



**SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 2 ENTRY YEAR: 2009

Compartment Acreage: 2102 County: Chippewa

Revision Date: October 5, 2007

Stand Examiner: Jeffery Wise

Legal Description: T43N R6E, Sections 21, 27, 28, 29, 30, 32, 33, 34

Management Goals: This compartment is on Drummond Island on the Maxton Plains area, and contains the rare Alvar habitat type that has historically been managed for its maintenance and preservation. Some treatments have occurred in the way of harvesting of mature aspen stands to maintain health and sustainability of that forest type, but not in the vicinity of the Alvar. Although there are mature aspen stands in this compartment, no treatments will be recommended at this time due to Forest Certification Work Instruction 1.4 - pertaining to SCAs, Special Conservation Areas. Access into these stands would require undue compromising of Alvar.

Soil and Topography: Potagannissing-Rock outcrop-Summerville: Exposed limestone bedrock and shallow, level to steep, poorly drained and well drained, loamy soils on ground moraines and glacial lake benches in the north part of the compartment. Shelter-Posen-Summerville: similar to above but a deeper soil in the south part of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Large block of State land interspersed with private holdings with little (no) developments except a few scattered hunting camps and seasonal homes along the shoreline. The area is primarily used for hunting, habitat viewing, and wildlife management. The compartment also borders the north shore of the island for approximately one mile and includes the shore of Grand Marais Lake. Other major ownership on the Maxton Plains is approx 840 acres belonging to the Nature Conservancy. Most of the shoreline in this compartment is privately owned.

Unique, Natural Features: This compartment is primarily the Maxton Plains area, the Alvar habitat classification usually containing many threatened and endangered species. Alvar is a rare plant community which thrives on shallow soil overlying limestone bedrock. MNFI has been consulted and comments received regarding potential and documented T & E species.

Archeological, Historical, and Cultural Features: Evidence of possible old logging camp in Sec 34.

Special Management Designations or Considerations: This compartment is an SCA, no timber management is recommended in this YOE due to stand proximity to Alvar. (Therefore, no harvesting treatments are recommended this YOE.)

Watershed and Fisheries Considerations: This compartment contains Grand Marais Lake, which may provide spawning habitat for smallmouth bass and northern pike, particularly when Great Lakes water levels are high. Fisheries information for this lake is limited. Since no treatments are prescribed for this compartment, Fisheries has no comments.

Wildlife Habitat Considerations: This compartment is dominated by Alvar communities which support several rare plant species such as Alaska orchid, false pennyroyal, Hill's thistle, Calypso orchid, prairie smoke, beauty sedge, and flattened spike-rush. One of the predominant threats to this delicate community within this compartment is off-road vehicle use. Vehicles not only damage soils and native plants but also introduce non-native species. This problem is being addressed with the initiation of a Drummond Island road plan and other activities which may provide additional protection to this compartment.

The area is also composed of semi-open and mature deciduous forests which benefit many wildlife species such as sharp-tailed grouse, northern goshawk, red-backed salamander and ring-necked snake.

Management within the wetland areas in the interior and along the shoreline promotes species such as the American bittern, blanding's turtle, and solitary sandpiper.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous glacial deposits over bedrock. The glacial drift thickness varies between 0 and 10 feet. The Ordovician Queenston Shale subcrops below the glacial drift. The Queenston does not have a current economic use. Gravel pits are not located in this area and potential is unknown. There is no current economic oil and gas production in the UP.

Vehicle Access: Bruce Point Rd. bisects the compartment. A few old existing two tracks extend into the interior through the grassy openings but fairly limited access into the compartment due to the sensitivity of the Maxton Plains Alvar.

Survey Needs: Possible cabin Trespass in Sec 30, NESE. No other needs at this time.

Recreational Facilities and Opportunities: This area is important for wildlife viewing, hunting, and nature education of the Alvar habitat type. There is a placard at the junction of Maxton Plains Rd and Bruce Point Rd explaining the rarity and importance of the Maxton Plains Alvar. There are no legal snowmobile or ORV trails in this compartment.

Fire Protection: Access is good to the west, south, and east, sides of the compartment but the interior would be difficult to access. Water sources would be sufficient but not too near. Some structure protection would be a concern on the south and west side. Light on the land tactics need to be considered for wild land fires on the Alvar to minimize damage and soil disturbance.

Additional Compartment Information:

- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Listing – Forested**
 - ◆ **Stand Listing – Non Forested**
 - ◆ **Special Conservation Area (SCA) Details**

- **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**
 - ◆ **SCA – Special Conservation Areas**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 45002

Date: 9/11/2007

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	0	0	0	0	0	0	0	0	0	0	191.8	191.8
Emergent Wetland	170.8	0	0	0	0	0	0	0	0	0	0	0	170.8
Herbaceous Openland	438.3	0	0	0	0	0	0	0	0	0	0	0	438.3
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	0	5.1	29.4	34.5
Lowland Deciduous Forest	0	0	0	0	0	0	0	0	0	15.4	0	0	15.4
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	48.6	48.6
Lowland Shrub	117.3	0	0	0	0	0	0	0	0	0	0	0	117.3
Natural Pines	0	0	0	0	0	0	6.5	0	0	0	0	26	32.5
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	11.1	574.6	585.7
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	461.9	461.9
Water	4.5	0	0	0	0	0	0	0	0	0	0	0	4.5
Grand Total	730.9	0	0	0	0	0	6.5	0	0	15.4	16.2	1332.3	2101.3

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S
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a
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d

Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
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Rev
Cmnt:

No Stands with No Limiting Factors

Rev
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

S
t
a
n
d

Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
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Limiting Factor and Comment:

Rev Cmnt:

No Stands with Limiting Factors

Rev Spec:

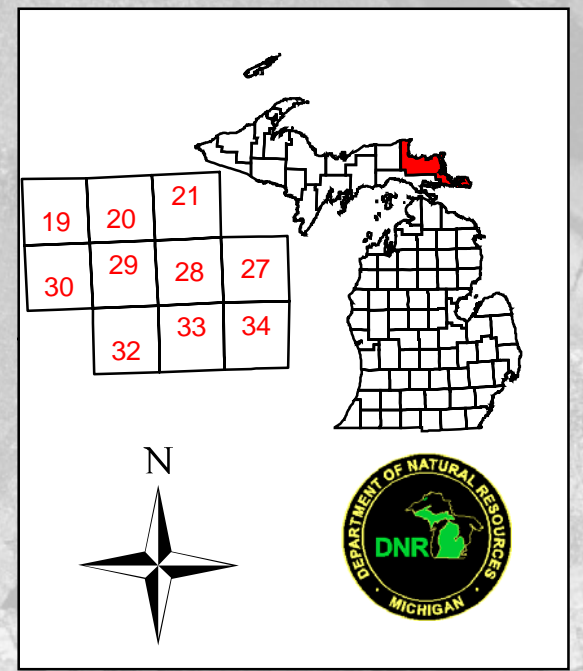
Next Steps:

Total Treatment
Acreage Proposed: 0

Compartment 2
 T43N, R06E, Sec. 19-21, 27-30, 32-34
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2009
 Acres: 2,102 GIS Calculated
 Stand Examiner: Jeff Wise
 Map Revised: 10/08/2007
 Map Phase: Pre-review

Field Map

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



Multi Part Polygons:
 Stand 13 (2 Parts), split by stand 18

Legend

- Miris Corners
- Gravel, Other
- Poor Dirt, Other
- Intermittent Stream/Drain
- Stream
- Gate
- Stands

Forest Stands

- 413 - Aspen Types
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

