



# Compartment Review Presentation

## Grayling Forest Management Unit

Compartment 289

Entry Year 2016

Acreage: 1,078

County Crawford

Management Area: AuSable Outwash

**Revision Date:** 03/12/2014

**Stand Examiner:** Patrick Mohney

### Legal Description:

T28N R1W Sections 25, 26 Northeast Lovells Township, Crawford County

### Identified Planning Goals:

To maintain species and structural diversity while managing for health, productivity, and sustainability throughout the compartment. To provide multiple use opportunities and incorporate any visual management needed to optimize these uses.

### Soil and topography:

The soil types within the compartment, consists of large pockets of Grayling Sands, Graycalm-Grayling Sands and Graycalm Sands. Topography within this compartment consists of rolling terrain in the west half and level terrain in the east half. The east half of the compartment is broken up by a flooded creek bottom known as the Big Creek Impoundment.

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

This compartment consists of solid state ownership except for the SE1/4 of Section 26, which is a privately owned subdivision. Lands that surround the compartment, primarily consists of solid state ownership as well. The privately owned lands contain several seasonal structures and are used for seasonal recreation.

### Unique Natural Features:

No Unique Natural Features known.

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

The Big Creek Impoundment and the Middle Branch of Big Creek are two concerns due to fisheries and BMP's.

### Watershed and Fisheries Considerations:

The south half of the Big Creek Impoundment is located in the north east portion of Section 25 of the compartment. The Middle Branch of Big Creek flows into the impoundment from the north and out the south end. A designated trout stream, the Middle Branch of Big Creek, eventually flows into the AuSable River to the south. There is also a pond or kettlehole located in the NWNW Section 26.

### Wildlife Habitat Considerations:

The primary objective is to manage and maintain existing cover types within the compartment to improve habitat conditions for a wide variety of wildlife.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Coldwater Shale. The Coldwater does not have a current economic use. The nearest gravel pit is located three miles to the southwest, but potential is thought to be good. The Antrim Shale has been developed to the north, but the compartment appears to be south of the Antrim Shale productive area. Currently there are no well sites in the compartment.

### Vehicle Access:

Walsh Road and Pickeral Lake Road are the two county roads that access the compartment. Several two track roads accessed off these two county roads traverse through most all of the compartment. Access to the compartment can also be made from the designated snowmobile trail located a ¼ mile west of the compartment.

### Survey Needs:

There are no needs for surveys.

**Recreational Facilities and Opportunities:**

The North Spur of the Shore to Shore Riding and Hiking Trail is located within Section 25 on Walsh Road. Stand 28 hosts Walsh Road Trail Camp. Part of the Roll Trail, designated snowmobile trail #4, is located east of the Big Creek Impoundment in the NE of Section 25. The Midland to Mackinac Hiking Trail and a designated snowmobile trail are located approximately ¼ mile west and south of the compartment. Recreational opportunities include fishing, hiking, horse-back riding, bird-watching, snowmobiling and hunting. .

**Fire Protection:**

Lovell's Volunteer Fire Department and the Greenwood Township, Oscoda Volunteer Fire Departments are the closest township fire departments for response to a wildfire. Wildfire protection falls under the Grayling and Mio MDNR offices. The Big Creek Impoundment is the closest water source for fire protection.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

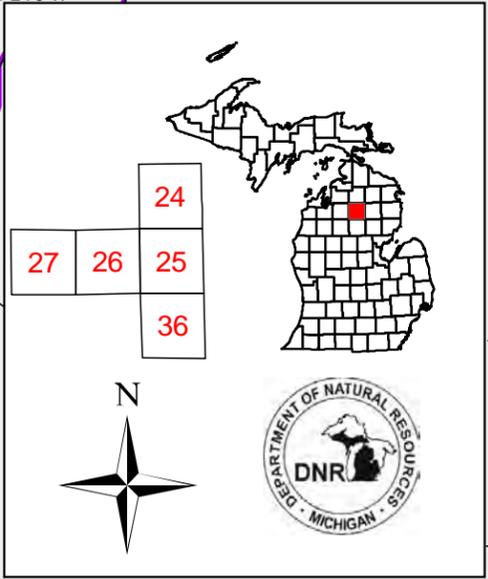
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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**

# Cover Type & Treatment Map

Compartment: 289  
 T28N R01W Sec. 24,25,26,27,36  
 County: Crawford  
 Unit: Grayling  
 Management Area: AuSable Outwash  
 YOE: 2016  
 Acres: 1,078 GIS Calculated  
 Examiner: Patrick Mohney  
 Map Revised: 09/04/2014  
 Map Phase: Pre-Review



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

### Legend

- Remonumented Section Corners
- PLSS Corner
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Snowmobile Trail
- Hiking Trail
- Horse Trail
- Hiking Trails
- Horse Trails
- Snowmobile Trails
- State Forest Campgrounds
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- State Forest Land
- Lakes and Rivers

### Treatments

- Other Treatment - See Comments
- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

### Forest Stands

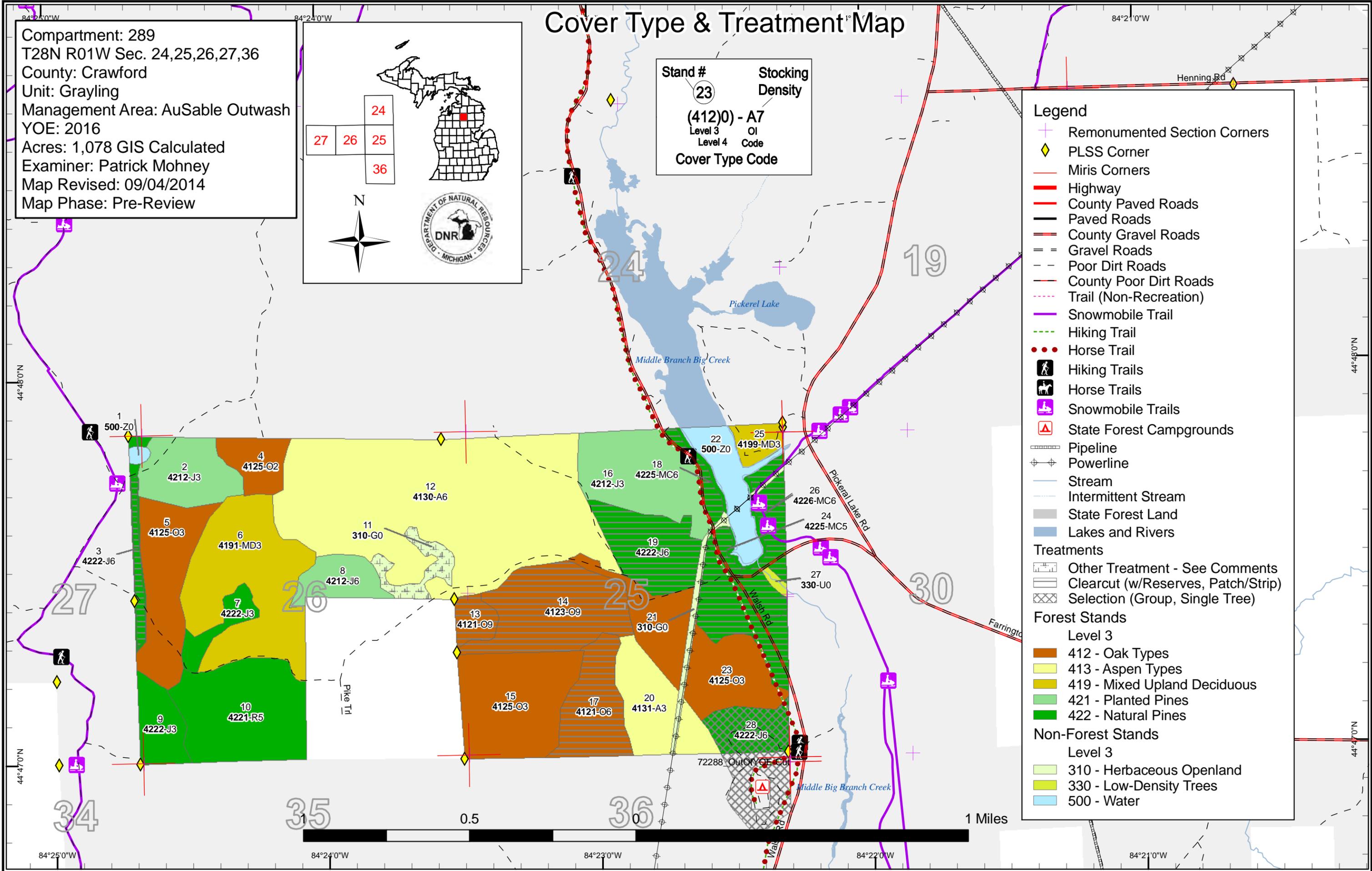
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines

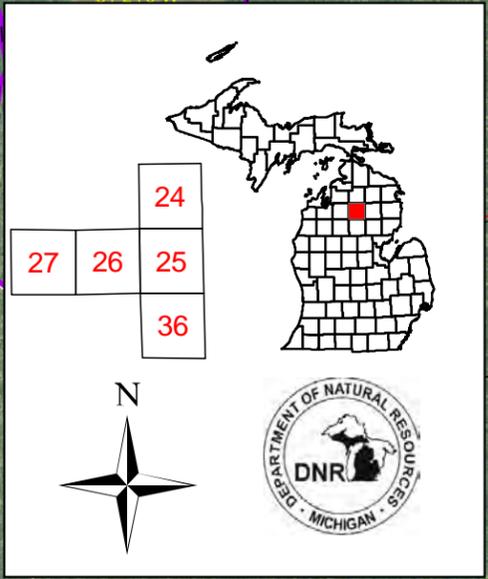
### Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water



Compartment: 289  
 T28N R01W Sec. 24,25,26,27,36  
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 Map Revised: 09/04/2014  
 Map Phase: Pre-Review



# Stand Boundary Map

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

### Legend

- Miris Corners
- Remonumented Section Corners
- PLSS Corner
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Snowmobile Trail
- Hiking Trail
- Horse Trail
- Hiking Trails
- Horse Trails
- Snowmobile Trails
- State Forest Campgrounds

### Forest Stands

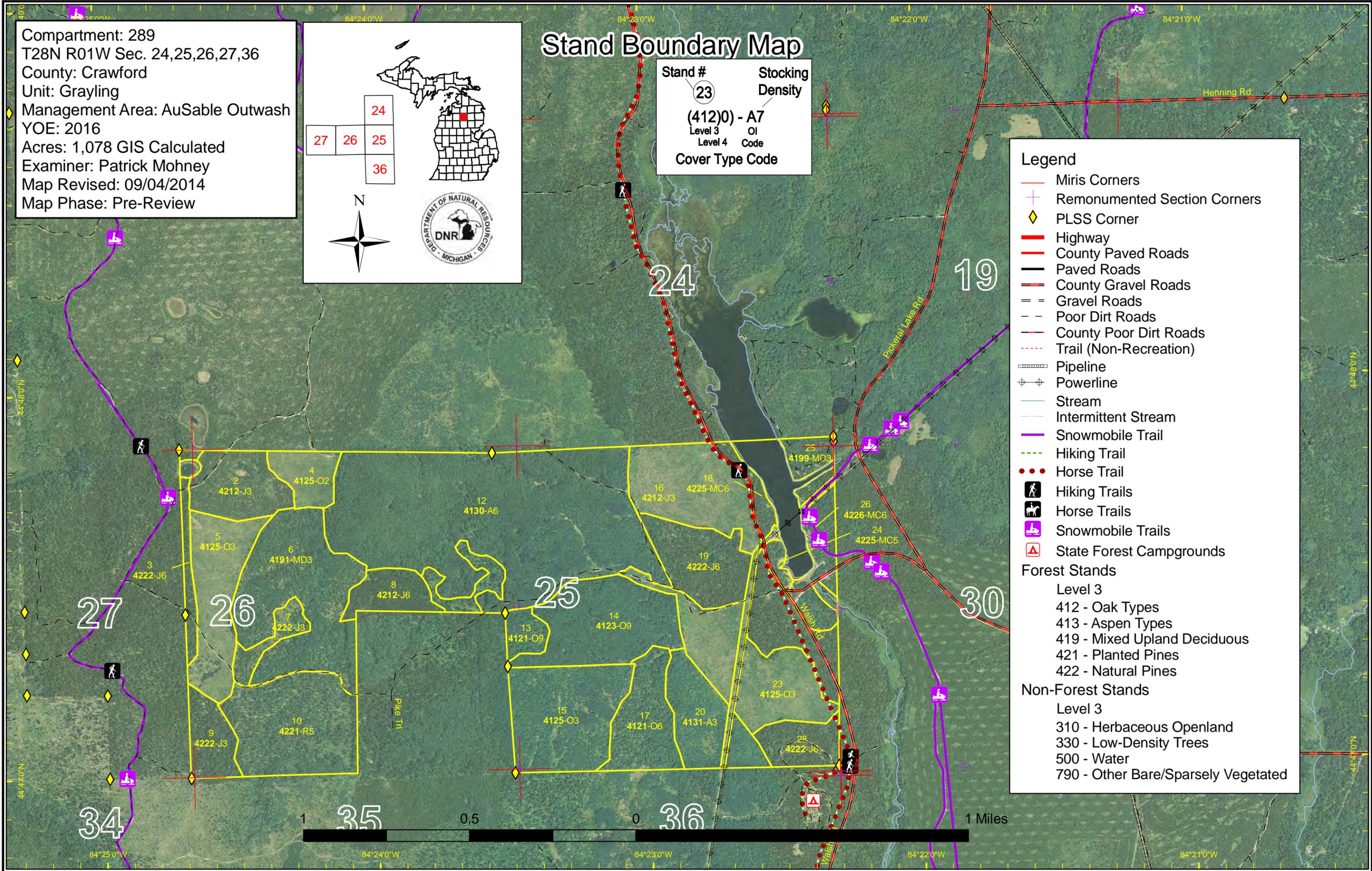
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines

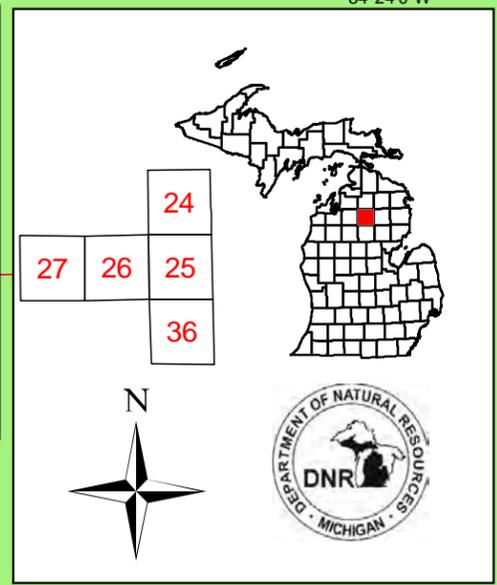
### Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 790 - Other Bare/Sparsely Vegetated



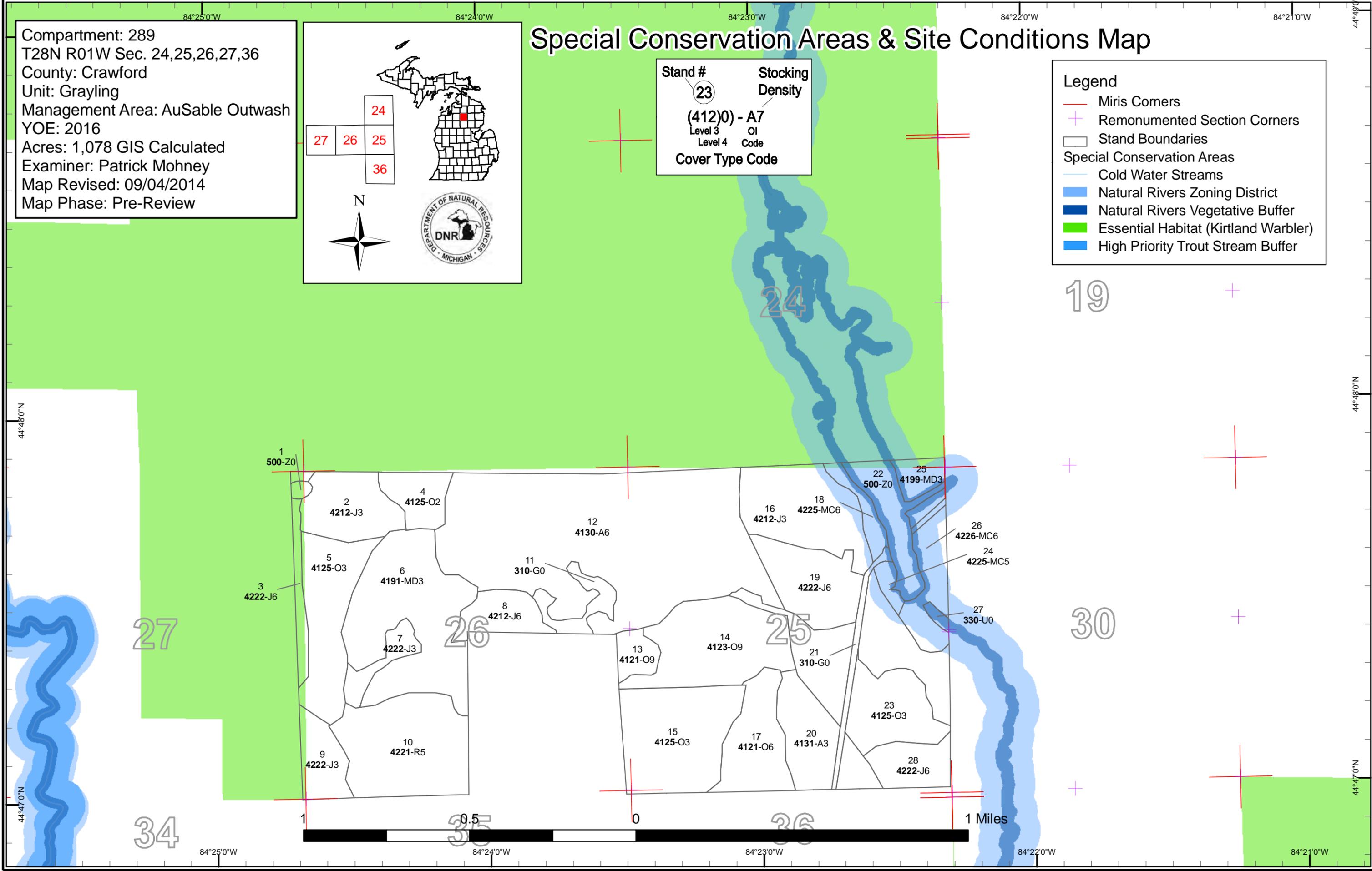
Compartment: 289  
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 Map Revised: 09/04/2014  
 Map Phase: Pre-Review



# Special Conservation Areas & Site Conditions Map

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

- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Stand Boundaries
  - Special Conservation Areas
  - Cold Water Streams
  - Natural Rivers Zoning District
  - Natural Rivers Vegetative Buffer
  - Essential Habitat (Kirtland Warbler)
  - High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



	Age Class														Total
	0-9	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	38	231	0	0	0	0	0	0	0	0	0	0	270
Herbaceous Openland	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Jack Pine	54	0	45	39	0	11	22	70	0	0	0	0	0	0	242
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	91	10	0	0	0	0	0	0	0	0	0	0	101
Natural Mixed Pines	0	0	0	0	0	27	0	0	14	0	0	0	0	0	41
Oak	131	0	65	0	0	0	0	10	98	0	0	0	0	0	304
Red Pine	0	0	0	0	69	0	0	0	0	0	0	0	0	0	69
Water	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
<b>Total</b>	<b>237</b>	<b>0</b>	<b>239</b>	<b>280</b>	<b>69</b>	<b>38</b>	<b>22</b>	<b>80</b>	<b>112</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1078</b>



## Report 2 – Proposed Treatment Summaries

**Grayling Mgt. Unit**  
**Year of Entry 2016**

**Compartment 289**  
**Total Compartment Acres: 1,078**

### Acres by Treatment Type

Commercial Harvest - 242	Tree Planting - 7	Other - 12
Habitat Cut - 0	Opening Maintenance - 0	

### Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
	7	0	0	0	0	0	7
<b>Natural Pines</b>	106	20	0	0	0	0	126
<b>Oak Types</b>	108	0	0	0	0	0	108
<b>Total</b>	221	20	0	0	0	0	242



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>72289_OYOE_cc</b>	6.7					Harvest	Clearcut	42120 - Planted Jack Pine	Fld. Tr. Bdy. - Incomplete
<p><u>Prescription</u> Final harvest, leaving any RP, WP and white oak. No additional retention due to small stand size. Treat concurrent with the adjacent comp 290 stand 26.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Protect the survey monument and witness trees associated with the quarter corner common to sections 26 &amp; 27.</p> <p><u>Next Steps:</u> Trench and plant JP to KW specs. Artificial regen surveys. Acceptable regen is JP at stockings suitable for KW habitat, along with naturally-established oak and pine.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>									
<b>13 72289013-Cut</b>	10.0	4121 - Oak, Aspen	High Density Log	71	81-110	Harvest	Clearcut with Reserves	412 - Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Final Harvest Stand. Leave retention in island form.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Let stand regenerate naturally. Any combination of Aspen, Oak, Pine is acceptable.</p> <p><u>Next Steps:</u> Regen Survey required.</p> <p><u>Proposed Start Date:</u> 10/01/2015</p>									
<b>14 72289014-Cut</b>	62.2	4123 - Red Oak	High Density Log	88	51-80	Harvest	Clearcut with Reserves	412 - Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest stand. Leave retention in island form.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Let stand regenerate naturally. Any combination of Oak, Aspen and pine is acceptable.</p> <p><u>Next Steps:</u> Regen Survey</p> <p><u>Proposed Start Date:</u> 10/01/2015</p>									
<b>17 72289017-Cut</b>	36.2	4121 - Oak, Aspen	High Density Pole	80		Harvest	Clearcut with Reserves	412 - Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest stand. Leave retention in island form where necessary.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Let stand regenerate naturally. Any combination of oak, aspen, maple and pine is acceptable.</p> <p><u>Next Steps:</u> Regen Survey</p> <p><u>Proposed Start Date:</u> 10/01/2015</p>									
<b>18 72289018-Cut</b>	7.1	42250 - Pine, Oak	High Density Pole	80		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest stand. Cut right up to the top of the bank along big creek impoundment per fisheries (Neal Godby) and Natural Rivers (Brian Bury). <u>Specs:</u> Chip all tops.</p> <p><u>Other Comments:</u> Let stand regenerate naturally. A combination of jack pine and oak is acceptable.</p> <p><u>Next Steps:</u> Regen check</p> <p><u>Proposed Start Date:</u> 10/01/2015</p>									



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19 72289019-Cut	70.2	42220 - Natural Jack Pine	High Density Pole	77		Harvest	Clearcut with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal

Prescription Final harvest stand. Place retention in island form.

Specs:

Other Stand should be chipped and harvested with snow off to maximize scarification and cone drop.

Comments:

Next Let stand regenerate naturally, if natural regen fails, plant to JP

Steps:

Proposed

Start Date: 10/01/2015

24 72289024-Cut	3.9	42250 - Pine, Oak	Medium Density Pole	80		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest stand. cut right up to the top of the bank on big creek impoundment per fisheries (Neal Godby) and Natural Rivers (Brian Bury).

Specs:

Other Let stand regenerate naturally. A combination of jack pine and oak is acceptable.

Comments:

Next regen check

Steps:

Proposed

Start Date: 10/01/2015

26 72289026-Cut	25.1	42260 - Natural Pine, Mixed Deciduous	High Density Pole	56		Harvest	Clearcut with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal
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Prescription Final harvest stand. Place retention in island form where appropriate. Cut right up to the top of the bank per fisheries (Neal Godby) and Natural Rivers (Brian Bury).

Specs:

Other Let stand regenerate naturally. Any combination of Oak, Aspen, Pine will be acceptable.

Comments:

Next Regen Survey

Steps:

Proposed

Start Date: 10/01/2015

28 72289028-Cut	20.1	42220 - Natural Jack Pine	High Density Pole	64	51-80	Harvest	Group Selection	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Remove all Jack Pine 6 inches and up dbh. Be careful to protect remaining jack pine.

Specs:

Require low impact and easily maneuverable equipment in contract for sale to minimize impact to campground.

Remove all aspen.

Exclude any areas that are mostly small diameter jack pine from sale.

Cut all stumps extremely low.

Cut all standing dead.

Sale must be chipped.

Other Winter Cut only.

Comments:

Let stand regenerate naturally. Hand plant red pine throughout stand.

Next

Steps:

Proposed

Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11 NF_72289011-Other	12.2	3105 - Mixed Upland Herbaceous				Other	Other - Specify	320 - Upland Shrub	Cmpt. Review Proposal

Prescription: Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, Specs: brushing, burning and herbicide application.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

**Total Treatment Acreage Proposed: 253.7**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment  
Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Grayling Mgt. Unit

Compartment 289

Patrick Mohney : Examiner

Year of Entry 2016

### Availability for Management

Availability for Management			Dominant Site Conditions	
Total Acres	Acres Available	Acres Not Available		No
270	270		<b>Aspen</b>	270
240	240		<b>Jack Pine</b>	240
100	100		<b>Mixed Upland Deciduous</b>	100
41	41		<b>Natural Mixed Pines</b>	41
304	304		<b>Oak</b>	304
69	69		<b>Red Pine</b>	69
1,024	1,024		Total Forested Acres	1,024
	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.*



### 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
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Comments



**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. 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 this 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.
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.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42120 - Planted Jack Pine	High Density Sapling	33.3	28		Previous inventory indicates this stand was planted 1986. JP is growing very well, tall and bushy at this point. Diameter is not very large for the age of the stand, but it is slowly approaching merchantability.
3	42220 - Natural Jack Pine	High Density Pole	11.2	58	81-110	Mature Jack Pine stand. Salvage in the 1960's was down to remove budworm JP. Slightly rolling terrain. Stand in the compartment to the west has been prescribed. Cut with that stand.
4	4125 - Black, N. Pin Oak	Medium Density	17.7	6		Timbersale #035-06-01 Too late Jack. January 2008. Jack Pine planted May, 2010 per C72-586. Heavy browse on the oak due to elk being in the area. JP has not reached the 3' mark yet. Oak is filling in nicely when not browsed.  Previous treatment provided good natural regen, FTP 72-586 is being disregarded and no planting will be taking place. Decision was agreed upon at compt. review.
5	4125 - Black, N. Pin Oak	High Density Sapling	49.2	4		Timbersale #035-06-01 Too Late Jack, January 2008. Jack Pine planted May, 2010 per C72-586. Stand also has some decent oak regeneration. Extremely heavy browse on the oak in this stand. There were also a fair amount of elk tracks in this stand as well as browse fairly high up on the regen.  Jack Pine is growing well, but does not meet the 3' height requirement as of yet.
6	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	90.8	25	1-50	There are elk tracks in this stand. Elk browse along all of the trails. Oak regen is decent, but getting browsed pretty heavily in spots. Stand has some rolling terrain, but is relatively well stocked. Just approaching pole sized.
7	42220 - Natural Jack Pine	High Density Sapling	11.7	24		Jack Pine regen, I don't believe that it is a plantation, hard to tell with all the deep snow, I couldnt really distinguish rows, and didnt find any info indicating such. It looks like it may have been a landing at one time, very dense regen. Growing well. Some oak mixed in, had elk tracks in the stand.
8	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	18.9	35		Stand is pole sized jack pine. Growing well, has some oak mixed in.
9	42220 - Natural Jack Pine	High Density Sapling	20.0	35		Doesnt appear to be a plantation. JP is just now reaching merchantability. Some of it has reached pole sized.
10	42210 - Natural Red Pine	Medium Density Pole	69.3	46	1-50	TS# 720480601 Thundermug Oak. finished fall 09. A wild fire entered a portion of the stand off the private land. Red pine was left from the previous harvest. Minimal regen from the shelterwood. Lots of snow, so any regen could be beneath snow if it is not tall enough. What regen is tall enough has signs of browse from Elk. I saw elk tracks while out doing inventory, and I also came across some cow elk walking down one of the trails. Cored several Red Pine, got mixed numbers. Took an average.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	4130 - Aspen	High Density Pole	231.3	36	1-50	Stand continues onto the compartment to the North. Data collected very closely matched adjacent data.  Notes from Adjacent Compt. Was cut merch up by 1976 under timbersale permits 10-73A & 48-74A. The bulk of the permit area was in comp 289 to the south. Stand almost through transitioning into the pole class, with larger pole/small saw residual from the cut. BTA with oak & RM associates. Oak is the real stand out in terms of growth & vigor; some of the sprout-origin stems are into the small saw class. Stand has a small opening in the middle & a line of mature trees along the recent harvest boundary to the N.
13	4121 - Oak, Aspen	High Density Log	10.0	71	81-110	Aspen in the adjacent stands all have hypox and its starting to move into this stand as well. Aspen is very variable in size throughout the stand. Oak is decent condition
14	4123 - Red Oak	High Density Log	62.2	88	51-80	This stand was cut two entries ago. It appears as if all aspen was removed at the time. Aspen has regenerated well, but is now showing signs of Hypox. Oak is still hanging in there pretty well, soils are PARVHA/PARVVB. There are a handful of large RP mixed throughout the stand. Terrain is gently rolling hills.
15	4125 - Black, N. Pin Oak	High Density Sapling	64.7	26		Stand was cut in 1988. Has regenerated nicely. Dense stand with oak and aspen mixed in. Quality is decent.
16	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	54.2	6		Final harvested summer 2007 under contract 72-014-06-01 Impoundment Jack. FTP 72-570 filed and stand trenched late summer. Stand has not been planted (9-11-2007). Planted Jack Pine May, 2008 per C72-570.  Stand has some pockets of aspen mixed in the stand. Oak is having pretty heavy browse.  I saw a Rooster Pheasant in this stand along Walsh Road.
17	4121 - Oak, Aspen	High Density Pole	36.2	80		I was having GPS trouble when I inventoried this stand. Realized the data I collected was for a different stand upon final data entry. I will try and get back out and update this info once the weather improves.
18	42250 - Pine, Oak	High Density Pole	9.0	80		Stand is almost all very old jack pine. Has some oak mixed in the stand. JP is old and starting to drop stems throughout the stand. Mortality will likely increase over the next few years. It falls within the Riparian zone for Big Creek Impoundment so management will have to follow the restrictions.  Previous Comments : Mature Jack Pine stand mixed with some Oak and upland brush. Stand borders Walsh Road on the west side and the east side of stand borders the Big Creek Impoundment. There are several two track and grassy patches throughout the stand. These grassy patches in the past were used for camping, but is now posted as no camping. Stand falls within the riparian zone and no treatment is recommended. Also, since the Impoundment dam as been fixed, Fisheries Division has raised the water level of the Impoundment which has caused some flooding of some of the low areas of Jack Pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42220 - Natural Jack Pine	High Density Pole	70.2	77		Old jack pine again. Some larger stems possibly log sized. Occasional large diameter RP mixed in as well. Similar to the stand directly to the south, but this stand has minimal aspen component. A few JP stems are starting to drop out of the canopy.
20	4131 - Aspen, Oak	High Density Sapling	38.3	26		Stand was cut in 1988 according to previous inventory. It has regenerated nicely. Stand is very dense and approaching pole sized. Powerline corridor bisects the stand. Quality is decent.
23	4125 - Black, N. Pin Oak	High Density Sapling	64.2	6		Stand harvested in Feb 2008 under contract 72-051-06-01 Powerline Jack. Jack Pine planted May, 2010 per C72-597. Stand has decent oak regen, some aspen pockets mixed in as well. Jack Pine has not reached 3' yet, but it is coming along.  Management Objective was changed to Oak at compt review, and we are accepting natural regen from previous treatment. FTP 72-597 will be dropped and there will be no planting of JP as FTP previously stated.
24	42250 - Pine, Oak	Medium Density Pole	4.8	80		Stand is almost all very old jack pine. Has some oak mixed in the stand. JP is old and starting to drop stems throughout the stand. Mortality will likely increase over the next few years. It falls within the Riparian zone for Big Creek Impoundment so management will have to follow the restrictions.  Previous Comments : Mature Jack Pine stand mixed with some Oak and upland brush. Stand borders Walsh Road on the west side and the east side of stand borders the Big Creek Impoundment. There are several two track and grassy patches throughout the stand. These grassy patches in the past were used for camping, but is now posted as no camping. Stand falls within the riparian zone and no treatment is recommended. Also, since the Impoundment dam as been fixed, Fisheries Division has raised the water level of the Impoundment which has caused some flooding of some of the low areas of Jack Pine.
25	4199 - Other Mixed Upland Deciduous	High Density Sapling	9.7	31		Nice mixed stand, not much size to it at all. Has a pocket of large JP in it to the NE. Stand is approaching pole sized in spots. Still relatively small overall.
26	42260 - Natural Pine, Mixed Deciduous	High Density Pole	27.2	56		Stand is not quite as dense as the stand to the south, thats the only reason they are split. There are some larger diameter RP along the road edges and mixed throughout. Aspen is isolated to small pockets, decent mix of size classes. Ages varied quite a bit, I took several ages and used an average.
28	42220 - Natural Jack Pine	High Density Pole	22.4	64	51-80	This stand contains a portion of the Walsh Road Horse trail camp. JP is fairly healthy, but obviously getting old. Aspen is scattered throughout the stand, making up a fairly small component of it. Single stems of Jack Pine are starting to drop out of the stand. Age is starting to take its toll.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	50 - Water	1.8	No	Unspecified	
11	3105 - Mixed Upland Herbaceous	12.2	No	Unspecified	Stand is borderline forested/non forested. Was listed as a U type and a G type last time. Trees are scattered and open grown. Lots of deer tracks in the area. Wildlife is using this stand.
21	3102 - Grass	9.5	No	Unspecified	
22	50 - Water	26.3	No	Unspecified	
27	3303 - Mixed Low Density Trees	1.9	No	Unspecified	Do nothing.