



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 162 ENTRY YEAR: 2007

Compartment Acreage:1631

County: Presque Isle

Revision Date: August 18, 2005

Stand Examiner: Tim Paulus

Legal Description: T36N, R3E, Sec. 22, 27, 34, & 35.

RMU (if applicable):

Management Goals: Timber and wildlife production along with maintaining current recreational opportunities.

Soil and Topography: Mostly flat to rolling topography with some steep banks along the Ocqueoc River and the Silver Creek. Soils are mostly gravelly sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment:
Mostly state owned with a few agricultural and recreational ownerships.

Unique, Natural Features (include only non-site specific and non-sensitive information):
None reported.

Archeological, Historical, and Cultural Features.
None known.

Special Management Designations or Considerations:
Some potential old growth along the water corridors.

Watershed and Fisheries Considerations: Stand 127 is scheduled for a selective cut which appears to be in the riparian zone of Silver Creek and its tributaries. These are coldwater streams in a low gradient area, and are susceptible to beaver activity which is discouraged by Fisheries Division. Fisheries Division asks for a maintained buffer strip along the creeks of 100 feet (can selective cut within) and to discourage beaver activity through logging practices.

Wildlife Habitat Objectives and Considerations: This compartment is located at the base of Hammond Bay, Lake Huron. It is part of an 8 sq. mi. landscape that is dominated by State Forest Lands. The landscape topography is somewhat level with intermittent beach dunes.

The compartment is located in Ecoregion VII.6.3, lake plain dunes with excessively drained sandy soils. Kotar's cover typing system classifies the compartment as a pine barren management unit with 90% or more typed as PARVHa. A small 170 acres stand of PVCd exists in the far north end of the compartment. A wildlife habitat model indicates this landscape's potential would eventually move from the early stage of aspen/jack pine to oak and white pine. Fall/winter food potential for deer in this area is 0.9, thermal cover is 0.0 and spring/summer habitat potential is 0.9. Fire history categorizes this area as one, which experienced large catastrophic stand replacing fires. GLO data suggest this area was forested with red and jack pine stands. There are no 'G' types in this compartment, however, there are two large opening complexes to the south that are located on private lands. Today red pine (48%), oak (36%) and aspen (7%) dominate this compartment's habitat types. The jack pine is found in the central portion of the compartment and aspen exist in the form of one regeneration stand in the north and a couple of A6 stands in the south that cannot be reached for harvesting. The compartments on the east and west sides of this compartment contain better aspen stands.

Today's habitat provides a high potential (1,000+ acres) for sharp-shinned hawk, northern goshawk, bald eagle, eastern newt, northern flicker, brown snakes, great-horned owl, bear, coyote, redbelly snake, bobcat, American toad and long-tailed weasels to name only a few species. The planned forest treatments of thinning and shelter-wood sales will have little negative impacts on the species listed above. The DNR Red Pine project suggests that stand three could be converted from red pine to jack pine. Making that conversion would improve the habitat potential for snowshoe hare and common nighthawks considerably. Wildlife recommends that this conversion be done either this review period or the next.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 10 and 100 feet. Beneath the glacial drift are the Devonian Dundee and Detroit River Groups. The Dundee is quarried for limestone near Rogers City. A gravel pit is located in Section 35 and potential appears to be good. This area is located ten miles north of the Niagaran reef trend and oil and gas appears to be limited. The Antrim Shale is not present and there are no leases in the Compartment.

Vehicle Access: Numerous county and state forest roads provide ample access to the compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: Silver Creek Snowmobile Trail.

Fire Protection: This compartment is located in the protection area of the Onaway DNR and the Ocqueoc-Bearing Fire Department located near Huron Beach. The Ocqueoc-Bearing Fire Department would most likely be last on scene of any fire in the area due to their proximity. The Onaway DNR has a mutual aid agreement with Ocqueoc-Bearing Fire Department, who has two GSA fire units. Access is fair due to sandy soils and steep hills.

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**

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

PRESQUE ISLE COUNTY

COMPARTMENT: 162

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7954 Cds	Hardwood	498 Cds
Hardwood	657 Mbf	Softwood	581 Cds
Softwood	9357 Cds	Softwood	343 Mbf
Softwood	4130 Mbf	Sum CutVol	1765 Cds
Sum TotVol	26885 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	369
1631			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 162 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
8	R9	87	63	52	red pine	immature	thinning	2		
comnts Fmd : remove jack pine and some red pine logs, scarify soil. Cut with stands 9 & 16.										
9	R9	45	67	58	red pine	immature	thinning	2		
comnts Fmd : remove aspen, jack pine and some red pine logs. Cut with stands 8 & 16. Scarify soil.										
16	R6	48	81	49	red pine	immature	thinning	2		
comnts Fmd : remove jack pine and scattered aspen along with some red pine logs. Scarify soil, cut with stands 8&9.										
18	O5	13	81	49	oak	immature	thinning	2		
comnts Fmd : remove jack pine , cut with stand 19										
Wld : Use whole tree leave tree spec.										
19	R9	25	81	54	red pine	immature	thinning	2		
comnts Fmd : remove aspen , jack pine cut with stand 18.										
20	O6	33	85	46	oak	immature	selection	2		
comnts Fmd : OAK 5-SPOT, DONE 1998, SALE 17-97: continue 5-spot										
Wld : Use drumming log spec in each cut unit.										
21	J6	8	66	56	jack pine	mature	selection	2		
comnts Fmd : CUT A 5 SPOT PATCH (2AC). 1998, SALE 17-97; continue 5 spot with stand 20										
27	O6	36	85	53	oak	immature	selection	2		
comnts Fmd : CUT STRIPS, 1998, SALE 17-97; continue strip cuts, steep along south edge of stand.										
Wld : use drumming log spec in cut strips.										
36	O6	39	86	52	oak	immature	selection	2		
comnts Fmd : NOTE TRESPASS IN STAND-FENCE TRESPASS-FENCE ROLLS, STILL THERE 5 SPOT CUT 1998, SALE 17-97. State surveyor, Carl Kiiskila, received information about the property in trespass in the process of being sold. Trespass includes the house and a number of out buildings. 01/16/2003.Continue 5-spot.										
Wld : use drumming log spec in each cutting unit.										
127	O6	12	85	53	oak	immature	selection	2		
comnts Fmd : CUT STRIPS, 1998, SALE 17-97; continue strip cuts, steep along south edge of stand.										
Wld : Use drumming log spec in each cut strip.										
136	O6	23	86	52	oak	immature	selection	2		
comnts Fmd : NOTE TRESPASS IN STAND-FENCE TRESPASS-FENCE ROLLS, STILL THERE 5 SPOT CUT 1998, SALE 17-97. State surveyor, Carl Kiiskila, received information about the property in trespass in the process of being sold. Trespass includes the house and a number of out buildings. 01/16/2003.Continue 5-spot.										
Wld : Use drumming log spec in each cut unit.										
Total Acres.....		369								

**Proposed Treatments
With Limiting Factors**

Compartment: 162 Entry Year: 2007

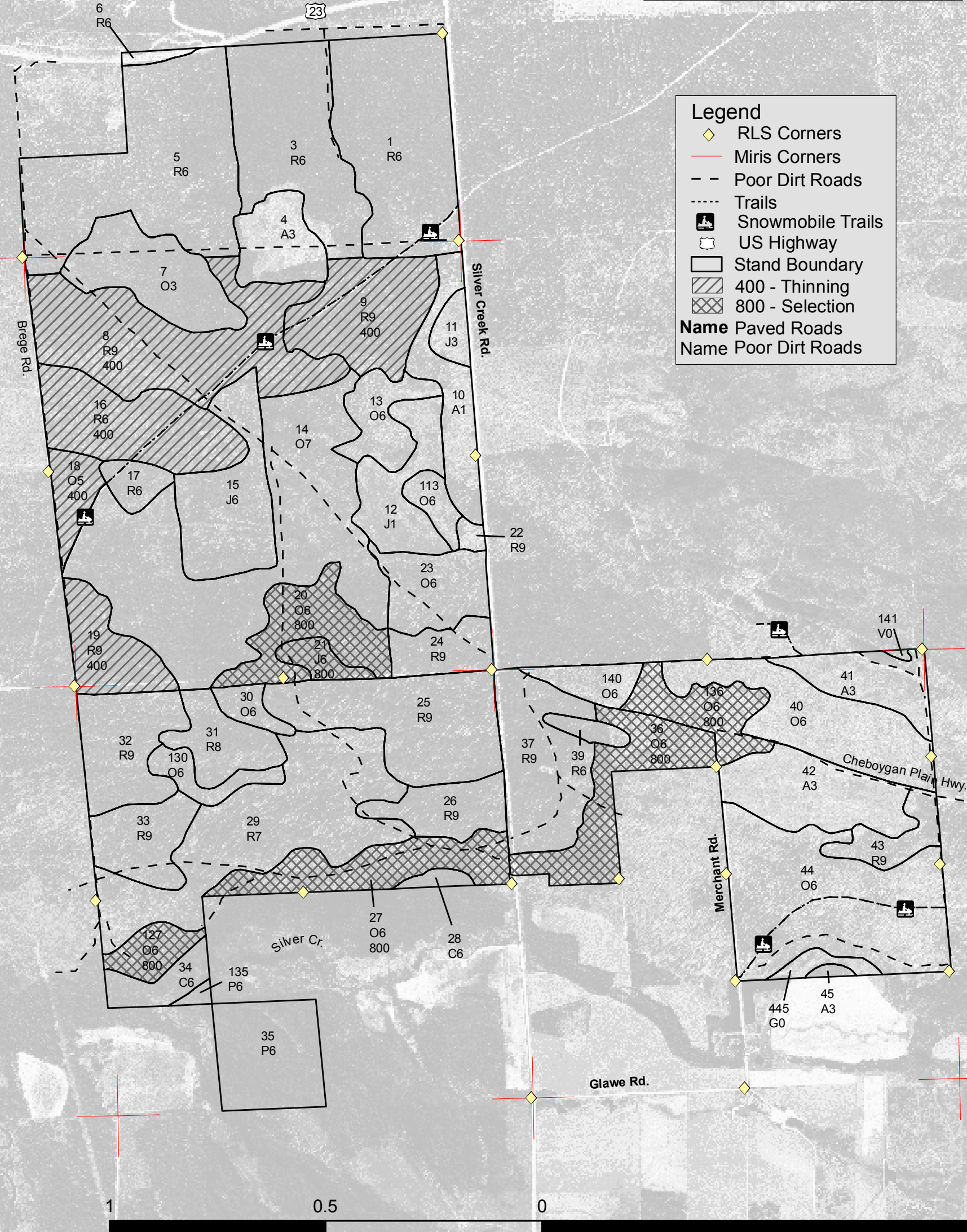
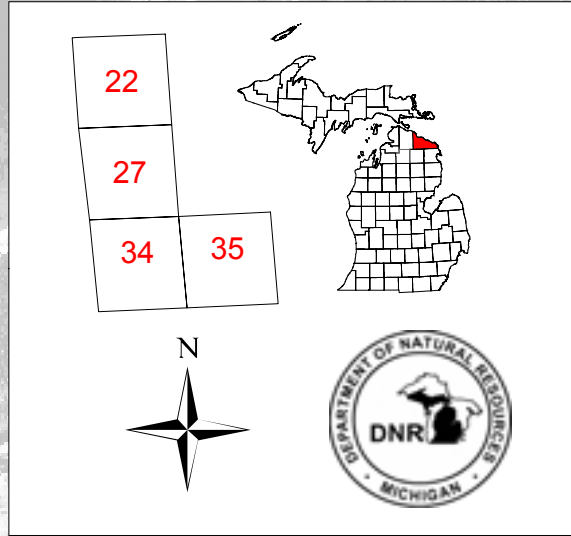
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 162
 T36N, R3E, Sec. 22, 27, 34, 35
 County: Presque Isle
 Unit: Atlanta
 YOE: 2007
 Acres: 1,631 GIS Calculated
 Stand Examiner: Timothy Paulus
 Map Revised: 9/1/2005
 Map Phase: Pre-review



Legend

- ◆ RLS Corners
- Miris Corners
- - Poor Dirt Roads
- Trails
- 🛷 Snowmobile Trails
- 🛣️ US Highway
- ▭ Stand Boundary
- ▨ 400 - Thinning
- ▩ 800 - Selection

Name Paved Roads
Name Poor Dirt Roads

