

# CADILLAC FOREST MANAGEMENT UNIT



## COMPARTMENT REVIEW PRESENTATION

### COMPARTMENT # 017 ENTRY YEAR: 2012

**Compartment Acreage (GIS Acres): 1742 County: Lake**

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**Revision Date: 10/11/2010 10:35 AM**

**Stand Examiner:** Cheryl Nelson, Forester

**Legal Description:** T18N R12W Sections 6 & 7. T19N R12W Section 31.

**RMU (if applicable):** 306 (also includes compartments 12 and 13).

**Management Goals:** This RMU will be managed for mixed use.

**Soil and Topography:** Mostly Grayling & Graycalm sands. Sandy and well-drained.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** A large block of state-ownership with scattered private holdings. There are some residences in the RMU.

The following parcels are recommended for acquisition if they become available for sale:  
T19N R12W Section 21, N1/2SW and NESE; Those private lands in T18N R12W Section 7, E1/2NE.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** The Michigan Natural Features Inventory lists a Great Blue Heron rookery, E. Common Loon, E. Massasauga, Box turtle, Wood turtle, Hill's thistle, Pine barrens, and Oak-Pine barrens as having occurred in this compartment. This compartment has the potential for the Dusted skipper, Grizzled skipper, red-legged spittle bug, Hill's thistle, rough fescue, Alleghany plum, and pale agoseris.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** None known.

**Special Management Designations or Considerations:** None Known.

**Watershed and Fisheries Considerations:** **FISHERIES COMMENTS**

**Wildlife Habitat Considerations:** Priority wildlife species are those associated with early and mid-serial mesic forests, particularly deer and turkey. Wildlife habitat objectives are to continue to manage for high structural diversity within stands and age class diversity across the compartment. (L. Smith, 6/1/10)

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured end moraine deposits in the northwest corner. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Bayport Limestone. The Michigan is used for gypsum and the Bayport is used for stone. The nearest gravel pit is two miles to the west and potential is considered to be good, especially the northwest corner. The nearest oil and gas production is Peacock Field located six miles

to the northwest. Peacock Field has produced over 1.6 million BO from the Devonian Traverse Limestone. None of the compartment is currently under lease.

**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 abandonment. 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. Proposed new roads or roads recommended for substantial improvement are noted below:

**Survey Needs:** All of the internal private land corners in sections 7 and 31.

**Recreational Facilities and Opportunities:** This area is used heavily for hunting and camping. The Little Manistee Motorcycle Trail and Route occur within this compartment and are heavily used. Snowmobiling and berry and mushroom picking are known to occur in this compartment.

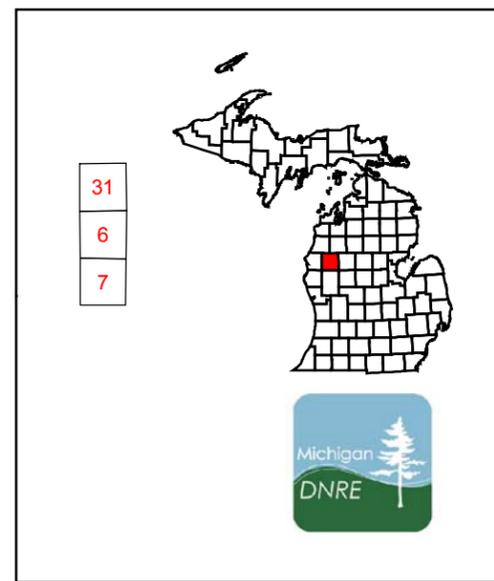
**Fire Protection:** Much of this compartment has the potential to support crown, or stand replacement fires. The private parcels in the compartment, although few, are an urban interface concern. Access for wildfire suppression equipment would be fairly good in most of the compartment. 10-4-10/BRA

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

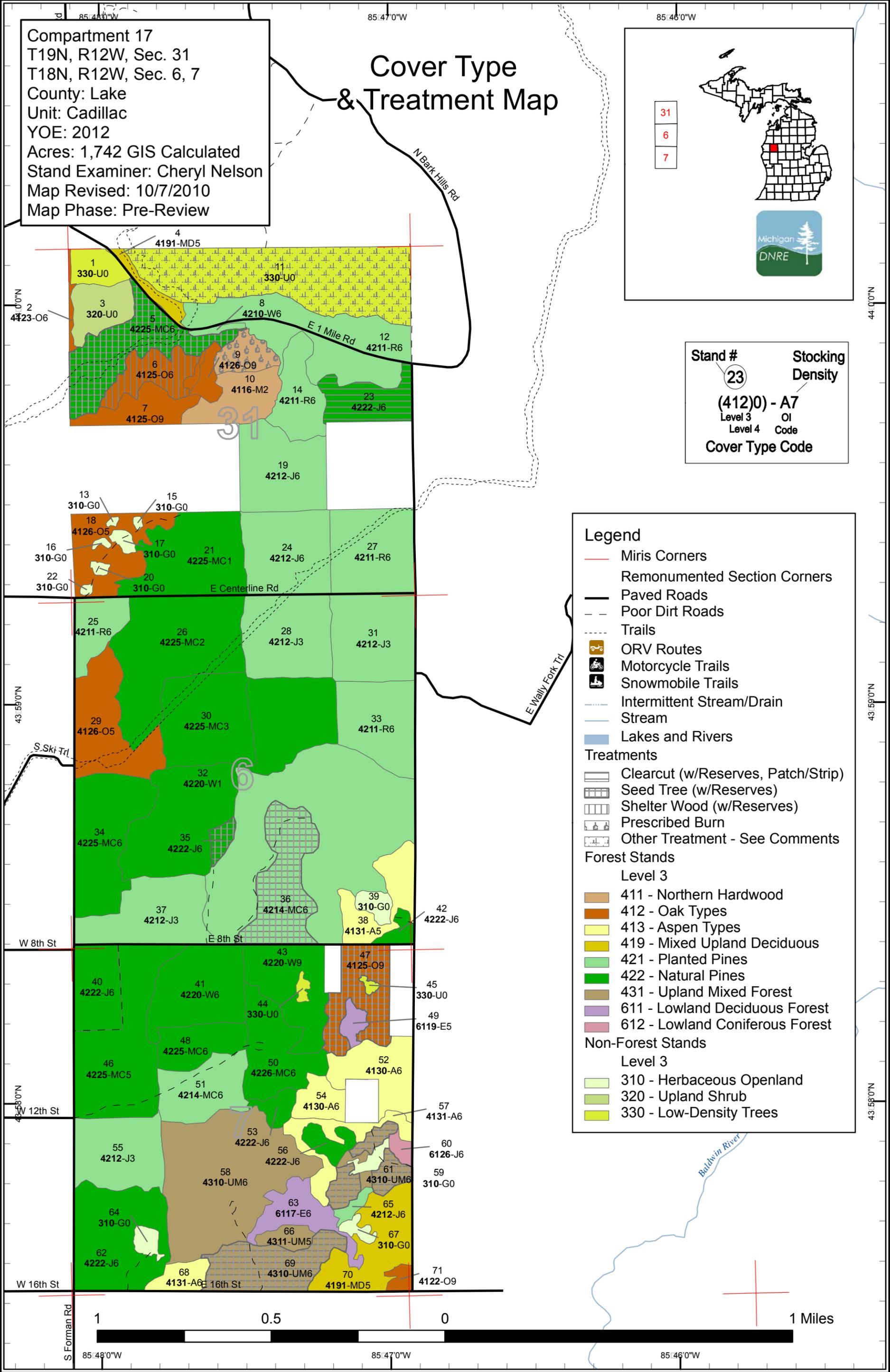
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  
- **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**

Compartment 17  
 T19N, R12W, Sec. 31  
 T18N, R12W, Sec. 6, 7  
 County: Lake  
 Unit: Cadillac  
 YOE: 2012  
 Acres: 1,742 GIS Calculated  
 Stand Examiner: Cheryl Nelson  
 Map Revised: 10/7/2010  
 Map Phase: Pre-Review

# Cover Type & Treatment Map



**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
- ORV Routes
- Motorcycle Trails
- Snowmobile Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Prescribed Burn
- Other Treatment - See Comments

### Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

### Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees



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# Stand Boundary Map

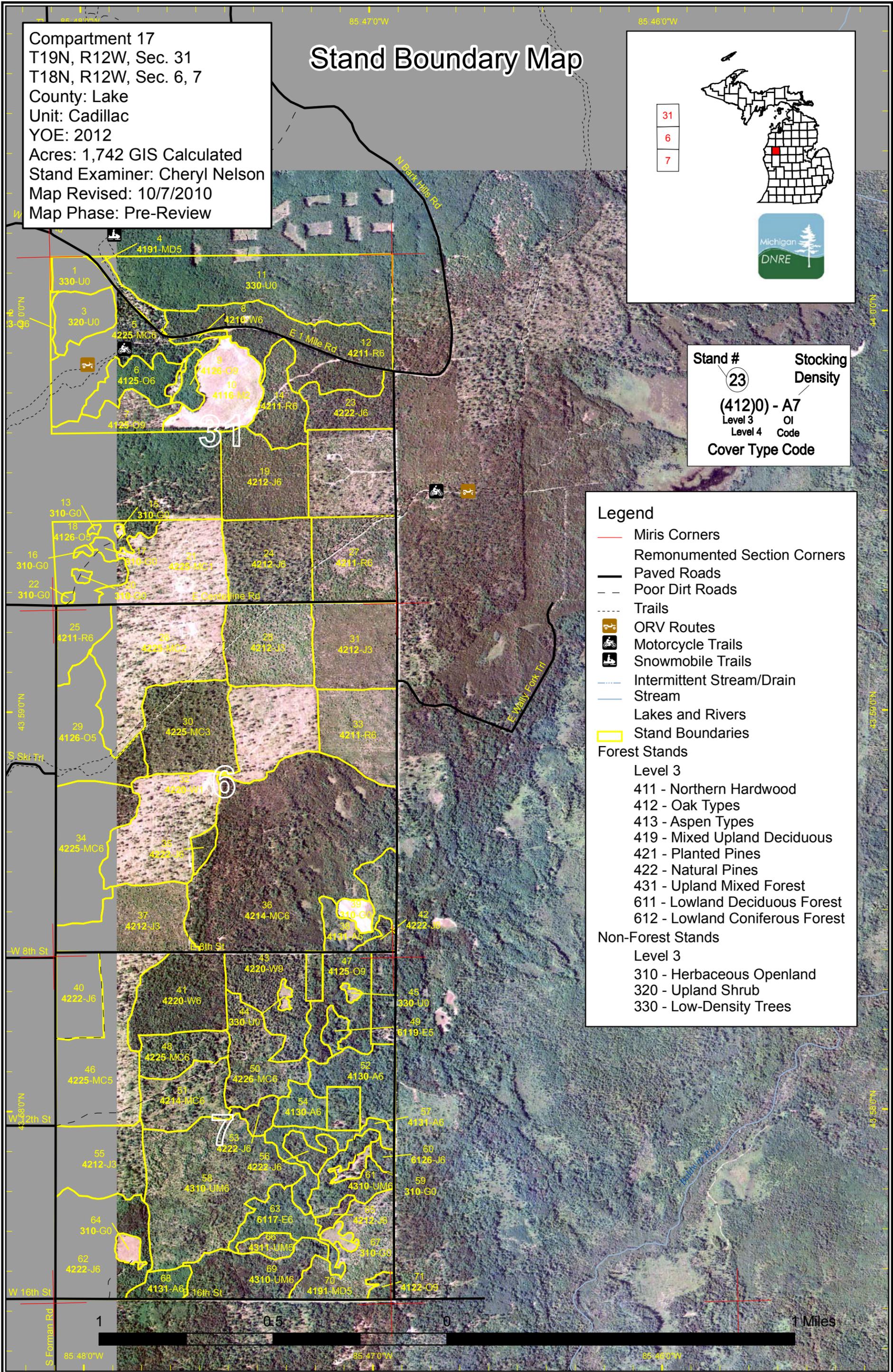
31  
6  
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 23  
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 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

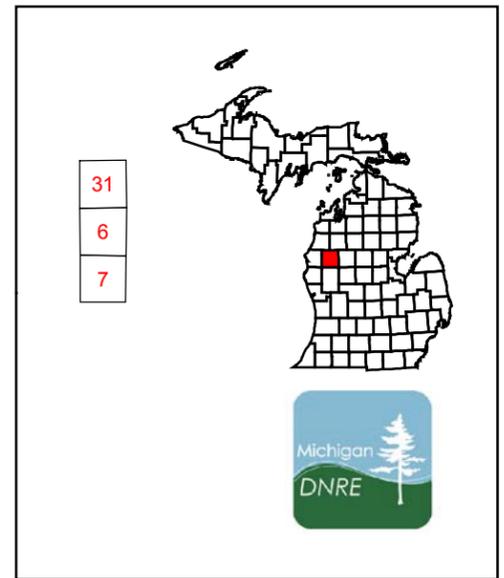
## Legend

- Miris Corners
  - Remonumented Section Corners
  - Paved Roads
  - Poor Dirt Roads
  - Trails
  - ORV Routes
  - Motorcycle Trails
  - Snowmobile Trails
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
  - Stand Boundaries
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# 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
- Proposed Special Conservation Areas
  - SCA - Special Conservation Area
  - SCA Removal
- Dedicated Special Conservation Areas
- Cold Water Streams
- Natural Rivers Zoning District
- Natural Rivers Vegetative Buffer
- Stand Boundaries

**Forest Stands**

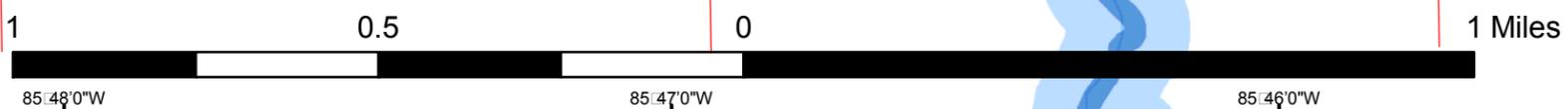
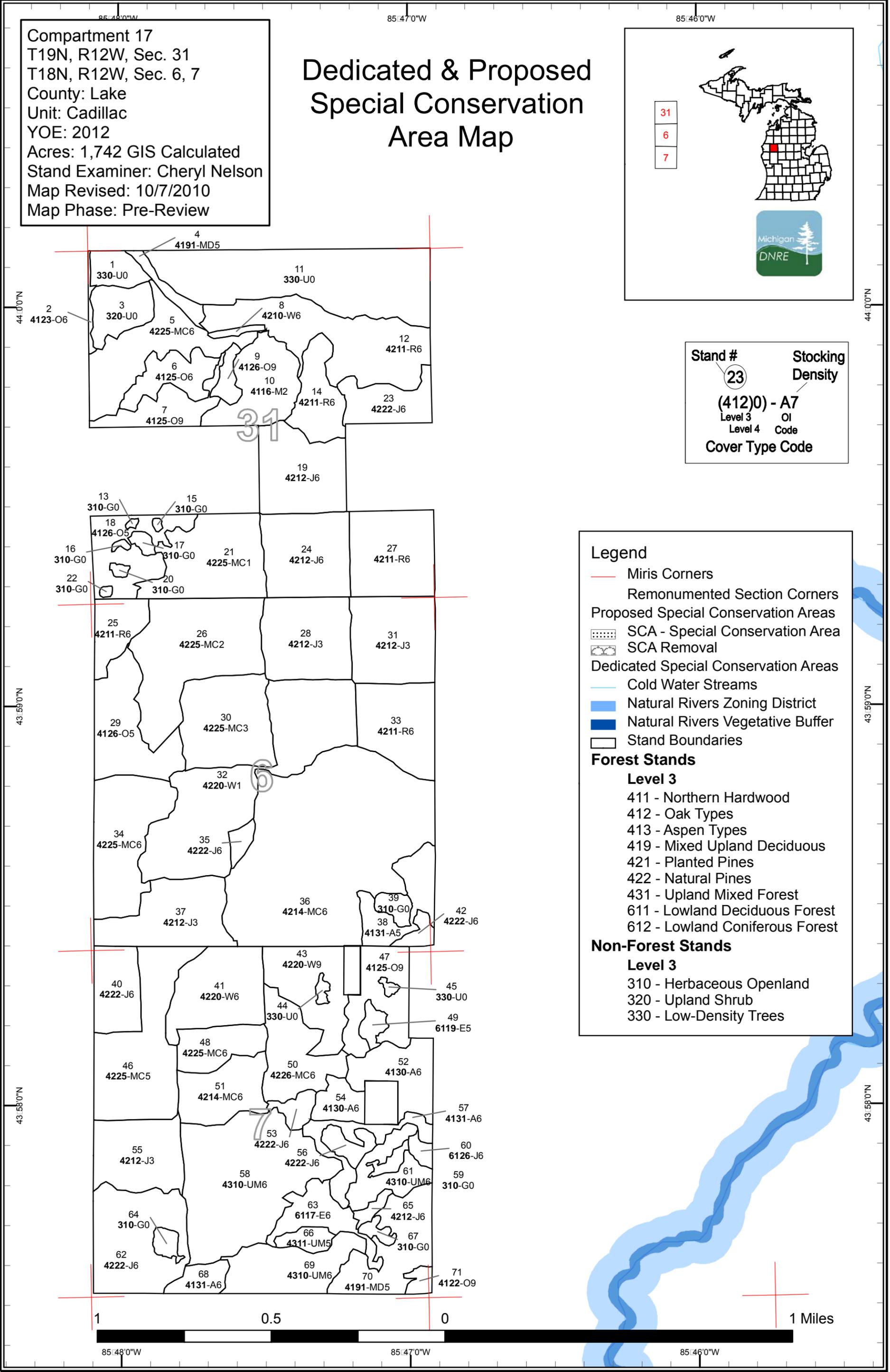
**Level 3**

- 411 - Northern Hardwood
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**Non-Forest Stands**

**Level 3**

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**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	0	0	18	38	19	0	0	0	0	0	0	0	0	0	75
Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Jack Pine	0	0	186	40	81	6	0	4	19	0	0	0	0	0	0	336
Low-Density Trees	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Lowland Deciduous	0	0	0	17	0	4	0	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	32	0	6	0	0	0	0	0	0	0	0	0	38
Natural Mixed Pines	0	165	42	30	44	55	0	0	0	0	0	0	0	0	0	336
Northern Hardwood	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Oak	0	0	0	0	0	0	0	0	62	65	5	0	0	0	0	131
Planted Mixed Pines	0	0	26	0	159	0	0	0	0	0	0	0	0	0	0	185
Red Pine	0	0	34	59	15	58	0	0	0	0	0	0	0	0	0	166
Upland Mixed Forest	0	0	0	88	0	0	0	30	0	17	0	0	0	0	0	136
Upland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	87	33	37	0	0	0	0	0	0	0	0	158
<b>Total</b>	<b>131</b>	<b>194</b>	<b>288</b>	<b>285</b>	<b>424</b>	<b>181</b>	<b>37</b>	<b>34</b>	<b>81</b>	<b>82</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1742</b>



## Table 2 – Proposed Treatment Summaries

Data updated yesterday after 6:00 PM

Cadillac Mgt. Unit  
Year of Entry 2012

Compartment 017  
Total Compartment Acres: 1742

### Acres by Treatment Type

Commercial Harvest - 185	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 10	Other - 84
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
Jack Pine	19	0	4	0	0	0	23
Natural Mixed Pines	0	0	38	0	0	0	38
Oak	0	0	26	17	0	0	42
Planted Mixed Pines	0	0	37	0	0	0	37
Upland Mixed Forest	0	0	45	0	0	0	45
<b>Total</b>	<b>19</b>	<b>0</b>	<b>149</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>185</b>

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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
<b>5 63017005-Cut</b>	37.8	42250 - Pine, Oak	High Density Pole	48	Harvest	Seed Tree	Pine, Oak	Cmpt. Review Proposal
<u>Prescription</u> Cut all jack pine. Mark to thin leaving a mix of pine and oak to an average of 20-30 BA.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Regen survey.								
<b>6 63017006-Cut</b>	16.6	4125 - Black, N. Pin Oak	High Density Pole	80	Harvest	Shelterwood	Other Mixed Upland Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees except, leave oak averaging 50-60 BA.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
<b>23 63017023-Cut</b>	19.2	42220 - Natural Jack Pine	High Density Pole	70	Harvest	Clearcut with Reserves	Natural Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Final harvest. Do not cut any oak. Protect oak regen with cutting spec.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Regen survey.								
<b>35 63017035-Cut</b>	3.8	42220 - Natural Jack Pine	High Density Pole	66	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all jack pine, leave all oak.								
<u>Specs:</u>								
<u>Other Comments:</u> Jack pine is falling apart.								
<u>Next Steps:</u> Regen survey.								
<b>36 63017036-Cut_small</b>	36.8	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	38	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all jack pine, leave all oak. Mark good quality red pine to leave averaging 10 BA.								
<u>Specs:</u>								
<u>Other Comments:</u> Stand scriefed and seeded in 1972. Diameters vary throughout stand, pockets of larger diameter pine and oak mixed with pockets of smaller diameters. Possibly break stand up and treat a portion at this time.								
<u>Next Steps:</u> If areas are cut, regen survey will be needed.								

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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
47 63017047-Cut	25.6	4125 - Black, N. Pin Oak	High Density Log	81	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal

Prescription Cut all species. Mark to leave oak averaging 30-40 BA.

Specs:

Other Aspen that can't be cut commercially will be habitat cut.

Comments:

Next Regen survey.

Steps:

61 63017061-Cut	5.5	4310 - Pine, Oak Mix	High Density Pole	80	Harvest	Seed Tree	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all jack pine and white pine. Cut oak under 8" dbh. Leave areas for wildlife travel corridors between wildlife opening (stand 59), and stands

Specs: 56 and 65.

Other

Comments:

Next Regen survey.

Steps:

61 63017061-Cut_small	5.8	4310 - Pine, Oak Mix	High Density Pole	80	Harvest	Seed Tree	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all jack pine and white pine. Cut oak under 8" dbh. Leave areas for wildlife travel corridors between wildlife opening (stand 59), and stands

Specs: 56 and 65.

Other

Comments:

Next Regen survey.

Steps:

61 63017061-Cut_small_1	3.7	4310 - Pine, Oak Mix	High Density Pole	80	Harvest	Seed Tree	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all jack pine and white pine. Cut oak under 8" dbh. Leave areas for wildlife travel corridors between wildlife opening (stand 59), and stands

Specs: 56 and 65.

Other

Comments:

Next Regen survey.

Steps:

69 63017069-Cut	29.8	4310 - Pine, Oak Mix	High Density Pole	65	Harvest	Seed Tree with Reserves	Pine, Oak	Cmpt. Review Proposal
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Prescription Clearcut in aspen zones. Mark islands of jack pine for seed source to 30 BA. Mark oak to leave averaging 30-40 BA.

Specs:

Other

Comments:

Next Regen survey.

Steps:

10 63017010-Burn	10.0	4116 - Mixed N. Hardwood - Aspen	Medium Density Saplin	5	Prescribed Burn	Unspecified	Mixed Oak	Cmpt. Review Proposal
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Prescription

Specs:

Other Treatment objective is to set back red maple as well as stimulate oak seedling growth. Treat approximately 1/3 of stand acreage.

Comments:

Next Regen survey.

Steps:

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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
11	63017011-Trench	83.6	Non-Forested		0	Other	Unspecified	Mixed Oak	Cmpt. Review Proposal

Prescription: Scarity/trench  
Specs:

Other: Treatment objective is to break up sedge mat to expose mineral soil and to stimulate oak root growth.  
Comments:

Next: Regen survey.  
Steps:

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**Total Treatment  
 Acreage Proposed: 278.1**

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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
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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**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



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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**



Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4123 - Red Oak	High Density Pole	1.8	90	51-80	Stand is a small strip left over from sales in this and adjacent compartments. Higher quality oak. Leave for mast and age class diversity.
4	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	5.9	48		Stand treated timber sale #630769902, in 2000. Cut in 2000 to release all white pine. All aspen, red maple, and oak were cut. All pine over 10" DBH were cut.
5	42250 - Pine, Oak	High Density Pole	37.8	48	111-140	Stand has some older stumps scattered throughout but no timber sale record could be found.
6	4125 - Black, N. Pin Oak	High Density Pole	16.6	80	81-110	Pockets of pole sized red maple and white oak mixed with pockets of log sized black and white oaks.
7	4125 - Black, N. Pin Oak	High Density Log	17.2	88		Stand treated timber sale #630420201.
8	42100 - Planted White Pine	High Density Pole	1.9	48	111-140	White pine planted 1962. Fairly distince rows.
9	4126 - White, Black, N. Pin Oak	High Density Log	5.2	88		Leave stand for mast/age class diversity.
10	4116 - Mixed N. Hardwood - Aspen	Medium Density	29.6	5		Stand treated timber sale #630420201. Excellent amount of oak seedlings averaging 3' tall. Lots of sassafras seedlings also. Clump sprouts of red maple and oak.
12	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	57.7	48		Stand planted 1962 to red pine with some white pine in rows on northern edge. Rows fairly straight but oak clumps and seeded in jack pine obstruct manuverability at points.
14	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	20.5	28		Stand replanted back to red pine after illegal wildfire.
18	4126 - White, Black, N. Pin Oak	Medium Density Pole	25.8	79		Stand left out of treatment area for timber sale #63-042-02-01. Adjacent clearcut patches were cut out of stand.
19	42120 - Planted Jack Pine	High Density Pole	37.2	25		Stand hand planted to jack pine 1985.
21	42250 - Pine, Oak	Low Density Sapling	44.5	5		Stand treated timber sale #630420201. Excellent amount of jack pine and oak seedlings and saplings. Some overstory oak and pine were left from treatment.
23	42220 - Natural Jack Pine	High Density Pole	19.2	70	81-110	Oak was cut out of the stand in 1982. There are advanced oak sprouts and jack pine regen in the canopy gaps from previous treatment.
24	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	38.6	18		Stand treated timber sale in 1992. Oak and jack pine were marked to leave. Excellent jack pine regen.



Data updated yesterday after 6:00 PM

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42110 - Planted Red Pine	High Density Pole	15.4	35		Area looks planted but no FTP could be found.
42250 - Pine, Oak	Medium Density	64.9	5		Stand treated timber sale 630420201. Sale closed 8/17/05. Some overstory oak and pine left. Overstory black oak aged 76.
42110 - Planted Red Pine	High Density Pole	38.5	25		Stand clearcut 1983. Prescribed burn 5/15/84. Machine planted 1/2 jack pine, 1/2 red pine in June 1985. Jack pine did not do well in some spots.
42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	38.5	16		Stand clearcut in 1986. Planted to jack pine in 1994. Good amount of oak regen in the form of stump sprouts and saplings.
4126 - White, Black, N. Pin Oak	Medium Density Pole	35.9	78		Stand treated timber sale 630100501. Specs in sale: Cut all species except white oak, red pine, white pine, and green painted trees.
42250 - Pine, Oak	High Density Sapling	42.5	17		Stand had a seed tree cut in May 1993 (data taken from previous inventory, could not find timber sale). Overstory trees left. No oak was cut, jack pine was marked to leave. Good amount of jack pine and oak regen.
42120 - Planted Jack Pine	High Density Sapling	38.7	14		Stand treated timber sale 630099201. Cut winter/spring of 1993-1994. Trenched and handplanted to jack pine in May 1996.
42200 - Natural White Pine	Low Density Sapling	87.4	38		Stand treated timber sale #630380201 in 2005. Good amount of oak/jack pine seedlings in stand.
42110 - Planted Red Pine	High Density Pole	33.7	16		Planted red pine. Planting record could not be found.
42250 - Pine, Oak	High Density Pole	43.8	39		
42220 - Natural Jack Pine	High Density Pole	3.8	66	81-110	Jack pine is falling apart. Could cut or leave for age class distribution.
42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	159.1	38		Stand scarified and seeded in 1972. Diameters vary throughout stand, pockets of larger diameter pine and oak mixed with pockets of smaller diameters. Possibly break stand up and treat a portion at this time.
42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	37.6	14		Stand clearcut in 1993. Trenched and handplanted to 2-0 seedlings in May 1996.
4131 - Aspen, Oak	Medium Density Pole	19.5	40		Pulp oak on upland hills. Aspen patchy and mostly on lowland areas. Areas of each too small to delineate out. Oak areas have good single stem and stump sprout regen. One black oak dbh of 5" had 32 rings. Lowland area has some willow brush.
42220 - Natural Jack Pine	High Density Pole	20.9	33		Jack pine naturally seeded in. Stand scarified and trenched 1977. Sprayed with Sevin 80 in 1993.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	42200 - Natural White Pine	High Density Pole	37.5	52		Stand treated timber sale 630100501. Spec read: Cut all trees except, do not cut white oak, red pine, white pine, and green marked trees.
42	42220 - Natural Jack Pine	High Density Pole	4.3	30		
43	42200 - Natural White Pine	High Density Log	30.9	47		Stand treated 1988, all aspen, jack pine and oak (except oak marked to leave), were harvested.
46	42250 - Pine, Oak	Medium Density Pole	55.1	5		Stand treated timber sale 630380201 in 2005. Overstory oak and jack pine left. Good amount of oak sprouts and single-stem regen. Jack pine regen is heavy in spots.
47	4125 - Black, N. Pin Oak	High Density Log	25.6	81	111-140	Aspen that can't be commercially will be habitat cut.
48	42250 - Pine, Oak	High Density Pole	17.6	48		Stand treated 1995. Specs were to cut all jack pine and leave all oak. Oak left for mast and shading. Machine planted jack pine in open areas in 1997.
49	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	4.3	45		Stand contains cherry brush, oak sapling/small poles, small amount of red maple. Not heavily stocked.
50	42260 - Natural Pine, Mixed Deciduous	High Density Pole	29.7	22		Stand treated in 1988. All aspen, jack pine and oak cut (except oak marked to leave). Small amount of white pine and red maple overstory trees left from cut.
51	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	25.5	13		Stand treated timber sale 1995. All jack pine were cut, all oaks were left. Oak were left for mast and shading. Machine planted jack pine in open areas in 1997.
52	4130 - Aspen	High Density Pole	23.3	35	51-80	Clearcut in 1975. Pockets of larger diameter aspen/oak/maple mixed throughout.
53	42220 - Natural Jack Pine	High Density Pole	5.7	45	81-110	Patchy, mature oak with pockets of cherry brush and small diameter jack pine.
54	4130 - Aspen	High Density Pole	9.8	22		
55	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	33.0	15		Stand treated 1995. Spec was to cut all jack pine and leave all oak. Salvage cut of dead oak in 1997. Machine planted holes to jack pine in 1997. Oak left for mast.
56	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	6.6	35		
57	4131 - Aspen, Oak	High Density Pole	14.2	35		Stand clearcut 1975.

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Cadillac Mgt. Unit

## 5 – Forested Stands

Compartment: 017  
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	4310 - Pine, Oak Mix	High Density Pole	82.7	23		Stand treated timber sale 630068601. Cut in 1987. All merchantable jack pine, aspen, and oak were cut. Very mixed species. Few scattered overstory white pine and oak.
60	6126 - Lowland Jack Pine	High Density Pole	3.0	35		
61	4310 - Pine, Oak Mix	High Density Pole	17.3	80	81-110	Jack pine heavier in pockets.
62	42220 - Natural Jack Pine	High Density Pole	46.3	36		Stand clearcut in 1974. Scarified with rollerchopper & chains in 1977. Occasional overstory red pine.
63	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	17.1	23		Stand treated timber sale 630068601. Cut in 1987. There are a few overstory white pine trees and a few crabapple trees in the stand.
65	42120 - Planted Jack Pine	High Density Pole	2.9	23		Stand treated timber sale 630068601. Cut in 1987.
66	4311 - Pine, Aspen Mix	Medium Density Pole	5.8	23		Stand treated timber sale 630068601. Cut in 1987.
68	4131 - Aspen, Oak	High Density Pole	8.0	23		Stand treated 1987. Contain small zones of pole to log black oak and jack pine. Do not treat stand this entry due to overall age of 23, and for mast/age class diversity.
69	4310 - Pine, Oak Mix	High Density Pole	29.8	65	81-110	Treat stand.
70	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	32.3	22		No record of treatment could be found. Old OI shows year of origin as 1988. Ring count of jack pine confirms this date. Area of illegal burn on 05/29/88 occurred within the stand. Zones of heavy jack pine, oak, and aspen regen. Small amount of overstory pole to log jack pine and mixed oak.
71	4122 - Oak, Pine	High Density Log	3.3	90	81-110	Leave stand for mast and age class diversity. Trace of aspen.



Stand	Cover Type	Acres	Gen Cmts:
1	3301 - Low Density Deciduous Tree	9.4	Stand treated timber sale #630010501. Regen only 3 years old. Do regen survey in 5 years.
3	3205 - Mixed Upland Shrub	15.5	Stand treated timber sale #630010501. Regen only 3 years old. Do regen survey in 5 years.
11	3301 - Low Density Deciduous Tree	83.6	Stand treated timber sale #630010501, cut in 2007. Pole to Log oak were left. Pockets of good aspen regen up to 5'. Oak stump sprouts and some single stem seedling/saplings coming up but not heavy. Red maple stump sprouts, cherry brush, and sassafras sprouts make up rest of vegetation. Due to stand age (3 years), check regen again in 5 years.
13	3105 - Mixed Upland Herbaceous	0.5	Treated timber sale #630420201. Sapling oaks and sapling black cherry filling in.
15	3105 - Mixed Upland Herbaceous	0.5	Treated timber sale #630420201. Sapling oaks and sapling black cherry filling in.
16	3105 - Mixed Upland Herbaceous	0.7	Treated timber sale #630420201. Sapling oaks and sapling black cherry filling in.
17	3105 - Mixed Upland Herbaceous	2.2	
20	3105 - Mixed Upland Herbaceous	1.1	Treated timber sale #630420201. Sapling oaks and sapling black cherry filling in.
22	3105 - Mixed Upland Herbaceous	0.6	Treated timber sale #630420201. Sapling oaks and sapling black cherry filling in.
39	3102 - Grass	4.7	Wildlife maintained opening.
44	3302 - Low Density Conifer Trees	1.5	Drying up grassy marsh. Becoming treed with jack and white pine.
45	3303 - Mixed Low Density Trees	1.1	Drying up marshy area becoming treed.
59	3102 - Grass	3.1	Wildlife maintained opening.
64	3102 - Grass	3.6	Maintained wildlife opening.
67	3102 - Grass	2.8	Grassy area with a few jack pine, bigtooth aspen, and a small amount of willow brush. Old plow line was found, South east area burned to 16th St. and Twin Creek Rd. (except for the oak stand).



### 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
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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 yesterday after 6:00 PM*

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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