



**Gladwin Forest Management Unit  
Compartment Review Presentation**  
**Compartment #56                      Entry Year: 2012**  
**Compartment Acreage: 1211    County: Gladwin**

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**Revision Date:** September 8, 2010, October 12, 2010

**Stand Examiner:** Rick Myrick

**Legal Description:** T19N-R1E, Sections 25 and 36, Gladwin County

**Management Goals:** The sustainable management of aspen, oak, maple and conifer species.

**Soil and Topography:** The Crowell-AuGres-Rubicon association of well drained to somewhat poorly drained soils that have a sandy substrate dominate the Compartment. The Hettinger-Bowers-Iosco association of somewhat poorly drained to very poorly drained soils that have a loamy to sandy subsoil comprise the northeast quarter of Section 25. Both associations are typical of level lake plains.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The Compartment is approximately two contiguous sections of State ownership with the exception of the SWNW of Section 25, which is 40 acres of private ownership. The Compartment is surrounded by State ownership on almost three sides with private rural parcels and larger forested properties along the north and northwest boundaries.

**Unique, Natural Features:** No known occurrences were identified within the Michigan Natural Features Inventory database.

**Archeological, Historical, and Cultural Features:** No known occurrences were identified within the Michigan History Center Archeological database.

**Watershed and Fisheries Considerations:** Two man-made County drains cut through the north quarter of the Compartment; warm water drainages, Black Creek (formally known as Sheridan Drain) and the farther north Koll Drain. Both tributaries flow via Black Creek to the Tittabawassee River below Smallwood Reservoir and above Wixom Reservoir.

**Wildlife Habitat Considerations:** Compartment 56 maintains habitat suitable to attract a wide variety of wildlife species. Cats, bears, furbearers of all kinds, plus all the traditional game species are present within this compartment. One 16' steel gate is present which controls undesired access and protects a large annually maintained wildlife opening. Land management/administrative control has improved since the 2002 YOE. This has been accomplished through the construction of berms, parking lots and the maintenance of traditional campsites. The maintenance of the aspen cover type throughout this compartment sustains the attractiveness to both wildlife and hunters. Improved age class distribution of the above cover type is a legitimate need or desired improvement. Compartment 56 previously functioned as the Put and Take Pheasant Area within the late 1970s.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of fine-textured glacial till. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw Formation is used for clay/shale in other areas of the State. This area is predominantly sand, and gravel potential in the compartment is considered limited. Very little oil and gas exploration has occurred in this area, and potential is fair. The two well Secord Field is

located three miles to the north. The field, discovered in 1937, produced 12,000 BO from the Dundee. There are no current oil and gas leases, but part of Section 25 and 36 are nominated for the October 2010 lease auction.

**Vehicle Access:** The Compartment is bounded on the west by paved county, Three Rivers Road. The north half of the Compartment, Section 25, is bisected by county gravel Ridge Road. A number of forest two-track roads penetrate the Compartment, with access generally off of the two aforementioned county roads.

**Survey Needs:** There are no known survey needs.

**Recreational Facilities and Opportunities:** A portion of the Midland to Mackinaw Boy Scout Trail cuts east and west through the approximate midsection of the Compartment affording an opportunity for hiking. Small and large game hunting opportunities exist throughout the Compartment.

**Fire Protection:** Much of the Compartment is accessible for wildland fire suppression. Numerous forest two-track roads accessible off of two county roads lend themselves to the use of heavy fire equipment.

**The following reports from the Inventory are attached:**

- ◆ Total Acres by Cover Type and Age Class
- ◆ Proposed Treatment Summary
- ◆ Proposed Treatments – No Limiting Factors
- ◆ Proposed Treatments – With Limiting Factors
- ◆ Stand Details (Forested and Nonforested)
- ◆ Dedicated and Proposed Special Conservation Areas

**The following information is displayed, where pertinent, on the attached compartment maps:**

- ◆ Base feature information, stand boundaries, cover types, and numbers
- ◆ Proposed treatments
- ◆ Details on the road access system

# Cover Type & Treatment Map

Compartment 56  
 T19N, R01E, Sec. 25, 36  
 County: Gladwin  
 Unit: Gladwin  
 YOE: 2012  
 Acres: 1,208 acres GIS Calculated  
 Stand Examiner: Rick Myrick  
 Map Revised: 10/18/2010  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

## Legend

- Miris Corners
- + Remonumented Section Corners
- Paved Roads
- - - Poor Dirt Roads
- - - Trails
- 👤 Hiking Trails
- ▲ Berm
- P Parking Lot
- Intermittent Stream/Drain
- Stream
- 🌊 Lakes and Rivers

## Treatments

- ▨ Clearcut (w/Reserves, Patch/Strip)

## Forest Stands

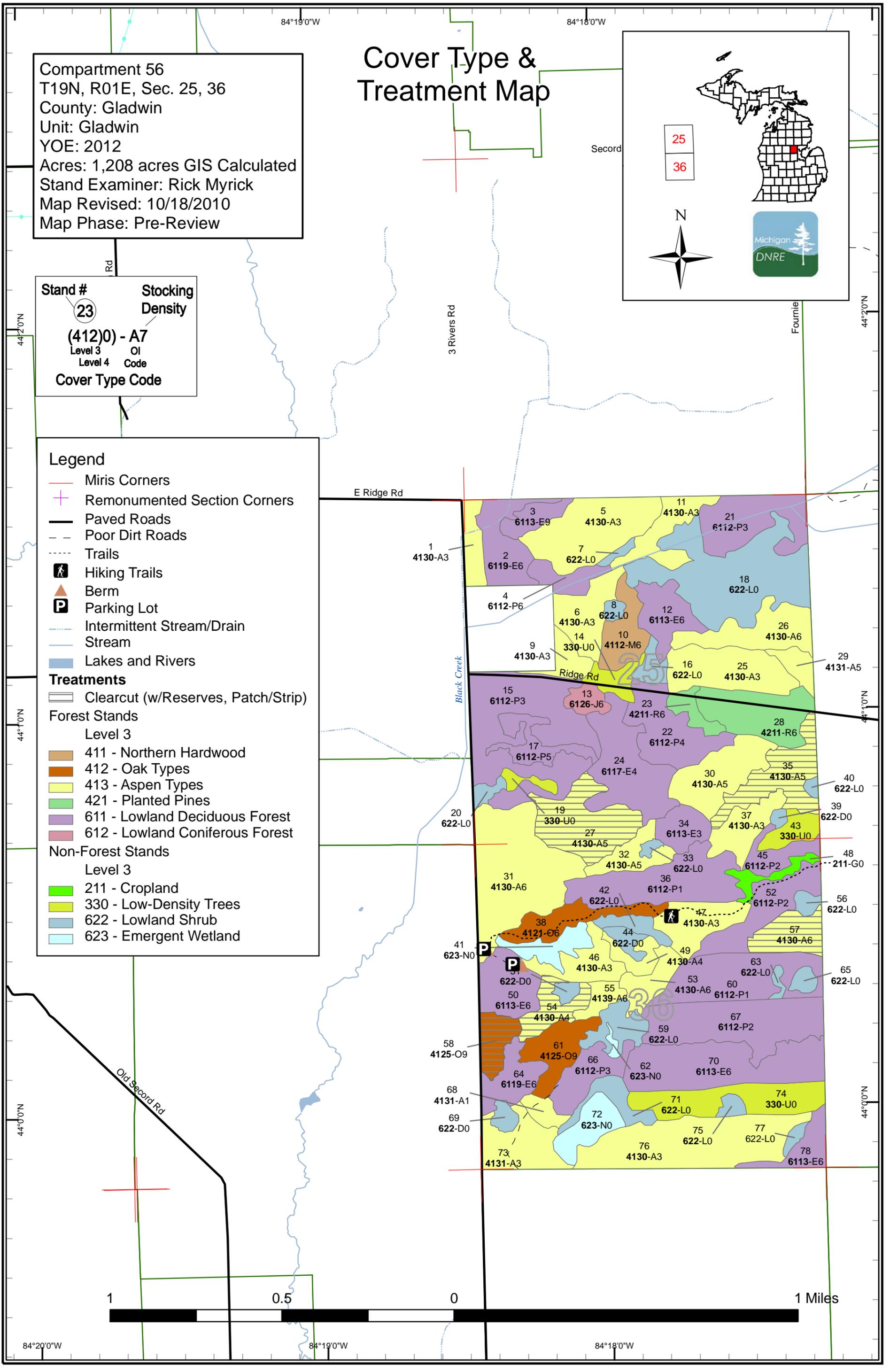
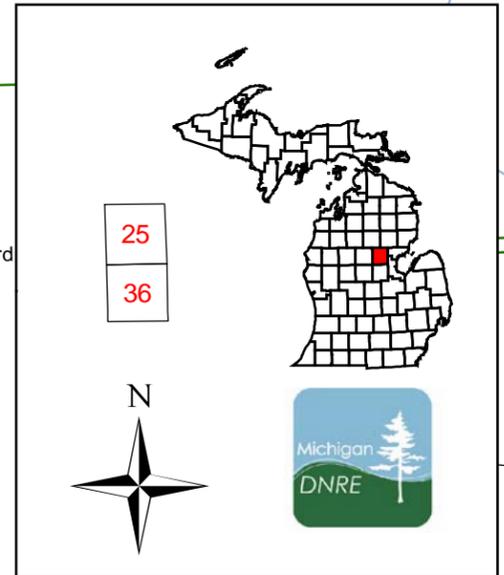
### Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

## Non-Forest Stands

### Level 3

- 211 - Cropland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

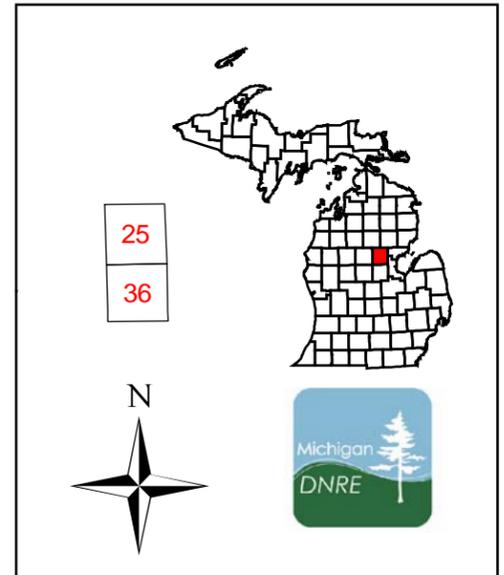


84°20'0"W 84°19'0"W 84°18'0"W 44°0'0"N 44°10'0"N 44°20'0"N



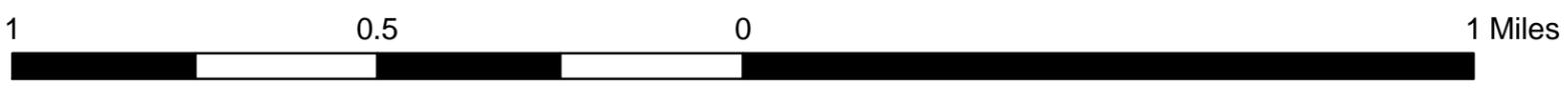
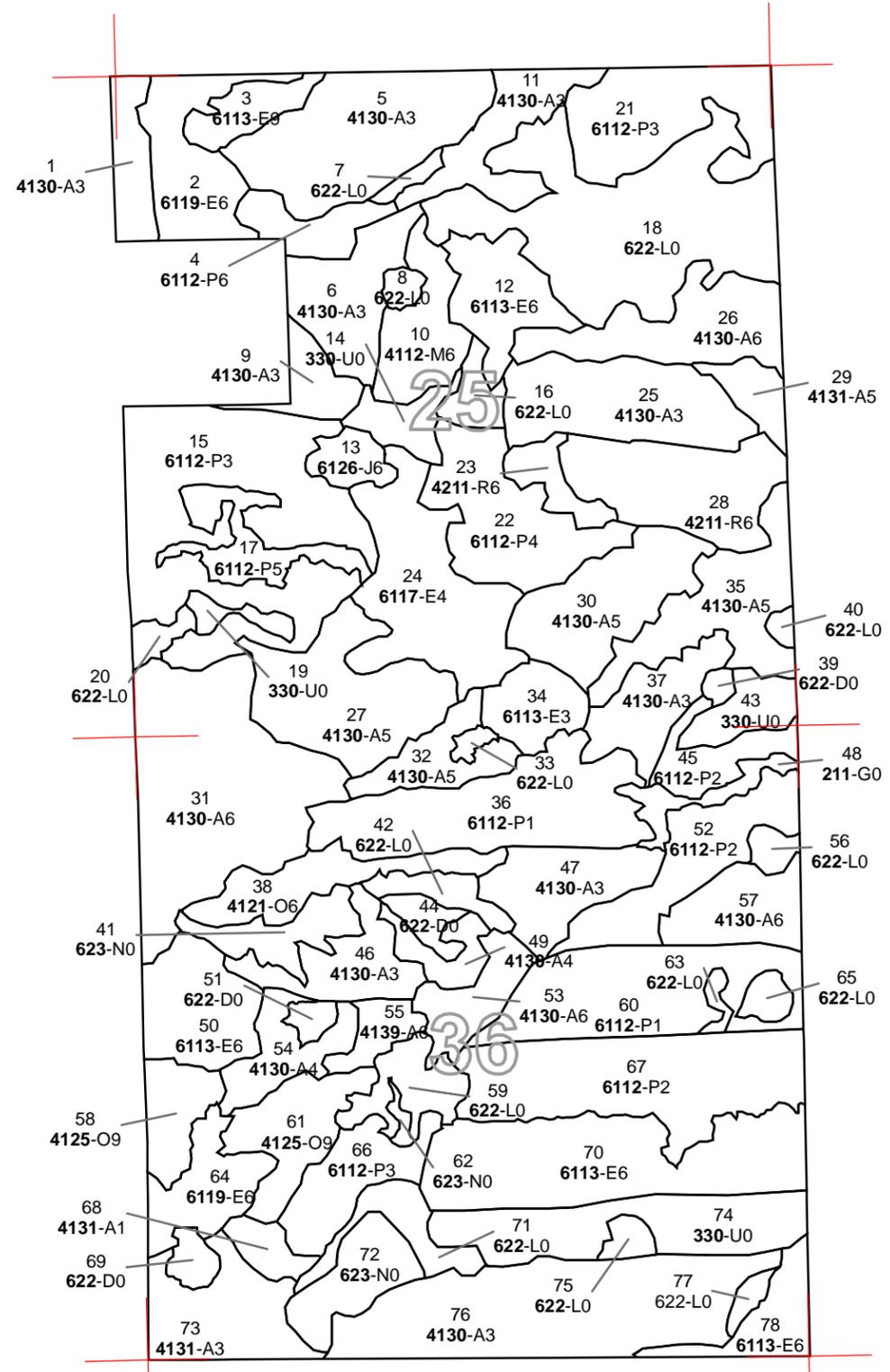
Compartment 56  
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 YOE: 2012  
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 Map Revised: 10/18/2010  
 Map Phase: Pre-Review

# Dedicated & Proposed Special Conservation Area Map



**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - ▨ SCA - Special Conservation Area
  - ▩ SCA Removal
  - ▭ Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 421 - Planted Pines
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 211 - Cropland
  - 330 - Low-Density Trees
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



84°19'0"W 84°18'0"W

44°20'N

44°10'N

44°00'N

44°20'N

44°10'N

44°00'N

**Table 1 – Total Acres by Cover Type and Age Class**

Data updated before 10:00 AM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	0	34	165	108	134	14	0	0	0	0	0	0	0	0	455
Cropland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Jack Pine	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Low-Density Trees	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Aspen/Balsam Poplar	0	21	0	130	0	141	0	0	0	0	0	0	0	0	0	292
Lowland Deciduous	0	10	0	0	45	52	0	10	29	27	0	0	0	0	0	173
Lowland Shrub	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111
Marsh	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Oak	0	0	0	15	0	0	0	0	16	10	0	0	0	0	0	41
Red Pine	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	33
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
<b>Total</b>	<b>197</b>	<b>31</b>	<b>34</b>	<b>311</b>	<b>158</b>	<b>328</b>	<b>47</b>	<b>10</b>	<b>60</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1211</b>



## Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Gladwin Mgt. Unit  
Year of Entry 2012

Compartment 056  
Total Compartment Acres: 1211

### Acres by Treatment Type

Commercial Harvest - 89	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	79	0	0	0	0	0	79
Oak	10	0	0	0	0	0	10
<b>Total</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>89</b>



Data updated before 10:00 AM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27 73056027-Cut	30.1	4130 - Aspen	Medium Density Pole	42	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Remove all species 2" or greater.Specs:Other Leave 3% of all representative species within retention pockets along stand edges.Comments:

MO is the regeneration of aspen species.

NextSteps:

35 73056035-Cut	23.6	4130 - Aspen	Medium Density Pole	42	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription Remove all species 2" or greater.Specs:Other Leave 3% of all representative species within retention pockets along stand edges.Comments:

MO is the regeneration of aspen species.

NextSteps:

54 73056054-Cut	11.3	4130 - Aspen	Low Density Pole	41	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription Remove all species 2" or greater.Specs:Other Leave 3% of all representative species within retention pockets along stand edges.Comments:

MO is the regeneration of aspen species.

NextSteps:

57 73056057-Cut	13.9	4130 - Aspen	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription 2" clear cut all species with a representative 3% reserved as retention.Specs:Other Long term MO is regeneration of aspen.Comments:NextSteps:

58 73056058-Cut	9.8	4125 - Black, N. Pin Oak	High Density Log	89	Harvest	Clearcut with Reserves	Mixed N. Hardwood - Aspen	Cmpt. Review Proposal
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Prescription Remove overstory of all black oak species 8" or greater.Specs:Other MO is the release of the bigtooth aspen, black oak and red maple understory. Retention will be met in the remaining understory.Comments:NextSteps:

**Total Treatment  
Acreage Proposed: 88.7**



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Data updated before 10:00 AM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

**Total Treatment Acreage Proposed: 0**

Data updated before 10:00 AM

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2012



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

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**Total Treatment  
Acreage Proposed: 0**

S t a n d	Gladwin Mgt. Unit		5 – Forested Stands			Compartment: 056	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012	
1	4130 - Aspen	High Density Sapling	9.0	19			
2	6119 - Mixed Lowland Deciduous Forest	High Density Pole	18.9	86	81-110		
3	6113 - Lowland Maple	High Density Log	7.7	86	141-170		
4	6112 - Lowland Aspen	High Density Pole	8.7	26			
5	4130 - Aspen	High Density Sapling	35.8	25			Matrix of upland with lowland inclusions.
6	4130 - Aspen	High Density Sapling	17.8	26			
9	4130 - Aspen	High Density Sapling	7.4	26			Matrix of upland with some lowland inclusions.
10	4112 - Maple, Beech, Cherry Association	High Density Pole	14.6	71	81-110		
11	4130 - Aspen	High Density Sapling	15.2	25			
12	6113 - Lowland Maple	High Density Pole	15.8	71	81-110		Predominately lowland with some upland inclusions. Numerous multiple stem Red Maple.
13	6126 - Lowland Jack Pine	High Density Pole	5.6	30			
15	6112 - Lowland Aspen	High Density Sapling	60.3	41			
17	6112 - Lowland Aspen	Medium Density Pole	11.9	42			
21	6112 - Lowland Aspen	High Density Sapling	26.7	25			Generally lowland with upland ditch bank along Black Creek.
22	6112 - Lowland Aspen	Low Density Pole	26.5	42			
23	42110 - Planted Red Pine	High Density Pole	6.2	56			
24	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	33.7	42			
25	4130 - Aspen	High Density Sapling	27.4	39			



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Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 056

Data updated before 10:00 AM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4130 - Aspen	High Density Pole	22.4	39		
27	4130 - Aspen	Medium Density Pole	30.1	42		
28	42110 - Planted Red Pine	High Density Pole	26.5	56	141-170	
29	4131 - Aspen, Oak	Medium Density Pole	6.0	39		
30	4130 - Aspen	Medium Density Pole	24.5	25		
31	4130 - Aspen	High Density Pole	55.4	42	51-80	
32	4130 - Aspen	Medium Density Pole	10.8	25		
34	6113 - Lowland Maple	High Density Sapling	10.2	9		
35	4130 - Aspen	Medium Density Pole	23.6	42		
36	6112 - Lowland Aspen	Low Density Sapling	37.0	27		Treed blueberry bog matrix with upland ridges of blueberry and grasses.
37	4130 - Aspen	High Density Sapling	14.0	42		
38	4121 - Oak, Aspen	High Density Pole	15.2	25		Boy Scout trail runs through the stand, with the majority of the log sized oak along the trail.
45	6112 - Lowland Aspen	Medium Density	9.2	27		
46	4130 - Aspen	High Density Sapling	14.0	22		
47	4130 - Aspen	High Density Sapling	17.4	25		
49	4130 - Aspen	Low Density Pole	6.3	27		
50	6113 - Lowland Maple	High Density Pole	18.4	42		
52	6112 - Lowland Aspen	Medium Density	21.0	8		Lowland aspen in blueberry bog. Very wet. Sparse.

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Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 056

Data updated before 10:00 AM

Year of Entry: 2012



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
53	4130 - Aspen	High Density Pole	10.5	26	51-80	Matrix of upland with lowland swales.
54	4130 - Aspen	Low Density Pole	11.3	41		
55	4139 - Aspen, Mixed Deciduous	High Density Pole	5.8	22	81-110	Upland with lowland swales of alder.
57	4130 - Aspen	High Density Pole	13.9	50	81-110	
58	4125 - Black, N. Pin Oak	High Density Log	9.8	89	1-50	
60	6112 - Lowland Aspen	Low Density Sapling	33.7	27		Matrix of treed blueberry bog and sand ridges.
61	4125 - Black, N. Pin Oak	High Density Log	15.9	70	1-50	
64	6119 - Mixed Lowland Deciduous Forest	High Density Pole	13.5	71	111-140	
66	6112 - Lowland Aspen	High Density Sapling	14.9	22		
67	6112 - Lowland Aspen	Medium Density	42.3	42		
68	4131 - Aspen, Oak	Low Density Sapling	5.0	15		
70	6113 - Lowland Maple	High Density Pole	44.8	35	51-80	
73	4131 - Aspen, Oak	High Density Sapling	20.0	12		
76	4130 - Aspen	High Density Sapling	51.8	35		
78	6113 - Lowland Maple	High Density Pole	10.0	60	81-110	



Stand	Cover Type	Acres	Gen Cmts:
7	6220 - Alder/willow	1.8	
8	6220 - Alder/willow	2.1	
14	3301 - Low Density Deciduous Tree	6.9	
16	6220 - Alder/willow	5.0	
18	6220 - Alder/willow	59.9	
19	3301 - Low Density Deciduous Tree	3.1	
20	6220 - Alder/willow	2.9	
33	6220 - Alder/willow	1.4	
39	6224 - Treed Bog	1.4	Treed blueberry bog.
40	6220 - Alder/willow	1.2	
41	6239 - Mixed Emergent Wetland	10.0	
42	6220 - Alder/willow	5.6	
43	3301 - Low Density Deciduous Tree	7.8	
44	6224 - Treed Bog	4.0	Treed blueberry/huckleberry bog.
48	2113 - Forage Crops	5.8	Grassed wildlife opening.
51	6224 - Treed Bog	2.3	Blueberry/Huckleberry Treed bog mixed with alder and willow..
56	6220 - Alder/willow	2.7	
59	6220 - Alder/willow	10.2	



Stand	Cover Type	Acres	Gen Cmts:
62	6239 - Mixed Emergent Wetland	1.1	
63	6220 - Alder/willow	1.6	
65	6220 - Alder/willow	3.0	
69	6224 - Treed Bog	3.4	
71	6220 - Alder/willow	8.7	
72	6239 - Mixed Emergent Wetland	12.8	
74	3301 - Low Density Deciduous Tree	27.3	
75	6220 - Alder/willow	2.8	
77	6220 - Alder/willow	2.0	



### 7 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

*Data updated before 10:00 AM*

Stand	SCA Type	SCA Name	Acres	Comments
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### 8 – DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

*Data updated before 10:00 AM*

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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