIS Calculated  
 Examiner: Dale Parris  
 Map Revised: 10/10/2019  
 Map Phase: Post-Review

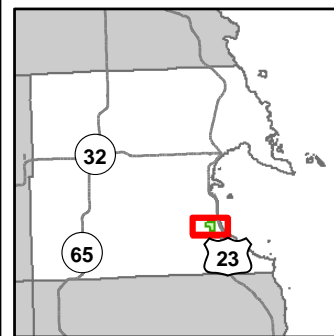


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

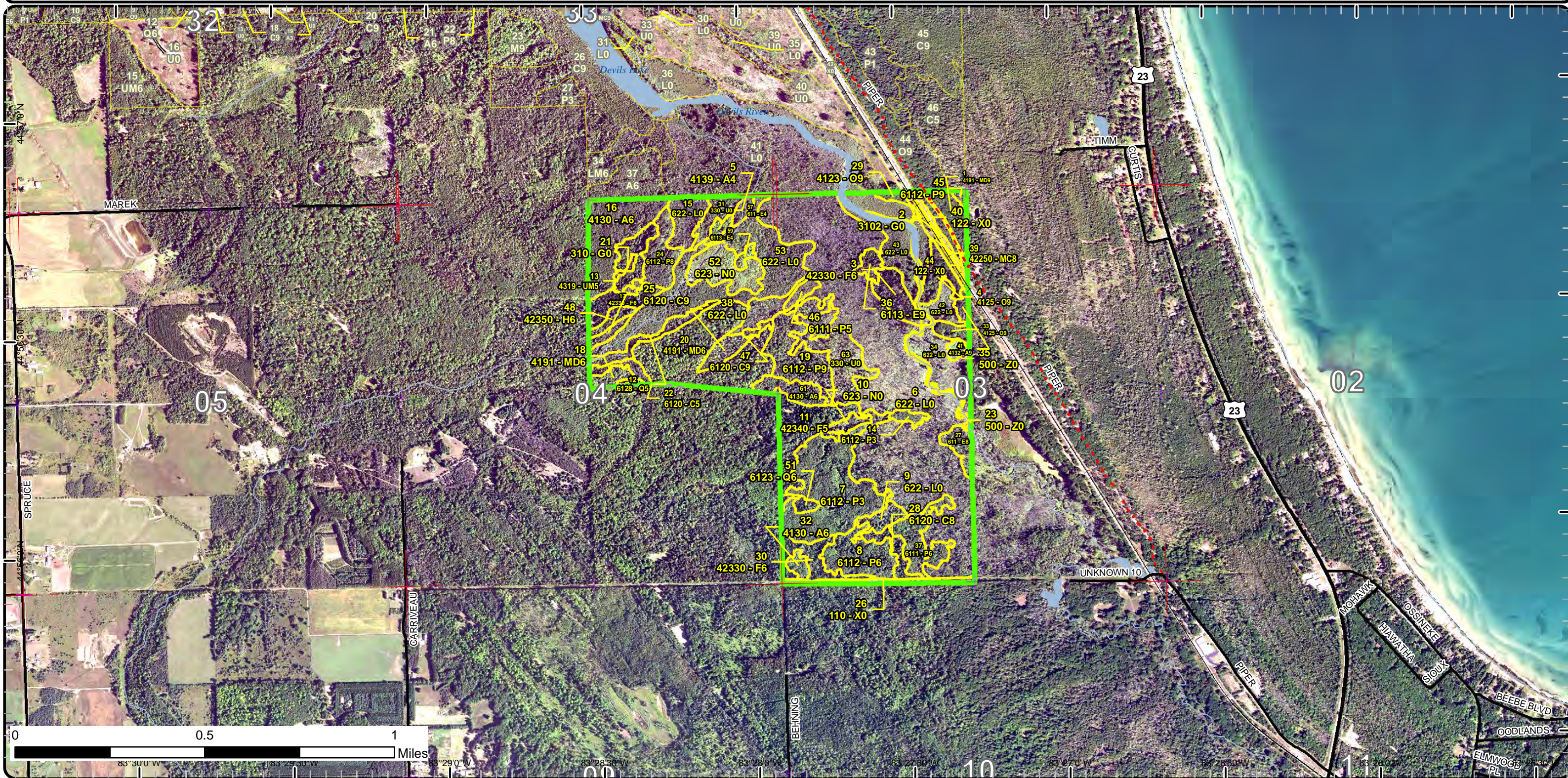


# Stand Boundary Map

Compartment: 83  
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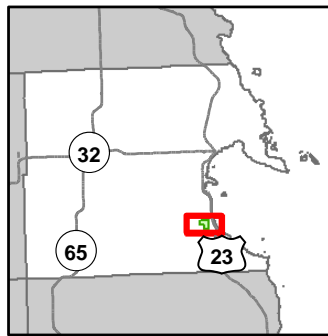


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
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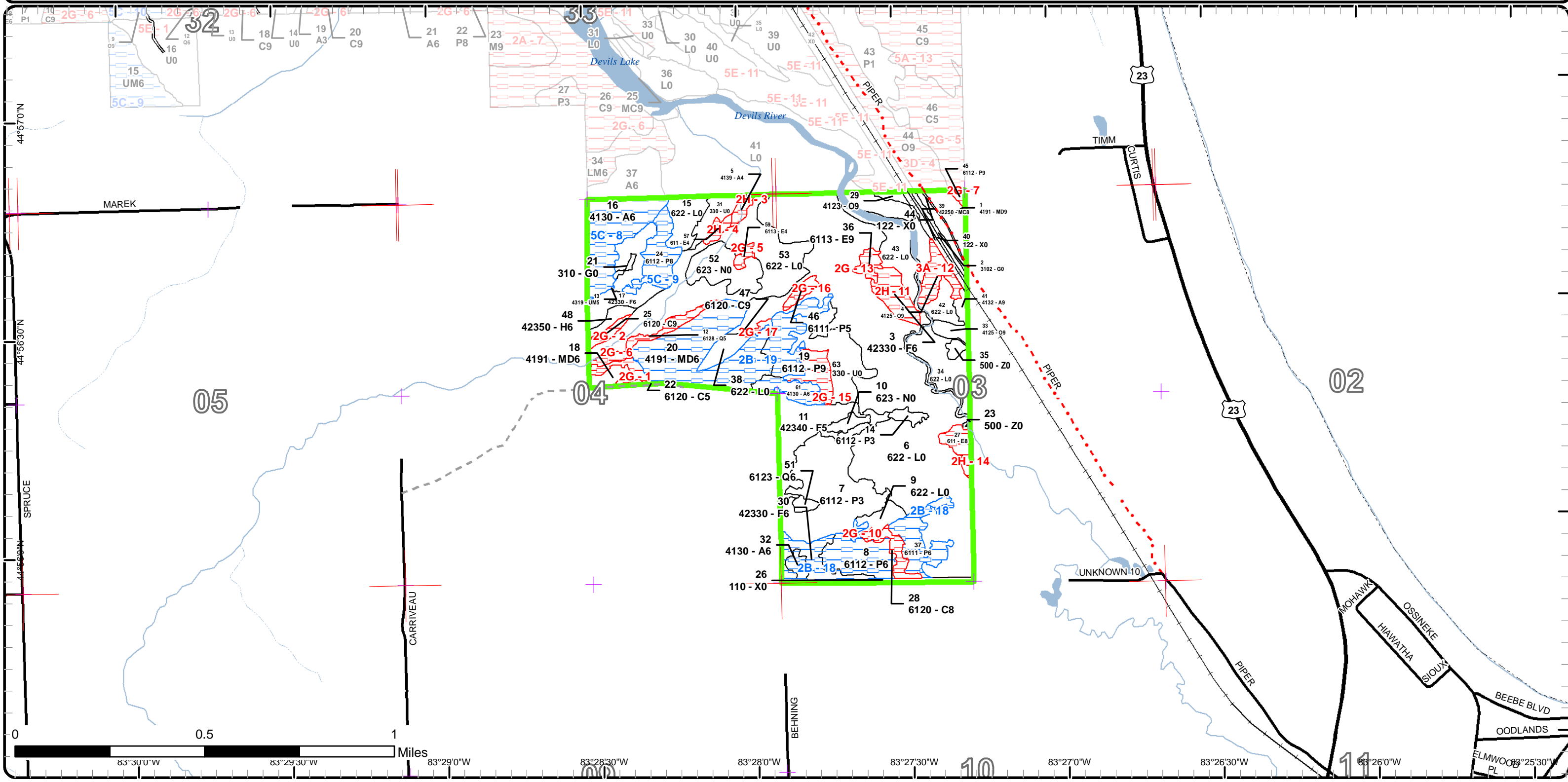


# Special Conservation Areas & Site Conditions Map

Compartment: 83  
 T29N, R08E, Sec. 3, 4  
 County: Alpena  
 Unit: Atlanta  
 Mgmt Area: Alpena Lake Plain  
 YOE: 2021  
 Acres: 493 GIS Calculated  
 Examiner: Dale Parris  
 Map Revised: 10/10/2019  
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- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State Highway
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- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes



# Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment 83    Year of Entry 2021



## 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	7	0	19	2	0	2	0	0	0	0	0	0	0	0	30
Cedar	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Hemlock	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Aspen/Balsam Poplar	0	0	0	33	22	1	11	16	0	0	0	0	0	0	0	0	0	0	83
Lowland Conifers	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Deciduous	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	2	9
Lowland Shrub	211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211
Marsh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	0	0	0	0	8	3	0	0	32	0	0	0	0	0	0	0	43
Natural Mixed Pines	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Oak	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Upland Mixed Forest	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	0	0	0	29	0	7	0	0	0	0	0	0	0	0	0	0	36
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>257</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>36</b>	<b>42</b>	<b>38</b>	<b>30</b>	<b>0</b>	<b>4</b>	<b>32</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>493</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 83

Year of Entry: 2021

Acres of Harvest

Total Compartment Acres: 493

Commercial Harvest -  
 Harvests with Site Condition - 79  
 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	7	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	32	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	32	0	0	0	0	0	0	0	0	32
Upland Spruce/Fir	7	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	79	0	0	0	0	0	0	0	0	79
Next Step	0	0	0	0	0	0	79	0	0	79
<b>Total</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>157</b>



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
8	54083008-Cut	11.9	6112 - Lowland Aspen	Poletimber Well	39	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal

**Habitat Cut: No Site Condition: Unknown Access**

Prescription Clear-cut with retention. Retain 3-10% of the stand in pocket(s) focused around diversity while being stand representative as a whole.

Specs:

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, balsam fir, and/or red maple.

Other

Dry summer would be the best time to harvest this stand, but frozen winter conditions may work also.

Comment:

Permission will need to be granted by a number of private land owners for access.

Proposed Start Date: 10/1 /2020

19	54083019-Cut	10.5	6112 - Lowland Aspen	Sawtimber Well	61	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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**Habitat Cut: No Site Condition: Unknown Access**

Prescription Clear-cut with retention. Retain 3-10% of the stand in the area of the stand to the east that is too wet to harvest.

Specs:

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, and/or balsam fir.

OtherComment:

Proposed Start Date: 10/1 /2020

20	54083020-Cut	32.4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No Site Condition: Unknown Access**

Prescription Clear-cut with retention. Retain 3-10% of the stand in pocket(s) focused around diversity while being stand representative as a whole.

Specs:

Include the spec that requires brush piles for snowshoe hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of red maple, aspen, paper birch, and/or balsam fir.

Other

Access will need to be through the Fitzpatrick land to the south. Care will need to be taken not to damage the culvert(s) on the Fitzpatrick land if we are allowed access.

Comment:

Protect the hemlock in the south central portion of the stand. Focus the retention pockets around the trace amount of oak, hemlock, and yellow birch.

There are two illegal permanent blinds in this stand that need to be removed.

Proposed Start Date: 10/1 /2020





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
30	54083030-Cut	7.0	42330 - Upland Fir	Poletimber Well	48	81-110	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	Approved Proposal

**Habitat Cut: No**      **Site Condition: Unknown Access**

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

Specs:

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, balsam fir, and/or white spruce.

Other Comment:

Dry summer would be the best time to harvest the eastern portion of this stand, but frozen winter conditions may work also.

Comment:

Permission will need to be granted by a number of private land owners for access.

Proposed Start Date: 10/1 /2020

32	54083032-Cut	1.9	4130 - Aspen	Poletimber Well	37	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Approved Proposal
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**Habitat Cut: No**      **Site Condition: Unknown Access**

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

Specs:

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen and balsam fir.

Other Comment:

Permission will need to be granted by a number of private land owners for access.

Comment:

Proposed Start Date: 10/1 /2020

37	54083037-Cut	9.6	6111 - Lowland Balsam Poplar	Poletimber Well	37	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	Approved Proposal
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**Habitat Cut: No**      **Site Condition: Unknown Access**

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

Specs:

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, balsam fir, and/or white spruce.

Other Comment:

Dry summer would be the best time to harvest this stand, but frozen winter conditions may work also.

Comment:

Permission will need to be granted by a number of private land owners for access.

Proposed Start Date: 10/1 /2020



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
61	54083061-Cut	5.4	4130 - Aspen	Poletimber Well	36	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Approved Proposal

**Habitat Cut: No**      **Site Condition: Unknown Access**

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

Specs: The area that can be harvested may be substantially reduced due to wet areas to the east and central regions of the stand.

Include the spec that requires grouse logs and brush piles for hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir, and spruce.

Other

Comment: Protect the integrity/diversity added by the ridge running east west to the south of this stand by not pushing the harvest boundary to the south and east.

This stand is being harvested to help with access that will likely be from the south and because it makes sense to harvest it with the adjacent stands.

Proposed Start Date: 10/1 /2020

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**Total Treatment  
Acreage Proposed: 78.7**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 83  
Year of Entry: 2021

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions					
		With Condition			2B	5C	2G	2H	3A	
29	2	<b>26</b>		2	Aspen	7	19		2	
9	0	<b>0</b>		9	Cedar			9		
2	2	<b>0</b>		0	Hemlock					
2	2	<b>0</b>		0	Herbaceous Openland					
19	19	<b>0</b>		0	Low-Density Trees					
83	33	<b>41</b>		8	Lowland Aspen/Balsam Poplar	32	9	8		
6	1	<b>0</b>		5	Lowland Conifers			5		
9	0	<b>0</b>		9	Lowland Deciduous			4	5	
211	211	<b>0</b>		0	Lowland Shrub					
13	13	<b>0</b>		0	Marsh					
44	11	<b>32</b>		0	Mixed Upland Deciduous	32				
2	2	<b>0</b>		0	Natural Mixed Pines					
9	4	<b>0</b>		6	Oak					6
6	6	<b>0</b>		0	Upland Mixed Forest					
36	22	<b>7</b>		7	Upland Spruce/Fir	7			7	
5	5	<b>0</b>		0	Urban					
6	6	<b>0</b>		0	Water					
493	340	<b>106</b>		46	Total Forested Acres	79	28	26	14	6
	69%	<b>22%</b>		10%	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)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 83  
Year of Entry: 2021

2	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	1	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 83  
Year of Entry: 2021

7	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Available</b>	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand is too wet to harvest and should be maintained for promoting covertime diversity in the immediate area.							
11	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The balsam fir in this stand is experiencing much windthrow but the impact on the oak stand to the west and the need to cross Devil's Creek to harvest this stand make the harvest of this stand incompatible with conservation values.							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 83  
Year of Entry: 2021

12	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The present of mature dominant oak stands in this area that have not been impacted by harvest is minimal. Preserve this stand for the time being to promote diversity in the area.							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	4	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 83  
Year of Entry: 2021

17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Conversations have begun with private land owners to see if we can gain access to harvest these stands. Survey records and a check on the ground will need to be completed to see if a survey is needed.							
19	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	48	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> All corners needed to set up these stands are present according to office records. Efforts are being made to get access to harvest these stands.							

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

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	8.1	56	81-110	N/A	The oak are often in stump sprout clumps. There are scattered larger diameter remnant oak that were retained during the last harvest. Most of the pine is near Piper Road. All of the canopy red pine/jack pine and some of the white pine are remnant trees that were retained during the last harvest. The aspen vary from 6" to 13" DBH, indicating varying forest disturbance times. This stand has rolling ridges reminiscent of dune swale but it does not have the lowland component.																																
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2	3102 - Grass	Nonstocked	1.8	29	Immature	No	This is an open grassy area adjacent to the railroad tracks. This stand could contain pipelines, etc.																																
3	42330 - Upland Fir	Poletimber Well	6.7	66	1-50	N/A	The balsam fir in this stand is experiencing much windthrow but the impending impact on the oak stand to the west and the need to cross Devil's Creek to harvest this stand make the harvest of this stand incompatible with conservation values.																																
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4	4125 - Black, N. Pin Oak	Sawtimber Well	5.5	106	81-110	N/A	The present of mature dominant oak stands in this area that have not been impacted by harvest is minimal.																																
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5	4139 - Aspen, Mixed Deciduous	Poletimber Poor	1.6	69	1-50	N/A	Due to time constraints on the day that this area was visited and the remoteness of this small acreage stand, a remote call was made on this stand.																																
6	622 - Lowland Shrub	Nonstocked	126.0	23	Immature	No	For all intensive management purposes this stand is lowland shrub. There are pockets of low density trees throughout the stand. All soils are too wet for harvest and timber volume is minimal throughout. There is a consistent covering of lowland shrub throughout the stand. There is the presence of very sparse pole sized red maple, paper birch, American Elm, aspen, etc. The scattering of pole sized black ash in the stand is all dead. Records indicate large portions throughout the stand that were part of previous harvests did not regenerate, but converted to lowland shrub/ash that is now dead.																																
7	6112 - Lowland Aspen	Sapling Well	31.6	25	Immature	N/A	There is autumn olive and scotch pine invasives in the openings . There are remnant oak near high ground openings. There are two narrow openings in the stand that are likely the locations of the previous harvest landings. Harvest records indicate that this stand was harvested between 1994 and 1996.																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
8	6112 - Lowland Aspen	Poletimber Well	11.9	39	51-80	N/A	This lowland stand is fairly healthy and is growing well. The soil moisture varies throughout, with areas that are more saturated being dominated by lowland shrub/tag alder.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		68	Pole	6	39	Tag Alder		High	5 - 10 feet	Tall Shrub
Balsam Poplar		15	Pole	7		Balsam Fir		Medium	Variable	Sapling
Balsam Fir		15	Pole	6						
9	622 - Lowland Shrub	Nonstocked	3.7	23	Immature	No	This low density tree area is all lowland. The mix of tree species is primarily balsam fir, spruce, red maple, and aspen.			
10	623 - Emergent Wetland	Nonstocked	2.0		Immature	No	This is a wider portion of a drainage that likely runs from the southwest to the northeast. This stand is a seasonally flooded area. There are scattered log sized aspen and red maple.			
11	42340 - Upland Spruce/Fir	Poletimber Medium	16.1	48	51-80	N/A	This stand currently adds nice covertime diversity to the area. The canopy is patchy with a couple wildlife type openings at the north end that were likely used as past harvest landing areas. There are scattered log sized oak at the north end of the stand that were retained during the last harvest. There is a west-east drainage running through the middle of the stand that can be seen in aerial imagery. There are larger pole to log sized aspen in the northeast region of the stand. The southern portion of this stand was harvested with the adjacent stand to the east. The aspen appear in pockets and the balsam fir is present throughout. Timber sale records verify the second age of the stand. Harvest records indicate that this stand was harvested between 1994 and 1996. The older balsam fir were present during the last harvest but were not taken.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		58	Pole	7	48	Balsam Fir		Medium	Variable	Sapling
Quaking Aspen		25	Sapling/Pole	4	23					
12	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	5.0	43		N/A	The data from this stand is based off of only a small portion of the stand visited.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Northern White Cedar		30	Pole/Log	8	103	Balsam Fir	Medium	Variable	Sapling	
Balsam Fir		40	Pole	7	43	Tag Alder	Medium	5 - 10 feet	Tall Shrub	
Red Maple		15	Pole/Log	7						
13	4319 - Mixed Upland Forest	Poletimber Medium	6.2	43	81-110	N/A	This stand is made of many inclusion pockets. There is a pocket of log sized white spruce along the northwest edge of the stand. White pine, balsam fir, balsam poplar, and white spruce are filling in the northern part of an old opening at the north end of the stand. There is at least one good sized apple tree in the grown over area. There are two large beech within the southern region of the stand; one is advanced with beech bark disease and the other is seemingly untouched.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Black/Red (Hybrid) Oak		10	Log	15						
Balsam Fir		44	Pole	7	43					
White Spruce		10	Log/Pole/Sap	12						
Red Maple		25	Pole/Log	8						
14	6112 - Lowland Aspen	Sapling Well	1.7	25	Immature	N/A	Harvest records indicate that this stand was harvested between 1994 and 1996.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
15	622 - Lowland Shrub	Nonstocked	6.9		Immature	No	This stand is a cross between lowland shrub and low density trees. There are scattered paper birch, red maple, and balsam fir.																															
16	4130 - Aspen	Poletimber Well	18.6	50	111-140	N/A	The understory in the southern end of the stand is fairly open and mainly grows healthy bigtooth aspen. The northern half of the stand has a dense understory of balsam fir that are joining the canopy. The northeastern third of the stand is dominated by quaking aspen. The area with quaking aspen is still upland but is lower ground the southern portion of the stand. There are scattered log sized oak (some pole sized) in the stand with large crowns that were retained during the last harvest. Some of these large crowned oak look unhealthy with struggling crowns.																															
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19	6112 - Lowland Aspen	Sawtimber Well	16.1	61	81-110	N/A	Trace oak present. OPIC - FMD: formerly part of 20--moist area south of wet drainage--illegal blind--should be cut to preserve aspen. would be a good browse area and would allow the closure of the trail into the stand. A bridge may be needed. Any mixture of regeneration is acceptable.																															
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20	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	32.4	96	81-110	N/A	The red maple in this stand is mostly of poor quality. The red maple to the west are of large pole size while the red maple in the eastern 2/3 of the stand are of small log size. There is some decent quality paper birch present. Trace hemlock and yellow birch are present.																															
21	310 - Herbaceous Openland	Nonstocked	0.6			No	This old opening is slowly growing in.																															
22	6120 - Lowland Cedar	Poletimber Medium	2.8	103	111-140	N/A	OPIC - FMD: drainage dominated by conifer. Much mortality to the northeast due to raised water level from past harvesting.																															
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23	500 - Water	Nonstocked	4.9			No	OPIC - FMD: N BR DEVILS RIVER, Berlinski creek, and all other streams																																			
24	6112 - Lowland Aspen	Sawtimber Medium	9.0	52	111-140	N/A	This stand is approximately half lowland and half upland. The more southern and western portions of the stand are higher ground and the stand tends to lowlands towards the lowland shrub east of the stand. The aspen are showing some signs of diminishing quality but will likely hold well for another 10 years.																																			
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26	110 - Low Intensity Urban	Nonstocked	3.6	0	Unspecified	No	This is a power line and power line right of way.																																			
27	611 - Lowland Deciduous Forest	Sawtimber Medium	3.8	37	Unspecified	N/A	A remote call was made on this stand. Management of this stand is not possible due to it being blocked by adjacent wetlands and private property. The age of this stand is based on harvest records. Records indicate that much of the surrounding land to the east did not regenerate, but converted to lowland shrub/ash that is now dead.																																			
28	6120 - Lowland Cedar	Sawtimber Medium	3.8	101	111-140	N/A	This stand is too wet to harvest and should be maintained for promoting covertype diversity in the immediate area. The cedar is in pockets but is consistent in presence through much of the stand. The north end and eastern peninsula of the stand are dominant to balsam fir.																																			
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29	4123 - Red Oak	Sawtimber Well	1.2	106	81-110	N/A	This stand is unique due to it being a large log old oak stand with an open understory. There is not much of this type of stand remaining in the area. There is trace sign of invasive autumn olive in the understory and in the surrounding area in general.																																			
30	42330 - Upland Fir	Poletimber Well	7.0	48	81-110	N/A	This stand is has a lowland pocket in the east central region. The overall dominance of balsam fir separates this stand from neighboring stands.																																			
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31	330 - Low-Density Trees	Nonstocked	4.7	0	Unspecified	No	This stand was not visited during time constraints and it being isolated. The cover type was estimated from aerial imagery. This stand is most likely lowland shrub and there is likely around 15 percent tree canopy coverage.																															
32	4130 - Aspen	Poletimber Well	1.9	37	81-110	N/A	This is a healthy aspen stand. Harvest records indicate that this stand was harvested around 1982.																															
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33	4125 - Black, N. Pin Oak	Sawtimber Well	2.4	106	111-140	N/A																																
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34	622 - Lowland Shrub	Nonstocked	11.5			No																																
35	500 - Water	Nonstocked	1.2		Immature	No																																
36	6113 - Lowland Maple	Sawtimber Well	2.4	69	51-80	N/A	OPIC - FMD: VERY WET HOLD INDEF.																															
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37	6111 - Lowland Balsam Poplar	Poletimber Well	9.6	37	81-110	N/A	This stand has been harvested before. This stand is wet. Therefore any future harvest would need to take place in dry summer or frozen ground winter. Timber sale records indicate that this stand was harvested around 1982.																															
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38	622 - Lowland Shrub	Nonstocked	3.9		Immature	No	This stand has between 15 and 20 percent tree canopy but has full coverage of shrub and it is lowland. Therefore, it is called out as lowland shrub.																															
39	42250 - Pine, Oak	Sawtimber Medium	2.4	60	51-80	N/A	OPIC - FMD: contains railroad, gas pipeline, and two tracks on each side of the railroad. Pretty sandy. trash!!																															
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40	122 - Road/Parking Lot	Nonstocked	1.2	29	Immature	No	OPIC - FMD: contains railroad, gas pipeline, and two tracks on each side of the railroad. Pretty sandy. trash!!																																	
41	4132 - Aspen, Jack Pine	Sawtimber Well	1.5	82	81-110	N/A																																		
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42	622 - Lowland Shrub	Nonstocked	4.3			No	OPIC - FMD: TAG ALDER & BLACK WILLOW																																	
43	622 - Lowland Shrub	Nonstocked	17.6			No	OPIC - FMD: TAG ALDER & BLACK WILLOW																																	
44	122 - Road/Parking Lot	Nonstocked	0.6	0		No	This is Piper Road.																																	
45	6112 - Lowland Aspen	Sawtimber Well	0.7	49	81-110	N/A	The aspen had very large growth rings and is a large diameter for its age. This stand is too wet to harvest.																																	
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46	6111 - Lowland Balsam Poplar	Poletimber Medium	2.0	53	1-50	N/A	This stand is too wet to harvest. OPIC - FMD: Cut with stand 19, some areas will be wet, avoid wet areas. Cut area may/will be smaller. Any mixture of regeneration is acceptable. Hold treatment until stands 18, 19, and 20 are prepared for sale.																																	
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47	6120 - Lowland Cedar	Sawtimber Well	1.0	103	111-140	N/A																																		
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48	42350 - Upland Hemlock	Poletimber Well	2.3	80	81-110	N/A	This stand was walked through but the overall species composition and age was estimated to make sure that this hemlock dominated stand is protected from future harvests.																																	
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<b>51</b>	6123 - Lowland Fir	Poletimber Well	1.3	48	81-110	N/A	There is a pocket of cedar at the east end of this stand the should be protected during future harvests to promote diversity. Overall, this stand could be merged into the surrounding stand, but having it separated out adds to our knowledge of the area.																																				
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<b>52</b>	623 - Emergent Wetland	Nonstocked	10.6		Immature	No	This stand is a mix between emergent wetland and lowland shrub.																																				
<b>53</b>	622 - Lowland Shrub	Nonstocked	36.6		Immature	No																																					
<b>57</b>	611 - Lowland Deciduous Forest	Poletimber Poor	1.7	35	1-50	N/A	Due to time constraints on the day that this area was visited and the remoteness of this small acreage stand, a remote call was made on this stand. Based on aerial imagery, this stand is most likely very similar in composition to Stand 59 to the southeast.																																				
<b>59</b>	6113 - Lowland Maple	Poletimber Poor	1.2	35	1-50	N/A	This is a small forested pocket among many acres of lowland shrub.																																				
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<b>61</b>	4130 - Aspen	Poletimber Well	5.4	36	81-110	N/A	Higher ground is present in the western one-third. The aspen are large pole to the west, large log in the central region, and small pole to the east.																																				
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<b>63</b>	330 - Low-Density Trees	Nonstocked	14.4		Immature	No	This stand is borderline forested. This stand is too wet to harvest and should be allowed to convert to a lowland maple stand. Presently there are mainly scattered paper birch, quaking aspen, balsam poplar, and red maple with sparse cedar, white spruce and balsam fir.																																				