



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 115

Entry Year 2015

Acreage: 311

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 10/31/2013

Stand Examiner: Chad Fate

Legal Description:

Sections 36, T32N-R8E and Section 32, T32N-R9E

Identified Planning Goals:

Swamp conifers and deer wintering area.

Soil and topography:

Generally flat. East of Grass Lake is Granby sand. Section 36 and parts of 32 are Summerville stony loam. The wetter parts of Section 32 are Rifle peat.

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

Access is limited, surrounded by private hunting lands. The City of Alpena is a few miles to the south.

Unique Natural Features:

None reported. Potential for swamp conifer species, and those associated with lakeshore. Potential for red shouldered hawk.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Public access to Grass lake

Wildlife Habitat Considerations:

This is a small compartment consisting of state land interspersed with private. The cedar provide cover for snowshoe hare and ruffed grouse as featured species. Deer utilize the compartment but are not as abundant as in other areas of the MA. Management opportunities are limited due to the limestone and bedrock present. Past treatments have resulted in stunted cedar mixed with spruce and tamarack.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for clay/shale and limestone/cement products two miles to the south. Gravel pits are located in the area and there may be some potential on upland areas. This area has had no drilling for oil and gas. The Antrim Shale is not present and there are no State oil and gas leases in the area.

Vehicle Access:

The western and central parts of the compartment are both surrounded by private land with little to no road access. The eastern part of the compartment along Grass Lake has county road access.

Survey Needs:

Recreational Facilities and Opportunities:

Grass Lake access

Fire Protection:

Low fire potential with wet/lowland stands, however dry summers could expose organic material and soils that may carry a ground fire.

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**

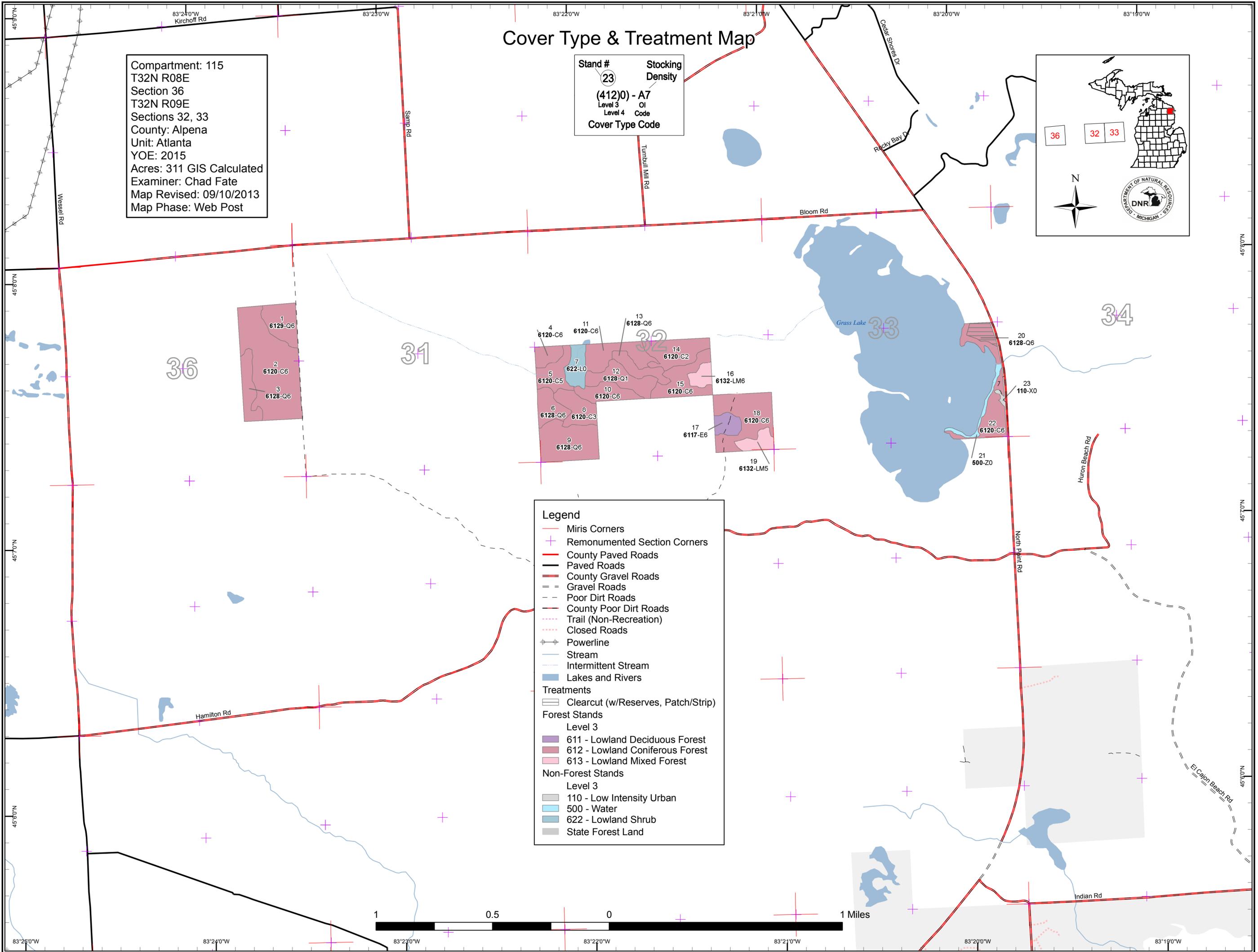
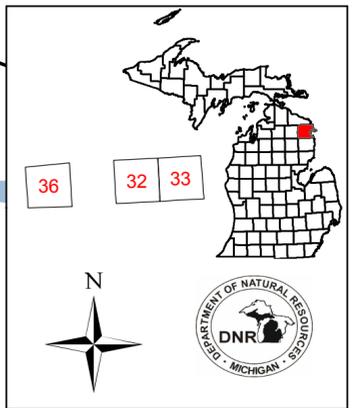
The following information is displayed, where pertinent, on the attached compartment maps:

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

Cover Type & Treatment Map

Compartment: 115
 T32N R08E
 Section 36
 T32N R09E
 Sections 32, 33
 County: Alpena
 Unit: Atlanta
 YOY: 2015
 Acres: 311 GIS Calculated
 Examiner: Chad Fate
 Map Revised: 09/10/2013
 Map Phase: Web Post

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

- Miris Corners
- Re monumented Section Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Powerline
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

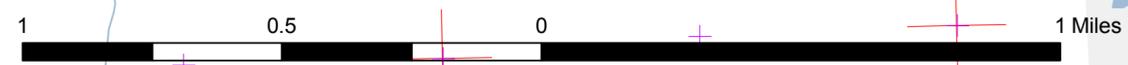
Level 3

- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 110 - Low Intensity Urban
- 500 - Water
- 622 - Lowland Shrub
- State Forest Land

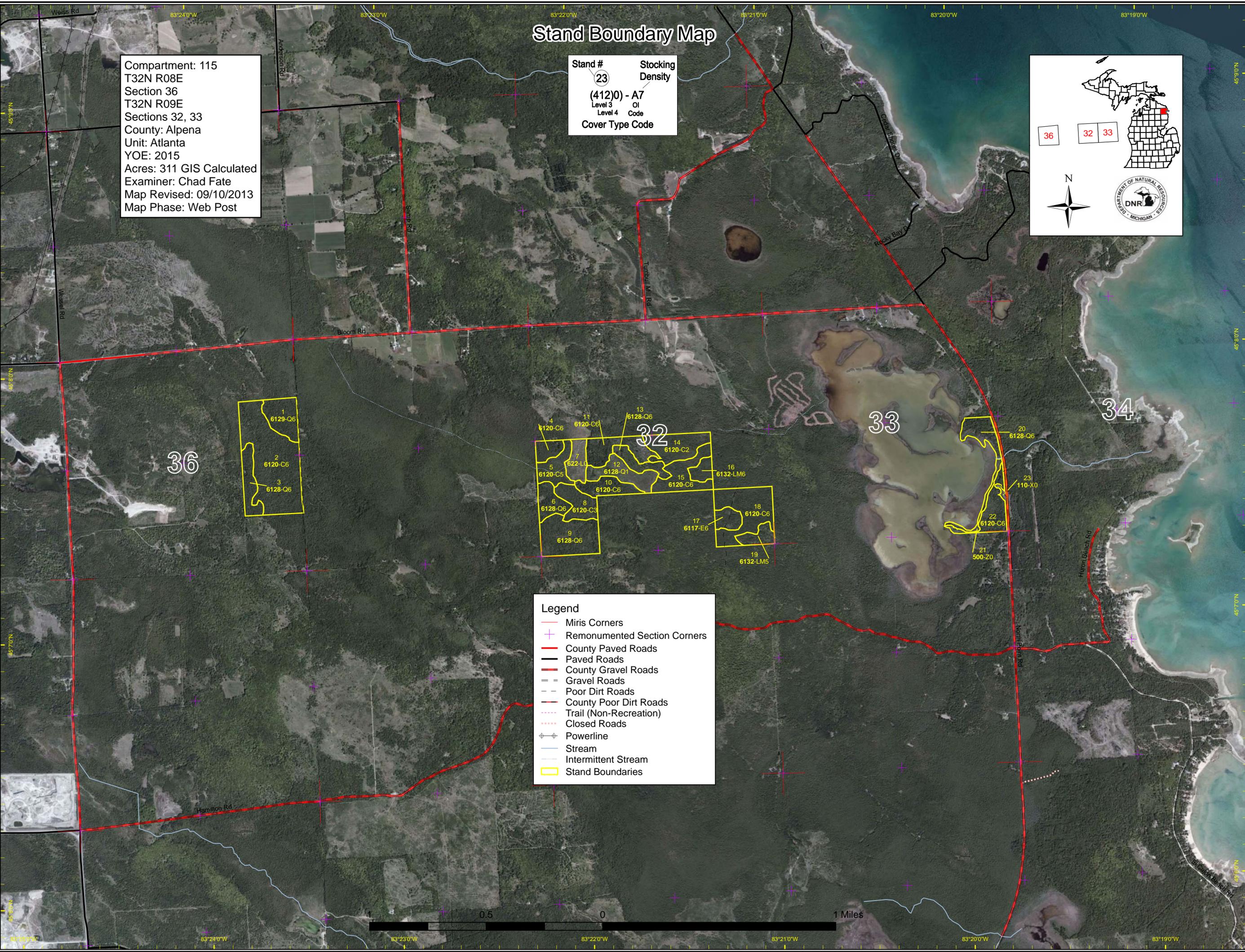


83°25'0"W 83°24'0"W 83°23'0"W 83°22'0"W 83°21'0"W 83°20'0"W 83°19'0"W
 45°7'0"N 45°6'0"N 45°5'0"N 45°4'0"N 45°3'0"N 45°2'0"N 45°1'0"N

Stand Boundary Map

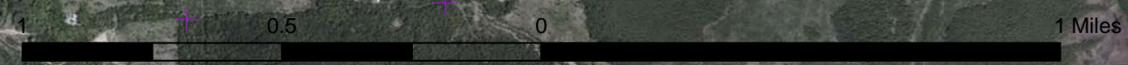
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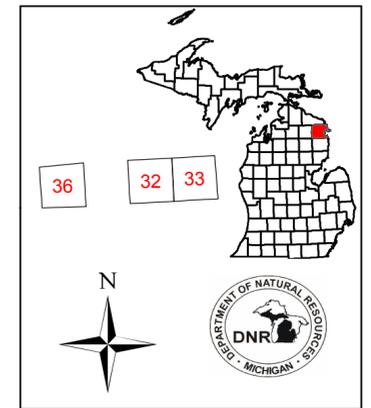
- + Miris Corners
- + Remonumented Section Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- - - Trail (Non-Recreation)
- - - Closed Roads
- Powerline
- Stream
- - - Intermittent Stream
- Stand Boundaries



Special Conservation Areas & Site Conditions Map

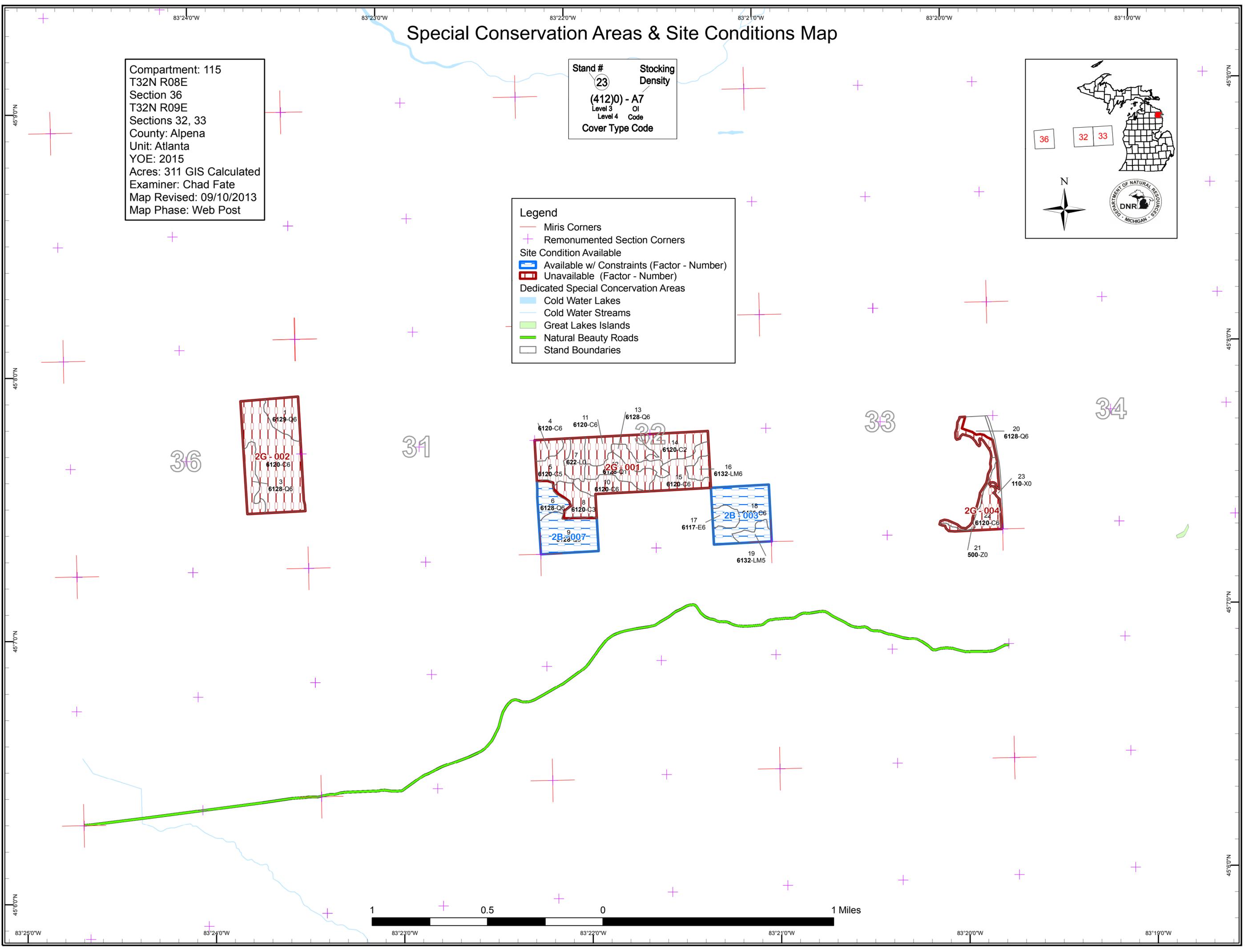
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 (4120) - A7
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Legend

- Miris Corners
- Remonumented Section Corners
- Site Condition Available
 - Available w/ Constraints (Factor - Number)
 - Unavailable (Factor - Number)
- Dedicated Special Conservation Areas
 - Cold Water Lakes
 - Cold Water Streams
 - Great Lakes Islands
 - Natural Beauty Roads
 - Stand Boundaries



83°25'0"W 83°24'0"W 83°23'0"W 83°22'0"W 83°21'0"W 83°20'0"W 83°19'0"W
 45°50'N 45°40'N 45°30'N 45°20'N 45°10'N

Report 1 – Total Acres by Cover Type and Age Class



	Age Class														Total
	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 +	Uneven Age	
Cedar	0	0	0	0	17	0	0	0	11	112	46	0	0	0	185
Lowland Conifers	0	0	0	0	0	20	39	0	24	0	8	0	0	0	92
Lowland Deciduous	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Lowland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	16	0	0	0	17	20	57	0	35	112	54	0	0	0	311



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2015

Compartment 115
Total Compartment Acres: 311

Acres by Treatment Type

Commercial Harvest - 5	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 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>
Lowland Coniferous Forest	5	0	0	0	0	0	5
Total	5	0	0	0	0	0	5

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	54115020-Cut	5.3	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	85		Harvest	Clearcut	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal

Prescription Clearcut, leave buffer of dense cedar along the lake where soils are more wet. No additional retention is needed due to size and acres left along the lake. Cut with frozen ground conditions or dry summer months.

Other

Comments:

Next Steps: Acceptable regeneration is a medium to high stocking mix of aspen, balsam fir, and cedar

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 5.3**

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type!

#Type!

PrescriptionSpecs:OtherComment:NextSteps:ProposedStart Date: #Type!Limiting Factor

Total Treatment Acreage Proposed:	0.0
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Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment 115
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	2G	2B
	Available	Not Available				
185	28	157	Cedar		157	28
92	40	52	Lowland Conifers	5	52	35
6	6		Lowland Deciduous			6
12	6	5	Lowland Mixed Forest		5	6
294	80	214	Total Forested Acres	5	214	75
	27%	73%	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
001	Not Available	2G: Too wet (sensitive soils, does not include access issues)	125	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2B: Unknown if access through adjacent landowner(s) is possible		
Comments:							
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	79	2B: Unknown if access through adjacent landowner(s) is possible			
Comments:							
003	Available	2B: Unknown if access through adjacent landowner(s) is possible	40	No Limiting Factor			
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment 115
Year of Entry 2015

004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	22
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Comments:

007	Available	2B: Unknown if access through adjacent landowner(s) is possible	35
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Comments:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 7 – 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
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 115
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6129 - Mixed Coniferous Lowland Forest	High Density Pole	13.9	65		very wet
6120 - Lowland Cedar	High Density Pole	54.8	92		
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	10.6	55		
6120 - Lowland Cedar	High Density Pole	5.9	40		high density cedar. very short avg 20ft tall.
6120 - Lowland Cedar	Medium Density Pole	10.9	40		very wet, stagnant cedar, low quality slow growing. eab present some dead ash.
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.5	57		
6120 - Lowland Cedar	High Density Sapling	12.2	99		avg ht 10-20ft. very wet.
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	25.5	60		
6120 - Lowland Cedar	High Density Pole	10.6	83		
6120 - Lowland Cedar	High Density Pole	15.5	101		
6128 - Lowland Coniferous, Mixed Deciduous	Low Density Sapling	14.4	87		very wet, some standing snags, some tag alder present. lots of dead b.ash
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	8.0	105		
6120 - Lowland Cedar	Medium Density	17.4	97		stagnant, many dead trees.
6120 - Lowland Cedar	High Density Pole	16.4	103		sapplings are part of the canopy
6132 - Mixed Lowland Forest with Cedar	High Density Pole	5.1	67		
6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.2	65		
6120 - Lowland Cedar	High Density Pole	27.3	97		

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 115
Year of Entry: 2015



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	6.4	62		Very low site index, poor quality trees.
20	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	10.1	85		
22	6120 - Lowland Cedar	High Density Pole	13.7	101		cedar and spruce saplings fill the canopy in the small openings. there are a few scotch pine scattered along the rd and opening. eab present.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	6229 - Mixed lowland shrub	8.7	Unspecified	Unspecified	tag alder with scattered cedar and tamarack.
21	50 - Water	3.7	Unspecified	Unspecified	grassy marsh when water is low.
23	11 - Low Intensity Urban	3.8	Unspecified	Unspecified	rd and small opening w/ access to the lake. some juniper in the opening and along the rd