



CADILLAC FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 87 ENTRY YEAR: 2012

GIS Compartment Acreage: 2383 County: Missaukee

Revision Date: 9/9/10

Stand Examiner: Jim Malloy

Legal Description: T24N, R6W, Sections 4, 5, 6, 8, 9

Management Goals: To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management.

Soils and Topography: The predominant soils in the area of this compartment are Roscommon muck sand poorly drained. Rubicon, Graycalm well drained. Flat with some rolling hills except for areas in east part of section 4 which is very hilly. To the east is swampland and to the west are areas of upland hardwoods and aspen types.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Sections 4 and 5 are solid state ownership. In section 6 there is one private 40-acre parcel in (SWNE). The land to the north, east and west are mostly state-owned. To the south are mostly private lands and are either forested or being subdivided into smaller parcel for seasonal or hunting residents. The following parcels are recommended for acquisition if they become available for sale: SWNE section 6, SENW, SWNE section 8, NWNW section 9 T24N R6W.

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

Hill's thistle occurrence to NE. 3111: irregular ice-contact ridges, few kettle lakes, excessively drained loamy sand Northern wet meadow documented about 1.25 miles to N. 5111: broad flat outwash plain, few kettle lakes, excessively drained sand Potential for red-shouldered hawk and northern goshawk. Potential for great blue heron rookery. Potential for northern harrier, least bittern, yellow rail, black tern, common moorhen, and American bittern. Potential for Blanding's turtle, eastern massasauga, and wood turtle. Osprey* documented within compartment in sections 11 and 12; more records to NE. Eastern massasauga* records in SW 1/4 of section 12 and NE 1/4 of section 13. Wood turtle* recorded in NE 1/4 of section 21 and NW 1/4 of section 7; additional records to SE and NW. Kirtland's warbler to SE. Bald eagle within 1 mile to E in sections 5 and 6; more occurrences to NE. Great blue heron rookeries to E. Boreal brachionyncha to E. Secretive locust to SW. Slippershell mussel to SE. Bigmouth shiner records to SE and NE. VII.2.12121: flat moraine or till plain Beech-Sugar Maple-Hemlock Forest, Hemlock-White Pine Forest, Mixed Conifer Swamp, Mixed Hardwood Swamp, Mixed Pine-Oak Forest, White Pine-Red Pine Forest

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): No historical features are listed. There is a story about a still in the swamp hence the name of near-by Whiskey Creek.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: TBD

Wildlife Habitat Considerations: Featured wildlife species are deer, ruffed grouse, woodcock, and turkey. Management objectives are to maintain the aspen type, and maintain species and age-class diversity across the compartment. (L. Smith, 9/24/10)

Mineral Resource and Development Concerns and/or Restrictions:

Sections 4-6, 8 and 9, T24N-R6W, Missaukee County

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is used for gypsum in other areas of the State. Gravel pits surround the compartment, and potential is considered to be good. Cannon Creek Field is located along the west edge of the compartment. The Field produced gas from the Devonian Traverse Limestone and oil from the Detroit River Sour Zone. One active (?) Detroit River Sour Zone well is located in the SW SW of Section 6. All of the State land is currently leased for oil and gas development.

Vehicle Access: There are no bridges within the compartment. A forest road access plan is detailed on the compartment map.

Survey Needs Survey corners are needed around the SWSN section 6 and in the N1/2 section 9.

Recreational Facilities and Opportunities: The Miss Kal Snowmobile Trail runs east west through the northern portion of sections 4, 5, 6. The North Missaukee ORV Trail also runs through the compartment. Motorized wheeled vehicles have also substantially impacted the Shell pipeline along the south side of section 6. Significant increase in ORV use has been occurred in the last few years in this area. The NENE portion of section 6 is used as campsite through out the year. The area has several old hunting camps that are use though out the hunting season.

Fire Protection: Initial attack for suppression is split in this compartment, with Houghton Lake Field Office responding to fires east of 7 Mile Rd., and the Manton Field Office responding to fires west of 7 Mile Rd. There are “no plow” zones located within the compartment and on neighboring private lands. Limited access, areas of pine, and response time add to the potential for large fire growth within portions of the compartment. 10-6-10/BRA

Additional Compartment Information: New Oil and gas exploration has led to an increase in the number of oil wells that may be in the compartment. The department has been contacted about a new well site to be developed in NENW of section 6.

LOTS Compartment Acreage: _____

➤ **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**

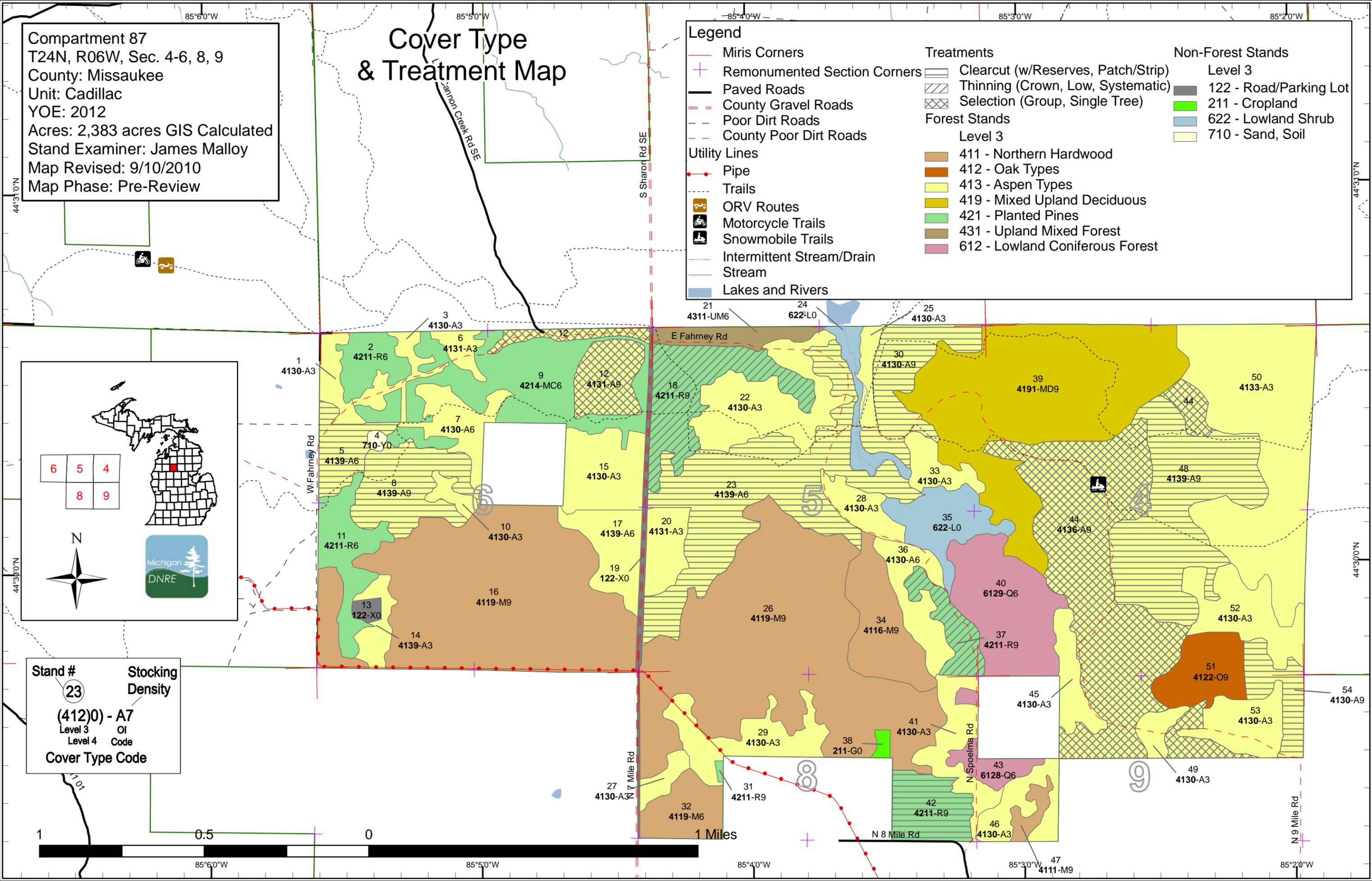
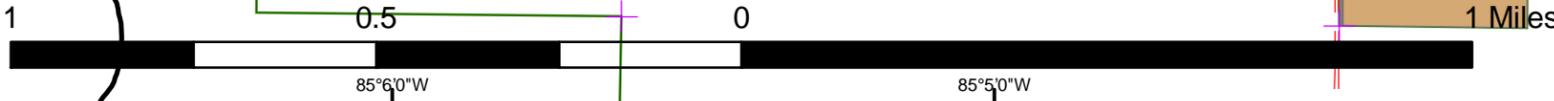
Compartment 87
 T24N, R06W, Sec. 4-6, 8, 9
 County: Missaukee
 Unit: Cadillac
 YOE: 2012
 Acres: 2,383 acres GIS Calculated
 Stand Examiner: James Malloy
 Map Revised: 9/10/2010
 Map Phase: Pre-Review

Cover Type & Treatment Map

Legend

<ul style="list-style-type: none"> Miris Corners Remonumented Section Corners Paved Roads County Gravel Roads Poor Dirt Roads County Poor Dirt Roads Utility Lines Pipe Trails ORV Routes Motorcycle Trails Snowmobile Trails Intermittent Stream/Drain Stream Lakes and Rivers 	<h4>Treatments</h4> <ul style="list-style-type: none"> Clearcut (w/Reserves, Patch/Strip) Thinning (Crown, Low, Systematic) Selection (Group, Single Tree) <h4>Forest Stands</h4> <p>Level 3</p> <ul style="list-style-type: none"> 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 431 - Upland Mixed Forest 612 - Lowland Coniferous Forest 	<h4>Non-Forest Stands</h4> <p>Level 3</p> <ul style="list-style-type: none"> 122 - Road/Parking Lot 211 - Cropland 622 - Lowland Shrub 710 - Sand, Soil
--	--	---

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

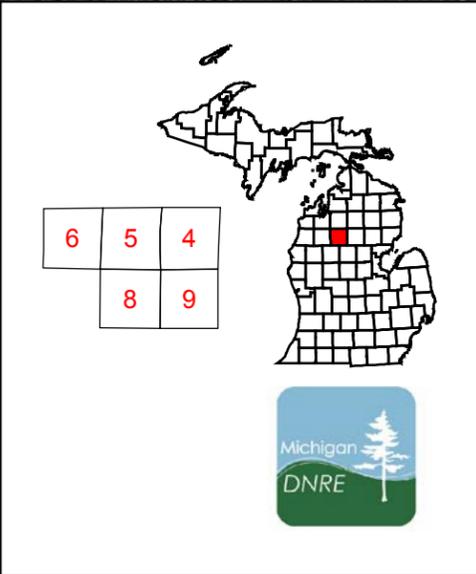


Stand Boundary Map

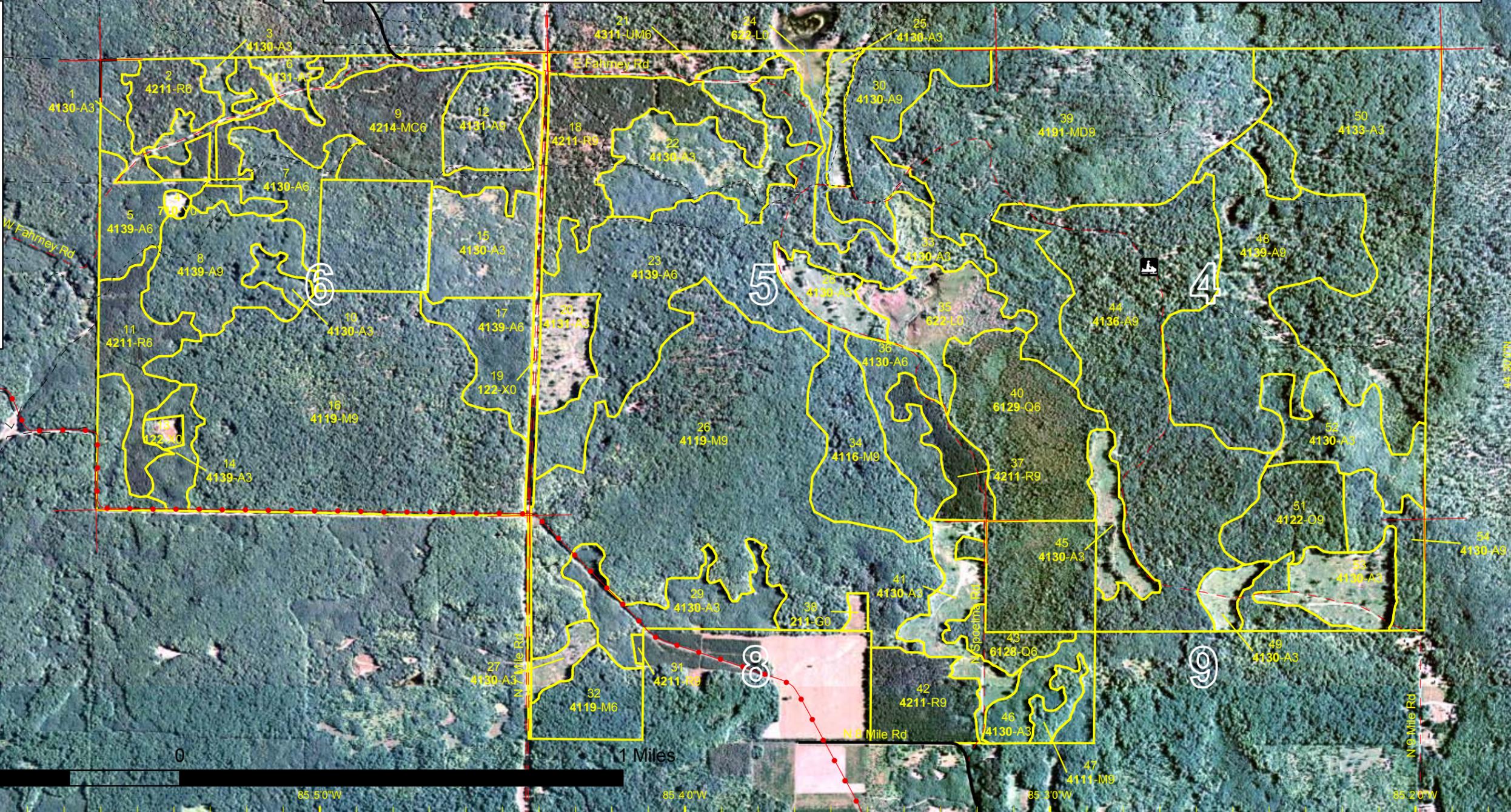
Compartment 87
 T24N, R06W, Sec. 4-6, 8, 9
 County: Missaukee
 Unit: Cadillac
 YOE: 2012
 Acres: 2,383 acres GIS Calculated
 Stand Examiner: James Malloy
 Map Revised: 9/10/2010
 Map Phase: Pre-Review

Legend

- | | | | |
|--------------------------------|---------------------------|---------------------------------|------------------------|
| — Miris Corners | --- Trails | Forest Stands | |
| — Remonumented Section Corners | ORV Routes | Level 3 | Level 3 |
| — Paved Roads | Motorcycle Trails | 411 - Northern Hardwood | 122 - Road/Parking Lot |
| == County Gravel Roads | Snowmobile Trails | 412 - Oak Types | 211 - Cropland |
| - - Poor Dirt Roads | Utility Lines | 413 - Aspen Types | 622 - Lowland Shrub |
| - - County Poor Dirt Roads | Pipe | 419 - Mixed Upland Deciduous | 710 - Sand, Soil |
| | Intermittent Stream/Drain | 421 - Planted Pines | |
| | Stream | 431 - Upland Mixed Forest | |
| | Lakes and Rivers | 612 - Lowland Coniferous Forest | |
| | Stand Boundaries | | |



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



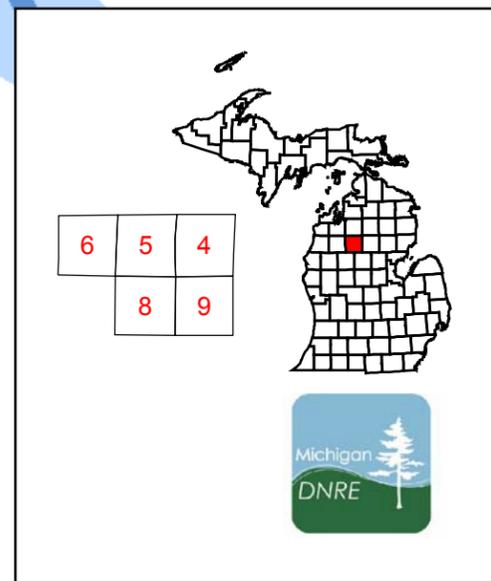
86.60°W 86.50°W 85.40°W 85.30°W 85.20°W

Dedicated & Proposed Special Conservation Area Map

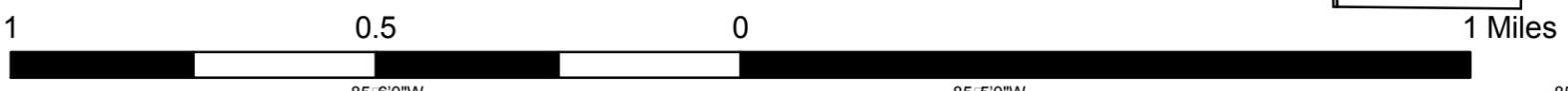
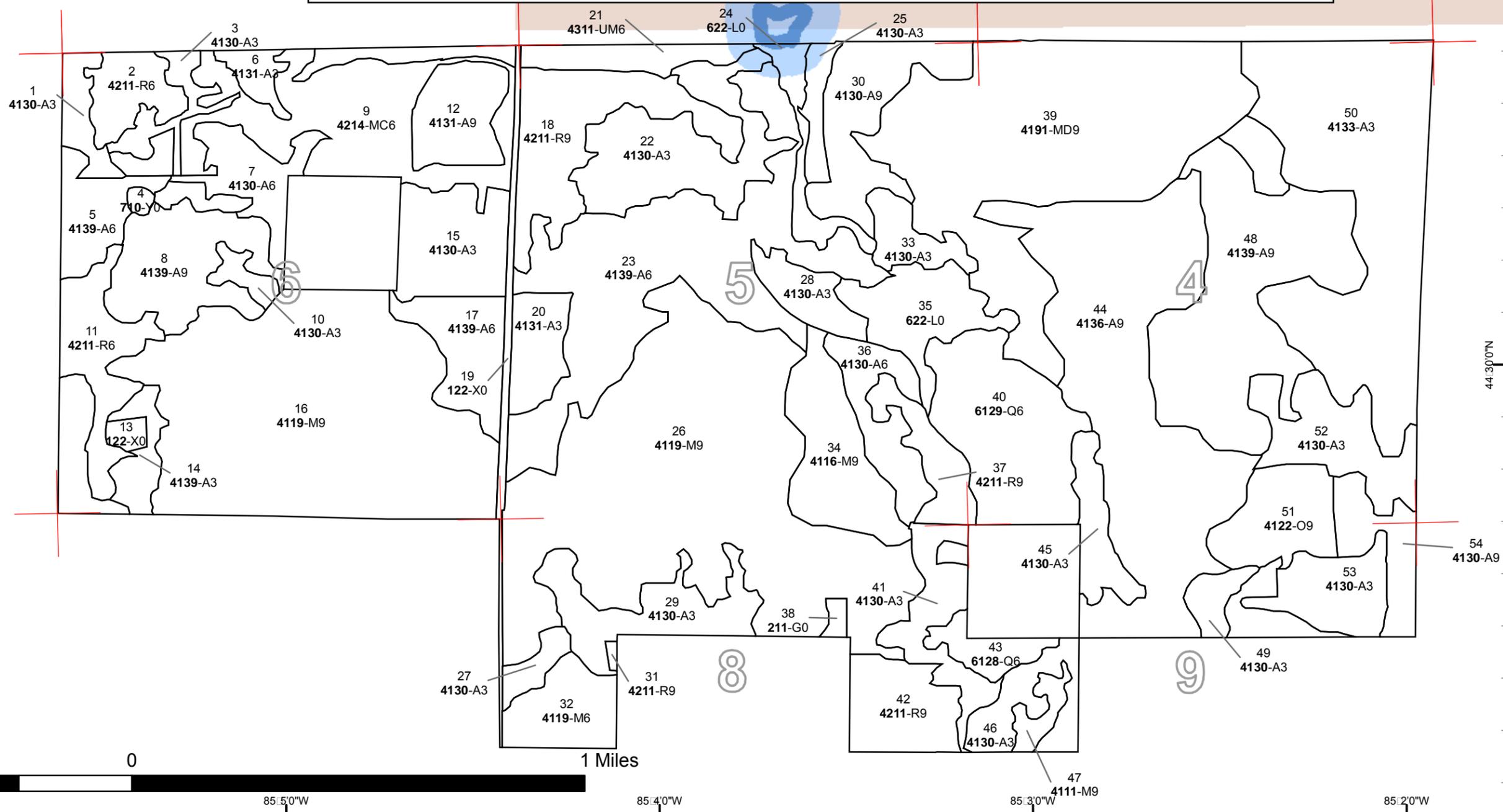
Compartment 87
 T24N, R06W, Sec. 4-6, 8, 9
 County: Missaukee
 Unit: Cadillac
 YOE: 2012
 Acres: 2,383 acres GIS Calculated
 Stand Examiner: James Malloy
 Map Revised: 9/10/2010
 Map Phase: Pre-Review

Legend

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners Proposed Special Conservation Areas ▨ SCA - Special Conservation Area ▨ SCA Removal Dedicated Special Conservation Areas ■ Natural Rivers Vegetative Buffer ■ Natural Rivers Zoning District ■ Research, Development, and Military Lands □ Stand Boundaries | <h3>Forest Stands</h3> <p>Level 3</p> <ul style="list-style-type: none"> 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 431 - Upland Mixed Forest 612 - Lowland Coniferous Forest | <h3>Non-Forest Stands</h3> <p>Level 3</p> <ul style="list-style-type: none"> 122 - Road/Parking Lot 211 - Cropland 622 - Lowland Shrub 710 - Sand, Soil |
|---|--|---|



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



85° 6' 0" W 85° 5' 0" W 85° 4' 0" W 85° 3' 0" W 85° 2' 0" W

44° 31' 0" N

44° 30' 0" N

44° 31' 0" N

44° 30' 0" N

Table 1 – Total Acres by Cover Type and Age Class

Data updated yesterday after 6:00 PM



	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	125	215	0	41	270	235	22	0	0	0	0	0	0	302	1210
Cropland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	14	67	0	0	0	0	81
Lowland Shrub	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189	189
Northern Hardwood	0	0	0	0	0	0	0	43	32	0	252	0	0	0	221	548
Oak	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	31
Planted Mixed Pines	0	0	0	0	0	86	0	0	0	0	0	0	0	0	0	86
Red Pine	0	0	0	0	0	124	30	0	0	0	0	0	0	0	0	154
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Total	67	125	215	0	41	479	266	96	32	14	318	0	0	0	728	2383



Table 2 – Proposed Treatment Summaries

Data updated yesterday after 6:00 PM

Cadillac Mgt. Unit
Year of Entry 2012

Compartment 087
Total Compartment Acres: 2383

Acres by Treatment Type

Commercial Harvest - 437	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	220	115	0	0	0	0	335
Red Pine	30	0	0	0	72	0	102
Total	250	115	0	0	72	0	437

S
t
a
n
d

Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5 63087005-Cut	18.6	4139 - Aspen, Mixed Deciduous	High Density Pole	47	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Final harvest. Leave island for retention NW of trail rd in NW corner of stand.

Specs:

Other

Comments:

Next

Steps:

8 63087008-Cut	46.2	4139 - Aspen, Mixed Deciduous	High Density Log	57	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
----------------	------	-------------------------------	------------------	----	---------	------------------------	------------	-----------------------

Prescription Final harvest aspen and red maple. Leave oak and other hardwood. Allow stand to convert over toime to mix of oak/hardwood with pockets of

Specs: aspen.

Other

Comments:

Next

Steps:

12 63087012-Cut	36.1	4131 - Aspen, Oak	High Density Log	42	Harvest	Group Selection	Oak, Pine	Cmpt. Review Proposal
-----------------	------	-------------------	------------------	----	---------	-----------------	-----------	-----------------------

Prescription Thin pine and oak to a residual BA of 50. Remove all aspen and red maple.

Specs:

Other

Comments:

Next

Steps:

18 63087018-Cut	53.5	42110 - Planted Red Pine	High Density Log	48	Harvest	Low Thinning	Planted Red Pine	Cmpt. Review Proposal
-----------------	------	--------------------------	------------------	----	---------	--------------	------------------	-----------------------

Prescription Thin pine to a BA of 110. Remove all remaining white pine from plantation.

Specs:

Other

Comments:

Next

Steps:

23 63087023-Cut	47.7	4139 - Aspen, Mixed Deciduous	High Density Pole	46	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
-----------------	------	-------------------------------	-------------------	----	---------	----------	-------	-----------------------

Prescription Clearcut stand. Use treatment to break this large stand into smaller portion of various age classes.

Specs:

Other

Treat 1/2 to 1/3 of total stand area (133ac)

Comments:

Next

Treat another 1/3 to 1/2 nest entry

Steps:

30 63087030-Cut	35.1	4130 - Aspen	High Density Log	49	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
-----------------	------	--------------	------------------	----	---------	------------------------	------------	-----------------------

Prescription Final harvest leave all oaks.

Specs:

Other

Only treat portion of stand north of snowtrail.

Comments:

Next

Steps:

S
t
a
n
d

Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37 63087037-Cut	18.9	42110 - Planted Red Pine	High Density Log	49	Harvest	Low Thinning	Planted Red Pine	Cmpt. Review Proposal

Prescription Thin pine to a residual BA of 110Specs:Other Final harvest stand next entryComments:NextSteps:

42 63087042-Cut	29.6	42110 - Planted Red Pine	High Density Log	58	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
-----------------	------	--------------------------	------------------	----	---------	----------	------------------	-----------------------

Prescription Final harvest pine plantation.Specs:Other Stand should be chipped following harvest to allow for replanting.Comments:Next Trench and replant with red pine.Steps:

44 63087044-Cut	78.8	4136 - Aspen, Mixed Conifer	High Density Log	54	Harvest	Group Selection	Aspen, Mixed Conifer	Cmpt. Review Proposal
-----------------	------	-----------------------------	------------------	----	---------	-----------------	----------------------	-----------------------

Prescription Harvest aspen and balsam. mark white pine and maple to leave. target a residual BA 30-40 where pine is present.Specs:Other Treat southern 1/2 of stand to break up large complex.Comments:NextSteps:

48 63087048-Cut	50.5	4139 - Aspen, Mixed Deciduous	High Density Log	51	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
-----------------	------	-------------------------------	------------------	----	---------	------------------------	------------	-----------------------

Prescription Final harvest leave all oaks and cherry.Specs:Other Treat norther 1/2 of stand bust stay south of ORV Trail when running sale boundary line.Comments:NextSteps:

54 63087054-Cut	21.8	4130 - Aspen	High Density Log	63	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
-----------------	------	--------------	------------------	----	---------	------------------------	-------	-----------------------

Prescription Final harvest leave only oak due to private boundary.Specs:Other Survey may be needed to establish private boundary.Comments:NextSteps:

**Total Treatment
Acreage Proposed: 436.9**

S
t
a
n
d

Data updated yesterday after 6:00 PM

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

#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acres Proposed: 0

Data updated yesterday after 6:00 PM

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2012



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

Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

S
t
a
n
d

Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 087
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Sapling	12.1	35		mostly small diameter aspen with scattered pine throughout stand.
2	42110 - Planted Red Pine	High Density Pole	19.1	49	141-170	stand is a mix of red pine and white pine plantation.
3	4130 - Aspen	High Density Sapling	12.4	7		aspen stand surrounded by red pine plantations. cut last entry.
5	4139 - Aspen, Mixed Deciduous	High Density Pole	21.3	47	51-80	pole/log aspen mixed red maple and scattered large white pine
6	4131 - Aspen, Oak	High Density Sapling	8.1	17		stand was cut in previous entry.
7	4130 - Aspen	High Density Pole	23.8	46	51-80	
8	4139 - Aspen, Mixed Deciduous	High Density Log	46.2	57	51-80	
9	42140 - Planted Mixed Pine	High Density Pole	85.6	49	141-170	stand is a mix of red pine and white pine plantation with scattered small aspen clones and oaks.
10	4130 - Aspen	High Density Sapling	6.2	14		
11	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	32.5	49	111-140	plantation red pine with a heavy aspen and maple understory.
12	4131 - Aspen, Oak	High Density Log	36.1	42	51-80	mix of pine aspen and oaks.
14	4139 - Aspen, Mixed Deciduous	High Density Sapling	12.5	41	51-80	small diameter stand.
15	4130 - Aspen	High Density Sapling	36.6	14		Sparce regen in areas
16	4119 - Mixed Northern Hardwoods	High Density Log	220.6	Uneven Age	81-110	cut last entry
17	4139 - Aspen, Mixed Deciduous	High Density Pole	28.5	36	51-80	mix of maple, aspen and beech. some hard maple and ash
18	42110 - Planted Red Pine	High Density Log	53.5	48	171-200	stand is a mix of red pine and white pine plantation.
20	4131 - Aspen, Oak	High Density Sapling	18.9	Uneven Age		Recent Aspen Cut with scattered overstory oaks
21	4311 - Pine, Aspen Mix	High Density Pole	16.7	Uneven Age		

S
t
a
n
d

Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 087

Data updated yesterday after 6:00 PM

Year of Entry: 2012



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4130 - Aspen	High Density Sapling	55.7	14		stand was cut last entry
23	4139 - Aspen, Mixed Deciduous	High Density Pole	133.2	46	81-110	
25	4130 - Aspen	High Density Sapling	9.3	7		Recent Aspen Cut
26	4119 - Mixed Northern Hardwoods	High Density Log	251.7	97	51-80	log oak stand was cut last entry. stand also contains mixed hardwood component.
27	4130 - Aspen	High Density Sapling	7.6	7		Recent Aspen Cut. scattered cherry left during harvest.
28	4130 - Aspen	High Density Sapling	16.0	7		Recent Aspen Cut, residual overstory of oak.
29	4130 - Aspen	High Density Sapling	35.6	14		aspen mixed with red maple. cut last entry.
30	4130 - Aspen	High Density Log	42.9	49	81-110	pole log aspen stand.
31	42110 - Planted Red Pine	High Density Log	0.9	59	141-170	small portion of pine plantation that extends onto private
32	4119 - Mixed Northern Hardwoods	High Density Pole	25.2	78	51-80	looks to have been thinned. lots of beech and ironwood regen. some maple. thin next entry when there are more logs.
33	4130 - Aspen	High Density Sapling	14.6	16		Young aspen mixed with scattered pine
34	4116 - Mixed N. Hardwood - Aspen	High Density Log	42.9	67	51-80	
36	4130 - Aspen	High Density Pole	26.1	Uneven Age	51-80	Younger aspen with a scattering over overstory oaks and pine.
37	42110 - Planted Red Pine	High Density Log	18.9	49	171-200	
39	4191 - Mixed Upland Deciduous with Conifer	High Density Log	189.1	Uneven Age		poor quality oak with multiple aged white pine, maple and young aspen clones.
40	6129 - Mixed Coniferous Lowland Forest	High Density Pole	66.6	92	51-80	
41	4130 - Aspen	High Density Sapling	27.1	7		Recent Aspen Cut
42	42110 - Planted Red Pine	High Density Log	29.6	58	141-170	stand was thinned last entry.

S
t
a
n
d

Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 087

Data updated yesterday after 6:00 PM

Year of Entry: 2012



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	14.1	89		mix of cedar, aspen, maple and spruce/fir.
44	4136 - Aspen, Mixed Conifer	High Density Log	188.8	54		
45	4130 - Aspen	High Density Sapling	17.9	5		Recent Aspen Cut
46	4130 - Aspen	High Density Sapling	21.1	17		
47	4111 - S.Maple, Hard Mast Association	High Density Log	7.1	78	51-80	Small hardwood stand surrounded by aspen clear-cut
48	4139 - Aspen, Mixed Deciduous	High Density Log	109.3	Uneven Age		
49	4130 - Aspen	High Density Sapling	8.7	5		Recent Aspen Cut
50	4133 - Aspen, Mixed Pine	High Density Sapling	147.4	Uneven Age	51-80	stand was cut last entry all aspen was removed. overstory oak, pine, and maple.
51	4122 - Oak, Pine	High Density Log	30.9	69	51-80	Thinned last entry
52	4130 - Aspen	High Density Sapling	37.4	17		
53	4130 - Aspen	High Density Sapling	26.4	5		Recent Aspen Cut
54	4130 - Aspen	High Density Log	21.8	63	51-80	



Stand	Cover Type	Acres	Gen Cmts:
4	710 - Sand, Soil	1.9	former well site. sand and ferns.
13	122 - Road/Parking Lot	3.6	old gas well. poison gas signs posted.
19	122 - Road/Parking Lot	12.3	
24	6220 - Alder/willow	14.4	aspen and tag alder surrounding beaver ponds.
35	6220 - Alder/willow	32.8	
38	2114 - Other Cropland	2.4	open field. looks to be hay or alfalfa



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 yesterday after 6:00 PM

Stand	SCA Type	SCA Name	Acres	Comments



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 yesterday after 6:00 PM

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

Conservation Area	Type	Description
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.