



**SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 58 ENTRY YEAR: 2009

Compartment Acreage: 835

County: Chippewa

Revision Date: October 5, 2007

Stand Examiner: Jeff Wise

Legal Description: T44N R1E, Sec 16, 21, 27, 28, 30

Management Goals: This is a smaller than average compartment, known as the Sterlingville Potholes, made up entirely of purchased land. It has been managed for waterfowl and to a lesser extent, sharptail grouse. Over the past several years ponds have been created, fields burned, and more land acquired to enhance many wildlife species and provide public access to more recreation land. Very small amounts of forest treatments have been conducted in this compartment. Most of the forested stands lie along the Munuscong River providing wildlife corridors and scenic beauty for boaters. Two small stands in the NW corner are prescribed for treatment. This area cuts the corner of the Keldon deer yard and is heavily browsed. Timber harvest will occur in winter.

Soil and Topography: Pickford-Rudyard-Ontonogon association: Very deep, nearly level to very steep, poorly to well drained loamy soils on lake plains.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is surrounded entirely by private land. Land use includes agriculture, residences, and hunting camps.

Unique, Natural Features: The Munuscong River bisects the compartment. MNFI has been consulted and comments received regarding potential and documented T & E species.

Archeological, Historical, and Cultural Features: None known, other than most of the land was a farm acquired to create this compartment. Within the compartment but on private land is the historic Gray Cemetery that is still maintained by the township.

Special Management Designations or Considerations: The riparian zone of this compartment is very steep and narrow, and consists of mature stands of aspen and white spruce with Old Growth characteristics which have been coded as such.

Watershed and Fisheries Considerations: This compartment includes part of the Munuscong River, a tributary to the St. Marys River. Prescribed management activities are appropriate for the protection of this water body.

Wildlife Habitat Considerations: Management along the Munuscong River has focused on maintaining the open grass and shrub habitat for the benefit of waterfowl, white-tail deer and sharp-tail grouse. Recent acquisitions have increased the contiguity of habitat within this compartment. Ponds adjacent to the river offer additional opportunities for beaver and muskrat populations. Swamp hardwoods, aspen, and white birch further increase the habitat diversity within the river system.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured till and lacustrine (lake) clay, silt, sand & gravel. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Stonington Formation and Utica Shale subcrop below the glacial drift. The Stonington could be used for stone. Gravel pits are located in Section 22 and there is good potential. There is no current economic oil and gas production in the UP.

Vehicle Access: There is either paved or gravel access to virtually every block in this compartment. Gray Rd bisects the main block, 21 Mile Rd leads to the northwest block, Riverside Dr borders the east side, while 22 Mile Rd borders the remaining blocks on the south side.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: There are no recreation trails in the compartment. There are a few pull-offs for parking to hunt waterfowl, the main recreation in the compartment. Deer hunting is another primary use. There are some great areas for bow hunting in particular. Bird watching activities also take place here in all seasons as many species migrate and nest.

Fire Protection: Access and water sources are not a problem here. The fields are periodically burned in a safe manner. Structure protection is a minor concern when prescribed burning occurs.

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

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: 58

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 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | 54 |
| G Grass | | | | | 646 | | | | | | | | | | | | | | 4 | | | | | | | | 650 |
| L LowInd Brush | | | | | 16 | | | | 18 | | | | | | | | | | | | | | | | | | 34 |
| P LowInd Poplr | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | 20 |
| E Swamp Hrdwds | | | | | | | | | | | | | | | | | | | 66 | | | | | | | | 66 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | 11 |
| Total | 54 | | | | 662 | | | | 18 | 20 | | | | | | | | | 4 | 66 | | | | | 11 | | 835 |

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **58**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|--------------------------|----------|-----------------------------|---------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 1200 Cds | Hardwood | 604 Cds |
| Softwood | 620 Cds | Softwood | 152 Cds |
| Softwood | 13 Mbf | Sum CutVol | 756 Cds |
| Sum TotVol | 1846 Cds | | |
| Total Cmpnt Acres | | Acres Proposed For Cut..... | 34 |
| 835 | | | |

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|---|------------|-------|-----|------------|---|------------|---------------|------------------|---------------------|------------|
| 1 | E6 | 14 | 84 | 50 | swamp hardwoods | mature | final harvest | 3 | | |
| comnts Fmd : Put for sale last YOE, never sold, east part is wet so cut only the west 10 acres or so, have a look when lines are done, very mixed stand, regen of present species acceptable, clearcut with reserves: pine, hemlock, oak, yellow birch, cedar, and any elm, deer browsing, 99 is black ash and elm. | | | | | | | | | | |
| Wld : Follow BMP to protect wetland areas. Retain representation of current size and species composition within stand. | | | | | | | | | | |
| 2 | P6 | 20 | 54 | 72 | balsam poplar & swamp aspen and swamp white birch | mature | final harvest | 3 | | |
| comnts Fmd : Cut west part east part wet, have a look when lines are done, regen of present species acceptable, clearcut with reserves : pine, hemlock, yellow birch, cedar, oak, elm, 99 is black ash, elm, red maple. | | | | | | | | | | |
| Wld : Protect wetland areas following BMP. Retain representation of species and size composition within stand. | | | | | | | | | | |
| 6 | L0 | 6 | | | lowland brush | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Tag alder filled ditch leading to a gully and draining toward the river, partially brushed out in 2006 by Wildlife Div, could be burned with the fields if desired, however the gully could be an erosion hazard, burn only the area level with the fields. | | | | | | | | | | |
| 11 | L0 | 16 | | 56 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : 20 acres new acquisition in 2003, could be included in opening maintenance burns. | | | | | | | | | | |
| 17 | L3 | 6 | | 60 | lowland brush | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : New acquisition in 2005, no points, floodplain with tag alder with U types and mature aspen on upper slopes, erosion hazard. | | | | | | | | | | |
| 400 | G0 | 37 | | 72 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Heavy, tall grasses, needs maintenance, good corner control on north side, gully on NE side could erode easily. | | | | | | | | | | |
| 401 | G0 | 42 | | 72 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Heavy grasses, needs maintenance, gully on south side could erode easily, contains a pond, good trail, parking could use expansion. | | | | | | | | | | |
| 402 | G0 | 46 | | 72 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Heavy grasses and brush, needs maintenance, gullies on east side could erode easily. | | | | | | | | | | |
| 406 | G0 | 53 | | 60 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Larger field with regular burning cycles, contains potholes and a good trail , old deer blind NW of yellow gate, erodable hillside borders Munuscong River. | | | | | | | | | | |
| 407 | G0 | 110 | | 60 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Large field with regular burning cycles, borders 22 mile and Gray Rd, contains potholes | | | | | | | | | | |
| 408 | G0 | 142 | | 60 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : Large field with regular burning cycles, contains potholes, borders 22 Mile and Gray Rd, 40 acres new acquisition in 2003. | | | | | | | | | | |
| 409 | G0 | 40 | | | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : New acquisition in 2003, will be burned periodically, filling in with brush and wet, contains a pond, illegal deer blind in SE corner. | | | | | | | | | | |
| 410 | G0 | 10 | | | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : New acquisition 2003 , burned in 2003, contains a pond. | | | | | | | | | | |
| 411 | G0 | 59 | | 60 | grass | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : New acquisition in 2005, grass is low and has not grown fallow, could be mowed if not burned, good deer browsing and sharp tails, actually two fields connected by a tractor trail, travel influence on 22 Mile Rd also, slight erosion hazard at south end near the river. | | | | | | | | | | |

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status | |
|--|------------|------------|-----|------------|---------|------------|------------|------------------|---------------------|------------|--|
| 412 | G0 | 65 | | 60 | grass | nonstocked | | 0 | opening maintenance | | |
| comnts Fmd : New acquisition in 2005, grass is low and good for deer browsing and sharp tails, could be mowed if not burned. | | | | | | | | | | | |
| 413 | G0 | 9 | | 60 | grass | nonstocked | | 0 | opening maintenance | | |
| comnts Fmd : New acquisition in 2005, grass is low and good for deer browse and sharp tails, could be mowed if not burned. | | | | | | | | | | | |
| 414 | G0 | 4 | | | grass | nonstocked | | 0 | opening maintenance | | |
| comnts Fmd : New acquisition in 2005, grass is low and good for deer browse and sharp tails, could be mowed if not burned, travel influence on M-129 also, slight erosion hazard at east end near the river. | | | | | | | | | | | |
| Total Acres..... | | 679 | | | | | | | | | |

**Proposed Treatments
With Limiting Factors**

Compartment: 58

Entry Year: 2009

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

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 58
 T44N, R01W, Sec. 16, 21, 27, 28, 30
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2009
 Acres: 835 GIS Calculated
 Stand Examiner: Jason Caron
 Map Revised: 9/10/2007
 Map Phase: Pre-review

Field Map

16
 21
 28 27
 30

N

Legend

- RIs Corners
- Miris Corners
- Highway
- Paved
- Gravel
- Water Features
- Stand Boundary
- 011 - Planting/Hand Tools
- 016 - Planting
- 026 - Opening Maintenance
- 027 - Opening Maintenance/Prescribed Burning
- 100 - Final Harvest

