



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #41 ENTRY YEAR: 2005

Compartment Acreage: 1867 County: OTSEGO

Revision Date:

August 28, 2003 (December 19, 2007)

Stand Examiner:

Don Mittlestat

Legal Description:

T32N R01W Sections 25, 26, & 27

RMU (if applicable):

Not Applicable

Management Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

The terrain ranges from low and swampy along the Black River in section 27 changing to sharp ridges and rolling terrain in sections 25 & 26. There are swamp and marsh types along Hardwood Creek. The uplands are a mixture of pine, oak and aspen types. Roselawn and Rubicon sands make up the majority of the uplands, with some Emmet sandy loam in the northern portion of section 26. Rifle Peats are predominant in the lowlands

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

Sections 25 & 27 are all in state ownership. In section 27 the state recently acquired 226 acres (the Kronlund property 11/30/01.) There is still about 54 acres of private ownership in this section along the Black River. This compartment is surrounded by state land on all sides except on the east side of section 25 south of Hardwood Creek which is private.

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

A representative from Michigan's Natural Features Inventory will be on hand at the formal compartment review.

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

None identified.

Special Management Designations or Considerations:

None (Dec. 19, 2007 This compartment has been chosen as part of the Red Pine Project. Stand 2 will be treated out of entry year for this reason.)

Watershed and Fisheries Considerations:

The Black River a premier trout stream runs through the southern edge of sections 26 & 27.

Wildlife Habitat Considerations:

A Wildlife Division representative will be available to participate in the formal compartment review.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. Glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for clay/shale and cement products elsewhere in the State. The nearest gravel pit is in Section 25 and potential is considered good especially the upland areas. This area is/was partially leased for oil and gas development with production from the Niagaran reef trend. Additional Niagaran reefs are likely in the compartment. The Antrim Shale has not been developed but has potential in the compartment. There is excellent oil and gas potential for known producing formations in this compartment.

Vehicle Access:

There is good access to most, if not all, of the compartment.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

The High Country Pathway, Midland to Mackinac and North Spur of the Shore to Shore Riding and Hiking Trail pass through the compartment. Trout fishing is also popular in the Black River.

Fire Protection:

Access is good in case of any fire suppression efforts.

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**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status	
2	R8	44	79	66	northern hardwood	immature	final harvest	1			
comnts Fmd : MARK PINE TO CUT IN THICK AREAS. 1993 2007 THIS STAND WAS SELECTED FOR TREATMENT THOUGH THE RED PINE PROJECT. GROUPS OF 3 OR 4 RED PINE (WHITE PINE) WILL BE LEFT EVERY COUPLE OF ACRES.											
Total Acres.....		44									

Field Map

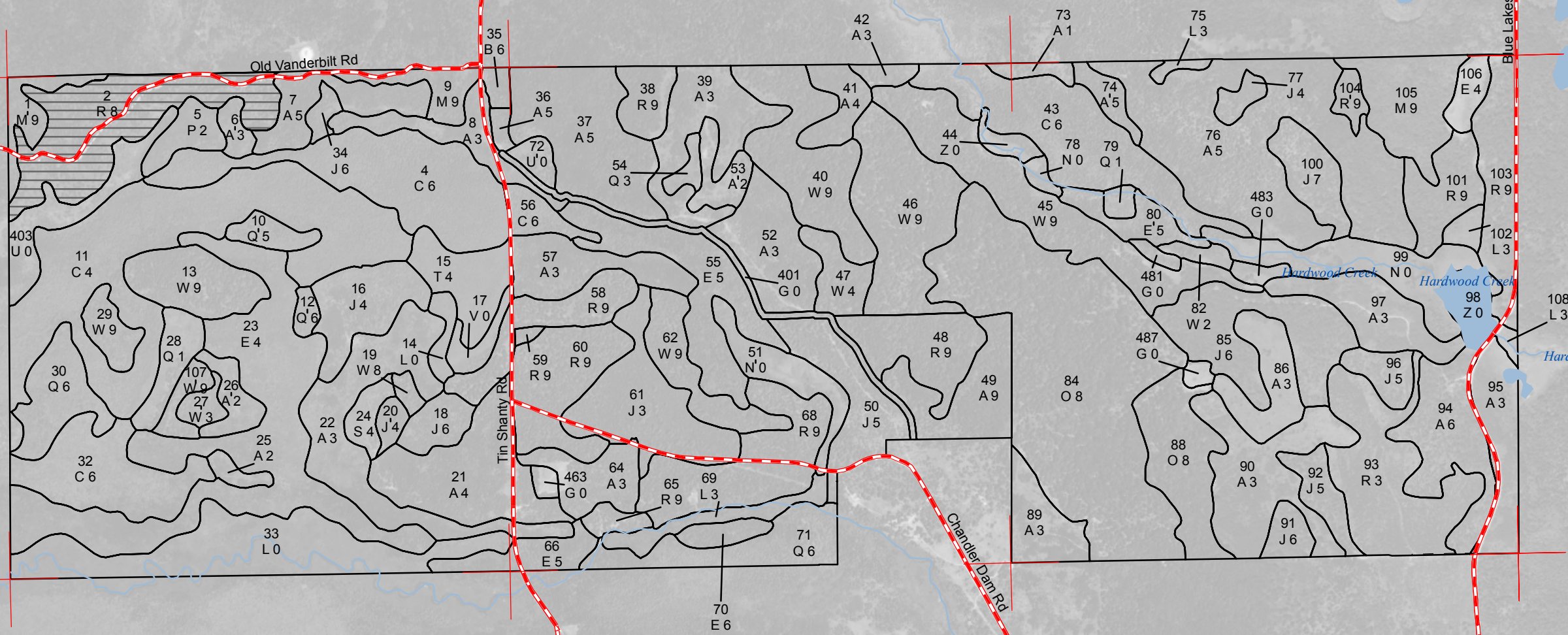
Compartment 041
 T32N, R01W, Sec. 25-27
 County: Otsego
 Unit: Pigeon River
 YOE: 2005
 Acres: 1,869 GIS Calculated
 Stand Examiner: Donald Mittlestat
 Map Revised: 1/02/2008
 Map Phase: Pre-review

Stand # **23** Stacking Density
 (A) (412) 0 - 7
 OI Level 3
 Code Level 4
 Cover Type Code

27 26 25

Legend

- Miris Corners
- County Gravel Road
- County Poor Dirt Road
- Paved Road
- Gravel Road
- Poor Dirt Road
- Closed Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundary
- Final Harvest



Treatment

Compartment 041
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Stand # 23
 Stocking Density
 (A) (412) 0 - 7
 OI Level 3
 Code Level 4
 Cover Type Code

27 26 25

Legend

- Miris Corners
- - - County Gravel Road
- - - County Poor Dirt Road
- Paved Road
- - - Gravel Road
- - - Poor Dirt Road
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- Intermittent Stream/Drain
- Stream
- █ Lakes and Rivers
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