



**Gwinn Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment 272      Entry Year: 2014**  
**Compartment Acreage: 747      County: Marquette**

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**Revision Date:** 8/20/12

**Stand Examiner:** Dean Wilson

**Legal Description:** T45N-R28W, Sections 14, 23

**RMU (if applicable):** Chain Lakes Moraine Management Area

**Management Goals:** Mixed use.

**Soil and Topography:** Upland soils are primarily sandy loams. The terrain ranges from level to rolling to slightly hilly.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Large private land holdings border the north and south sides of this tract. The east and west sides for the most part are State land.

**Unique, Natural Features:** *see MNFI database.* Potential for wood turtle along Camp Eleven Creek. Potential for calypso bulbosa and Cypripedium arietinum in cedar swamp.

**Archeological, Historical, and Cultural Features:** None identified with HAL

**Special Management Designations or Considerations:** Special conservation areas are designated to protect riparian areas.

**Watershed and Fisheries Considerations:** The Camp Eleven Creek, a quality trout stream, flows through this compartment.

**Wildlife Habitat Considerations:** Featured species include black bear, gray jay, northern goshawk, pileated woodpecker and red crossbill.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured glacial till, peat and muck and glacial outwash sand and gravel and postglacial till. The glacial drift thickness varies from insufficient data up to 200 feet. The Precambrian Archean Granite/Gneiss subgroups below the glacial drift. This rock could be used as dimension stone. Gravel pits are located in the area, and potential appears to be good on the upland areas. The abandoned Republic iron mine is located eight miles to the northwest. This compartment has not been previously leased for metallic exploration, but there was previous leasing to the south. There is no economic oil and gas production in the UP.

**Vehicle Access:** Is limited or restricted in this compartment.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** There are no developed recreational facilities in this compartment.

**Fire Protection:** Fire risk is low to moderate.

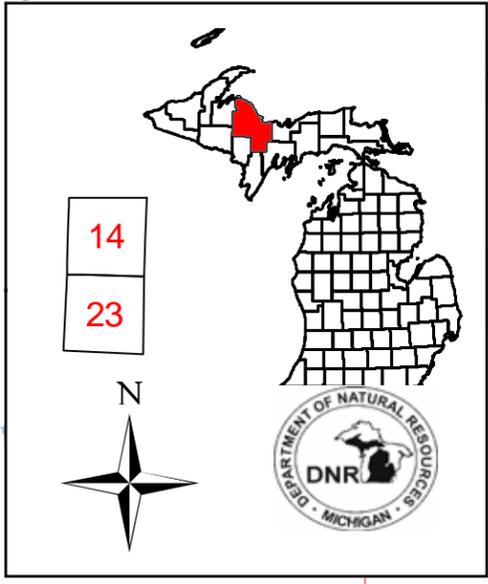
**Additional Compartment Information:**

- **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

Compartment: 272  
 T45N R28W Sec. 14, 23  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2014  
 Acres: 747 GIS Calculated  
 Examiner: Dean Wilson  
 Map Revised: 08/28/2012  
 Map Phase: Pre-Review

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



**Legend**

- Survey Grade Corners
- Remonumented Section Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Pipeline
- Lakes and Rivers
- State Forest Land

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)

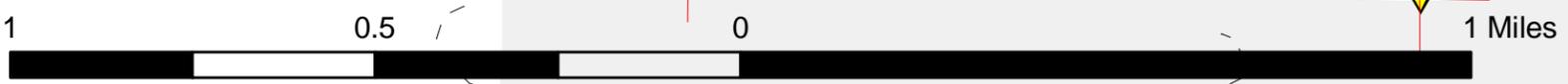
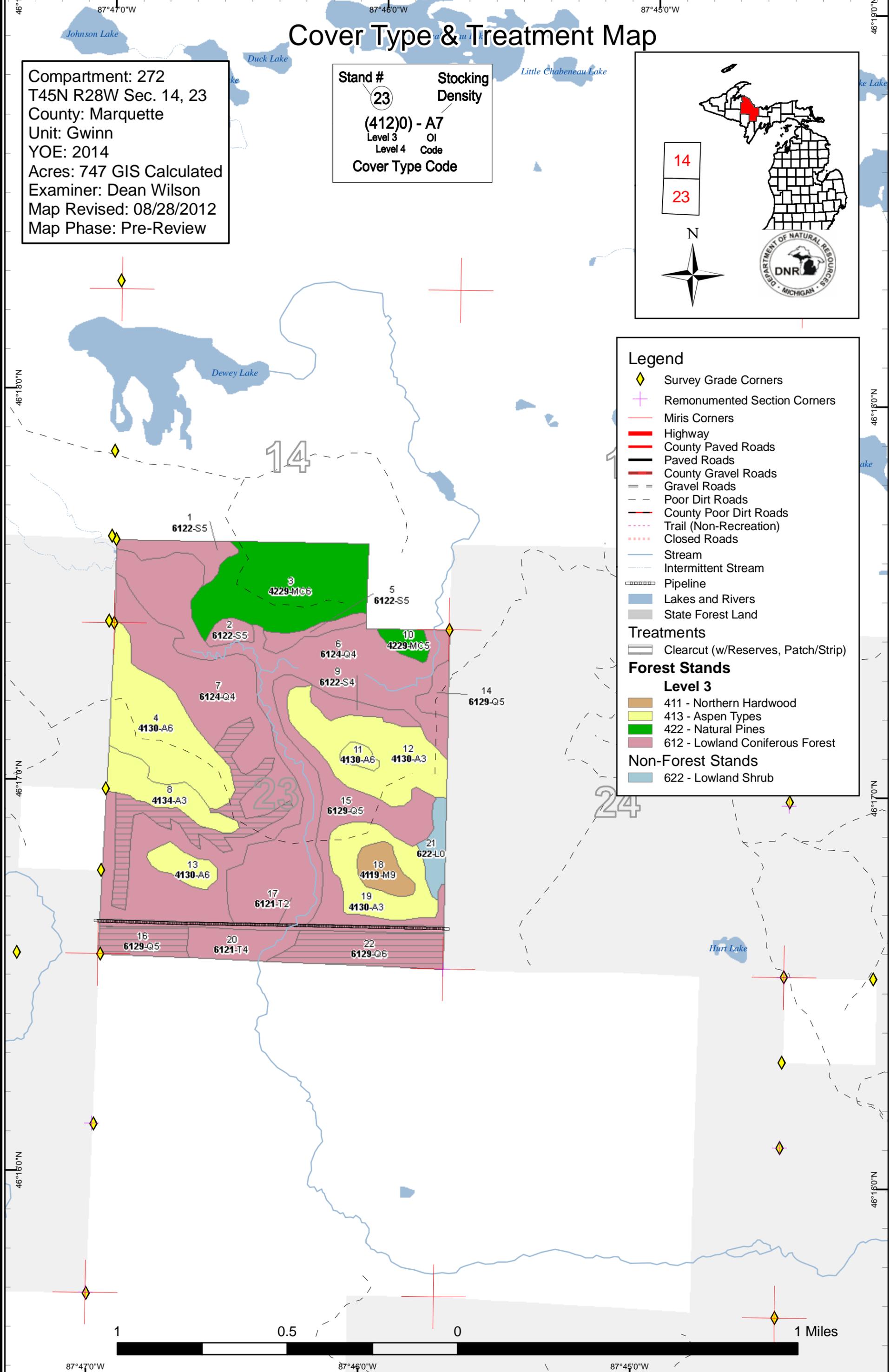
**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

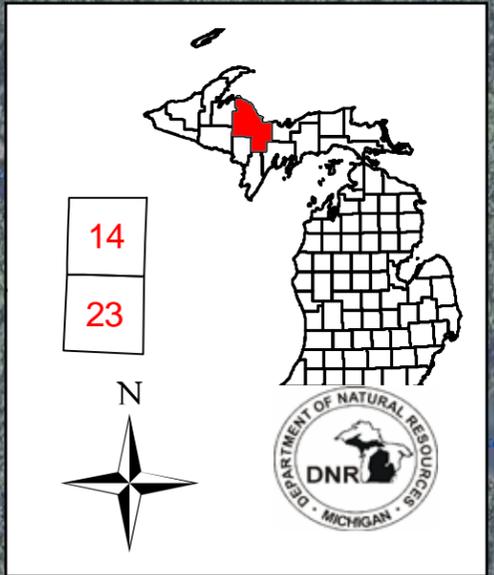
- 622 - Lowland Shrub



# Stand Boundary Map

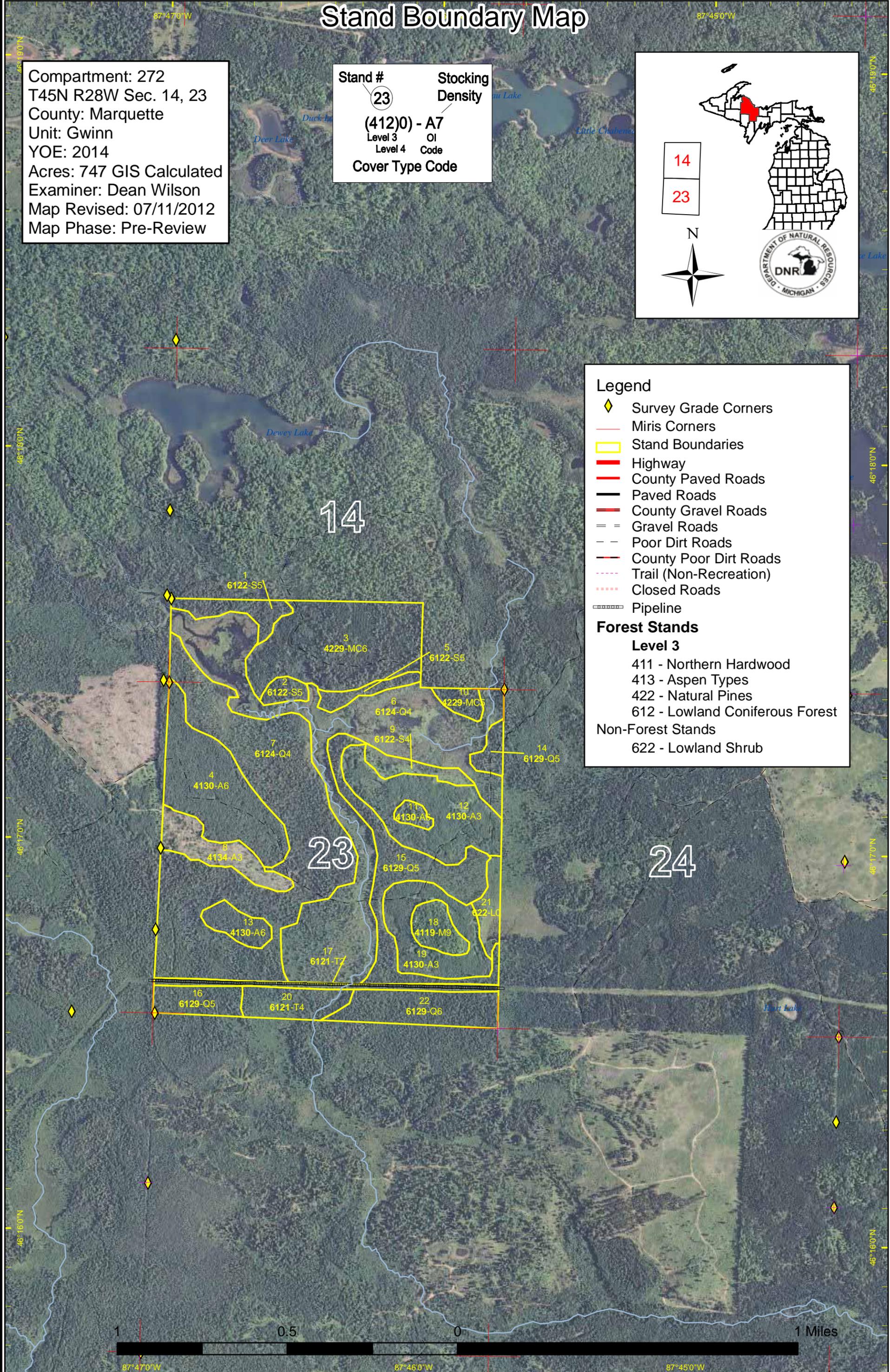
Compartment: 272  
 T45N R28W Sec. 14, 23  
 County: Marquette  
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 Acres: 747 GIS Calculated  
 Examiner: Dean Wilson  
 Map Revised: 07/11/2012  
 Map Phase: Pre-Review

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



## Legend

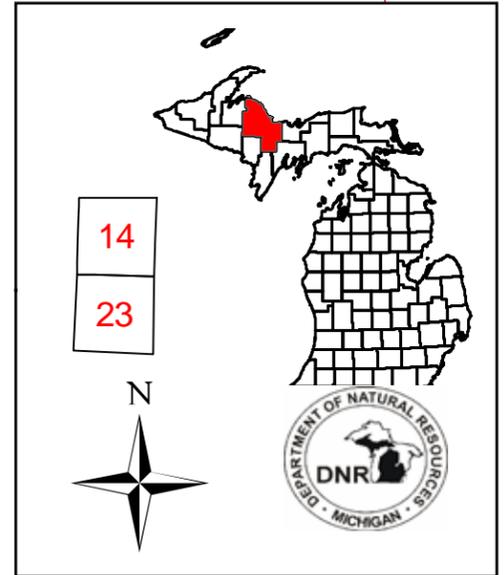
- Survey Grade Corners
  - Miris Corners
  - Stand Boundaries
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Pipeline
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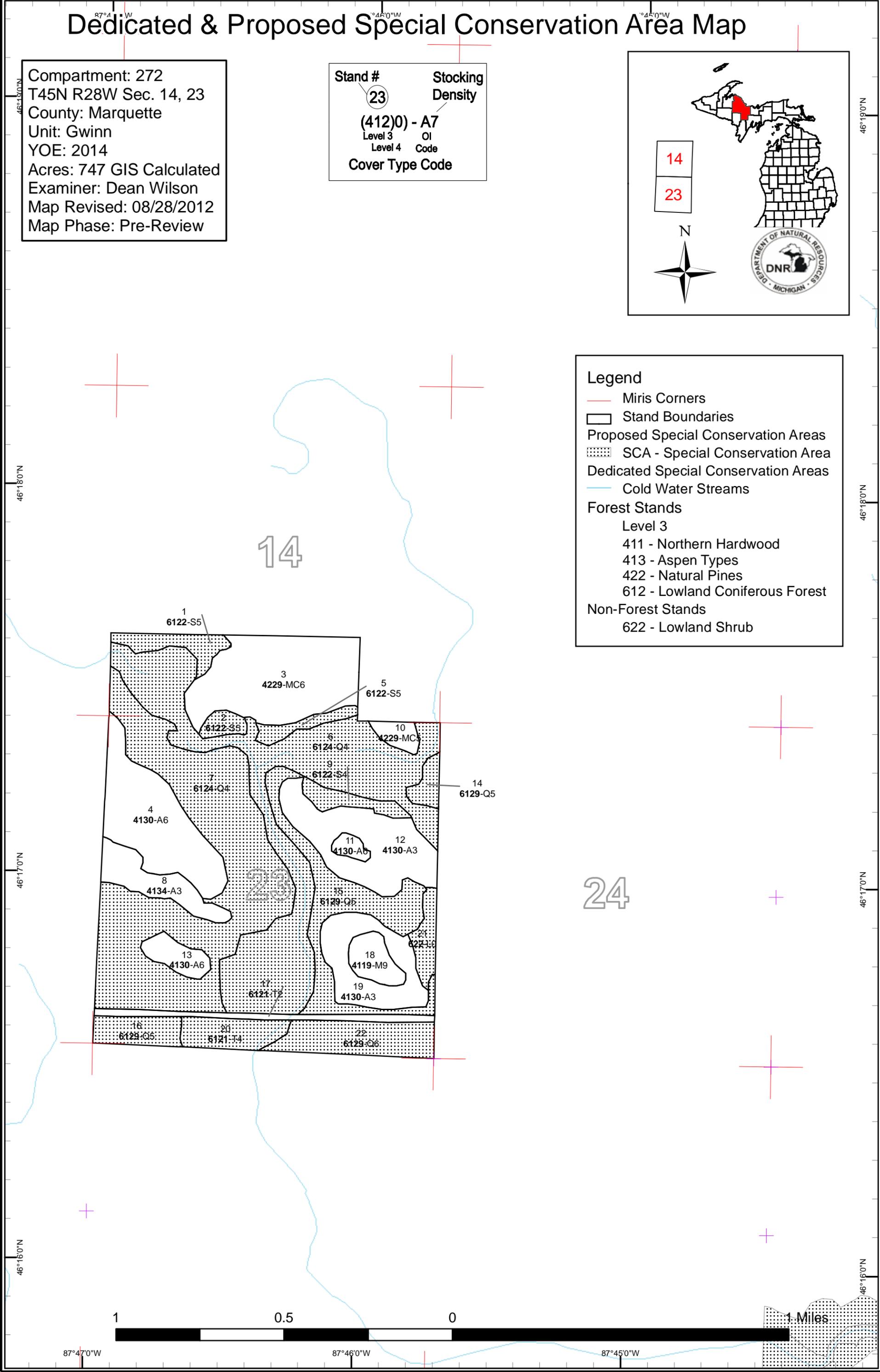
# Dedicated & Proposed Special Conservation Area Map

Compartment: 272  
 T45N R28W Sec. 14, 23  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2014  
 Acres: 747 GIS Calculated  
 Examiner: Dean Wilson  
 Map Revised: 08/28/2012  
 Map Phase: Pre-Review

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



- Legend**
- Miris Corners
  - Stand Boundaries
  - Proposed Special Conservation Areas
  - ▤ SCA - Special Conservation Area
  - ▥ Dedicated Special Conservation Areas
  - Cold Water Streams
  - Forest Stands
  - Level 3
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 422 - Natural Pines
  - 612 - Lowland Coniferous Forest
  - Non-Forest Stands
  - 622 - Lowland Shrub



**Table 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	21	83	0	67	0	0	0	0	4	0	0	0	0	0	175
Lowland Conifers	0	0	0	0	0	0	0	0	410	0	0	0	0	0	410
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	34	0	0	0	0	0	34
Natural Mixed Pines	0	0	78	0	0	0	0	0	0	0	0	0	0	0	78
Northern Hardwood	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Tamarack	0	12	0	0	0	0	0	0	17	0	0	0	0	0	30
<b>Total</b>	<b>31</b>	<b>95</b>	<b>78</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>477</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>747</b>



## Table 2 – Proposed Treatment Summaries

**Gwinn Mgt. Unit**  
**Year of Entry 2014**

**Compartment 272**  
**Total Compartment Acres: 747.4**

### Acres by Treatment Type

Commercial Harvest - 78	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
<b>Lowland Conifers</b>	78	0	0	0	0	0	78
<b>Total</b>	78	0	0	0	0	0	78



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
7	32272007-Cut	34.2	6124 - Lowland Spruce-Fir	Low Density Pole	87	1-50	Harvest	Patch or Strip Clearcut	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal

Prescription Patch and strip cut 1\4 to 1\3 of this stand. Strips one chain wide to connect one to two acre patches.  
Specs:

Other No retention within strips  
Comments:

Next Check for regeneration per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2013

16	32272016-Cut	14.2	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	87	51-80	Harvest	Patch or Strip Clearcut	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal
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Prescription Clearcut with reserves one chain wide strips connection patches that are one to two acres in size.  
Specs:

Other Retain all cedar.  
Comments:

Next Check for regeneration per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2013

22	32272022-Cut	29.4	6129 - Mixed Coniferous Lowland Forest	High Density Pole	89	111-140	Harvest	Patch or Strip Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
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Prescription Clearcut with reserves one chain wide strips connecting patches that are one to two acres in size.  
Specs:

Other Retain all cedar.  
Comments:

Next Check for regeneration per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2013

**Total Treatment  
Acreage Proposed: 77.8**

**Table 4 -- Treatments Prescribed with  
a Limiting Factor**



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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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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment  
Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



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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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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: #Error

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**Total Treatment**  
**Acreage Proposed: 0**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	Medium Density Pole	12.2	80	51-80	SCA = Riparian zone protection for lakes and streams that form the headwaters of the Camp Eleven Creek.
2	6122 - Black Spruce	Medium Density Pole	5.4	80	1-50	SCA = Riparian zone protection for lakes and streams that form the headwaters of the Camp Eleven Creek.
3	42290 - Natural Mixed Pine	High Density Pole	71.7	26	51-80	Cut in 1986: TS# 2-84. Some areas planted to jack pine and others to red pine. More natural regeneration than planted. Red and white pine along with various other species retained when cut. Stand contains inclusions of some larger groves of red pine sawtimber and aspen.
4	4130 - Aspen	High Density Pole	56.6	36	51-80	Harvested in 1976: TS# 18-74A.
5	6122 - Black Spruce	Medium Density Pole	7.2	80	1-50	SCA = Riparian zone protection for lakes and streams that form the headwaters of Camp Eleven Creek.
6	6124 - Lowland Spruce- Fir	Low Density Pole	152.8	87	1-50	SCA = Riparian zone protection for the Camp Eleven Creek.
7	6124 - Lowland Spruce- Fir	Low Density Pole	159.9	87	1-50	SCA = Riparian zone protection for the Camp 11 Creek and serves as a wildlife corridor. Wide ranging stocking and species composition.
8	4134 - Aspen, Spruce/Fir	High Density Sapling	21.1	3		Harvested in 2010: TS# 333-07-01.
9	6122 - Black Spruce	Low Density Pole	9.3	87	1-50	SCA = Riparian zone protection for the Camp Eleven Creek.
10	42290 - Natural Mixed Pine	Medium Density Pole	6.2	26	1-50	Harvested in 1986: TS# 2-84. Red and white pine, and other miscellaneous species retained. Two storied stand.
11	4130 - Aspen	High Density Pole	4.0	87	81-110	This patch was left for retention when surrounding area was cut.
12	4130 - Aspen	High Density Sapling	50.2	16		Harvested in 1996: TS# 17-94.
13	4130 - Aspen	High Density Pole	10.3	36	51-80	Harvested in 1976: TS# 18-74A.
14	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	6.2	87	51-80	SCA = Riparian zone protection for the Camp Eleven Creek.
15	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	47.7	87	51-80	SCA = Riparian zone protection for the Camp Eleven Creek.
16	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	14.2	87	51-80	SCA = Part of a winter deer yard complex.

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Gwinn Mgt. Unit

## 5 – Forested Stands

Compartment: 272  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	6121 - Tamarack	Medium Density	12.3	10		Abandoned ELF right of way.
18	4119 - Mixed Northern Hardwoods	High Density Log	11.5	87	81-110	Selectively cut in 1996: TS# 17-94.
19	4130 - Aspen	High Density Sapling	32.4	16		Harvested in 1996: TS# 17-94.
20	6121 - Tamarack	Low Density Pole	17.3	87	1-50	SCA = Riparian zone protection for the Camp Eleven Creek.
22	6129 - Mixed Coniferous Lowland Forest	High Density Pole	29.4	89	111-140	SCA = Part of a winter deer yard complex.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
21	6223 - Inundated Shrub Swamp	9.6	No	Unspecified	

**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.

<b>Stand</b>	<b>SCA Type</b>	<b>SCA Name</b>	<b>Acres</b>	<b>Comments</b>
16	Unique Site - SCA	32_SCA	410.4	SCA = Part of a winter deer yard complex. SCA = Riparian zone protection for the Camp 11 Creek and serves as a wildlife corridor.
16	Unique Site - SCA	32_SCA1	60.8	SCA = Part of a winter deer yard complex.



**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.

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

Conservation Area	Type	Description
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.