



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #154 ENTRY YEAR: 2010

Compartment Acreage: 1524 (GIS)

County: Presque Isle

Revision Date: April 22, 2008

Stand Examiner: Robert Theiner

Legal Description: T-36-N, R-2-E, Sections 13, 14 and 15

Management Goals: The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan. Swamp Conifer and Lowland aspen are the largest timber components in this compartment with several stands of pine.

Soil and Topography: Grayling-Graycalm-Montcalm Association with some Lupton-Tawas. Mostly level with some rolling hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State Lands are mostly contiguous in the west portion of the compartment. Private holdings, mostly hunting camps, are scattered through out the compartment. Residential areas lie to the east and access is along Balch Rd. Historic Bearinger Township Hall is located

Unique, Natural Features: Several reported.

Archeological, Historical, and Cultural Features: Potential exists in several locations

Special Management Designations or Considerations: SCA Wooded Dune Swale in the east.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations and Objectives:

Mineral Resource and Development Concerns and/or Restrictions: Sections 13 - 15, T36N-R2E, Presque Isle Co. Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 10 and 400 feet. Beneath the glacial drift is the Devonian Detroit River Group. The Detroit River could be used for stone. A gravel pit is located in Section 25 and there should be potential. This

area has had no drilling for oil and gas. Oil and gas producing Silurian Niagaran Reefs are located to the south. Some of the State lands are leased for oil and gas development.

Vehicle Access: County Road 646, Ocqueoc Lake Road and Balch Rd. access the bulk of the compartment;

Survey Needs: None needed.

Recreational Facilities and Opportunities:

Fire Protection:

- **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**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: 154

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	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	150-159	All Aged	Total
Aspen				8															8
Cedar										13	21	73	23						130
Jack Pine			10	155			5												170
Lowlnd Brush	250				4														254
Lowlnd Poplr			233	107		40		45	31	9									465
Marsh	5																		5
Mx Swmp Cnfr							25	103	27	148	46			20	43				412
Non Stocked	6																		6
Paper Birch										14									14
Red Pine				15					6			8			10				39
Spruce Fir						7													7
Upland Brush						2													2
White Pine			8			4													12
Total	261		251	285	4	53	30	148	64	184	67	81	23	20	53				1524

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: 154

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	8																										8
C Cedar				130																							130
J Jack Pine							170																				170
L LowInd Brush									254																		254
P LowInd Poplr										465																	465
N Marsh											5																5
Q Mx Swmp Cnfr												412															412
X Non Stocked													6														6
B Paper Birch															14												14
R Red Pine																39											39
F Spruce Fir																			7								7
U Upland Brush																								2			2
W White Pine																										12	12
Total	8			130			170		254	465	5	412	6		14	39			7					2		12	1524

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: **154**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3503 Cds	Hardwood	785 Cds
Hardwood	195 Mbf	Hardwood	151 Mbf
Softwood	7391 Cds	Softwood	701 Cds
Softwood	316 Mbf	Softwood	10 Mbf
Sum TotVol	11916 Cds	Sum CutVol	1808 Cds
Total Cmpnt Acres		Acres Proposed For Cut.....	
1524		94	

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 154 Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
20	P6	9	78	60	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	2		
comnts Fmd : Access through stands 70 and 22 HAGENSVILLE FINE SANDY LOAM. Do not cut red rine and white pine. Any mix of swamp or upland aspen or conifer is acceptable regeneration. A narrow strip along the south edge of the stand is to be left for retention. This should provide a good source of horizontal structure in the future.										
24	P6	26	73	50	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	1		
comnts Fmd : More of a Q further north. Aspen in decline in areas. Pockets of F/Q. Any mix of swamp or upland aspen or conifer is acceptable regeneration. Retention should be left along the north edge of stand, unless a better location is determind while setting up the timber sale, providing shade for stand along its edge.										
26	B6	14	84	52	paper birch	mature	final harvest	1		
comnts Fmd : CHEBOYGAN LOAMY SAND. Any mix of swamp or upland aspen or conifer is acceptable regeneration. Retention should be left along the north edge of stand, unless a better location is determind while setting up the timber sale, providing shade for stand along its edge.										
51	P6	45	63	60	balsam poplar & swamp aspen and swamp white birch	immature	final harvest	3		
comnts Fmd : SOME AREAS WET. Winter log only. Mix of P/Q with balsam fir, w.birch and r. maple. Some ash and cedar. Any mix of swamp or upland aspen or conifer is acceptable regeneration. Retention should be left where logging operations would cause damage to soils.										
Total Acres.....		94								

**Proposed Treatments
With Limiting Factors**

Compartment 154:

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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

TREATMENT LIMITING FACTORS:

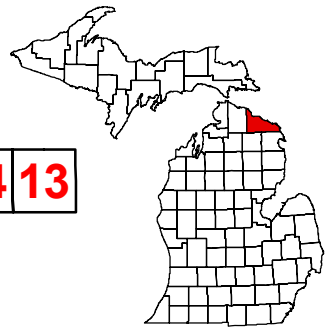
Total Acres..... 0

Compartment 154
 T36N, R02E, Sec. 13, 14, 15
 County: Presque Isle
 Unit: Atlanta
 YOE: 2010
 Acres: 1,524 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 7/07/2008
 Map Phase: Pre-review



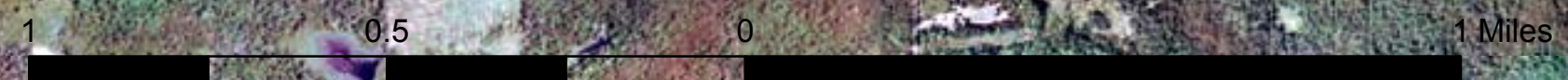
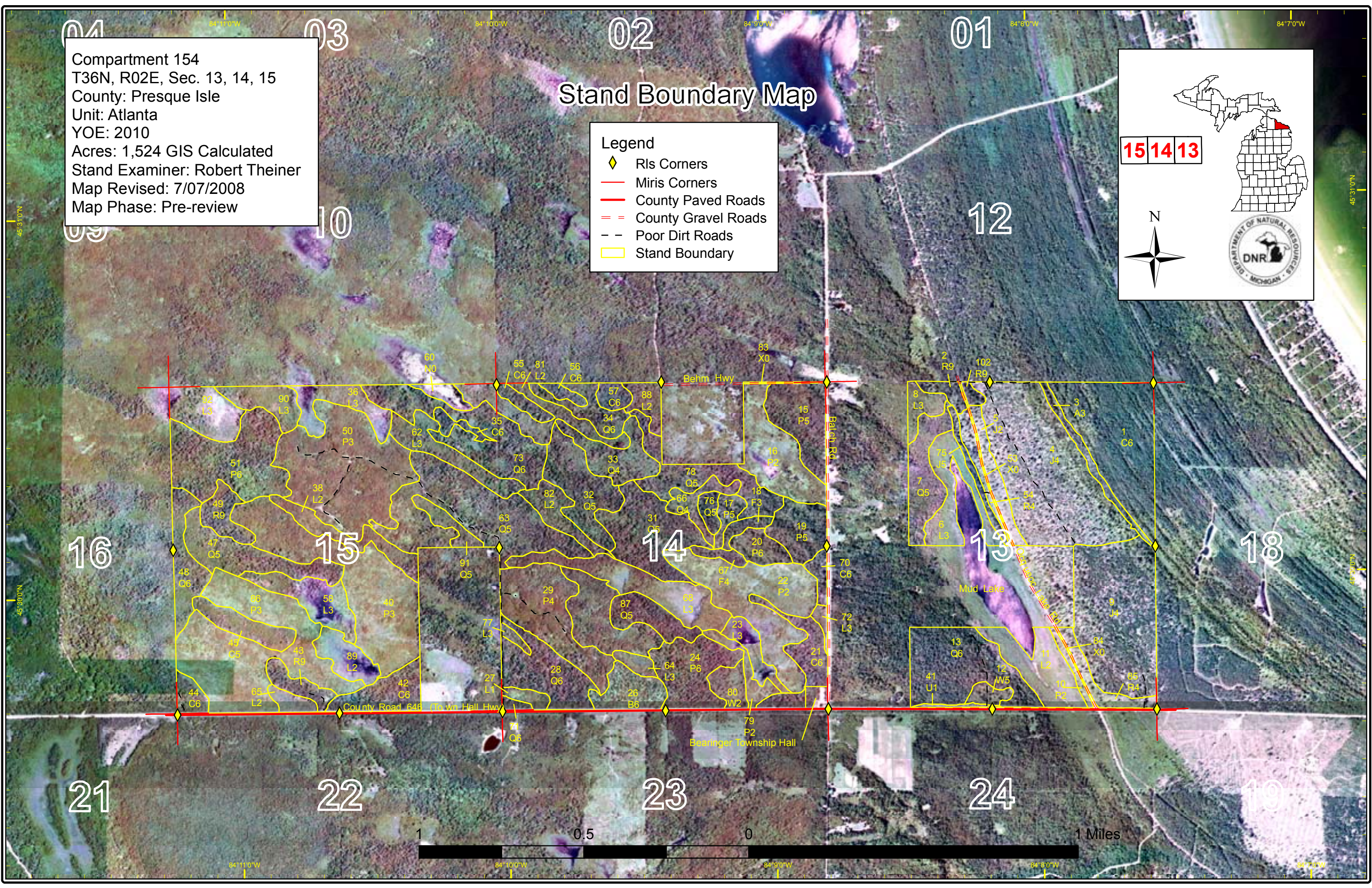
Stand Boundary Map

Legend

-  RIs Corners
-  Miris Corners
-  County Paved Roads
-  County Gravel Roads
-  Poor Dirt Roads
-  Stand Boundary



151413



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.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.