DNR

FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 28 ENTRY YEAR: 2009

Compartment Acreage: 1,102 County: Gladwin

Revision Date: May 2007

Stand Examiner: Steven Nyhoff

Legal Description: T20N R1E Sections 13, 14, & 15

RMU (if applicable):

Management Goals:
Continue to manage this compartment for aspen to maintain a variety of age classes. Indian Lake and Avery Creek flow through this compartment to the Tittabawassee River.

Soil and Topography:
The terrain is predominantly level with gradual slopes. The primary soil types are in the Croswell- Au Gres-Rubicon association. These soils are well-drained to somewhat poorly drained soils with a sandy substrate. Some areas of the compartment are subject to blowing and drought.

Ownership Patterns, Development, and Land Use in and Around the Compartment:
There is one private inholding and surrounding private to the west, north and east. State land abuts this compartment to the south.

Unique, Natural Features (include only non-site specific and non-sensitive information):
There are no known occurrences recorded in MNFI database and none were located during inventory.

Archeological, Historical, and Cultural Features
There are no records of sites in the area and no sites were identified during the IFMAP process.

Special Management Designations or Considerations:
None

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:
Wildlife Division has been very active within this compartment, as five different openings (in excess of 25 acres) have been established to minimize crop loss to the agricultural producers and their fields that lie immediately to the north of this large block of public ownership. The combination of wintering areas (Q types) and adjacent private farms produce high deer concentrations during the spring breakup period (April).

Besides the development of the above openings, Wildlife Division has also invested in the construction and development of four 16' gates that function to protect both landscape and farmed G types.

Waterfowl (ducks and geese), found on numerous beaver ponds, add considerable diversity to the abundant array of wildlife species that exist within this compartment.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of lacustrine (lake) clay, silt, sand and gravel. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. A gravel pit is located in Section 15, and there should be potential. This compartment has had sparse exploration for oil and gas. There are no oil and gas leases in the compartment currently.

Vehicle Access:

Primary access to the compartment is via Cedar Lake and Drummond Roads in the north and west. There area no two-tracks that provide vehicular access for the public internally in this compartment. Gated access via Drummond Road provides some access for management purposes, including wildlife opening maintenance.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

No official sites present. Three maintained wildlife opening and Tittabawassee River frontage provide many opportunities for hunting, trapping and fishing. Area is closed to vehicular traffic, and has the potential to be recognized as and official foot access only area. Hunting pressure is moderate to high.

Fire Protection:

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- **Cover Type by Age Class**
- **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: 73028

Date: 10/22/2007

	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	107.2	264.3	146.5	39.3	10.8	0	45.6	40.9	0	0	0	654.6
Emergent Wetland	22	0	0	0	0	0	0	0	0	0	0	0	22
Herbaceous Openland	111.2	0	0	0	0	0	0	0	0	0	0	0	111.2
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	0	21.3	0	21.3
Lowland Deciduous Forest	0	0	0	1.6	59.3	0	0	15.7	38.2	10	11.8	0	136.6
Lowland Shrub	57.7	0	0	0	0	0	0	0	0	0	0	0	57.7
Mixed non-forested wetland	29.7	0	0	0	0	0	0	0	0	0	0	0	29.7
Natural Pines	0	0	0	0	0	0	0	0	13.2	0	0	0	13.2
Oak Types	0	0	0	0	0	0	4.9	2.2	0	0	0	0	7.1
Upland Mixed Forest	0	0	0	0	0	12.4	0	9.2	0	0	0	0	21.6
Water	26.3	0	0	0	0	0	0	0	0	0	0	0	26.3
Grand Total	246.9	107.2	264.3	148.1	98.6	23.2	4.9	72.7	92.3	10	33.1	0	1101.3

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
1	**73028001-Cut**	23.0	4130 - Aspen	9	60	0	Clearcut with Reserves	Regeneration	Aspen

Rev Cmnt: Originally stand 1, 2, and 3 were one stand. Stand 2 is a broad drain and was cut out from stands 1 and 3 for retention.

Rev Spec: Stand is a final harvest to 2" DBH. Leave a buffer along the wildlife opening. The retention for the stand is that buffer and stand 2.

Next Steps: Stand is expected to regenerate naturally to aspen mixed with other hardwoods.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
3	**73028003-Cut**	39.3	4130 - Aspen	9	39	0	Clearcut with Reserves	Regeneration	Aspen

Rev Cmnt: Originally stands 1, 2, and 3 were one stand. Stand 2 is a broad base drainage and was seperated from stands 1 and 3 and is the retension for the stand.

Rev Spec: Final harvest to 2" DBH retaining all balsam fir, few clumps of white pine, mark some oak for mast and leave a narrow strip along stand 62. This is to be done for retention purposes.

Next Steps: Stand is expected to regenerate to aspen mainly with some other hardwoods and pine mixed in.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
11	**73028011-Cut**	22.6	4139 - Aspen, Mixed Deciduous	9	69	0	Clearcut with Reserves	Regeneration	Aspen, Mixed Deciduous

Rev Cmnt: Stand is mostly upland the a higer percentage of aspen. The stand has some low wet areas. The southern edge of the stand has the greatest amount of wetter land.

Rev Spec: Final harvest to 2" DBH. The retention for the stand should be kept around 5 BA. Retension should concentrate on retension of oak but other species also. White pine should be kept in small clump or groups. There are areas in the stand that have cedar and hemlock, these areas should be painted out and a buffer left to avoid sun scalding on the hemlock and wind throw on both the hemlock an cedar.

Next Steps: The stand should regenerate naturally to a mix of aspen, maple and oak.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
22	**73028022-Cut**	40.9	4131 - Aspen, Oak	9	75	0	Clearcut with Reserves	Regeneration	Aspen, Oak

Rev Cmnt: Stand is a mix of upland and low land. Some of the lower areas area a mix of ash, maple and some cedar.

Rev Spec: harvest by removing aspen and paper birch. There are areas that have higher concentration of aspen in those area mark all tree to make a regeneration opening for aspen. Through the rest of the stand mark to bring BA down to 90 and mark for logability. Stay out of the lowest and wettest area do not mark in the cedar pockets and the area in the SW corner of the stand that is cedar and hemlock.

Next Steps: Stand should regenerate natural to a mx of aspen and other hardwoods which is acceptable.

Total Treatment Acreage Proposed: **125.9**

Gladwin Mgt. Unit

PROPOSED TREATMENTS WITH LIMITING FACTORS

Compartment: 28 Entry Yr: 2009

Inventory Method: IFMAP

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective

Limiting Factor and Comment:

Rev Cmnt:

No Stands with Limiting Factors

Rev Spec:

Next Steps:

Total Treatment Acreage Proposed: **0**

Field Map

Compartment 28
T20N, R01E, Sec. 13-15
County: Gladwin
Unit: Gladwin
YOE: 2009
Acres: 1,102 GIS Calculated
Stand Examiner: Steve Nyhoff
Map Revised: 10/02/2007
Map Phase: Review

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

15 | 14 | 13

Legend

- Miris Corners
- State Highway
- Paved Road
- Intermittent Stream/Drain
- Stream
- Stands
- Clearcut with Reserves

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland

1 0.5 0 1 Miles

E Indian Lake Dr
Tamarack St
Indian Lake
Stillwagon Rd
Rutledge Rd
Middle Br Tittabawassee River
Herbie
Bensch Ct
Drummond Rd
Williams St
Howard St
Pine St
Birch St
Adeline St
Oak St
Doe St
Ratterson St
Dollar Lake
Smith Ave
Cedar Lake
Godbold R
Westside Dr
Middle Br Tittabawassee River
South Dr
Cedar Lake Rd
Indian Lake Creek

12 A4130-3
11 A4139-9
22 A4131-9
25 C6120-9
28 E6119-6
42 A4130-1
46 P6112-6
43 P6112-6
3 A4130-9
6 A4139-3
2 P6112-6
1 A4130-9
4 G310
19 E6119-6
15 A4130-3
7 E6113-9
26 A4130-3
31 A4130-3
37 W4220-9
40 L629
49 G310
44 G310
51 E6115-5
48 E6115-5
52 A4130-1
54 L622
58 G310
59 UM4311-9
60 Z500
23 A4130-3
20 A4130-3
36 A4130-6
10 E6118-9
32 G310
34 N623
33 A4130-3
38 G310
45 W4220-9
56 A4130-3
53 Z500
57 L622
5 A4130-6
9 G310
17 A4130-6
16 L629
27 N623
24 L622
29 N623
41 UM4311-8
50 A4130-3
55 N623
8 C6120-6
13 O4123-9
14 O4129-6
18 E6119-6
21 L622
30 L622
35 E6119-9
39 Z500
47 G310