# DNR DNR DNR

## **Compartment Review Presentation**

**Cadillac Forest Management Unit** 

Compartment 6

Entry Year 2015

Acreage: 2,226 County Lake

Management Area: Lake County Outwash

**Revision Date:** 

Stand Examiner: Mike Lesinski

**Legal Description:** 

T19N, R13W Sec. 2 and T20N, R13W Sec. 11, 12, 13, 14, 23, 24, 25, 26, 35

**Identified Planning Goals:** 

Maintain cover type and age class diversity.

Soil and topography:

Graycalm, Rubicon and Grayling sands.

#### Ownership Patterns, Development, and Land Use in and Around the Compartment:

Several large blocks of state-owned lands with other smaller holdings intermingled with private lands and some USFS ownership.

#### **Unique Natural Features:**

Great plains spittlebug, dusted skipper, bigmouth shiner, common loon, bald eagle, wood turtle, hill's thistle, and Missouri rock-cress have been found in this compartment. This compartment has the potential for red-shouldered haw, great heron rookery, hill's thistle, rough fescue, Alleghany plum, and pale agoseris.

#### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

#### **Special Management Designations or Considerations:**

#### **Watershed and Fisheries Considerations:**

There are no Fisheries concerns within this compartment. (M. Tonello, 9/11/2013).

#### Wildlife Habitat Considerations:

This compartment is in the Newaygo Outwash Plain Ecosystem. LTA 5111 makes up most of the compartment. Soils in LTA 5111 are associations of Rubicon-Grayling, Grayling-Graycalm, or Plainfield sands, all of which are excessively drained. In the center of the compartment, about one quarter of the total acreage is classified as LTA 2211. Historically, pre-settlement vegetation was variable, with upland conifers dominating most of the land surface. Most of these conifer forests were dependent upon wildfires for establishment and persistence. Fire prone outwash plains supported oak/pine barrens, pine barrens, and upland prairie along with large expanses of jack pine, red pine/jack pine, and red pine/oak forests. Wildlife objectives are to maintain the conifer cover type diversity, manage for mature forests, and to promote barrens where possible. Featured species of special interest are marten, pileated woodpecker, red-headed woodpecker, deer and turkey. (E. Victory, 8/21/13)

#### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and an end moraine of coarse-textured till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum in other areas of the State. Gravel pits are found in Sections 2 & 26. Gravel potential in the compartment is considered good especially the upland areas. This compartment is located in an area sparsely drilled for oil and gas. The nearest good production is Peacock Field located two miles to the southwest. Peacock Field has produced over 1.6 million BO from the Devonian Traverse Limestone. None of the compartment is currently under lease, but there may be potential in this area. (T. Hoane, 3/6/2013).

#### **Vehicle Access:**

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for closure. These roads were determined to be in excess of the access needs in the area, are a

threat to the resources, or are a concern environmentally.

#### **Survey Needs:**

None.

#### **Recreational Facilities and Opportunities:**

The only recreational facility within this compartment is snowmobile trail #36, which runs along West 7 Mile Rd--a developed gravel county road. (T.M.N. 7-3-13).

#### **Fire Protection:**

The cover type of this compartment is mostly of a conifer type, making some of the compartment subject to a larger crown fire. Access to this compartment is provided by county roads and M-37. Several private parcels inter mix with state holdings, which will make for interesting fire situation on the right day. (B. Tower, 2013).

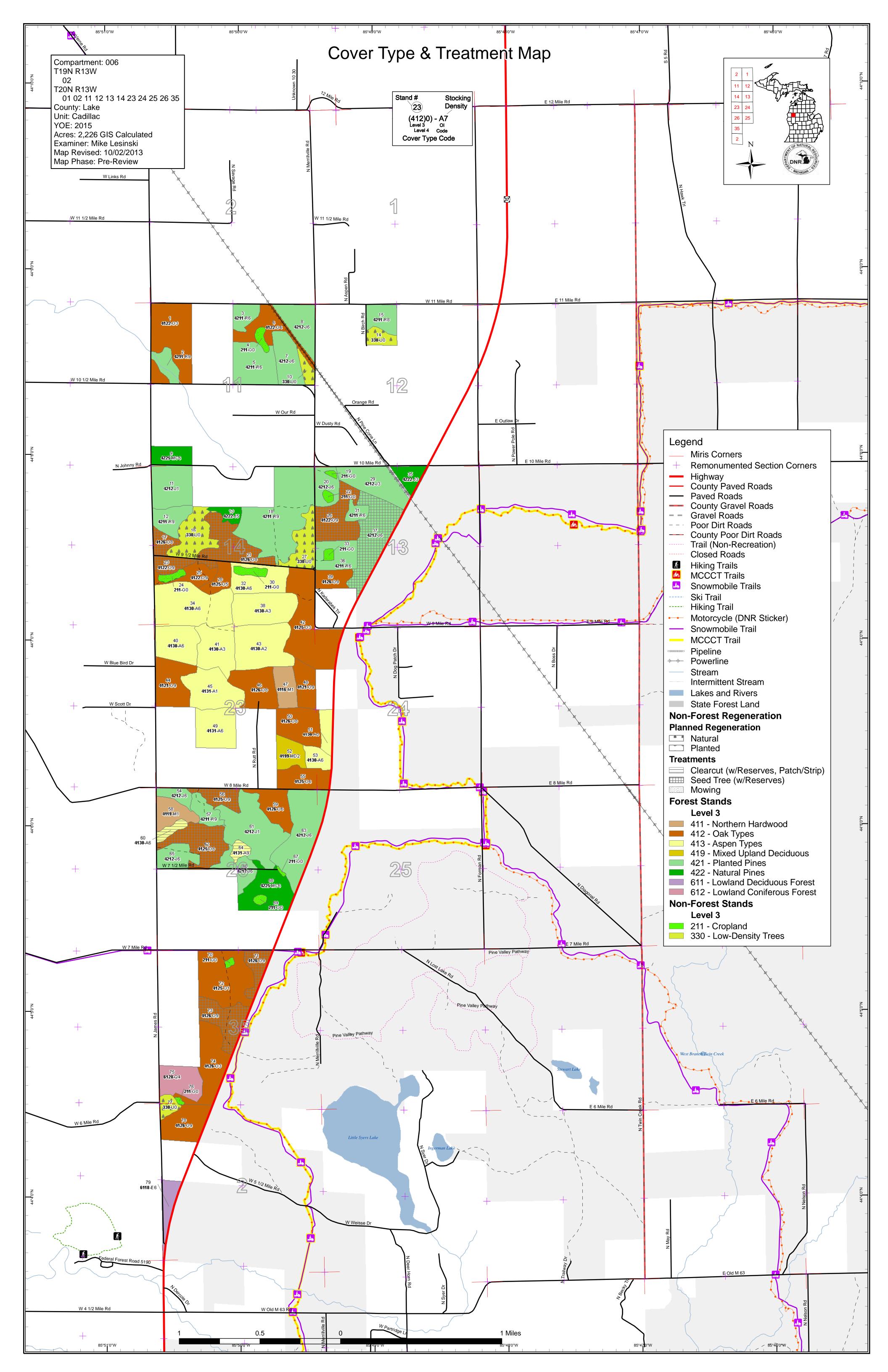
#### **Additional Compartment Information:**

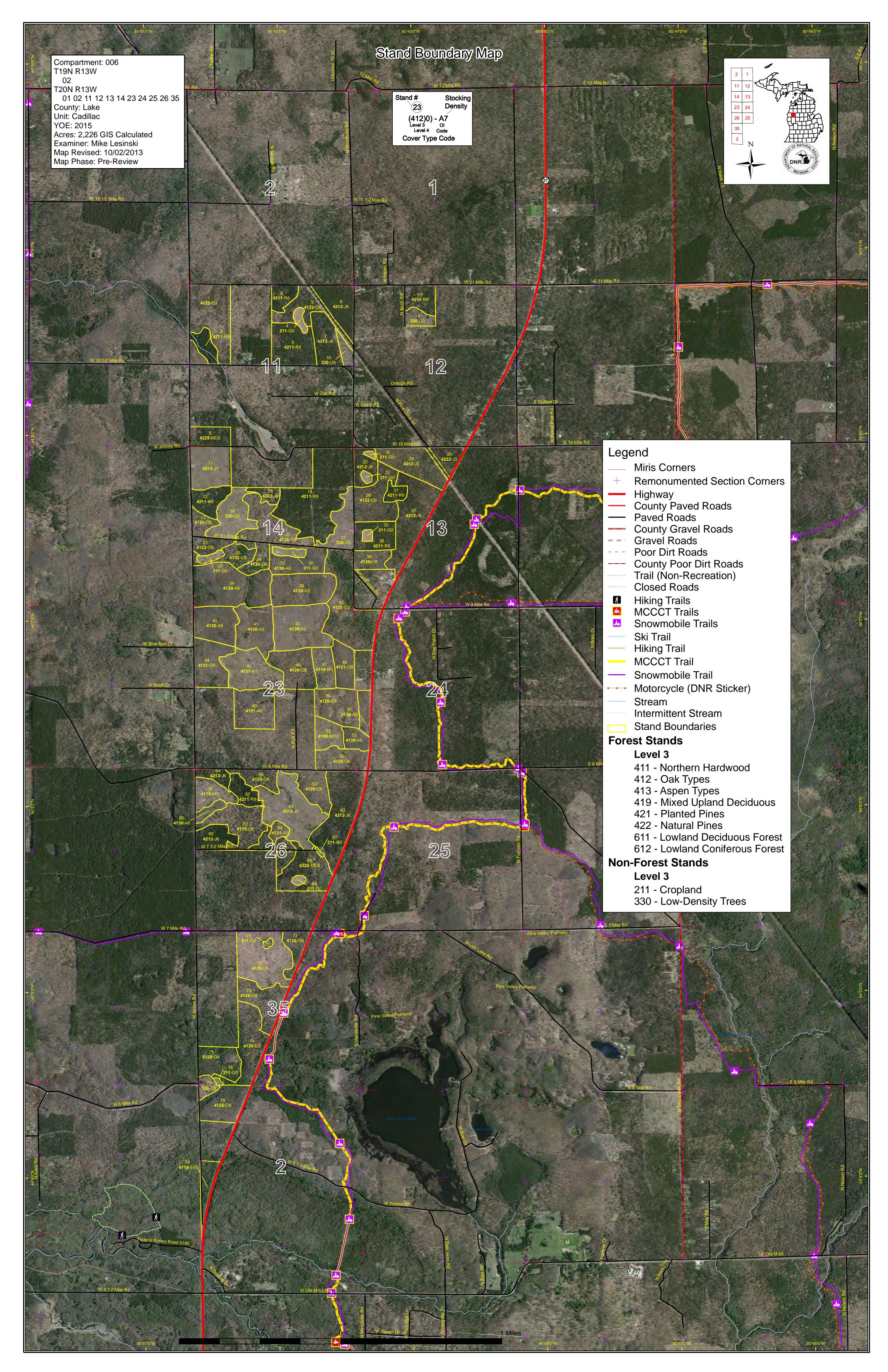
The following reports from the Inventory are attached:

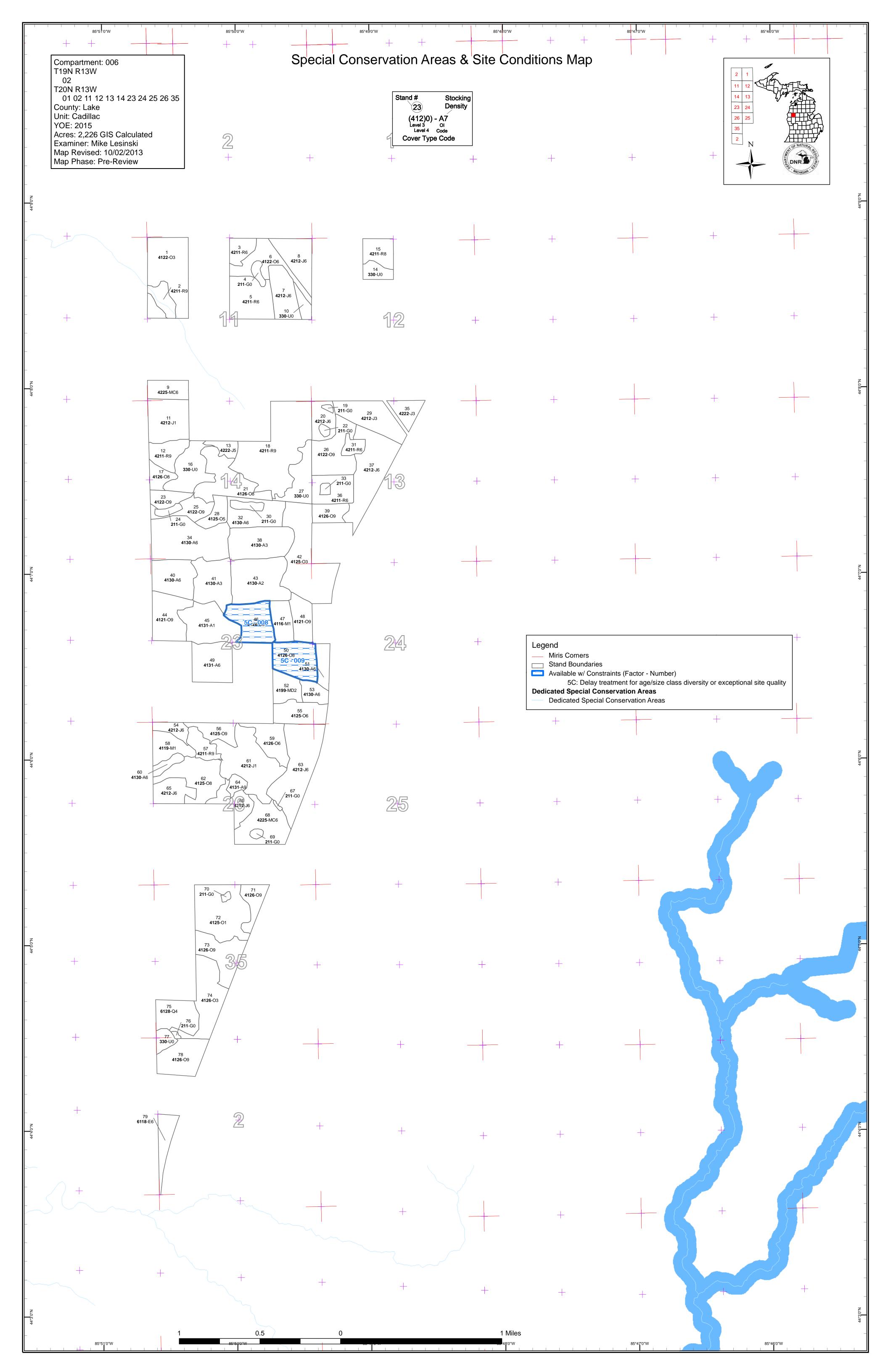
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

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







Michael Lesinski: Examiner

Cadillac Mgt. Unit



Compartment 006 Year of Entry 2015

Age Class New Age 70,709 70,79 10,0 0,00 20.28 . . . . . . <sup>6</sup>0, % × × Aspen Cropland Jack Pine Low-Density Trees **Lowland Conifers** Lowland Deciduous Mixed Upland Deciduous Natural Mixed Pines Northern Hardwood Oak Red Pine 

Total



# **Report 2 – Proposed Treatment Summaries**

Cadillac Mgt. Unit Year of Entry 2015

Compartment 006 Total Compartment Acres: 2,226

### **Acres by Treatment Type**

Commercial Harvest - 311 Tree Planting - 0 Other - 0

Habitat Cut - 0 Opening Maintenance - 29

		Cover Type by Harvest Method							
		/	Contract of	Solido C	LOS S	Stornoo ,	China Ori		, keres
Aspen Types		15	0	0	0	0	0	15	
Oak Types		0	0	231	0	0	0	231	
Planted Pines		0	0	65	0	0	0	65	
	Total	15	0	296	0	0	0	311	

Cadillac Mgt. Unit

# Report 3 -- Treatments Prescribed

Compartment: 006

s t		Oddi	mac mgt. omit	Керс		No Limi	Year of Entry 2015	DNR		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17	63006017-Cut	11.8	4126 - White, Black, N. Pin Oak	Medium Density Log	94	51-80	Harvest	Seed Tree with Reserves	412 - Oak	Cmpt. Review Proposal
Prese Spec	s:		Square Feet. Leave				d de eldere e este			
Othe Com		n: Residua	al stand BA. Accepta	ible Regener	ation: C	ak ( Uplan	a aeciauous mix			
Next Step										
Propo Start I		14								
21	63006021-Cut	48.5	4126 - White, Black, N. Pin Oak	Medium Density Log	91	51-80	Harvest	Seed Tree with Reserves	412 - Oak	Cmpt. Review Proposal
		to 10 to 20	square feet. Leave	a represntati	ve mix o	f species.				
Spec		n: Residua	al BA. Acceptable re	gen: Oak / u	pland m	ixed specie	es.			
Othe Com	<u>r</u> ments:									
Next Step										
Propo Start I		14								
23	63006023-Cut	13.8	4122 - Oak, Pine	High Density Log	83	51-80	Harvest	Seed Tree with Reserves	412 - Oak	Cmpt. Review Proposal
		to 10 to 20	square feet. Leave	a representa	tive mix	of species.				
Spec		n: Residua	al BA. Acceptable re	egen: Oak \ ı	mixed up	oland spee	cies			
Othe Com	<u>r</u> ments:									
Next Steps										
Propo Start I		14								
26	63006026-Cut	42.8	4122 - Oak, Pine	High Density Log	68	51-80	Harvest	Seed Tree with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal

 $\underline{\underline{\mathsf{Prescription}}}$  Harvest to a residual BA of 10 to 20 square feet.  $\underline{\mathsf{Specs:}}$ 

Retention: Residual BA. Acceptable Regen: oak/pine mix.

<u>Other</u>

Comments:

<u>Next</u> Steps:

<u>Proposed</u>

10/01/2014 Start Date:

Report 3 -- Treatments Prescribed Compartment: 006 Cadillac Mgt. Unit Year of Entry 2015 with No Limiting Factor s t а **Treatment** Acres CoverType Size BA **Treatment Treatment Cover Type** Approval n Density Method Objective **Status** d Name Age Range Type 65.1 42121 - Planted Cmpt. Review 63006037-Cut High 56 81-110 Harvest Seed Tree with 4122 - Oak, Pine 37 Jack Pine, Mixed Density Reserves Proposal Deciduous Pole Prescription Harvest to a residual BA of 10 to 20 square feet. Specs: Retention: Residual stand BA. Acceptable regeneration: Oak/pine mix. Leave a visual buffer along M37. **Other** Comments: <u>Next</u> Steps: Proposed Start Date: 10/01/2014 63006056-Cut 17.4 4125 - Black, N. Pin High 86 81-110 Harvest Seed Tree with 412 - Oak Cmpt. Review 56 Proposal Oak Density Log Reserves Prescription Harvet to a residual BA of 10 to 20 square feet. Leave a representative mix of species. Specs: Rention: Residual stand BA. Acceptable regen: Oak/upland deciduous mix. Other Comments: <u>Next</u> Steps: **Proposed** 10/01/2014 Start Date: 60 63006060-Cut 7.7 4130 - Aspen High 52 141-170 Harvest Clearcut with 413 - Aspen Cmpt. Review Density Reserves Proposal Pole Prescription Final harvest. Leave a scattered oak where applicable. Specs: Retention: Residual oak. Acceptable regen: Aspen/mixed upland deciduous species.

Other Comments: Next

Steps:

Proposed

10/01/2014 Start Date:

63006062-Cut 43.4 4125 - Black, N. Pin 93 1-50 Seed Tree with 412 - Oak Cmpt. Review 62 Medium Harvest Proposal Oak Density Log Reserves

Prescription Harvest to a residual BA of 10 to 20 square feet. Leave a representative mix of species.

Specs:

Retention: Residual BA. Acceptable Regen: Oak/mixed upland deciduous species.

Other Comments:

<u>Next</u> Steps:

**Proposed** 

10/01/2014 Start Date:

Compartment: 006 Cadillac Mgt. Unit Report 3 -- Treatments Prescribed Year of Entry 2015 with No Limiting Factor s t а **Treatment** Acres CoverType Size BA **Treatment Treatment Cover Type** Approval n Density Method Objective **Status** d Name Age Range Type High Clearcut with Cmpt. Review 63006064-Cut 4131 - Aspen, Oak 63 111-140 Harvest 413 - Aspen 64 6.9 Density Log Reserves Proposal Prescription Final harvest. Leave a scattered oak where applicable. Specs: Retention: Residual oak. Acceptable regen: Aspen/mixed upland species. Other Comments: Next Steps: **Proposed** 10/01/2014 Start Date: 63006071-Cut 17.5 4126 - White, High 81-110 Harvest Seed Tree with 412 - Oak Cmpt. Review Density Log Black, N. Pin Oak Reserves Proposal Prescription Harvest to a residual BA of 10 to 20 square feet. Leave a representative mix of species. Specs: Retention: residual BA. Acceptable regen: Oak/mixed upland deciduous species. Other Comments: Next Steps: **Proposed** 10/01/2014 Start Date: 63006073-Cut 36.2 4126 - White, High 111-140 Harvest Seed Tree with 412 - Oak Cmpt. Review Black, N. Pin Oak Density Log Reserves Proposal Prescription Harvest to a residual BA of 10 to 20 square feet. Leave a representative mix of species. Specs: Retention: Residual BA. Acceptable regen: Oak/mixed upland deciduous species. Other Comments: <u>Next</u> Steps: **Proposed** 10/01/2014 Start Date: NF 63006004-5.0 2113 - Forage Crops Non-Forest Mowing 31021 - Cool Cmpt. Review Management Season Grass Proposal NonFor Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: <u>Other</u> Comments: <u>Next</u> Steps: **Proposed** Start Date: Unspecified NF 63006019-1.5 2113 - Forage Crops Non-Forest 31021 - Cool Cmpt. Review 19 Mowing

Management

Unspecified

NonFor

Specs:
Other
Comments:
Next
Steps:
Proposed

Start Date:

Prescription Opening maintenance including disking, seeding, mowing and fertilizing

Proposal

Season Grass

Compartment: 006 Cadillac Mgt. Unit Report 3 -- Treatments Prescribed Year of Entry 2015 with No Limiting Factor s t а **Treatment** Acres CoverType Size BA **Treatment Treatment Cover Type** Approval n Method Objective **Status** d Name Density Age Range Type 31021 - Cool Cmpt. Review NF 63006022-2.5 2113 - Forage Crops Non-Forest Mowing 22 NonFor Management Season Grass Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: Other Comments: Next Steps: Proposed Unspecified Start Date: NF 63006024-24 4.7 2113 - Forage Crops Non-Forest Mowing 31021 - Cool Cmpt. Review NonFor Management Season Grass Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: Other Comments: Next Steps: **Proposed** Unspecified Start Date: 30 NF 63006030-6.5 2113 - Forage Crops Non-Forest Mowing 31021 - Cool Cmpt. Review NonFor Management Season Grass Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: Other Comments: Next Steps: **Proposed** Start Date: Unspecified 33 NF 63006033-2.8 2113 - Forage Crops Non-Forest Mowing 31021 - Cool Cmpt. Review Management Season Grass Proposal NonFor Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: Other Comments: <u>Next</u> Steps: **Proposed** Unspecified Start Date: NF 63006067-0.9 2113 - Forage Crops Non-Forest Mowing 31021 - Cool Cmpt. Review Management Season Grass Proposal NonFor Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: <u>Other</u> Comments: <u>Next</u> Steps:

Unspecified

Proposed Start Date:

Compartment: 006 Cadillac Mgt. Unit Report 3 -- Treatments Prescribed Year of Entry 2015 with No Limiting Factor S t а **Treatment** Acres CoverType Size BA **Treatment Treatment Cover Type** Approval n Method Objective Name Density Range **Status** d Age Type NF 63006069-2.6 2113 - Forage Crops Non-Forest 31021 - Cool Cmpt. Review 69 Mowing Management Season Grass NonFor Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: Other Comments: Next Steps: Proposed Start Date: Unspecified NF 63006070-70 1.7 2113 - Forage Crops 31021 - Cool Cmpt. Review Non-Forest Mowing NonFor Management Season Grass Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing Specs: <u>Other</u> Comments: Next Steps: Proposed Unspecified Start Date: 76 NF\_63006076-1.1 2114 - Other Non-Forest Mowing 31021 - Cool Cmpt. Review Cropland Season Grass NonFor Management Proposal Prescription Opening maintenance including disking, seeding, mowing and fertilizing

**Total Treatment** 

Specs:
Other
Comments:
Next
Steps:
Proposed

Start Date:

Acreage Proposed: 340.3

Unspecified

Cadillac Mgt. Unit Report 4 -- Treatments Prescribed with Compartment: 006 a Limiting Factor s Year of Entry 2015 t **Treatment** Acres CoverType Size Stand ВА **Treatment Treatment Cover Type Approval** n Method Objective Status Name Density Age Range Type #Type! #Type! **Prescription** Specs: Other Comment: **Next** Steps: <u>Proposed</u>

**Total Treatment** 

Start Date: # Limiting Factor

#Type!

Acreage Proposed: 0.0

# **Report 5 – Site Conditions**

Compartment 006

Cadillac Mgt. Unit

Mike Lesinski : Examiner Year of Entry 2015

Avail	ability for l	Management				
Total	Acres	Acres		Domina	nt Site	Conditions
Acres	Available	Not Available		No	5C	
418	418		Aspen	418		
447	447		Jack Pine	447		
31	31		Lowland Conifers	31		
19	19		Lowland Deciduous	19		
19	19		Mixed Upland Deciduous	19		
62	62		Natural Mixed Pines	62		
43	43		Northern Hardwood	43		
794	794		Oak	720	74	
271	271		Red Pine	271		
2,104	2,104		Total Forested Acres	2,030	74	
	100%		Relative Percent			•

\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37				
Co	omments:						
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37				
C	omments:						

Cadillac Mgt. Unit Compartment: 006

Year of Entry: 2015



#### Report 6 - 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Cadillac Mgt. Unit Compartment: 006
Year of Entry 2015

# Report 7 – 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.

Conservation Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area					
SCA	Archaeological Site	n aquatic or terrestrial area of the State that contains physical remains of human occupation. These are ites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes ottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in his compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.						
SCA Cold Water Stream		A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.						

S	Cadillac Mgt. Unit			Report 8	<ul><li>Forested</li></ul>	Stands Compartment: 006 Year of Entry: 2015
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4122 - Oak, Pine	High Density Sapling	67.0	16		Small pocket of older timber at north end of stand.
2	42110 - Planted Red Pine	High Density Log	14.1	47	111-140	Thinned 2008. Crown filling back in.
3	42110 - Planted Red Pine	High Density Pole	14.0	29	81-110	Stand is variable in species, diameter, and stocking.
5	42110 - Planted Red Pine	High Density Pole	42.7	33	81-110	
6	4122 - Oak, Pine	High Density Pole	30.4	34	1-50	Young oak.
7	42120 - Planted Jack Pine	High Density Pole	30.7	36	81-110	Variable in size and density.
8	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	32.2	25	1-50	
9	42250 - Pine, Oak	High Density Pole	19.0	43	81-110	Variable BA. Open area to north filling in. Small strip of oak along James Rd.
11	42121 - Planted Jack Pine, Mixed Deciduous	Low Density Sapling	42.1	5		CC last YOE. Replanted to jack pine.
12	42110 - Planted Red Pine	High Density Log	20.9	53	111-140	Stand thinned 2008.
13	42220 - Natural Jack Pine	Medium Density Pole	9.1	28	1-50	Former "G" type. Highly scattered oak that is filling in with jack pine.
15	42110 - Planted Red Pine	Medium Density Log	19.6	51	51-80	Heavily thinned 2008. Canopy still open.
17	4126 - White, Black, N. Pin Oak	Medium Density Log	11.8	94	51-80	Stand previously thinned. Pockets of oak decline.
18	42110 - Planted Red Pine	High Density Log	109.2	49	81-110	Thinned 2008. Canopy not fully closed.
20	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	18.0	45	51-80	
21	4126 - White, Black, N. Pin Oak	Medium Density Log	48.5	91	51-80	Previously thinned stand. Little regen. Poorer quality site. Pockets of oak decline.
23	4122 - Oak, Pine	High Density Log	13.8	83	51-80	
25	4122 - Oak, Pine	High Density Log	17.7	73	81-110	Mixed stand. Variable BA and species mix.

S t	Cadillac	Cadillac Mgt. Unit			– Forested	Stands Compartment: 006 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4122 - Oak, Pine	High Density Log	42.8	68	51-80	Oak decline present.
28	4125 - Black, N. Pin Oak	Medium Density Pole	14.1	25	1-50	Poorer quality stand. Oak clumps.
29	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	41.6	16	1-50	
31	42110 - Planted Red Pine	High Density Pole	8.5	36	111-140	Small stand.
32	4130 - Aspen	High Density Pole	32.6	37	111-140	
34	4130 - Aspen	High Density Pole	74.0	27	51-80	Pole sized aspen with red maple clumps.
35	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	15.0	17		Seedtree 1996. Variable age and density.
36	42110 - Planted Red Pine	High Density Pole	26.7	27	51-80	
37	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	65.1	56	81-110	Variable stand. Some areas higher to oak. Oak decline present.
38	4130 - Aspen	High Density Sapling	48.0	17	1-50	Just below pole size.
39	4126 - White, Black, N. Pin Oak	High Density Log	15.8	76	81-110	Poor quality site.
40	4130 - Aspen	High Density Pole	36.7	43	81-110	Not ready for harvest.
41	4130 - Aspen	High Density Sapling	41.2	17		
42	4125 - Black, N. Pin Oak	High Density Sapling	80.6	15		Oak seedtree 1998. Some scattered overstory oak.
43	4130 - Aspen	Medium Density	59.1	4		Final harvest 2009.
44	4121 - Oak, Aspen	High Density Log	37.8	68	81-110	South part of stand contains some older oak. More aspen to the north.
45	4131 - Aspen, Oak	Low Density Sapling	46.0	4		Final Harvest 2009.
46	4126 - White, Black, N. Pin Oak	Medium Density Log	37.3	84	1-50	Stand had a shelterwood harvest in 1995. Gaps filling in with clump red maple. Stand is surrounded by young aspen regen.

s t	Cadillac Mgt. Unit			Report 8	– Forested	Stands Compartment: 006 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4116 - Mixed N. Hardwood - Aspen	Low Density Sapling	20.5	4		
48	4121 - Oak, Aspen	High Density Log	22.1	73	81-110	
49	4131 - Aspen, Oak	High Density Pole	39.1	35	51-80	Variable stand composition. Some pockets heavy to aspen, while some are heavy to oak/maple.
50	4126 - White, Black, N. Pin Oak	Medium Density Log	37.0	78	1-50	Approximately 50% of stand was CC as patch cuts in 2009. Regen is mixed deciduous saplings.
51	4130 - Aspen	High Density Pole	13.6	27	51-80	
52	4199 - Other Mixed Upland Deciduous	Medium Density	19.2	4		Final harvest 2009.
53	4130 - Aspen	High Density Pole	13.1	27	81-110	Decent quality pole stand.
54	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	10.7	26	51-80	
55	4125 - Black, N. Pin Oak	High Density Pole	28.3	48	1-50	
56	4125 - Black, N. Pin Oak	High Density Log	17.4	86	81-110	Stand thinned 1974. Poor quality older oak. Stand has some pockets of oak decline. Variable age and diameter.
57	42110 - Planted Red Pine	High Density Log	15.7	52	81-110	Thinned 2008.
58	4119 - Mixed Northern Hardwoods	Low Density Sapling	22.0	2		Final harvest 2011. Scattered overstory oak.
59	4126 - White, Black, N. Pin Oak	High Density Pole	26.6	66	81-110	Stand thinned several years ago. Poorer quality oak, but does not show signs of decline.
60	4130 - Aspen	High Density Pole	7.7	52	141-170	Small stand. Decent quality.
61	42121 - Planted Jack Pine, Mixed Deciduous	Low Density Sapling	67.8	5		Final harvest 2008. Replanted to jack pine.
62	4125 - Black, N. Pin Oak	Medium Density Log	43.4	93	1-50	Stand has pockets of oak decline. Variable BA in stand.
63	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	72.9	37	51-80	Some areas have a high percentage of oak.
64	4131 - Aspen, Oak	High Density Log	6.9	63	111-140	Small stand. Older aspen.

s t	Cadillac	: Mgt. Unit		Report 8	<ul><li>Forested</li></ul>	Stands	Compartment: 006 Year of Entry: 2015	DNR DNR
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	MICHIGAN 'S
65	42120 - Planted Jack Pine	High Density Pole	21.7	48	141-170	Mixed jack and red pine	to the north. Jack pine t	o the south.
66	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	20.7	43	81-110	Variable age and diame	eter. Some areas very he	eavy to oak.
68	42250 - Pine, Oak	High Density Pole	42.8	37	51-80		er, and age classes. Sta ak and some scattered as	
71	4126 - White, Black, N. Pin Oak	High Density Log	17.5	91	81-110	Some pockets of oak de	cline. Variable density a	nd diameter.
72	4125 - Black, N. Pin Oak	Low Density Sapling	63.9	2		S	eedtree 2011.	
73	4126 - White, Black, N. Pin Oak	High Density Log	36.2	91	111-140	Older oak. Has	some pockets of oak decl	ine.
74	4126 - White, Black, N. Pin Oak	High Density Sapling	48.3	26	1-50	Some so	attered overstory oak.	
75	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	31.1	68	1-50			

4126 - White, Black, N.

Pin Oak

6118 - Lowland

Deciduous with Cedar

78

79

High Density

Log

High Density Pole 36.3

18.9

64

62

111-140

111-140

Creek through stand. No signs of oak decline.

Lowland. EAB present in ash component.

Cadillac Mgt. Unit

# Report 9 - Nonforested Stands

Compartment: 006 Year of Entry: 2015



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	2113 - Forage Crops	5.0	Yes	High	Cultivated wildlife opening.
10	3301 - Low Density Deciduous Tree	7.8	Natural Regen	Oak	Harvested 2008.
14	3301 - Low Density Deciduous Tree	11.0	Natural Regen	Oak	Harvested 2008.
16	3301 - Low Density Deciduous Tree	35.8	Natural Regen	Oak	Harvested in 2008.
19	2113 - Forage Crops	1.5	Yes	High	Cultivated wildlife opening.
22	2113 - Forage Crops	2.5	Yes	High	Cultivated wildlife opening.
24	2113 - Forage Crops	4.7	Yes	High	Cultivated wildlife opening.
27	3301 - Low Density Deciduous Tree	28.8	Natural Regen	Oak	
30	2113 - Forage Crops	6.5	Yes	High	Cultivated wildlife opening.
33	2113 - Forage Crops	2.8	Yes	High	Cultivated wildlife opening.
67	2113 - Forage Crops	0.9	Yes	High	Cultivated wildlife opening.
69	2113 - Forage Crops	2.6	Yes	High	Cultivated wildlife opening.
70	2113 - Forage Crops	1.7	Yes	High	Cultivated wildlife opening.
76	2114 - Other Cropland	1.1	Yes	High	Cultivated wildlife opening.
77	3301 - Low Density Deciduous Tree	8.7	Natural Regen	Unspecified	Harvested 2011.