



**ATLANTA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 011    ENTRY YEAR: 2007**

**Compartment Acreage: 1,357      County: Montmorency**

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**Revision Date:** October 19, 2005

**Stand Examiner:** Cody Stevens

**Legal Description:** T29N –R2E, Sections 29-32.

**RMU (if applicable):**

**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.

**Soil and Topography:** The compartment is predominately located on Sandy soils including Graycalm and Grayling types. The compartments topography is mainly a flat outwash plain.

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

The compartment has several areas of heavily developed residential areas adjacent to state land. Land use in the area comes from the private residential area, and a lot of Antrim gas wells in the area.

**Unique, Natural Features:**

Some species present in Area.

**Archeological, Historical, and Cultural Features.** None known.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

**Fisheries Concerns is General:**

**Wildlife Habitat Considerations:**

This compartment is located approximately 3 miles southeast of the village of Lewiston in the southwest corner of Montmorency County. The landscape is primarily flat topography of naturally occurring oak, jack pine and aspen with mixed stands of plantation red pine.

The compartment is located in Ecoregion VII.2.2 as a broad flat outwash plain with excessively drained sand soils. Fire history in this area is one of frequent and large stand-replacing events. Kotar's habitat typing system list this compartment in the Pine LMU dominated by PARVHa & PARVVb complex with some AFO-AFOCa in the far east portion of the compartment. Jack pine dominates this compartment in the GLO database. Today four habitat types dominate this compartment, jack pine 39%, oak 26%, aspen 19% and red pine 14%.

Existing habitat types in this compartment provide a high potential for eastern hognose snake, bobcat, masked shrew, long-tailed weasel, redbelly snake, northern short-tailed shrew, deer mouse and American toad to name only a few. A habitat potential model for deer indicate that this compartment has the potential for white pine, red pine, oak and jack pine with a fall and winter food potential of 0.68, thermal cover potential of 0.0 and a spring/summer habitat potential of 0.37. Planned habitat treatments for this compartment, over the next ten years, will have little effect on the above listed species. However, these timber treatments and conversions are expected to impact Nashville warblers, bobcats, morning warblers and red-tailed hawks in a negative manner and black-capped chickadees, blue jays, golden-crowned kinglets, ruffed grouse and pine warblers in a positive manner.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of an end moraine of medium-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. The nearest gravel pit is located to the north and gravel potential should be good on the uplands. This area has been drilled and is producing gas from the Antrim Shale.

**Vehicle Access:**

The compartment is easily accessed off of Town Line Road, Ann Arbor Road, Big Wolf Lake Road, and Granholm Road and has many two tracks that provide access to the entire area.

**Survey Needs:**

East side line of SWNE of Section 30 could have some trespass issues. There is a Corner at the north end but none present at the south end to tie in with.

**Recreational Facilities and Opportunities:**

There are many opportunities for hunting, wildlife viewing and mushrooming in the area. The motorcycle trail runs through the compartment.

**Fire Protection:**

This compartment is located in the protection area of the Atlanta DNR and the Albert Township Fire Department located in Lewiston. This fire department would most likely be first on scene of any fire in the area due to their close proximity. Most of the compartment is easily accessible by county and 2-track roads. The Atlanta DNR has a mutual aid agreement with Albert Township Fire Department and also supplies them with a GSA 6x6 fire unit. In the right conditions the potential for a large fire is possible due to the compartment comprising 39% Jack Pine and 14% Red Pine.

## **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**



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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 11

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	258																										258
G Grass					15																						15
J Jack Pine							493									35											528
X Non Stocked													18														18
O Oak														317		34											351
R Red Pine																186											186
U Upland Brush																								1			1
Total	258				15		493						18	317		255								1			1357

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 11

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3186 Cds	Hardwood	1634 Cds
Hardwood	63 Mbf	Hardwood	12 Mbf
Softwood	5168 Cds	Softwood	2466 Cds
Softwood	391 Mbf	Softwood	56 Mbf
Sum TotVol	9262 Cds	Sum CutVol	4236 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	248
1357			

**ATLANTA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 11**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
7	R6	11	45	51	red pine	immature	thinning	1			
comnts Fmd : third row thin.											
9	R6	15	50	58	red pine	immature	thinning	1			
comnts Fmd : Stand was third row thinned in 98.											
11	J6	32	75	52	red pine	mature	final harvest	1	planting		
comnts Fmd : Mix of Oak and Jack Pine. Leave 1-2 oak per acre. Require chipping for planting operations. Plant red pine.											
25	R6	16	45	53	red pine	immature	thinning	1			
30	J4	3	45	52	red pine	immature	final harvest	1	planting		
comnts Fmd : J4 along road, plant to red pine.											
31	R6	11	45	53	red pine	immature	thinning	1			
32	J6	42	62	50	jack pine	mature	final harvest	1			
comnts Fmd : Jack Pine and Oak mix. Leave 1-2 oak per acre. 2 small pockets of A3, keep equipment out of these during harvest.											
33	O6	5	62	50	oak	mature	final harvest	1			
comnts Fmd : small strip cuts. Leave some oak in strips.											
34	O6	17	62	50	oak	mature	final harvest	1			
comnts Fmd : small strip cuts. Leave some oak in strips.											
35	O6	15	62	50	oak	mature	final harvest	1			
comnts Fmd : small strip cuts. Leave some oak in strips.											
39	R6	10	45	52	red pine	immature	thinning	1			
41	R6	9	45	52	red pine	immature	thinning	1			
53	O6	34	85	50	red pine	mature	final harvest	1	planting		
comnts Fmd : Leave 1-2 oak per acre. Some blowdown along edges.											
54	J6	20	85	50	jack pine	mature	final harvest	1	planting		
comnts Fmd : Leave 1-2 oak per acre. Some blowdown along edges.											
57	J6	8	85	50	jack pine	mature	final harvest	1	planting		
comnts Fmd : Leave 1-2 oak per acre. Some blowdown along edges. Build skid trail through stand 58 for access.											
<b>Total Acres.....</b>		<b>248</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 11**

**Entry Year: 2007**

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<b>Stand</b>	<b>Cover Type</b>	<b>Acres</b>	<b>Age</b>	<b>Site Index</b>	<b>Mgt Obj</b>	<b>Condition</b>	<b>Method Cut</b>	<b>Harvest Priority</b>	<b>Cultural Need</b>	<b>FD Status</b>
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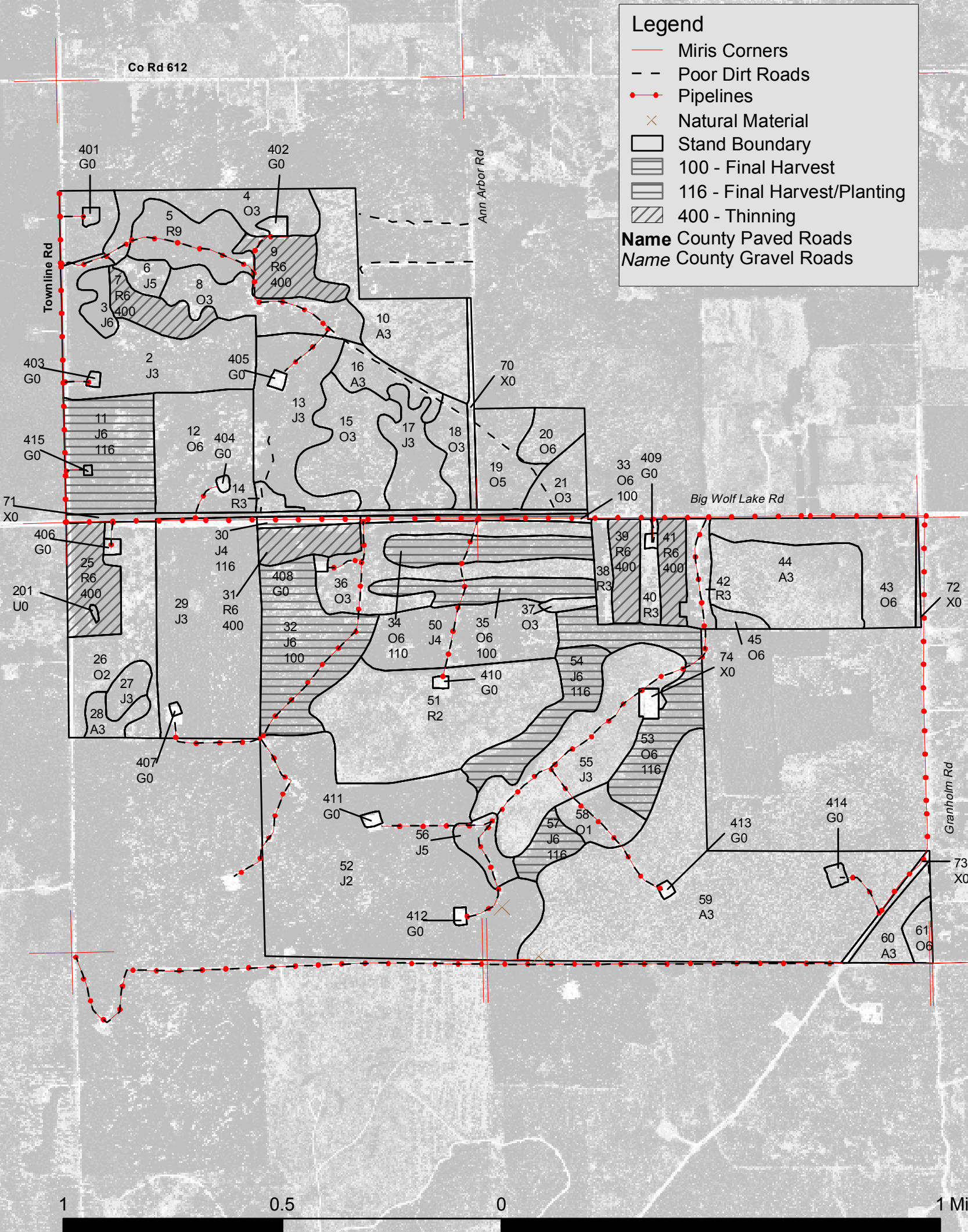
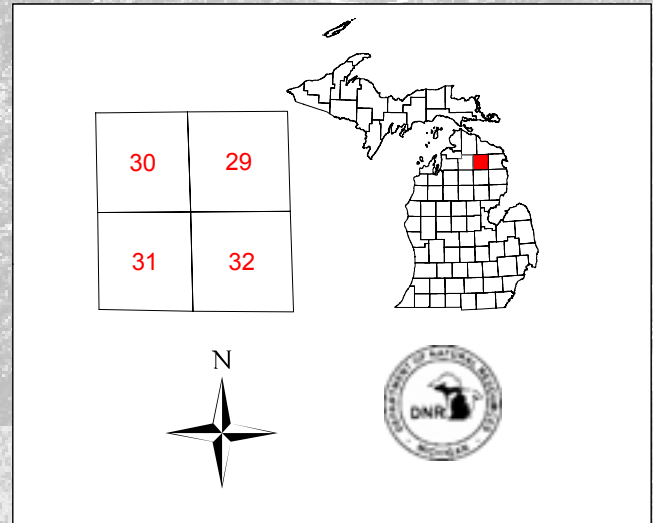
TREATMENT LIMITING FACTORS:

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Total Acres..... 0

# Field Map

Compartment 11  
 T29N, R2E, Sec. 29-32  
 County: Montmorency  
 Unit: Atlanta  
 YOY: 2007  
 Acres: 1,357 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/29//2005  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- - Poor Dirt Roads
- Pipelines
- × Natural Material
- Stand Boundary
- ▨ 100 - Final Harvest
- ▩ 116 - Final Harvest/Planting
- ▧ 400 - Thinning

**Name** County Paved Roads  
**Name** County Gravel Roads