



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54114

Entry Year 2021

Acreage: 332

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 2019-06-06

Stand Examiner: Dale Parris

Legal Description:

T32N R07E Sections 31, 32, and 33

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 114, 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 114 is dominated by the Wakeley mucky sand (very poorly drained), Tonkey silt loam (poorly drained), Tocoda sand (somewhat poorly drained), and the Tacoda-Wakeley complex lowland soils.

The slightly higher elevation upland soils present are the Rosseau fine sand (well drained), Ossineke fine sandy loam (moderately well drained) , and the Crowell-Proper fine sand (somewhat excessively drained, moderately well drained, respectively).

For more details on the soils found in Compartment 105 reference the Soil Survey of Alpena County.

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

The north and east boundaries of Compartment 114 are adjacent to smaller acreage residential and summer homes. To the south of Compartment 114 is more state land, and to the west there is larger acreage recreational property.

Unique Natural Features:

As part of the Natural Heritage Database (NHD), the Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website, had no record of rare animal species that have been documented as being near or within Compartment 105.

Archeological, Historical, and Cultural Features:

The NHD had no record of archeological, historical, and/or cultural features within Compartment 114. For further information contact the State Historic Preservation Office (SHPO).

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 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. Heterobasidion Root Disease (HRD) needs to be considered in managing red pine dominated stands.

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. Habitat components of the river corridor and large wetland complexes as well as aspen provide food and cover for

multiple species at a variety of age classes. We are working to maintain winter cover areas as well as keep a good age rotation of aspen in this compartment with consideration of adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is located more than five miles away. Due to a shallow water table and abundance of clay in the area, sand & gravel potential within the compartment appears low. Bedrock limestone appears to be too deep here to have economic mining potential. There are some karst features, such as sink holes, mapped in the area. There could be potential for additional sink holes to develop in this area in the future. There is no known oil & gas potential in this area, and there is no current mineral lease activity. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Compartment 114 is accessible from Shannon Road to the south and the forest road that heads northeast from Shannon road into the east block of the compartment.

Survey Needs:

A survey may be needed in T32N R07E, Section 31 for proper set-up of timber sale boundaries. Further investigation will need to be completed to verify the need for a survey before a survey request is placed.

Recreational Facilities and Opportunities:

In Compartment 114 there are recreational opportunities for the hunting of white-tailed deer, woodcock, grouse, rabbit, and turkey.

Fire Protection:

In the case of a wildland fire, response to Compartment 114 will be from the Alpena DNR office as well as the Maple Ridge Township Fire Department.

Additional Compartment Information:

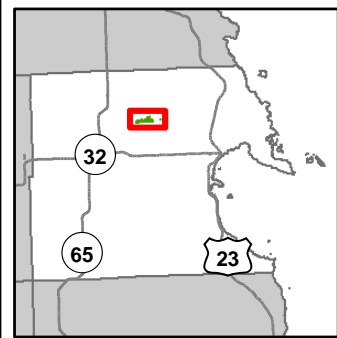
The following reports from the Inventory are attached:

- 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:

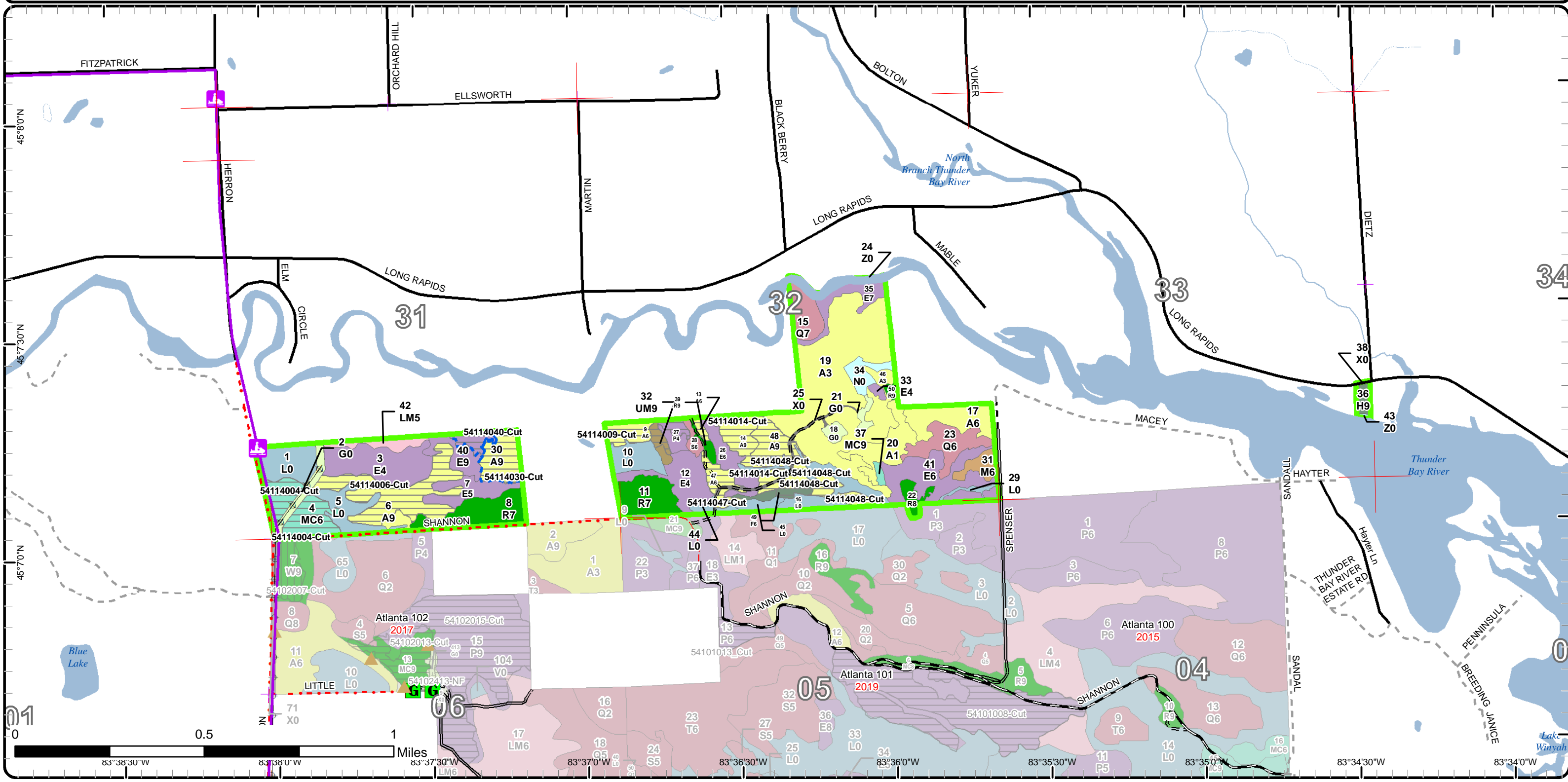
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

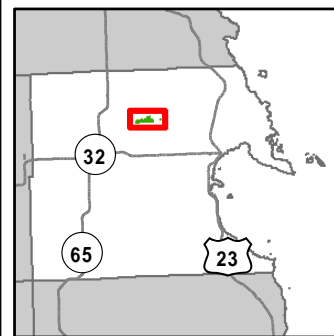


Compartment: 114
 T32N, R07E, Sec. 31-33
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2021
 Acres: 332 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 10/10/2019
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- 🚙 Snowmobile Trails
- 👉 Designated Snowmobile Trails
- ▲ Berms
- 🚪 Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ⚡ Powerline
- 🟩 Compartment Boundary
- 🔲 Treatments with Site Conditions
- 🔲 Clearcut (w/Reserves)
- 🟫 411 - Northern Hardwood
- 🟡 413 - Aspen
- 🟢 422 - Natural Pines
- 🟤 423 - Other Upland Conifers
- 🟡 429 - Mixed Upland Conifers
- 🟤 430 - Upland Mixed Forest
- 🟪 611 - Lowland Deciduous Forest
- 🟫 612 - Lowland Coniferous Forest
- 🟪 613 - Lowland Mixed Forest
- 🟤 122 - Roads/Parking Lot
- 🟡 310 - Herbaceous Openland
- 🟢 500 - Water
- 🟢 622 - Lowland Shrub
- 🟢 623 - Emergent Wetland
- 🟢 Lakes

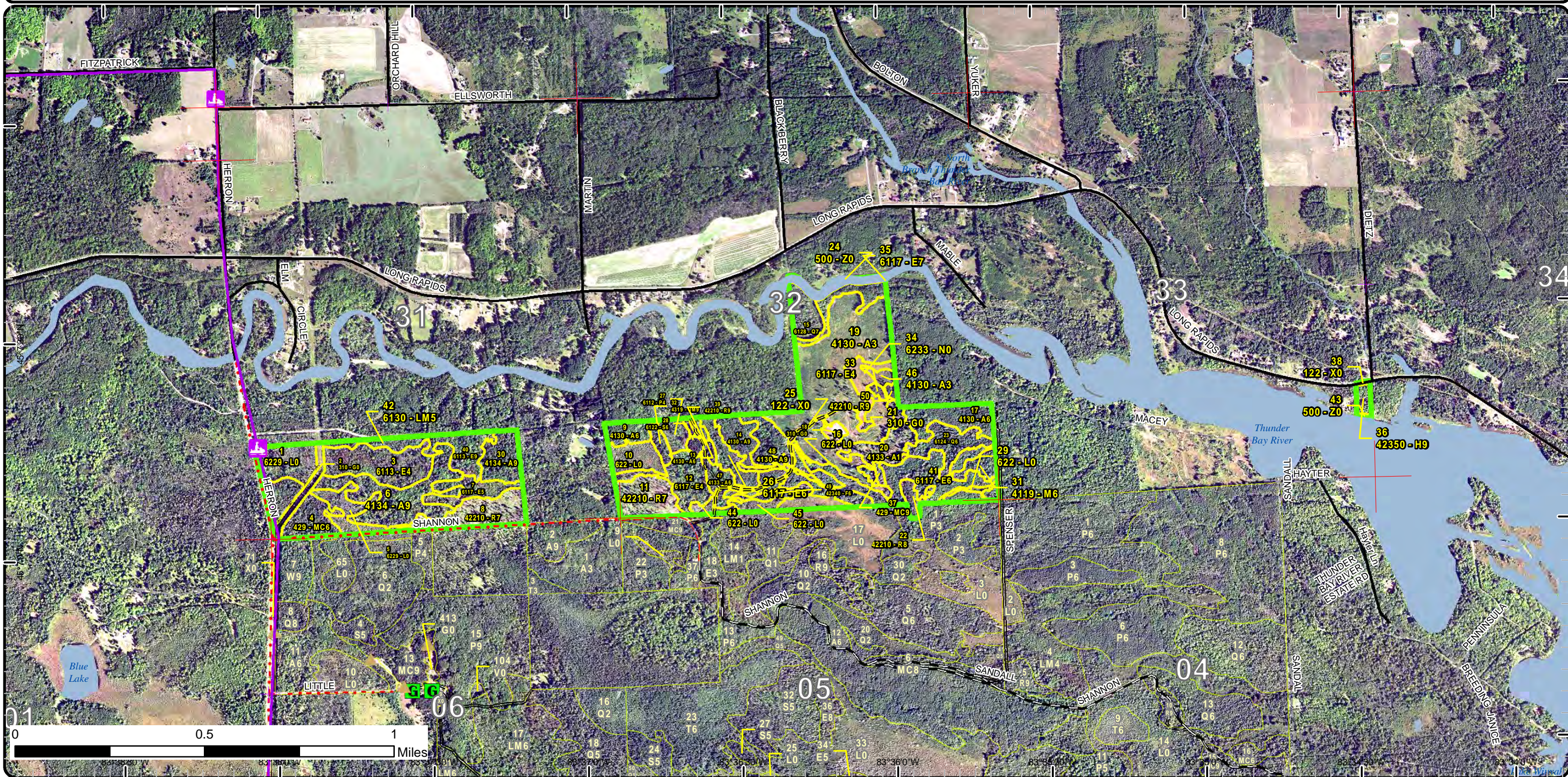


Stand Boundary Map



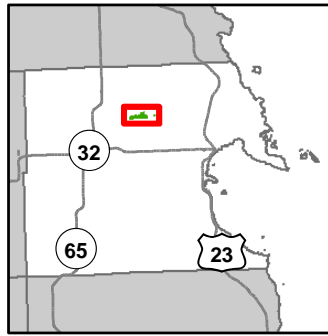
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 - County - Gravel Road
 - County - Dirt Road (Seasonal)
 - Private - Dirt / Gravel Road
 - Snowmobile Trails
 - Designated Snowmobile Trails
 - ▲ Berms
 - Gate
 - Intermittent Stream
 - Lake/Pond
 - Perennial River
 - Lakes and Rivers All
 - Powerline
 - Compartment Boundary
 - Stand Boundaries
- 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - 122 - Roads/Parking Lot
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 411 - Northern Hardwood
 - 413 - Aspen
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 430 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest

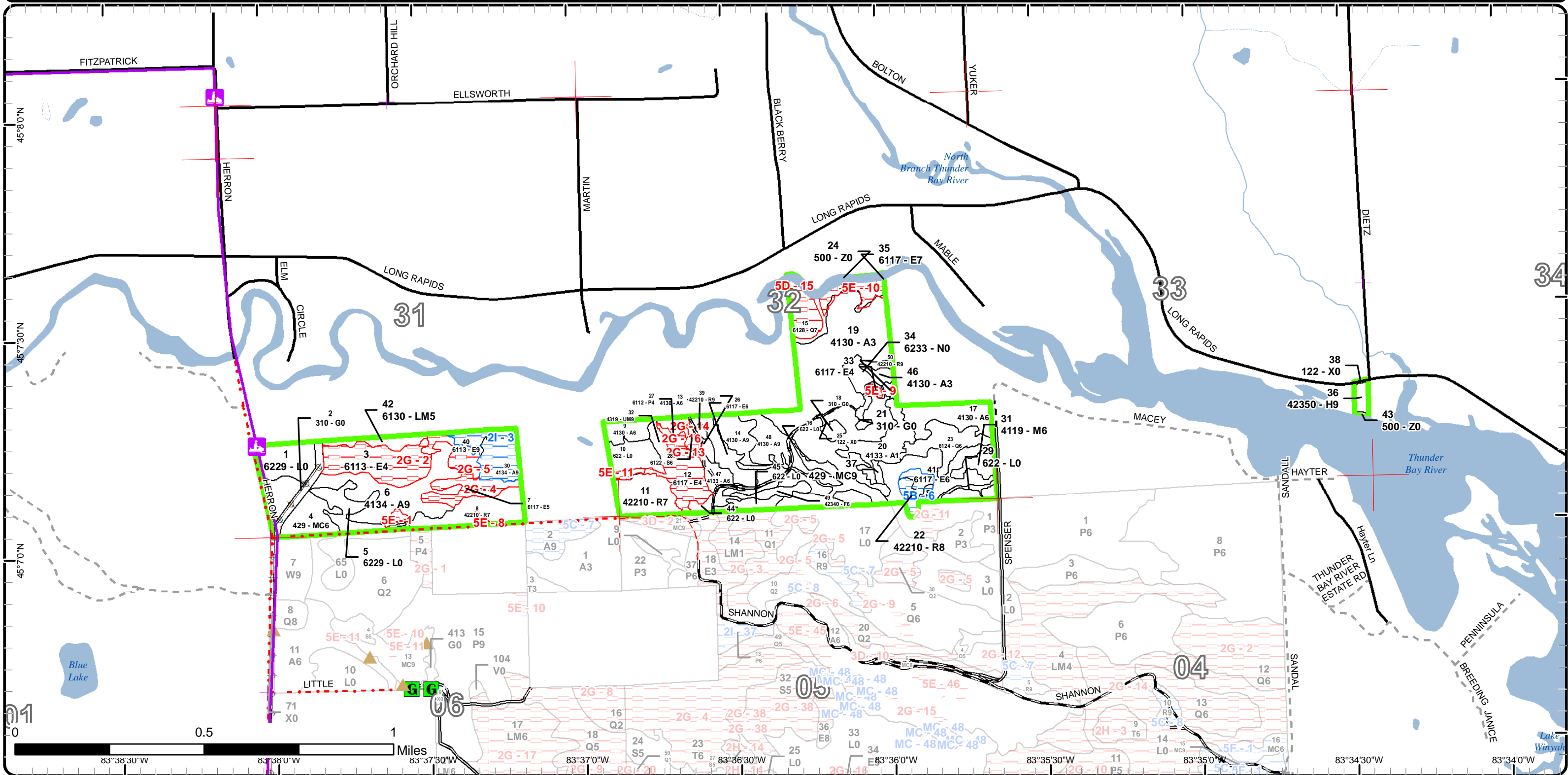


Special Conservation Areas & Site Conditions Map

Compartment: 114
 T32N, R07E, Sec. 31-33
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- Designated Snowmobile Trails
- ▲ Berms
- Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	65	0	0	10	8	26	27	0	0	0	0	0	0	0	0	0	0	136
Hemlock	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	9	0	0	0	0	0	0	6	0	0	0	0	0	0	15
Lowland Deciduous	0	0	0	0	18	24	15	0	0	5	0	0	8	0	0	0	0	0	70
Lowland Mixed Forest	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	0	0	0	0	0	1	10	12	4	0	0	0	0	0	0	27
Upland Conifers	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Mixed Forest	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Upland Spruce/Fir	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	53	65	0	0	41	56	41	29	1	17	14	10	8	0	0	0	0	0	335



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 114

Total Compartment Acres: 332

Commercial Harvest - 64
 Harvests with Site Condition - 11
 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	54	0	0	0	0	0	0	0	0	54
Lowland Aspen/Balsam Poplar	2	0	0	0	0	0	0	0	0	2
Lowland Deciduous	3	0	0	0	0	0	0	0	0	3
Upland Conifers	13	0	0	0	0	0	0	0	0	13
Upland Mixed Forest	1	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	2	0	0	0	0	0	0	0	0	2
Total	75	0	0	0	0	0	0	0	0	75

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	75	0	0	0	0	0	0	0	0	75
Next Step	0	0	0	0	0	75	0	0	0	75
Total	75	0	0	0	0	75	0	0	0	149



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	54114004-Cut	12.9	429 - Mixed Upland Conifers	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Clear-cut with retention.

Specs:

- Place retention in areas that are reasonable visual breaks that do not create windthrow issues near power lines, etc.
- Focus the retention around young pine pockets while keeping the retention stand representative.
- Include the spec that requires grouse logs and brush piles for hare.
- Mark all legacy pine for retention.

Snowmobile Trail 464 runs along east edge of compartment on Herron Road. Include spec to to protect, users, trail signs, and crossing off Herron Road.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked stand of aspen, red maple, paper birch, balsam fir, white spruce, white pine, and red pine.

Other Comment:

Proposed Start Date: 10/1 /2020

6	54114006-Cut	19.7	4134 - Aspen, Spruce/Fir	Sawtimber Well	53	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear-cut with retention.

Specs:

- Retained 3 to 10 percent of the stand in areas difficult to access due to saturated soils.
- Harvested acres are likely to substantially decrease due to saturated soils.
- Retain all legacy red and white pine.
- 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 red maple, aspen, paper birch, balsam fir, spruce and pine.

Other Comment: Crane mats will likely be necessary for access from Shannon Road. Include crane mat spec.

Do not harvest the long term retention from a previous sale at the south end of the stand.

Proposed Start Date: 10/1 /2020



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
9	54114009-Cut	4.3	4130 - Aspen	Poletimber Well	55	81-110	Harvest	Clearcut	4130 - Aspen	Even-Aged	Approved Proposal

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

Retention is not necessary due to the small size of the stand.

Retain all pine to promote future stand diversity.

Include the crane mat spec for access through stand 28 to the east.

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 a medium to well stocked stand that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.Other Comment: Access through private land via the private Simmons Road coming in from the west from Herron Road may be necessary. There is the possibility of using Stand 13 for the landing and forwarding wood from stands 9, 32, and 27 through a small portion of Stand 28 that would need to be harvested. Stands 27 and 28 are low ground and would require operations to occur in dry summer or frozen winter.Proposed Start Date: 10/1 /2020

13	54114013-Cut	0.8	4130 - Aspen	Poletimber Well	65	51-80	Harvest	Clearcut	4130 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**Prescription Clear-cut. Retention is not necessary due to the small size of the stand. Retain all white pine to promote future stand diversity.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Regen: Acceptable regeneration is a medium to well stocked stand that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.Other Comment: There is the possibility of using Stand 13 for the landing and forwarding wood from stands 9, 32, and 27 through a small portion of Stand 28 that would need to be harvested. Stands 27 and 28 are low ground and would require operations to occur in dry summer or frozen winter.Proposed Start Date: 10/1 /2020

14	54114014-Cut	7.9	4130 - Aspen	Sawtimber Well	44	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**Prescription Clear-cut with retention.Specs:

Leave 3-10% of the original stand focused around diversity pockets while keeping the retention stand representative overall.

Retain all white pine to promote future stand diversity.

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 a medium to well stocked stand with any mix that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.Other Comment: Harvest in dry summer or frozen winter.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
27	54114027-Cut	1.6	6112 - Lowland Aspen	Poletimber Poor	46	1-50	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Clear-cut. Retention is not necessary due to the small size of the stand. Only harvest trees with one or more 100 inch merchantable stick.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is a poorly stocked stand that includes some or all of the following species: Aspen, red maple, balsam fir, paper birch, and spruce.

Other Comment: Access through private land via the private Simmons Road coming in from the west from Herron Road may be necessary. There is the possibility of using Stand 13 for the landing and forwarding wood from stands 9, 32, and 27 through a small portion of Stand 28 that would need to be harvested. Stands 27 and 28 are low ground and would require operations to occur in dry summer or frozen winter.

Proposed Start Date: 10/1 /2020

30	54114030-Cut	8.0	4134 - Aspen, Spruce/Fir	Sawtimber Well	63	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Clear-cut with retention.
Specs:

Place retention around diversity pockets and legacy pine, if present, while keeping the retention stand representative.

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, pine, and/or spruce.

Other Comment: Harvest in dry summer or frozen winter.

Crane mats or Corduroy may be required for access through the drainage to the south. Include the crane mat spec.

Access from the private road to the north could be pursued by the producer with the winning bid.

Proposed Start Date: 10/1 /2020

32	54114032-Cut	1.4	4319 - Mixed Upland Forest	Sawtimber Well	63	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

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

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is a medium to well stocked stand that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.

Other Comment: Access through private land via the private Simmons Road coming in from the west from Herron Road may be necessary. There is the possibility of using Stand 13 for the landing and forwarding wood from stands 9, 32, and 27 through a small portion of Stand 28 that would need to be harvested. Stands 27 and 28 are low ground and would require operations to occur in dry summer or frozen winter.

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
40	54114040-Cut	2.8	6113 - Lowland Maple	Sawtimber Well	113	81-110	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Approved Proposal

Habitat Cut: No **Site Condition: Survey Needed**

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

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Other Harvest in dry summer or frozen winter.

Comment:

Harvest with the stand to the east.

Crane mats or Corduroy may be required for access through the drainage to the south.

Access from the private road to the north could be pursued by the producer with the winning bid.

This is a slightly upland portion of a lowland stand.

Proposed Start Date: 12/10/2018

47	54114047-Cut	4.3	4133 - Aspen, Mixed Pine	Poletimber Well	65	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clear-cut.

Specs:

Retention is not necessary due to the small size of the stand.

Retain all white pine to promote future stand diversity.

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 a medium to well stocked stand that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.

Other

Comment:

Proposed Start Date: 10/1 /2020

48	54114048-Cut	13.6	4130 - Aspen	Sawtimber Well	62	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clear-cut with retention.

Specs:

Retain 10 percent of the stand in the southern most island of the stand that is separated by a somewhat wide drainage.

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 a medium to well stocked stand that includes some or all of the following species: Aspen, red maple, white pine, balsam fir, paper birch, spruce, and red pine.

Other

Comment:

Harvest in dry summer or frozen winter.

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
49	54114049-Cut	1.5	42340 - Upland Spruce/Fir	Poletimber Well	47	51-80	Harvest	Clearcut	4319 - Mixed Upland 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:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration is any medium stocked mix of balsam fir, apsen, red maple, birch, and/or spruce.

Regen:OtherComment:

Proposed Start Date: 10/1 /2020

**Total Treatment
Acreage Proposed: 78.8**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 114
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2I	5B	2G	3D	5D	5E	
135	125	8	2	Aspen	8		0				2
2	2	0	0	Hemlock							
6	6	0	0	Herbaceous Openland							
3	2	0	2	Lowland Aspen/Balsam Poplar			2				
15	9	0	6	Lowland Conifers					6		
70	23	5	42	Lowland Deciduous	3	2	36	0			5
4	4	0	0	Lowland Mixed Forest			0				
38	38	0	0	Lowland Shrub			0				0
2	0	0	2	Lowland Spruce/Fir			2				
4	4	0	0	Marsh							
3	3	0	0	Northern Hardwood							
27	24	3	0	Red Pine		3	0	0			0
14	14	0	0	Upland Conifers							
2	2	0	0	Upland Mixed Forest			0				
3	3	0	0	Upland Spruce/Fir							
2	2	0	0	Urban			0				
3	3	0	0	Water							0
332	263	16	53	Total Forested Acres	11	5	40	0	6		7
	79%	5%	16%	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	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention for the timber sale that was completed to the east and north of Shannon Road.							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 114
Year of Entry: 2021

3	Available	2I: Survey needed	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Further investigation of records and on the ground will need to be completed to determine if a survey is needed.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 114
Year of Entry: 2021

11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This long term retention was determined to be nonrepresentative during the 2021 YOE inventory. The eastern 0.4 acres were removed from the retention due to the retention area being greater than 10% of the overall stand area. This retention is for the 10 acres that was harvested to the south, and it should have contained red pine. There was no significant adjacent red pine present for which to place the retention around.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5D: Unproductive Forest Land	6	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	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
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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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
1	6229 - Mixed lowland shrub	Nonstocked	9.1		Immature	No	This stand was mostly flooded during the winter of 2018 in December. There are random pockets of mixed upland forest and mixed deciduous forest.					
								Canopy Species	Density	Avg. Height	Size	
								Tag Alder	Full	Variable	Tall Shrub	
2	310 - Herbaceous Openland	Nonstocked	3.6		Immature	No	This is a power line right of way.					
								Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Medium	< 5 feet	Sapling	
		White Spruce	Low	< 5 feet	Sapling							
3	6113 - Lowland Maple	Poletimber Poor	15.4	54	1-50	N/A	This is a floodplain red maple stand. The green ash have died and made the canopy much less dense. There are some remnant large red maple clumps remaining that reach around 18 inches in diameter.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	93	Pole/Log	9	54
								Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Low	5 - 10 feet	Sapling	
Tag Alder	High	5 - 10 feet	Tall Shrub									
		Green Ash	Low	Variable	Sapling							
4	429 - Mixed Upland Conifers	Poletimber Well	12.9	46	81-110	N/A	The entire quarter-quarter that this stand is in was planted to red pine and white pine in 1931. This would put the planted white pine at 87 years old in 2018. A 8.5" DBH inch aspen aged at 53 years old in December of 2018. There is lots of windthrow of understory balsam fir. This stand is close to being a log sized stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	25	Pole/Log	9	54
								Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Low	Variable	Sapling	
								White Pine	Low	Variable	Sapling	
										Balsam Fir	Low	Variable
		White Pine	Low	Variable	Sapling							
5	6229 - Mixed lowland shrub	Nonstocked	7.3			No						
6	4134 - Aspen, Spruce/Fir	Sawtimber Well	21.3	53	81-110	N/A	The western quarter-quarter that this stand is in was planted to red pine, white pine, and jack pine in 1924. The eastern quarter-quarter that this stand is in was planted to red pine, and white pine in 1931. There are likely access issues to the stand from Shannon Road to the south. Harvest records indicate that aspen, red maple, and paper birch were harvested from an entire quarter-quarter where volume was in excess of 3 cords/ac in 1965, which is a earof from the cored aspen age. The aspen in the west end of the stand are likely older than the aspen in the central portion of the stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	15	Log/Pole	12	
								Canopy Species	Density	Avg. Height	Size	
								Red Maple	Low	5 - 10 feet	Sapling	
								Balsam Fir	Medium	10 - 20 feet	Pole	
										Tag Alder	Low	5 - 10 feet
		White Pine	15	XLog/Log	20							
		Quaking Aspen	38	Log/Pole	10	53						
7	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.0	40	1-50	N/A	In the winner of 2018 this stand was full of water. It acts as a runoff.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	50	Pole	6	40
								Canopy Species	Density	Avg. Height	Size	
								Tag Alder	High	5 - 10 feet	Tall Shrub	
								Balsam Fir	Low	Variable	Sapling	
		Balsam Fir	Low	Variable	Sapling							
		Tamarack	10	Sapling/Pole	3							
		Paper Birch	20	Pole/Sapling	6							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
8	42210 - Natural Red Pine	Sawtimber Poor	11.8	93	1-50	N/A	The harvest on this stand was completed on 1/1/14. A basal area of 35 sq. ft. per acre of pine and oak was retained. This stand has rolling slopes. There is a half acre lowland red maple sliver that runs north in the south central portion of the stand. The red maple regeneration is heavily browsed. There is very little, if any, red tie and regeneration. The northwest most portion of the stand has one acre that is wet with tag alder but is still growing log sized red pine.																																								
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9	4130 - Aspen	Poletimber Well	4.3	55	81-110	N/A	Harvest records indicate that all aspen, red maple, and paper birch with a merchantable stick were harested from this area in 1964.																																								
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10	622 - Lowland Shrub	Nonstocked	6.3			No																																									
11	42210 - Natural Red Pine	Sawtimber Poor	10.1	82	1-50	N/A	The harvest on this stand was completed on 1/1/14. A basal area of 25 sq. ft. per acre of pine and oak was retained. According to planting records the entire quarter-quarter that this stand is in was planted to red pine and jack pine in 1928. Aging a 14 inch diameter DBH red pine gave an age of 77 years; somewhat closely verifying the age of 81 years recorded during the previous inventory. This does not match the planting record which would give 90 years.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
15	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Poor	6.1	104	51-80	N/A	This stand is in the flood plain of the Thunderbay River.																																	
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16	622 - Lowland Shrub	Nonstocked	9.9			No	This is lowland shrub with scattered red maple, balsam fir, paper birch, tamarack, and spruce of pole to sapling size.																																	
17	4130 - Aspen	Poletimber Well	10.0	35	51-80	N/A	The harvest of this stand was completed in 1984. All trees with a merchantable stick were harvested, except red pine which were marked to cut.																																	
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18	310 - Herbaceous Openland	Nonstocked	1.5			No	This wildlife opening is likely one of the openings created by the the Wildlife Division in 1981 as part of W54-126. This area was used for a landing during the surrounding harvest in 2014.																																	
19	4130 - Aspen	Sapling Well	53.9	5	1-50	N/A	This stand was clear-cut in the Fall 2013/Winter 2014 as part of Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01. Every tree larger than 2 inches in DBH was harvested except for white pine, red pine, hemlock, and oak.																																	
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20	4133 - Aspen, Mixed Pine	Sapling Poor	9.1	5	1-50	N/A	This stand was clear-cut in the Fall 2013/Winter 2014 as part of Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01. Every tree larger than 2 inches in DBH was harvested except for white pine, red pine, hemlock, and oak.																																	
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21	310 - Herbaceous Openland	Nonstocked	1.3			No	This wildlife opening is likely one of the openings created by the the Wildlife Division in 1981 as part of W54-126. This area was used for the landing during the 2014 timber sale.																																	
22	42210 - Natural Red Pine	Sawtimber Medium	2.7	102	111-140	N/A	This is a nice high quality natural red pine stand.																																	
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23	6124 - Lowland Spruce-Fir	Poletimber Well	8.7	35	1-50	N/A	The harvest of this stand was completed in 1984. All trees with a merchantable stick were harvested, except red pine which were marked to cut. There is a ½ acre lowland shrub pocket running east west at the west end of the stand. Lowland shrub pockets are present throughout.																																																			
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24	500 - Water	Nonstocked	2.7			No	This is the Thunder Bay River.																																																			
25	122 - Road/Parking Lot	Nonstocked	2.1			No	This is a forest road.																																																			
26	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	6.6	42	51-80	N/A																																																				
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27	6112 - Lowland Aspen	Poletimber Poor	3.4	46	1-50	N/A	This is a newly created stand that was likely harvested with the stand to the west in 1964. The north end of the stand is slightly higher ground and might possibly be harvested with the stand to the west. (Harvest records indicate that all aspen, red maple, and paper birch with a merchantable stick were harvested from this area in 1964.)																																																			
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28	6122 - Black Spruce	Poletimber Well	1.6	80	81-110	N/A	An 8 inch DBH black spruce age at 67 plus 12 equals 79. That the entire force floor is covered with moss.																																																			
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29	622 - Lowland Shrub	Nonstocked	1.1		Immature	No	There are scattered red maple and red maple clumps. This stand could be considered low density trees.																																																			
30	4134 - Aspen, Spruce/Fir	Sawtimber Well	8.0	63	81-110	N/A	The aspen grew very fast and stand.																																																			
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31	4119 - Mixed Northern Hardwoods	Poletimber Well	3.5	35	51-80	N/A	The harvest of this stand was completed in 1984. Scattered mature aspen were left scattered across the stand.																																		
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32	4319 - Mixed Upland Forest	Sawtimber Well	2.2	63	51-80	N/A	This small stand has the red pine to the south, black spruce up towards the center, and red maple to the north.																																		
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33	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	0.8	30	1-50	N/A	This stand is retention from Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01.																																		
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34	6233 - Wet Meadow	Nonstocked	3.6	0		No	The southern portion of this stand was clear-cut in the Fall 2013/Winter 2014 as part of Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01. Every tree larger than 2 inches in DBH was harvested except for white pine, red pine, hemlock, and oak. There is only a tree or two residual in this stand and the portion that was harvested will take a long time growing back due to high moisture levels.																																		
35	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Poor	5.4	80	51-80	N/A	There is some balsam fir windthrow in this stand that is mostly the result of the harvest to the south exposing this stand to the wind. The large old bigtooth aspen are primarily at the east end of the stand. There are some large white pine near the river's edge.																																		
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36	42350 - Upland Hemlock	Sawtimber Well	1.9	99	111-140	N/A																																			
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37	429 - Mixed Upland Conifers	Sawtimber Well	0.7	45	111-140	N/A	The west half of this stand was clear-cut in the Fall 2013/Winter 2014 as part of Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01. Every tree larger than 2 inches in DBH was harvested except for white pine, red pine, hemlock, and oak.																																						
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38	122 - Road/Parking Lot	Nonstocked	0.2	0		No	Long Rapids Road																																						
39	42210 - Natural Red Pine	Sawtimber Well	1.3	104	141-170	N/A																																							
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40	6113 - Lowland Maple	Sawtimber Well	7.6	113	81-110	N/A																																							
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41	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	16.7	35	1-50	N/A	The harvest of this stand was completed in 1984. All trees with a merchantable stick were harvested, except red pine which were marked to cut. There are scattered mature red pine present mostly in the north-central region of the stand.																																						
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42	6130 - Fir, Aspen, Maple	Poletimber Medium	3.7	46	1-50	N/A	This entire quarter-quarter was planted to red pine, white pine, and jack pine in 1924.strip of b. fir and maple along north edge.																																						
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43	500 - Water	Nonstocked	0.2	0		No	This is part of Lake Winyah/Thunderbay River.																																						
44	622 - Lowland Shrub	Nonstocked	1.9			No																																							
45	622 - Lowland Shrub	Nonstocked	2.4		Immature	No	This is lowland shrub with a dominant under layer of cattail.																																						



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46	4130 - Aspen	Sapling Well	1.7	5	Immature	N/A	This stand was clear-cut in the Fall 2013/Winter 2014 as part of Timber Sale Name: Deer Bait Aspen; Timber Sale No.: 54-026-11-01. Every tree larger than 2 inches in DBH was harvested except for white pine, red pine, hemlock, and oak.																												
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47	4133 - Aspen, Mixed Pine	Poletimber Well	4.3	65	51-80	N/A																													
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48	4130 - Aspen	Sawtimber Well	13.7	62	81-110	N/A	But these are very fast growing aspen that are on the decline.																												
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49	42340 - Upland Spruce/Fir	Poletimber Well	2.7	47	51-80	N/A	The east end of the stand is dominate to balsam fir and the west end of the stand is dominate black spruce. The east end of the stand is more upland a and the west end of the stand is more lowland.																												
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50	42210 - Natural Red Pine	Sawtimber Well	0.8	74	111-140	N/A	This is a nice high quality natural red pine stand.																												
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