



## Roscommon Forest Management Unit Compartment Review Presentation

**Compartment #174      Entry Year: 2012**

**Compartment Acreage: 1805      County: Ogemaw**

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**Revision Date:** 7/12/2010

**Stand Examiner:** J. Hartman

**Legal Description:** T24N R1E sec. 13, 14, 23    T24N R2E sec. 18

**Management Area:** Kirtland's Warbler

**Management Goals:** Follow normal procedures for prescriptions during this year of entry while acknowledging that the compartment is within a proposed matrix level Biodiversity Stewardship Area (BSA) that may affect the long-term management goals.

**Soil and Topography:** The west side of the compartment is part of a large outwash plain composed of Grayling Sand. The eastern third is a kamic ridge composed of ice-contact deposits just west of the town of Damon.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** There are two parcels owned by USFWS. There are numerous private parcels in the eastern half of section 18 bordering the town of Damon.

**Unique, Natural Features:** Kirtland's warbler documented throughout the compartment. Trumpeter swan, bald eagle, and dusted skipper have been identified in the vicinity. Rough fescue, Hill's thistle, and Alleghany Plum have also been identified nearby.

**Archeological, Historical, and Cultural Features:** None identified.

**Special Management Designations or Considerations:** The whole compartment is within a proposed Biodiversity Stewardship Area (BSA).

**Watershed and Fisheries Considerations:** There are no lakes, rivers, or wetlands present in the compartment.

**Wildlife Habitat Considerations:** A large amount of acreage in this compartment is dedicated to plantations for Kirtland's warbler habitat.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have a current economic use. The nearest gravel pit is located three miles to the northeast. However, gravel potential in the compartment is thought to be good. The Rose City Fields lie to the south. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has

produced over 31 Bcf gas and 200,000 BO. Over half of the State land is currently leased and some is in production (Section 14).

**Vehicle Access:** There are several sand surfaced county roads that run along section lines.

**Survey Needs:** None necessary.

**Recreational Facilities and Opportunities:** There aren't any snowmobile trails or ORV trails. Deer hunting is common in the northeast part of the compartment.

**Fire Protection:** This area has a very active fire history. There is a large fuel break along the western edge of the compartment.

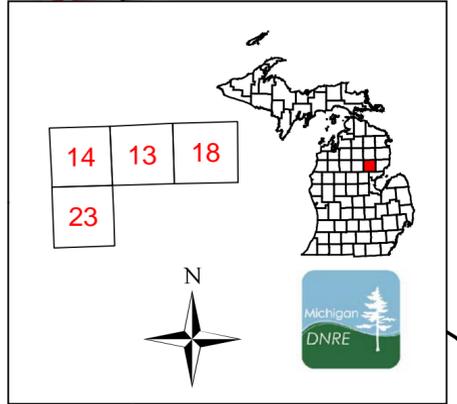
- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **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

**Stand #**  
23

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

Compartment 174  
T24N, R01E, Sec. 13, 14, 23  
T24N, R02E, Sec. 18  
County: Ogemaw  
Unit: Roscommon  
YOE: 2012  
Acres: 1,802 GIS Calculated  
Stand Examiner: Jason Hartman  
Map Revised: 08/27/2010  
Map Phase: Pre-Review



**Legend**

- Miris Corners
- Remonumented Section Corners
- Cable
- Pipe
- Power
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trails
- ORV Trails
- MCCCT Trails
- Motorcycle Trails
- Lakes and Rivers

**Treatments**

- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)

**Forest Stands**

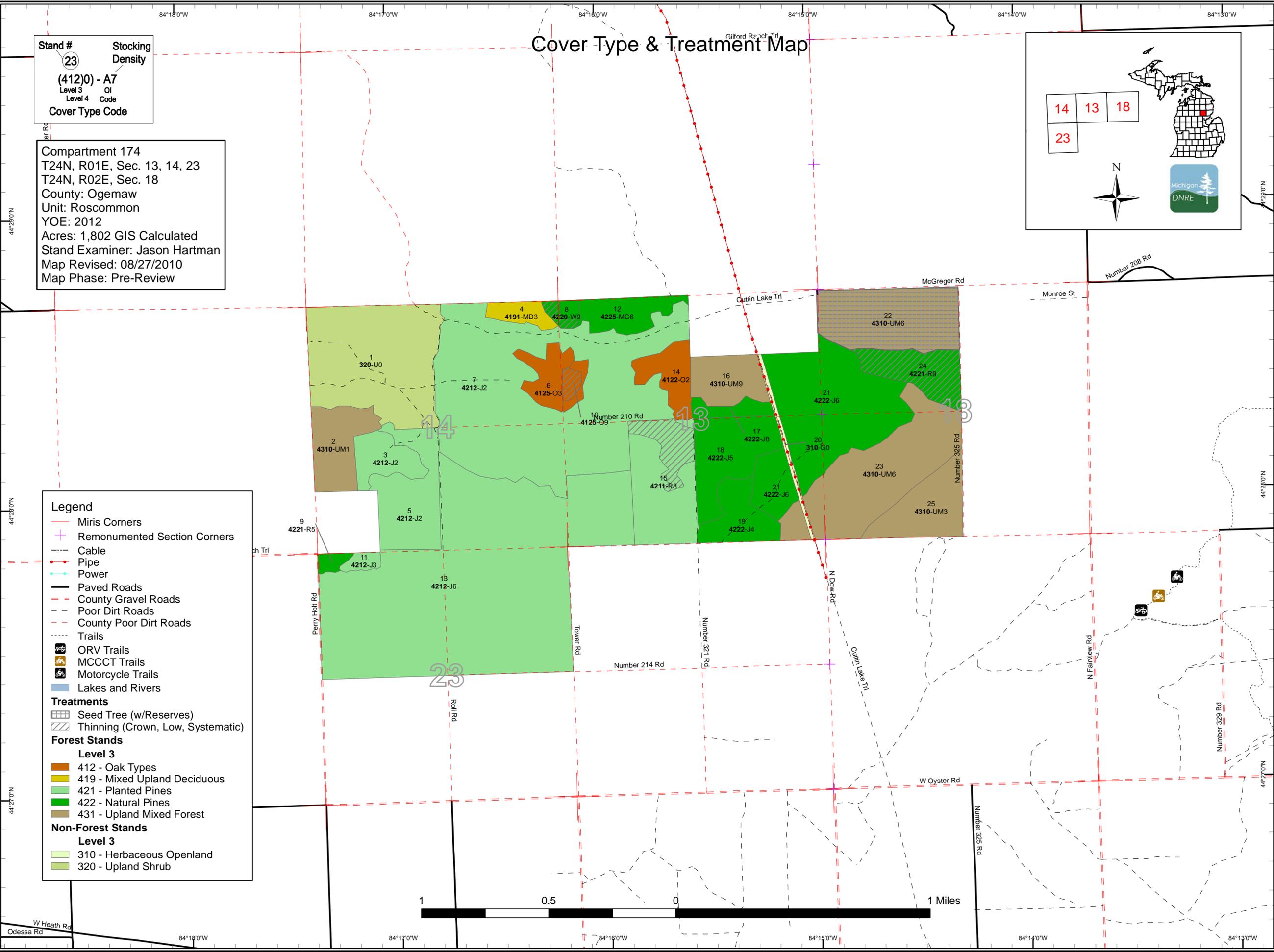
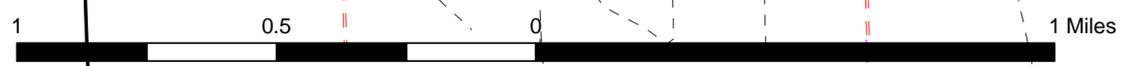
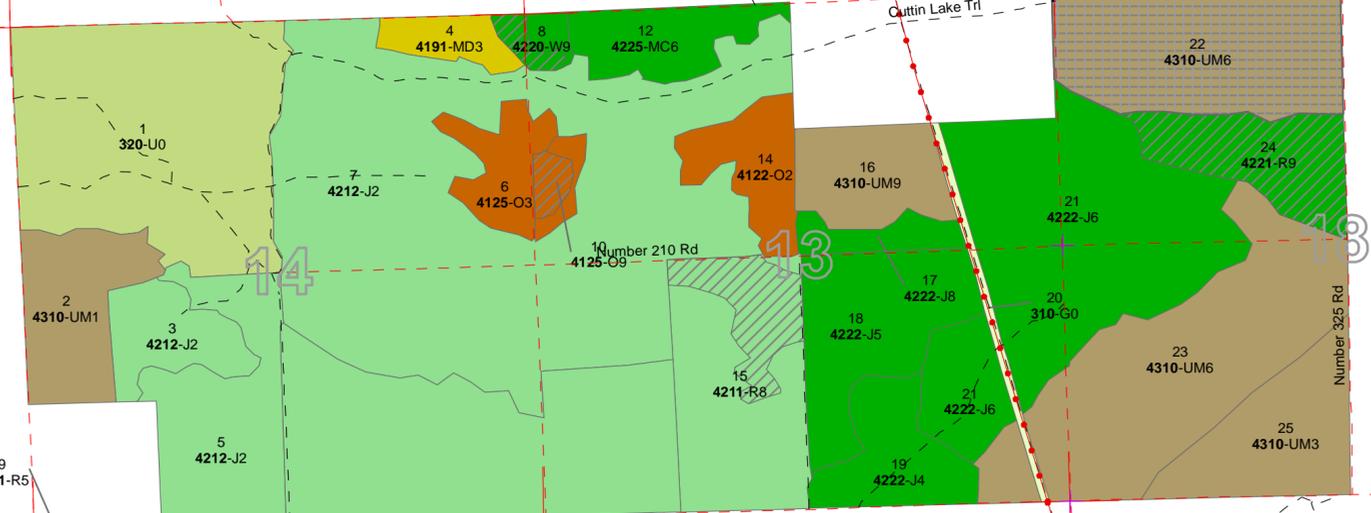
**Level 3**

- 412 - Oak Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest

**Non-Forest Stands**

**Level 3**

- 310 - Herbaceous Openland
- 320 - Upland Shrub

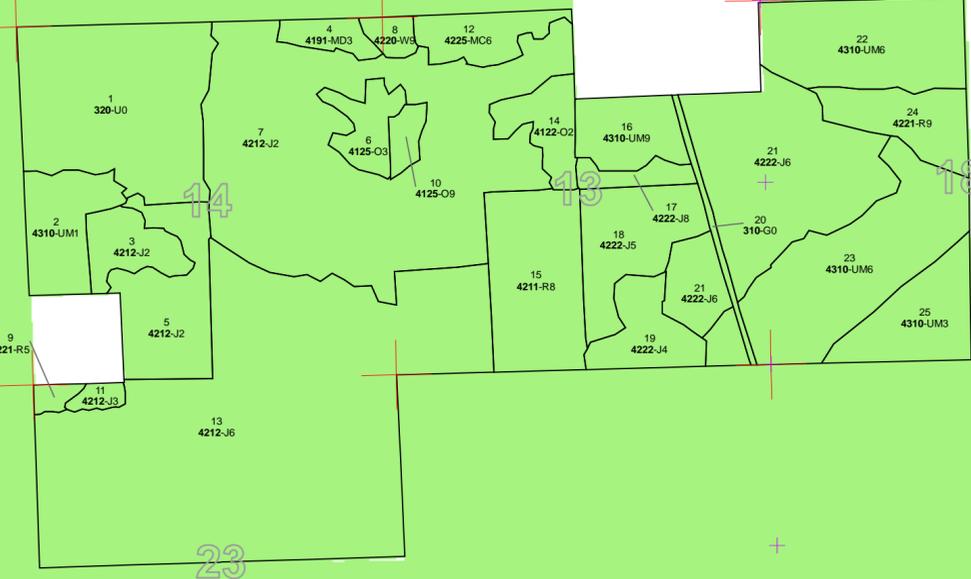
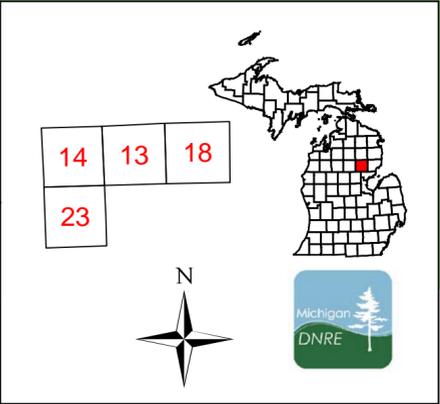




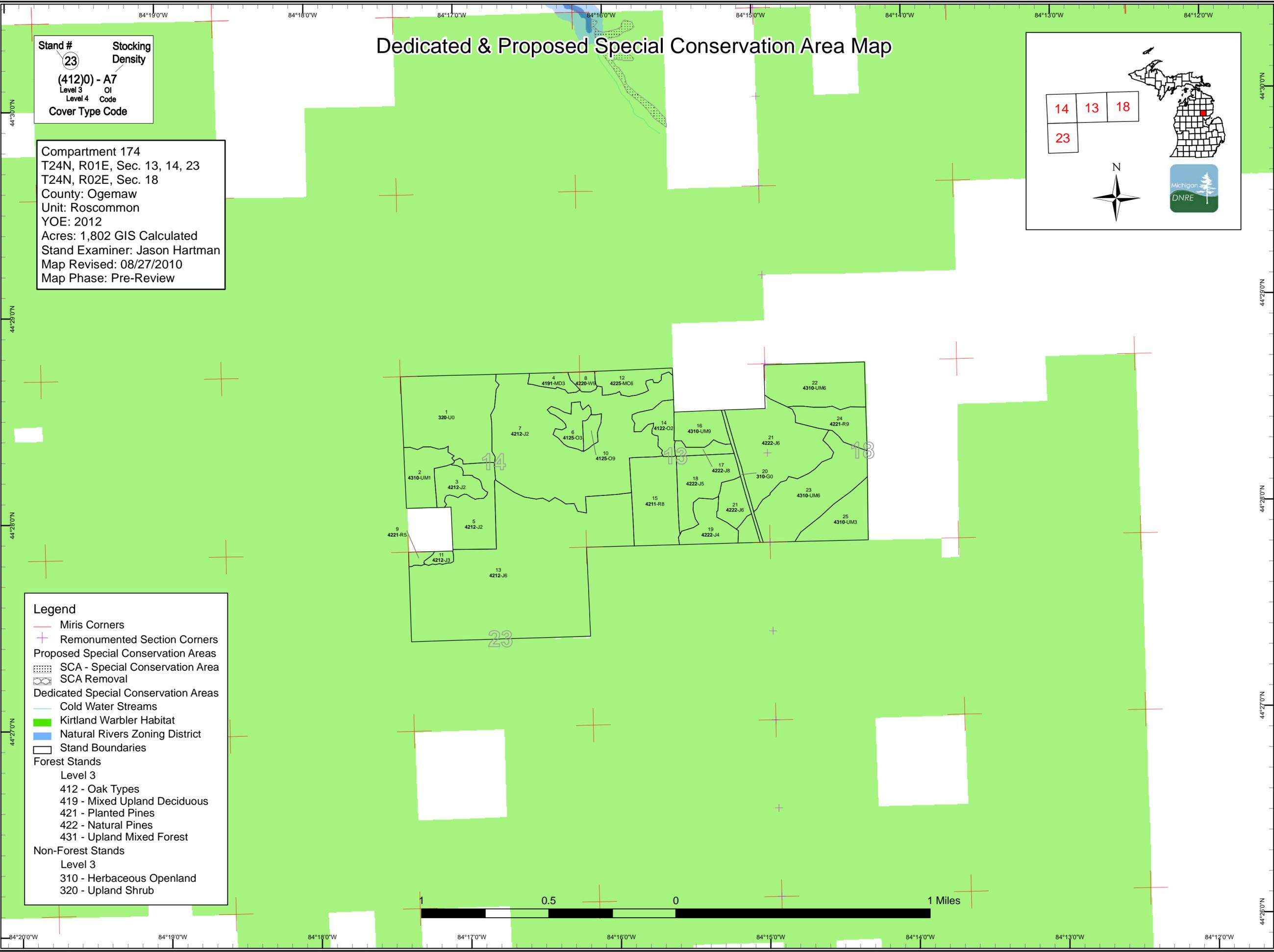
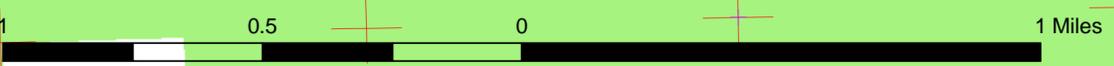
# Dedicated & Proposed Special Conservation Area Map

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

Compartment 174  
 T24N, R01E, Sec. 13, 14, 23  
 T24N, R02E, Sec. 18  
 County: Ogemaw  
 Unit: Roscommon  
 YOE: 2012  
 Acres: 1,802 GIS Calculated  
 Stand Examiner: Jason Hartman  
 Map Revised: 08/27/2010  
 Map Phase: Pre-Review



- Legend**
- Miris Corners
  - ⊕ Remonumented Section Corners
  - Proposed Special Conservation Areas
    - ▨ SCA - Special Conservation Area
    - ▩ SCA Removal
  - Dedicated Special Conservation Areas
    - Cold Water Streams
    - Kirtland Warbler Habitat
    - Natural Rivers Zoning District
  - Stand Boundaries
  - Forest Stands
    - Level 3
    - 412 - Oak Types
    - 419 - Mixed Upland Deciduous
    - 421 - Planted Pines
    - 422 - Natural Pines
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  - Non-Forest Stands
    - Level 3
    - 310 - Herbaceous Openland
    - 320 - Upland Shrub



**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
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Jack Pine	0	26	369	530	0	151	0	12	0	0	0	0	0	0	0	1089
Mixed Upland Deciduous	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Natural Mixed Pines	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	28
Oak	0	0	48	0	0	0	0	0	0	0	9	0	0	0	0	57
Red Pine	0	0	0	0	0	0	5	39	0	80	0	0	0	0	0	124
Upland Mixed Forest	0	0	42	48	0	206	0	0	0	34	0	0	0	0	0	330
Upland Shrub	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143
White Pine	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
<b>Total</b>	<b>151</b>	<b>26</b>	<b>472</b>	<b>578</b>	<b>0</b>	<b>386</b>	<b>5</b>	<b>51</b>	<b>0</b>	<b>114</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1802</b>



## Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Roscommon Mgt. Unit  
Year of Entry 2012

Compartment 174  
Total Compartment Acres: 1802

### Acres by Treatment Type

Commercial Harvest - 117	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 39	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Oak	0	0	0	0	5	0	5
Red Pine	0	0	0	0	62	0	62
Upland Mixed Forest	0	0	84	0	0	0	84
White Pine	0	0	0	0	5	0	5
<b>Total</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>155</b>



Data updated before 10:00 AM

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	71174008-Cut	4.7	42200 - Natural White Pine	High Density Log	105	Harvest	Crown Thinning	Natural White Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Mark to thin poor formed and suppressed white pine pole timber. Include with small oak stand to the south for a small sale.

Specs:

Other

Comments:

Next

Steps:

10	71174010-Cut	5.0	4125 - Black, N. Pin Oak	High Density Log	93	Harvest	Crown Thinning	Black, N. Pin Oak	Cmpt. Review Proposal
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Prescription Mark high risk oak and poor formed white pine to cut. Could be a small negotiated sale with the stand to the north.

Specs:

Other

Comments:

Next

Steps:

15	71174015-Cut_small	23.0	42110 - Planted Red Pine	Medium Density Log	82	Harvest	Crown Thinning	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Delineated out the portion of the stand to thin. Mark to thin suppressed and poor form red pine leaving 80-100 residual BA.

Specs:

Other

Comments:

Next

Steps:

22	71174022-Cut	84.0	4310 - Pine, Oak Mix	High Density Pole	41	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Spec cut jack pine and oak to 2" dbh. Mark 10-30 ft of oak to leave and a few jack pine wildlife trees and retention. Leave all red pine and white pine.

Other

Comments:

Next

Steps: Consider an FTP to burn or roller chop to control brush and jack pine regen as a fuel break to the NE of the two-track that divides the stand.

24	71174024-Cut	38.8	42210 - Natural Red Pine	High Density Log	65	Harvest	Crown Thinning	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Mark to cut poor formed and suppressed red pine leaving 80-100 sq. ft residual.

Specs:

Other

Comments:

Next

Steps:

**Total Treatment  
Acreage Proposed: 155.4**



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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  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**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**

Stand	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 174
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
Data updated before 10:00 AM						
General Comments:						
2	4310 - Pine, Oak Mix	Low Density Sapling	41.8	11		Part or Mech Fire from 1998
3	42120 - Planted Jack Pine	Medium Density	26.4	9		Young plantation that burned in Mech Fire and then got replanted soon after. Look at 2005 Ogemaw 4 band. Will end up getting merged with stand to the southeast that is just a couple years older.
4	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	13.3	16		Has a pin oak and white oak supercanopy.
5	42120 - Planted Jack Pine	Medium Density	61.0	14		Nearly the same as other KW to east, but planted a few years later. Will catch up soon.
6	4125 - Black, N. Pin Oak	High Density Sapling	21.5	16		
7	42120 - Planted Jack Pine	Medium Density	301.8	13		Trace of red pine saplings and several pockets of natural jack pine regeneration too.
8	42200 - Natural White Pine	High Density Log	8.6	106		East half was already treated. Could thin poletimber on west side to improve quality and lump with small stand to south for small sale. Very low priority.
9	42210 - Natural Red Pine	Medium Density Pole	5.3	51		Various ages. Could stand to be thinned in a couple of spots. However, the jack pine is still immature. Hold till jp is ready.
10	4125 - Black, N. Pin Oak	High Density Log	9.4	94	81-110	Could do a small sale to improve white pine quality and remove some high risk oak. Heavy firewood cutting.
11	42120 - Planted Jack Pine	High Density Sapling	6.1	14		Planted with very deep furrows. No weave. Sign posted saying site of historic Quakenbush homestead. Could not find any evidence of a foundation.
12	42250 - Pine, Oak	High Density Pole	28.2	42		More open grown and more oak to east and more jack pine to the south. Could stand to be thinned in some spots, but should wait. Good spot to manage open grown RP/WP as a fuel break in the future.
13	42120 - Planted Jack Pine	High Density Pole	441.6	23		KW plantation mixed with natural jp in some spots.
14	4122 - Oak, Pine	Medium Density	26.4	13		Heavy stump sprout oak regeneration that was planted through for KW. Mix of natural and planted Jack pine that will fill in more when it catches up.
15	42110 - Planted Red Pine	Medium Density Log	80.0	83	81-110	Jack pine removed in 1984. Highly variable BA. Has thick jack pine regeneration and some more open pockets with some red pine regen. May be able to delineate out areas to thin (NE is the thickest) or include regen pockets and work around them. Could also wait until whole stand is ready to be lumped into KW. Not included in a management block right now. Decent quality, but not ready for poles yet. Decent site. Has some white oak present in the understory.



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Roscommon Mgt. Unit

## 5 – Forested Stands

Compartment: 174

Year of Entry: 2012



Data updated before 10:00 AM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4310 - Pine, Oak Mix	High Density Log	34.1	86		High risk oak and some jack pine mortality. Nice pockets of natural red pine along west edge. Would mark oak and jack pine to leave and red pine to cut. Leave all pine < 4" dbh. Regen objective of oak. Long-term stand objective of oak/pine.
17	42220 - Natural Jack Pine	Medium Density Log	12.1	66		Solid jack pine understory to the east. Mostly oak understory on the west side.
18	42220 - Natural Jack Pine	Medium Density Pole	55.9	26		Some seed trees still present from origin.
19	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Pole	32.9	26		
21	42220 - Natural Jack Pine	High Density Pole	151.3	42		Natural fire origin stand. Some relic jp scattered along gas line along west edge.
22	4310 - Pine, Oak Mix	High Density Pole	84.0	42		Two-aged. Heavier jack pine in the valley along road in the center. Would mark oak and jack pine to leave and red pine to cut. Manage north side of road as fuel break and the ridge to the south for natural oak/pine.
23	4310 - Pine, Oak Mix	High Density Pole	122.3	42		Has a couple of pockets that were trenched and planted on northeast side after the fire, but overall it is natural regen. Heavy to oak and red pine. Located on a long ridge running NE-SW.
24	42210 - Natural Red Pine	High Density Log	38.8	66	141-170	Some pockets are higher BA than others. Crown thinning. Same same with stand to north.
25	4310 - Pine, Oak Mix	High Density Sapling	48.1	22		Origin from Perry Holt Fire of 1988



Stand	Cover Type	Acres	Gen Cmts:
1	3205 - Mixed Upland Shrub	142.9	Planted to jack pine for KW in 2007
20	31021 - Cool Season Grass	8.1	Pipeline ROW



### 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

Conservation Area	Type	Description
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.