



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 131 ENTRY YEAR: 2013

Compartment Acreage: 1290 County: Presque Isle

Revision Date: October 27, 2011

Stand Examiner: Barber

Legal Description: T33N, R5E, Sec. 28, 29, & 33

RMU (if applicable): Alpena Lake Plain MA

Management Goals: Most current management opportunities involve northern hardwoods in the northwest part of the compartment.

Soil and Topography: This compartment is nearly 70% lowland types. The soils tend to be either poorly drained sands or organic. Uplands are mostly AFO.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Surrounding lands are mostly hunting camps.

Unique, Natural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: Much of this compartment consists of flood plains associated with the North Branch of the Thunder Bay River.

Wildlife Habitat Considerations: This compartment is important for beaver, black bear, waterfowl, white-tailed deer, ruffed grouse, American woodcock and there is potential habitat for red-shouldered hawk. Openings that were once managed for wildlife are brushing in and are now considered forested. With the amount of existing farm and idle openings surrounding this compartment on private lands, no opening maintenance is scheduled this review period. Timber harvest prescribed on the western portion of the compartment was carried over from the last review period. Aspen cutting prescribed will provide early successional habitat for a variety of wildlife. It is recommended that ground structure be created in the form of down logs and trees with tops in the aspen cutting.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck. The glacial drift thickness varies between 0 and 50 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for limestone/cement products. The nearest gravel pits are located within one mile. The potential in the compartment appears to be good. This area has had limited drilling for Guelph (Niagaran) reef oil and gas. Oil and gas potential appears limited at this time and none of the State land is leased for oil and gas.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: Surveying may be required for timber sale preparation.

Recreational Facilities and Opportunities: Mostly hunting.

Fire Protection: Adequate.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**

- ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
- ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

Cover Type & Treatment Map

Compartment 131
 T33N, R05E, Sec. 28, 29, 33
 County: Presque Isle
 Unit: Atlanta
 YOE: 2013
 Acres: 1,291 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/11/2011
 Map Phase: Pre-Review



Stand # 23
 Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)

Forest Stands

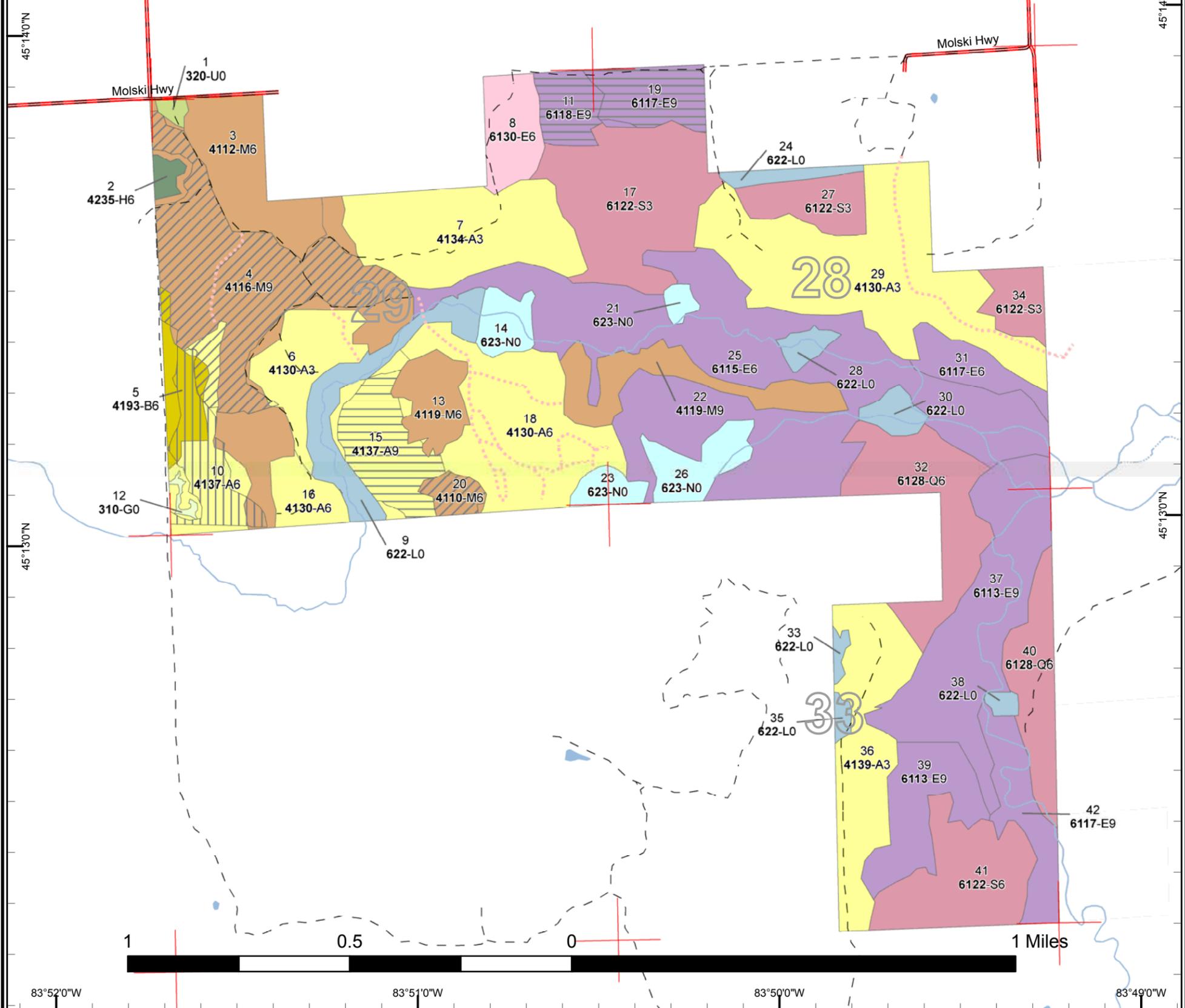
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland



83°52'0"W 83°51'0"W 83°50'0"W 83°49'0"W

Stand Boundary Map

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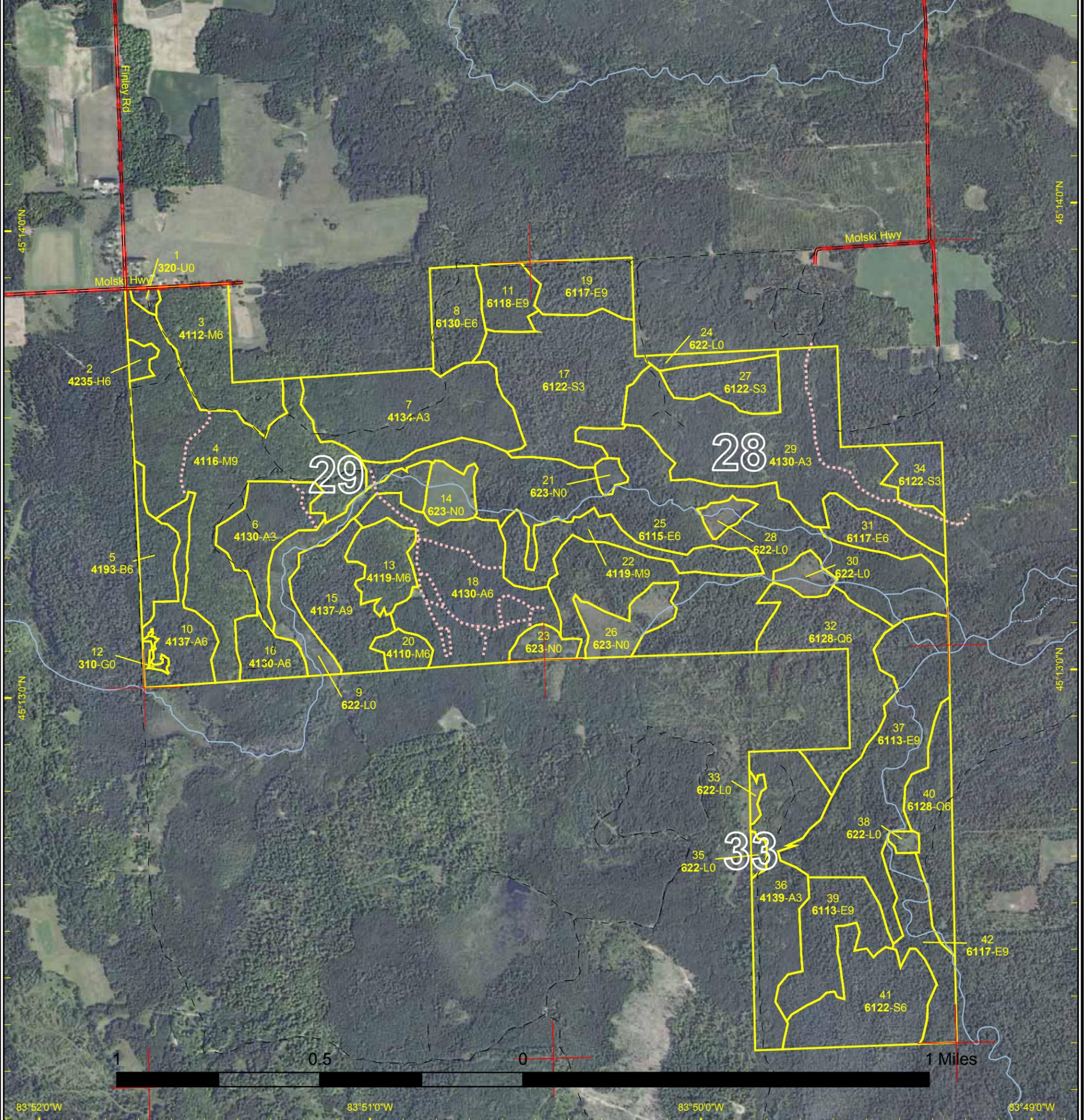
29 28
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 DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN

Stand # 23
 Stacking Density
 (412)0 - A7
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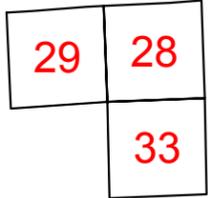
Legend

— Miris Corners	Forest Stands	Non-Forest Stands
— Paved Roads	Level 3	Level 3
— County Gravel Roads	411 - Northern Hardwood	310 - Herbaceous Openland
- - - Poor Dirt Roads	413 - Aspen Types	320 - Upland Shrub
..... Closed Roads	419 - Mixed Upland Deciduous	622 - Lowland Shrub
..... Intermittent Stream/Drain	423 - Other Upland Conifers	623 - Emergent Wetland
— Stream	611 - Lowland Deciduous Forest	
□ Stand Boundaries	612 - Lowland Coniferous Forest	
	613 - Lowland Mixed Forest	



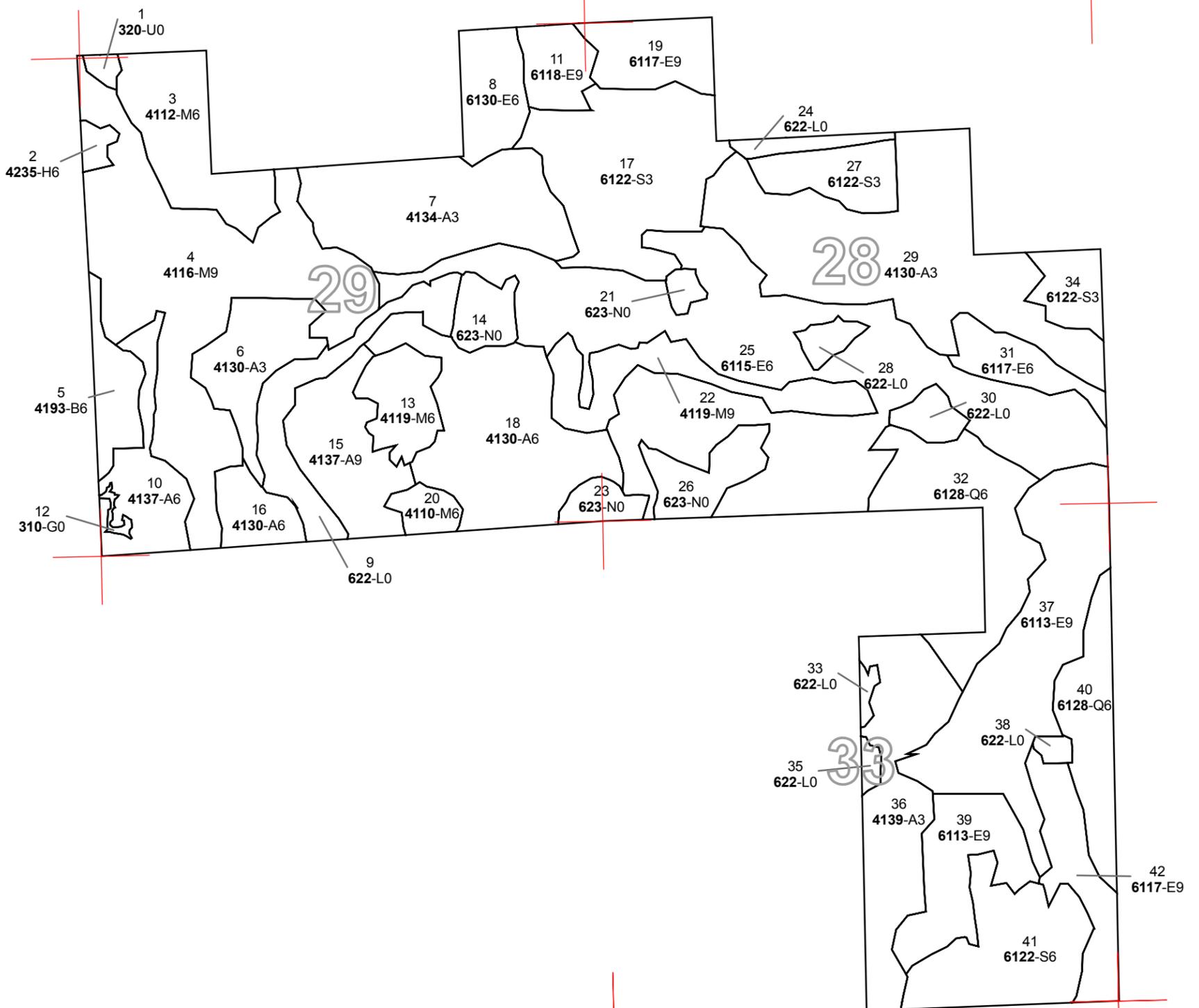
Dedicated & Proposed Special Conservation Area Map

Compartment 131
T33N, R05E, Sec. 28, 29, 33
County: Presque Isle
Unit: Atlanta
YOE: 2013
Acres: 1,291 GIS Calculated
Stand Examiner: Richard Barber
Map Revised: 8/11/2011
Map Phase: Pre-Review



Stand # 23
Stocking Density
(412)0 - A7
Level 3 OI
Level 4 Code
Cover Type Code

- Legend**
- Miris Corners
 - Stand Boundaries
- Forest Stands**
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- 411 - Northern Hardwood
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83°52'0"W 83°51'0"W 83°50'0"W 83°49'0"W

45°14'0"N
45°13'0"N

45°15'0"N
45°14'0"N
45°13'0"N

Table 1 – Total Acres by Cover Type and Age Class



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Unre/en Age
Aspen	0	0	216	93	0	13	25	0	0	0	0	0	0	0	33	380
Hemlock	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	0	0	0	28	0	44	0	0	0	0	0	71
Lowland Deciduous	0	0	0	0	0	0	0	0	21	146	185	14	0	0	0	366
Lowland Mixed Forest	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	19
Lowland Shrub	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	141	0	0	0	0	0	141
Marsh	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Northern Hardwood	0	0	0	0	0	0	0	0	0	176	28	0	0	0	0	204
Paper Birch	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	15
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	90	0	216	93	0	13	39	47	21	510	214	14	0	0	33	1291



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 131
Total Compartment Acres: 1291

Acres by Treatment Type

Commercial Harvest - 180	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen	28	0	0	15	0	0	44
Lowland Deciduous	34	0	0	0	0	0	34
Northern Hardwood	0	0	0	0	94	0	94
Paper Birch	0	0	0	8	0	0	8
Total	62	0	0	23	94	0	180



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	54131005- species shelt	7.6	4193 - Birch, Aspen	High Density Pole	50	Harvest	Shelterwood	4113 - R.Maple, Conifer	Cmpt. Review Proposal
<u>Prescription</u> Remove aspen and birch 2" DBH and greater									
<u>Specs:</u>									
<u>Other</u> Re-issue of 54-013-03-01.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
10	54131010- Species Shelt	15.4	4137 - Aspen, Birch	High Density Pole	50	Harvest	Shelterwood	4113 - R.Maple, Conifer	Cmpt. Review Proposal
<u>Prescription</u> Remove aspen and birch 2" DBH and greater.									
<u>Specs:</u>									
<u>Other</u> Re-issue of 54-013-03-01.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
11	54131011- CCR	13.8	6118 - Lowland Deciduous with Cedar	High Density Log	104	Harvest	Clearcut with Reserves	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Do not cut hemlock or white-cedar, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine									
<u>Specs:</u> resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
15	54131015- CCR	28.3	4137 - Aspen, Birch	High Density Log	56	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Do not cut red pine, white pine, oak, hemlock or white-cedar, if present. Acceptable regeneration is any combination of aspen, oak, jack pine,									
<u>Specs:</u> red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole. Paint steep slopes out of sale.									
<u>Other</u> Keep sale at least 100' from Molski Creek.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
19	54131019- CCR	20.3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	71	Harvest	Clearcut with Reserves	6118 - Lowland Deciduous with Cedar	Cmpt. Review Proposal
<u>Prescription</u> Do not cut hemlock or white-cedar, if present. Acceptable regeneration is any combination of aspen, jack pine, red pine, or white pine resulting									
<u>Specs:</u> in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	54131020-CT	6.6	4110 - Sugar Maple Association	High Density Pole	84	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Mark to 70-80 BA. Paint 1-2 chain buffers around vernal ponds and CLUMPS of hemlock, if present. Do not mark hemlock, or the trees adjacent to them.

Specs:
Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 92.2**

Table 4 -- Treatments Prescribed with
a Limiting FactorS
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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	54131004-CT	87.8	4116 - Mixed N. Hardwood - Aspen	High Density Log	84	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Thin to 70-80 BASpecs:OtherComment:NextSteps:Limiting Factor and No 1A: Federal law or policy
Treatment Reason

**Total Treatment
Acreage Proposed: 87.8**

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

Stand	Atlanta Mgt. Unit		5 – Forested Stands			Compartment: 131	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
2	42350 - Upland Hemlock	High Density Pole	3.4	84	81-110		
3	4112 - Maple, Beech, Cherry Association	High Density Pole	36.2	84	81-110		
4	4116 - Mixed N. Hardwood - Aspen	High Density Log	115.1	84	111-140		See management considerations.
5	4193 - Birch, Aspen	High Density Pole	14.5	50	51-80		See management considerations.
6	4130 - Aspen	High Density Sapling	26.5	28	51-80		
7	4134 - Aspen, Spruce/Fir	High Density Sapling	61.6	17	1-50		
8	6130 - Fir, Aspen, Maple	High Density Pole	19.4	66	1-50		
10	4137 - Aspen, Birch	High Density Pole	25.0	50	111-140		See management considerations.
11	6118 - Lowland Deciduous with Cedar	High Density Log	13.8	104	81-110		
13	4119 - Mixed Northern Hardwoods	High Density Pole	17.7	84	81-110		
15	4137 - Aspen, Birch	High Density Log	33.1	Uneven Age	111-140		
16	4130 - Aspen	High Density Pole	12.9	45	51-80		
17	6122 - Black Spruce	High Density Sapling	67.1	82	1-50		Collapsed aspen component and windthrown conifers contributing to excellent horizontal structure.
18	4130 - Aspen	High Density Pole	66.9	26	1-50		
19	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	20.9	71	81-110		typical P/E-type microstands
20	4110 - Sugar Maple Association	High Density Pole	6.8	84	111-140		
22	4119 - Mixed Northern Hardwoods	High Density Log	28.5	90	1-50		Aspen largely collapsed. Much of stand is probably inaccessible do to drainages.
25	6115 - Lowland Ash	High Density Pole	185.2	90	51-80		Wet, with many drainages



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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 131
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	6122 - Black Spruce	High Density Sapling	18.3	81		
29	4130 - Aspen	High Density Sapling	102.3	14		Hummocky. Aspen alternates from impenetrable thicket to sparse, but overall fully stocked.
31	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.0	81		estimated to be a mix of balsam poplar, black spruce, red maple (in south) and balsam fir.
32	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	43.5	84		Based on similar stands in area, this appears to be black spruce and trembling aspen, with wetter inholdings of red maple and black ash.
34	6122 - Black Spruce	High Density Sapling	12.3	81		
36	4139 - Aspen, Mixed Deciduous	High Density Sapling	51.8	15		much lowland. Varies continuously through pure aspen, aspen/swamp hardwood, pure tag alder, and mixed cattails, swamp grass and beaver lodge.
37	6113 - Lowland Maple	High Density Log	75.7	84		flood plain
39	6113 - Lowland Maple	High Density Log	31.2	84		Scattered large river bottom red maple which thick regen beneath.
40	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	27.8	65		Based on similar stands examined, imagery, previous O/I, and current inventory in adjoining compartment. Would expect to find black spruce poles, scattered over-mature aspen, pole and log sized red maple along west edge of stand.
41	6122 - Black Spruce	High Density Pole	43.3	84		
42	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	24.3	81		N. Br. Thunder Bay R. floodplain. Would expect domination by red maple sawlogs and poles. Appears to have fingers of spruce coming in from stand to east.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	320 - Upland Shrub	2.2	N/A	Unspecified	
9	622 - Lowland Shrub	26.6	N/A	Unspecified	
12	3102 - Grass	1.2	N/A	Unspecified	
14	623 - Emergent Wetland	10.3	N/A	Unspecified	
21	623 - Emergent Wetland	3.2	N/A	Unspecified	
23	623 - Emergent Wetland	7.2	N/A	Unspecified	
24	622 - Lowland Shrub	5.4	N/A	Unspecified	tag alder plus some red maple, black ash. May become forested stand as trees grow.
26	623 - Emergent Wetland	16.0	N/A	Unspecified	
28	622 - Lowland Shrub	4.9	N/A	Unspecified	
30	622 - Lowland Shrub	6.8	N/A	Unspecified	
33	622 - Lowland Shrub	2.0	N/A	Unspecified	
35	622 - Lowland Shrub	2.2	N/A	Unspecified	
38	622 - Lowland Shrub	2.3	N/A	Unspecified	



7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
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8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
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