



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 92 ENTRY YEAR: 2013

Compartment Acreage: 1634 County: Alpena

Revision Date: October 27, 2011

Stand Examiner: Jeff Autenrieth

Legal Description: T30N, R08E, Sec. 20, 21, 28, &29.

RMU (if applicable):

Management Goals: Conservation of biological, historic, and pre-historic resources. Regeneration of oak and restoration of old growth white pine stands as well.

Soil and Topography: Rifle peat west of Devil's Lake. Grayling sands make up most of the soil east of Devil's Lake. The Grayling sands area consists of dozens of former Lake Huron shorelines which formed as historical water levels dropped.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Most of the surround area of the compartment is owned by the state. There are some residences and seasonal use private lands to the north and east of the compartment.

Unique, Natural Features (include only non-site specific and non-sensitive information): Reported by MNFI.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Reported by MNFI.

Special Management Designations or Considerations: Most of the western part of the compartment is in a Special Conservation Area designated as old growth. Snowmobile trails and ORV routes are throughout the compartment.

Watershed and Fisheries Considerations: Devil's Lake and small swamp drainages.

Wildlife Habitat Considerations: This compartment is excellent for wildlife and is primarily made up of lands surrounding the central portion of Devil's Lake. The habitat supports white-tailed deer, ruffed grouse, American woodcock, wood ducks, mallards, and a variety of wetland associated species. Most openings have

succeeded to forest types or shrub land, though surrounding compartments and private lands are currently meeting openings requirements by wildlife. The greatest concern for wildlife in this compartment is ORV activity. Forest treatment should have access trails blocked to prevent ORVs from entering the treated stands.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel, as well as dune sand in the northeast corner. There are ancient shorelines in this area. Glacial drift thickness varies between 10 and 50 feet. There is approximately 40 feet of local relief within the compartment. Beneath the glacial Drift are the Devonian Antrim Shale and Traverse Group. These formations are quarried for clay/shale and limestone. A gravel pit is located in the northeast of section 34, just south of the compartment. The potential in the compartment is considered to be good. This area has had limited oil and gas drilling. The Antrim Shale is said to be pinching out in the area. There are no leases for oil or gas in the compartment. The state owns additional mineral rights in sections 21 and 27.

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

Survey Needs: None. Surveying will be required to prove trespass for timber sale preparation.

Recreational Facilities and Opportunities: Hunting, fishing, snowmobiling, and off-road use.

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**

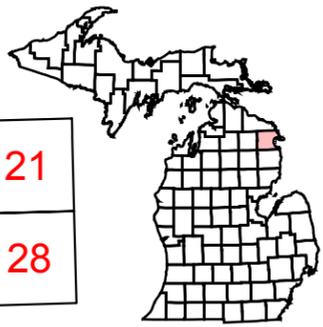
Cover Type & Treatment Map

Compartment 92
 T30N, R08E, Sec. 20-21, 28-29
 County: Alpena
 Unit: Atlanta
 YOE: 2013
 Acres: 1,612 GIS Calculated
 Stand Examiner: Jeff Autenrieth
 Map Revised: 8/11/2011
 Map Phase: Pre-Review

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

Stocking
 Density
 OI
 Code

20	21
29	28



Legend

- Highway
- Paved Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Railroads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Berm
- ORV Routes
- Snowmobile Trails
- ORV Route
- Snowmobile Trail
- State Forest Land
- Treatments
- Shelter Wood (w/Reserves)

Forest Stands

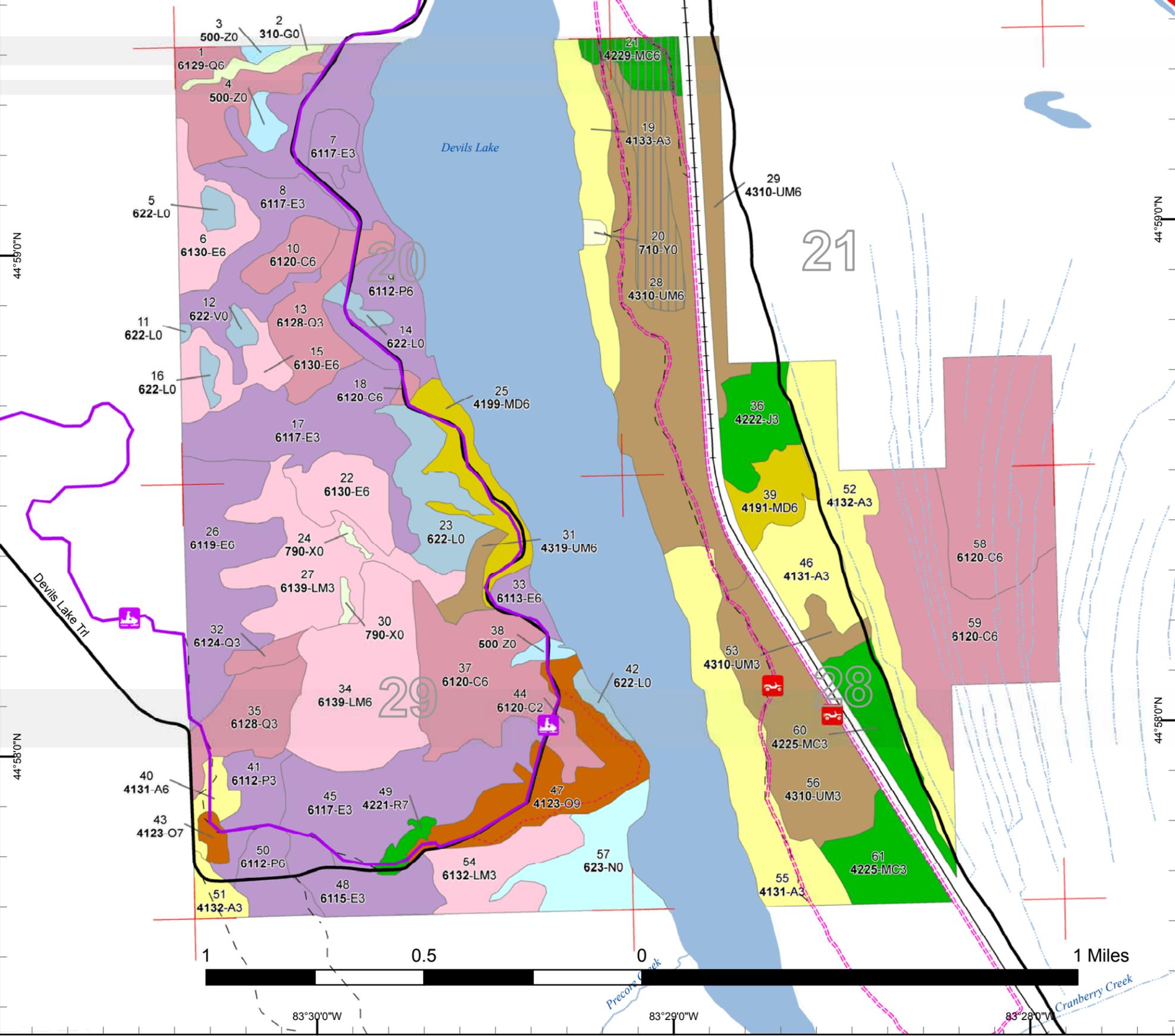
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil
- 790 - Other Bare/Sparsely Vegetated



1 0.5 0 1 Miles

83°30'0"W 83°29'0"W 83°28'0"W

44°59'0"N

44°58'0"N

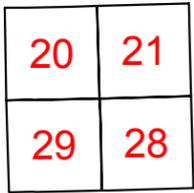
44°59'0"N

44°58'0"N

Stand Boundary Map

Compartment 92
 T30N, R08E, Sec. 20-21, 28-29
 County: Alpena
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 Level 3 OI
 Level 4 Code
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Legend

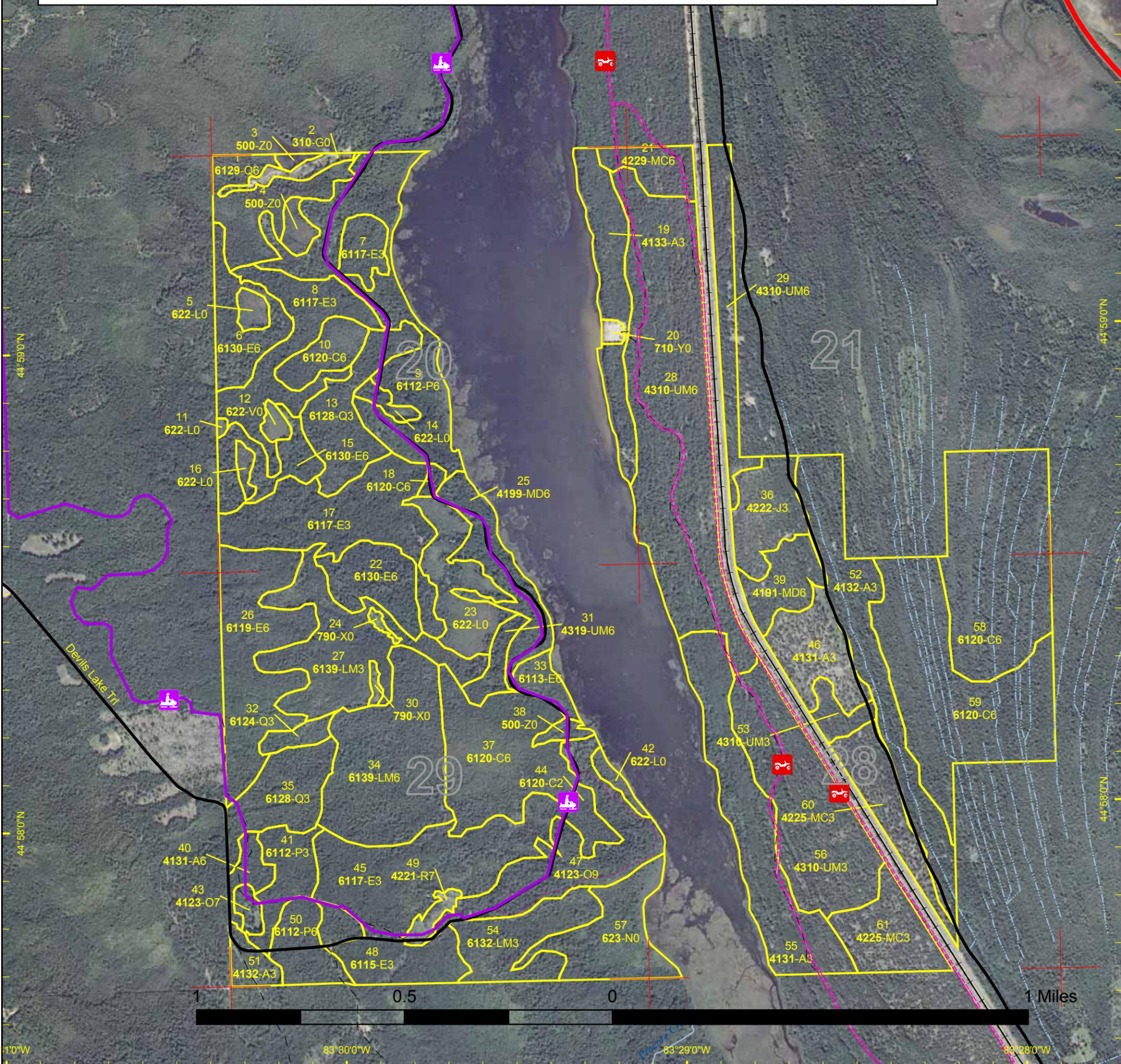
- Miris Corners
- Highway
- Paved Roads
- - Poor Dirt Roads
- - - Trail (Non-Recreation)
- Railroads
- - - Intermittent Stream/Drain
- Stream
- ▲ Berm
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- - - ORV Route
- Snowmobile Trail

Stand Boundaries

- Forest Stands
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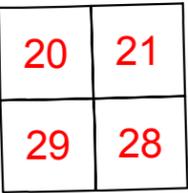
83°30'0"W

83°29'0"W

83°28'0"W

Dedicated & Proposed Special Conservation Area Map

Compartment 92
 T30N, R08E, Sec. 20-21, 28-29
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 Acres: 1,612 GIS Calculated
 Stand Examiner: Jeff Autenrieth
 Map Revised: 8/11/2011
 Map Phase: Pre-Review



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

Stocking Density
 OI
 Code

Legend

- Miris Corners
- Proposed Special Conservation Areas
- SCA - Special Conservation Area
- Ecological Reference Areas
- High Conservation Value Areas
- Coastal Environmental Areas
- Special Conservation Areas
- Cold Water Streams
- Great Lakes Islands
- Stand Boundaries

Forest Stands

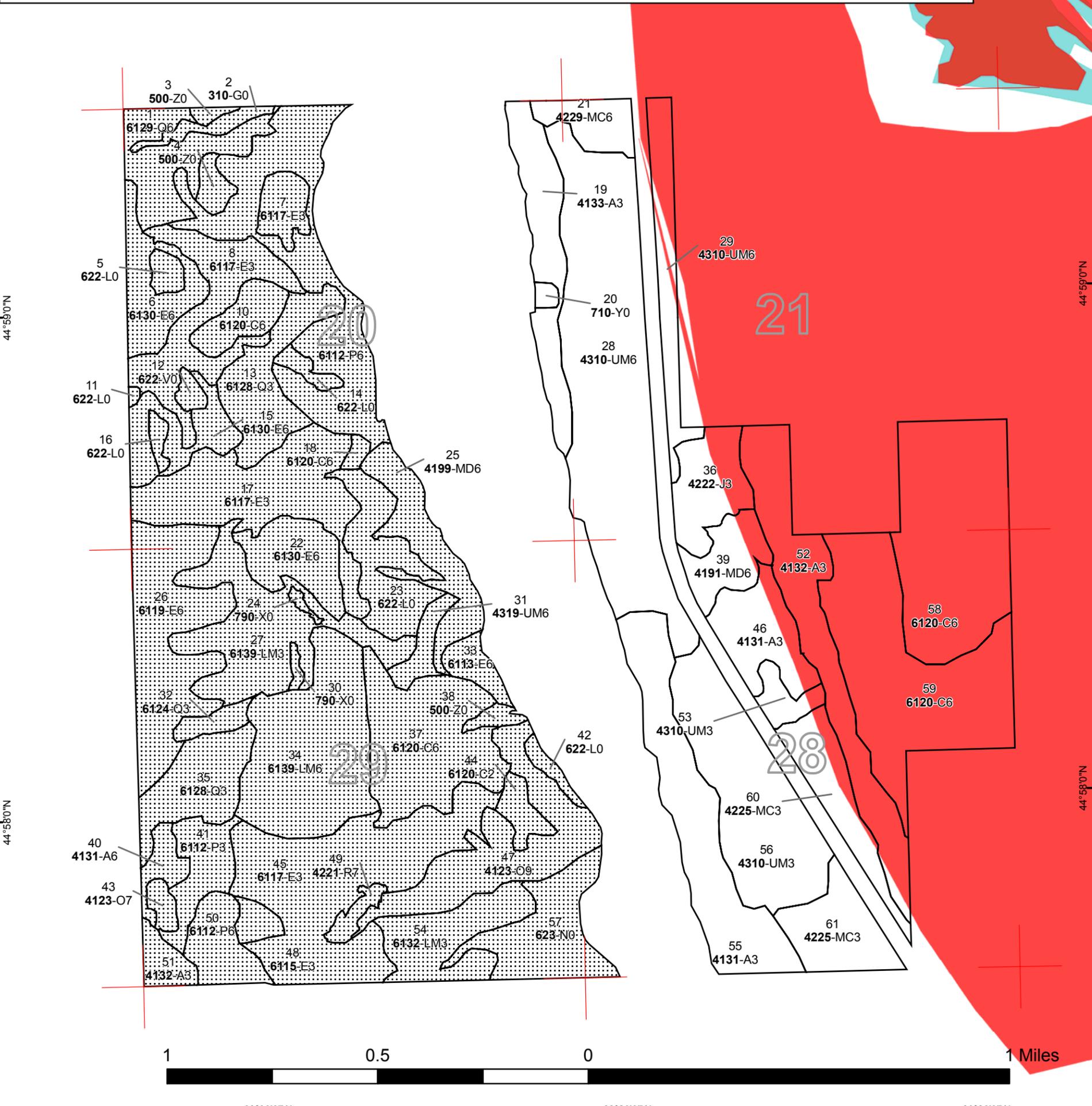
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83°30'0"W

83°29'0"W

83°28'0"W

44°59'0"N

44°58'0"N

44°59'0"N

44°58'0"N

Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 092 Year of Entry 2013

Jeffrey Autenrieth : Examiner



	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	34	56	32	61	7	0	0	0	0	0	0	0	0	190
Bare/Sparsely Vegetated	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	7	0	0	0	0	0	0	68	172	0	0	247
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Jack Pine	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Aspen/Balsam Poplar	0	0	0	0	0	69	33	0	0	0	0	0	0	0	0	102
Lowland Conifers	0	0	0	0	0	0	6	0	0	29	0	55	0	0	0	90
Lowland Deciduous	0	0	0	89	0	0	56	0	103	8	0	0	0	0	0	255
Lowland Mixed Forest	0	0	0	52	0	0	0	0	0	61	67	29	0	0	0	209
Lowland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Marsh	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	45
Natural Mixed Pines	0	0	23	0	25	0	0	0	13	0	0	0	0	0	0	62
Oak	0	0	0	0	0	0	0	0	0	46	4	0	0	0	0	50
Red Pine	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	0	0	0	8	227	0	0	0	0	0	235
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	98	0	81	197	65	129	107	0	124	416	71	152	172	0	0	1612



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 092
Total Compartment Acres: 1612

Acres by Treatment Type

Commercial Harvest - 43	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

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Natural Mixed Pines	0	0	0	13	0	0	13
Upland Mixed Forest	0	0	0	30	0	0	30
Total	0	0	0	43	0	0	43

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
21 54092021-Cut	13.5	42290 - Natural Mixed Pine	High Density Pole	78	Harvest	Shelterwood	4122 - Oak, Pine	Cmpt. Review Proposal - Incomplete

Prescription Cut all jack pine. Thin the oak, white pine, and red pine to 30-40ba.

Specs:

Other Acceptable regen can be mix of pine, oak and aspen.

Comments:

Next Scarify with fire to help with oak regeneration.

Steps:

28 54092028-Cut	30.0	4310 - Pine, Oak Mix	High Density Pole	84	Harvest	Shelterwood	4131 - Aspen, Oak	Cmpt. Review Proposal - Incomplete
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Prescription Cut all oak and pine. Whole tree skid or scarify by other means to be completed by producer.

Specs:

Other Acceptable regen can be of oak, aspen, and pine.

Comments:

Next

Steps:

**Total Treatment
Acreage Proposed: 43.5**

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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
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

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**

S t a n d	Atlanta Mgt. Unit		5 – Forested Stands			Compartment: 092
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013
						General Comments:
1	6129 - Mixed Coniferous Lowland Forest	High Density Pole	28.2	104		Very wet. Stand has a lot of standing water. Pockets of tag alder in extreme wet areas. Red and jack pine growing on high ridges.
6	6130 - Fir, Aspen, Maple	High Density Pole	21.0	81		
7	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	10.1	79		Very wet. Standing water.
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	37.4	72		Flowing and standing water through-out stand.
9	6112 - Lowland Aspen	High Density Pole	68.8	42		Part of old growth area.
10	6120 - Lowland Cedar	High Density Pole	12.9	102		
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	29.4	85		Some pockets of cedar blow down.
15	6130 - Fir, Aspen, Maple	High Density Pole	18.4	86		
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	55.7	75		
18	6120 - Lowland Cedar	High Density Pole	2.1	102		Some blow down in stand.
19	4133 - Aspen, Mixed Pine	High Density Sapling	32.3	38		
21	42290 - Natural Mixed Pine	High Density Pole	13.5	78	81-110	
22	6130 - Fir, Aspen, Maple	High Density Pole	21.9	83		
25	4199 - Other Mixed Upland Deciduous	High Density Pole	27.0	84		Part of old growth area.
26	6119 - Mixed Lowland Deciduous Forest	High Density Pole	55.8	51		Stand has some dry ridges but mostly wet.
27	6139 - Mixed Lowland Forest	High Density Sapling	51.6	26		Some black ash pockets. Very wet. Areas of standing and flowing water. Soil is very mucky. Trees growing only on hummocks in some areas.
28	4310 - Pine, Oak Mix	High Density Pole	127.6	84	81-110	



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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 092
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4310 - Pine, Oak Mix	High Density Pole	24.1	87	111-140	Lots of private along this stand. I
31	4319 - Mixed Upland Forest	High Density Pole	7.6	70	81-110	Part of proposed old growth.
32	6124 - Lowland Spruce- Fir	High Density Sapling	5.6	52		
33	6113 - Lowland Maple	High Density Pole	7.7	84		New stand added. Stand is between Devil's lake and a steep ridge. No Access.
34	6139 - Mixed Lowland Forest	High Density Pole	67.0	92		
35	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	26.5	104		Some blow down in stand. Was part of cedar strip cut trial. Some cedar regen but mostly balsam fir.
36	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	23.9	17		
37	6120 - Lowland Cedar	High Density Pole	53.2	103		Some blow down. Pockets of tag alder in wet areas. Pockets of pole sized timber mixed with mostly sapling stand.
39	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	17.5	86	111-140	New stand added.
40	4131 - Aspen, Oak	High Density Pole	7.3	50	81-110	Low volume and small acreage.
41	6112 - Lowland Aspen	High Density Sapling	16.9	53		
43	4123 - Red Oak	Low Density Log	3.9	95	1-50	Stand swapped from Non-Forested to Forested.
44	6120 - Lowland Cedar	Medium Density	7.1	30		Stand swapped from Non-Forested to Forested. Flowing water.
45	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	83.6	25		Standing and flowing water through stand. Saturated muck soils.
46	4131 - Aspen, Oak	High Density Sapling	26.0	12		
47	4123 - Red Oak	High Density Log	46.0	85	81-110	
48	6115 - Lowland Ash	High Density Sapling	5.2	21		Stand under water.
49	42210 - Natural Red Pine	Low Density Log	4.6	53	51-80	Recent harvest.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 092
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6112 - Lowland Aspen	High Density Pole	16.5	51	81-110	Stand has saturated muck soils. Could be harvested in a cold winter.
51	4132 - Aspen, Jack Pine	High Density Sapling	7.7	17		
52	4132 - Aspen, Jack Pine	High Density Sapling	56.4	27		
53	4310 - Pine, Oak Mix	High Density Sapling	7.7	85		Recent harvests on all sides of stand.
54	6132 - Mixed Lowland Forest with Cedar	High Density Sapling	29.1	101		Very wet.
55	4131 - Aspen, Oak	High Density Sapling	60.6	42		
56	4310 - Pine, Oak Mix	High Density Sapling	67.7	84		
58	6120 - Lowland Cedar	High Density Pole	83.4	115		Mostly cedar. Some wetter areas with ridges.
59	6120 - Lowland Cedar	High Density Pole	88.6	115		Mostly lowland shrub/tag alder. Some areas of cedar pockets.
60	42250 - Pine, Oak	High Density Sapling	23.5	15		Recent shelterwood. Good advanced jack pine regen.
61	42250 - Pine, Oak	High Density Sapling	25.4	32		Old cowbird traps?



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	3102 - Grass	5.5	No	Unspecified	
3	50 - Water	1.7	No	Unspecified	
4	50 - Water	5.0	No	Unspecified	New stand added.
5	6220 - Alder/willow	4.1	No	Unspecified	
11	6220 - Alder/willow	0.6	No	Unspecified	
12	6225 - Bog	3.0	No	Unspecified	
14	6220 - Alder/willow	3.9	No	Unspecified	
16	6229 - Mixed lowland shrub	2.7	No	Unspecified	
20	710 - Sand, Soil	1.9	No	Unspecified	
23	6220 - Alder/willow	28.5	No	Unspecified	Stand swapped from Forested to Non-Forested.
24	790 - Other Bare/Sparsely Vegetate	1.2	No	Unspecified	
30	790 - Other Bare/Sparsely Vegetate	1.5	No	Unspecified	
38	50 - Water	3.2	No	Unspecified	
42	6220 - Alder/willow	3.5	No	Unspecified	
57	6239 - Mixed Emergent Wetland	32.0	No	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
9	Unique Site - SCA	54092009	68.8	SCA – Management of mixed lowland conifer forest, and associated uplands, for the purpose of natural succession, and to preserve any unique features of the Devils Lake area.



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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.