



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32062

Entry Year 2016

Acreage: 1728.23920000

County Marquette

Management Area: Ralph Ground Moraine

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**Revision Date:** 2014-09-16

**Stand Examiner:** Kevin LaBumbard

**Legal Description:**

T43N R26W, Sections 16,17,18

**Identified Planning Goals:**

To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

**Soil and topography:**

Terrain ranges from level swamps and wetland drainages to rolling and slightly hilly uplands. Major soil types are Onaway fine sandy loam, Carbondale and Tawas soils, Emmet-Escanaba Complex, Onaway-Nadeau fine sandy loam.

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

This compartment contains private ownership in larger blocks with a fair amount of state land blocked by gated private access.

**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:**

Large deer wintering complex.

**Watershed and Fisheries Considerations:**

Several tributaries to Gleason Creek.

**Wildlife Habitat Considerations:**

Compartment 62 is found within the Ralph Ground Moraine Management Area; on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are: early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes.

The following have been identified as featured species for Chain Lakes Management Area: American woodcock, black bear, Northern goshawk, ruffed grouse, and whitetail deer.

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

Surface sediments consist of medium-textured till (drumlin area). There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau Formation subcrops below the glacial drift. The Trempealeau could be used for stone. Several gravel pits are located in this area and there is potential on the upland areas. Abandoned iron mines are located twelve miles to the northeast. Section 18 is leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Ross Grade is the primary road for access and is DNR maintained. Numerous 2-tracks are located in the compartment. Section 18 is accessed via Shultz Rd in Dickinson County.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

This is a good hunting area but the general public is not well liked by the local camp owners.

**Fire Protection:**

This compartment has a low risk for fire, and access is good.

**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:**

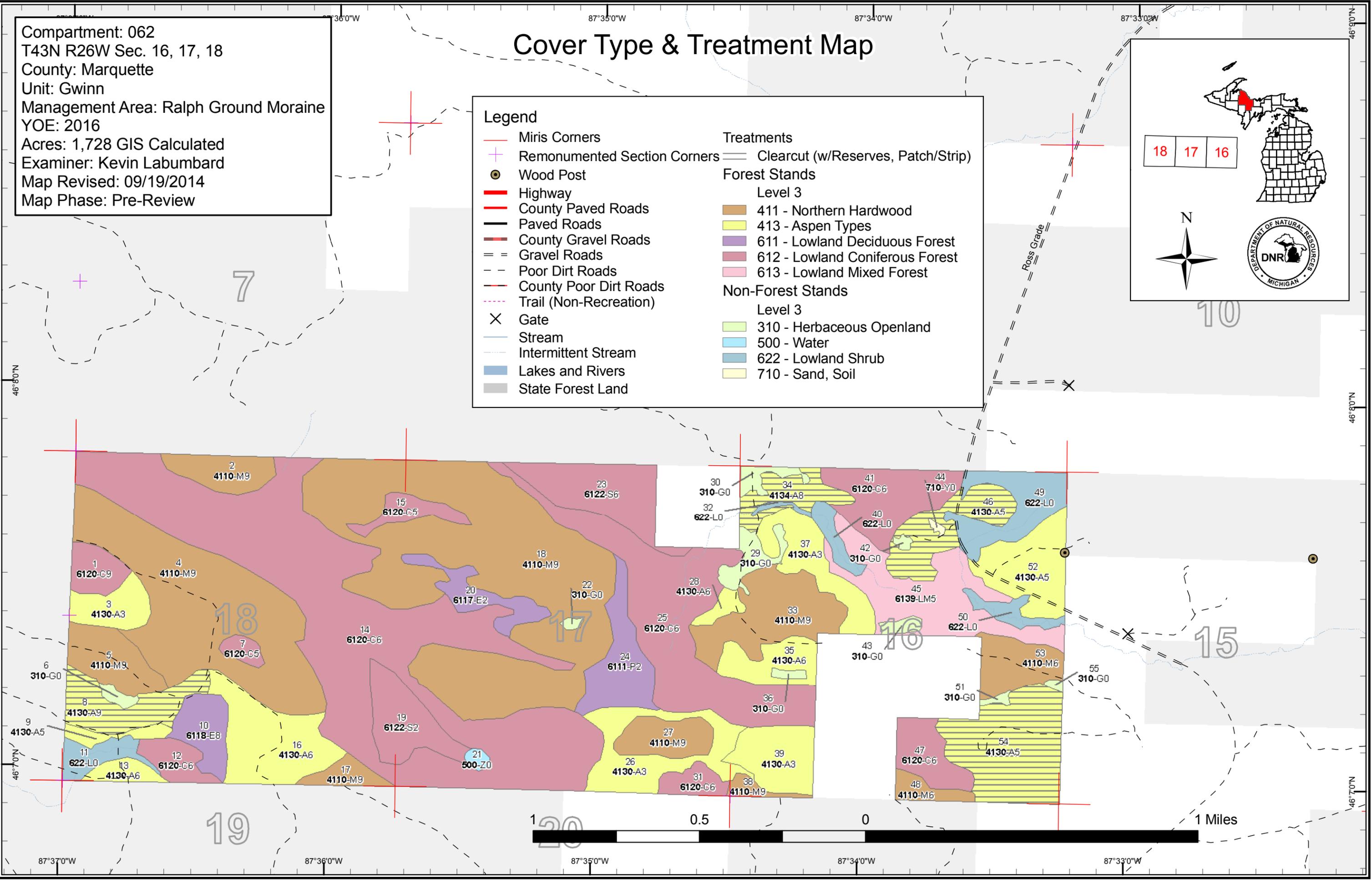
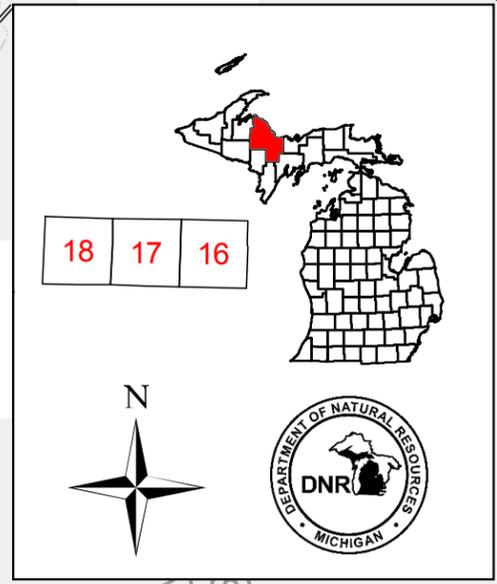
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Compartment: 062  
 T43N R26W Sec. 16, 17, 18  
 County: Marquette  
 Unit: Gwinn  
 Management Area: Ralph Ground Moraine  
 YOE: 2016  
 Acres: 1,728 GIS Calculated  
 Examiner: Kevin Labumbard  
 Map Revised: 09/19/2014  
 Map Phase: Pre-Review

# Cover Type & Treatment Map

**Legend**

—+—	Miris Corners	—	Clearcut (w/Reserves, Patch/Strip)
+—+—	Remonumented Section Corners	—	Forest Stands
●	Wood Post	Level 3	
—	Highway	411 - Northern Hardwood	
—	County Paved Roads	413 - Aspen Types	
—	Paved Roads	611 - Lowland Deciduous Forest	
—	County Gravel Roads	612 - Lowland Coniferous Forest	
—	Gravel Roads	613 - Lowland Mixed Forest	
—	Poor Dirt Roads	Non-Forest Stands	
—	County Poor Dirt Roads	Level 3	
—	Trail (Non-Recreation)	310 - Herbaceous Openland	
×	Gate	500 - Water	
—	Stream	622 - Lowland Shrub	
—	Intermittent Stream	710 - Sand, Soil	
—	Lakes and Rivers		
—	State Forest Land		



87°37'0"W    87°36'0"W    87°35'0"W    87°34'0"W    87°33'0"W  
 46°7'0"N    46°7'0"N    46°7'0"N    46°7'0"N    46°7'0"N

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 Map Revised: 08/28/2014  
 Map Phase: Pre-Review

# Stand Boundary Map

## Legend

- Miris Corners
- Stand Boundaries
- Remonumented Section Corners
- Wood Post
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Gate
- Stream
- Intermittent Stream

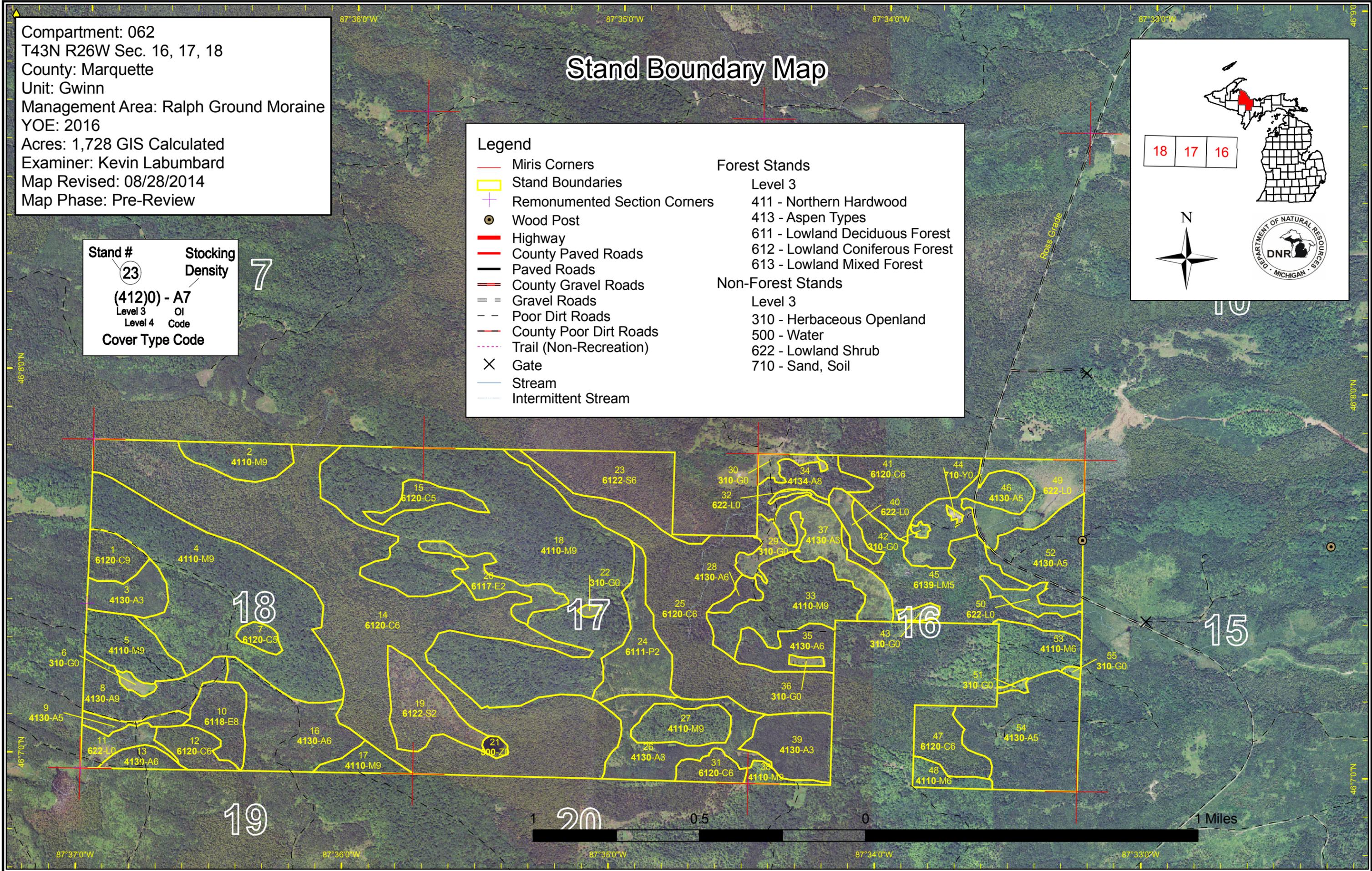
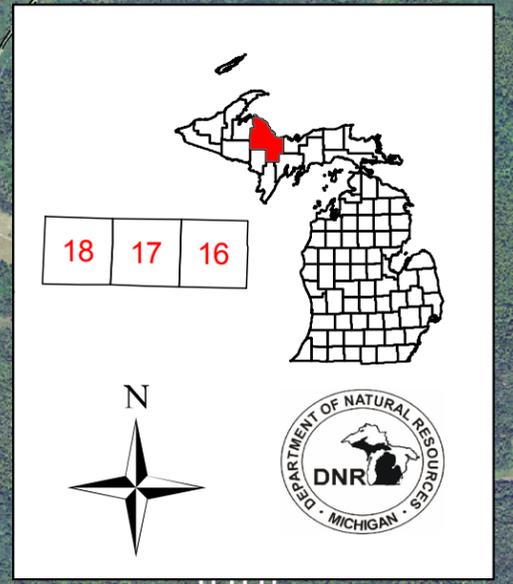
## Forest Stands

- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest

## Non-Forest Stands

- Level 3
- 310 - Herbaceous Openland
  - 500 - Water
  - 622 - Lowland Shrub
  - 710 - Sand, Soil

Stand # **23**      Stocking Density **7**  
**(4120) - A7**  
 Level 3      OI  
 Level 4      Code  
 Cover Type Code



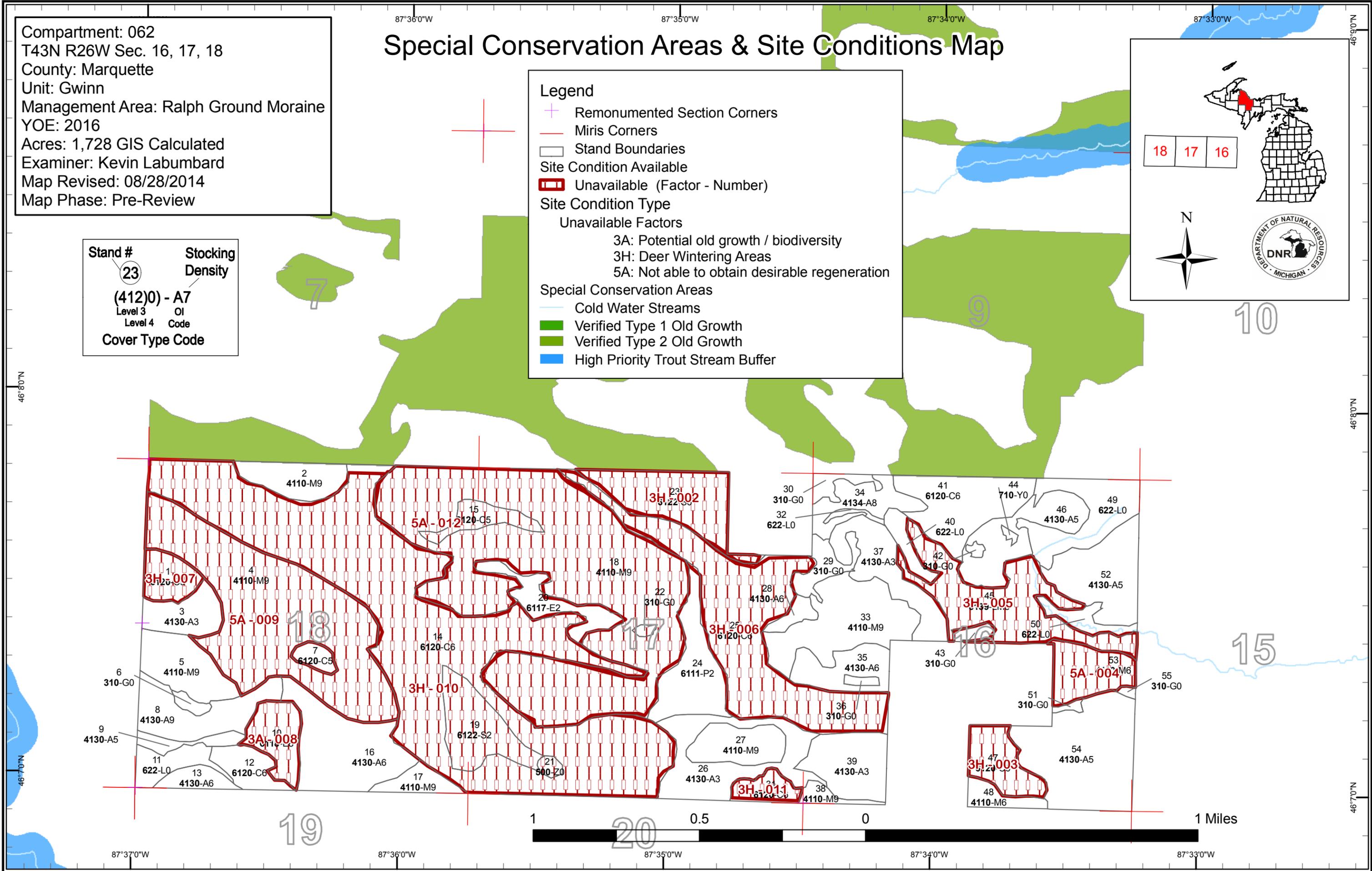
# Special Conservation Areas & Site Conditions Map

Compartment: 062  
 T43N R26W Sec. 16, 17, 18  
 County: Marquette  
 Unit: Gwinn  
 Management Area: Ralph Ground Moraine  
 YOE: 2016  
 Acres: 1,728 GIS Calculated  
 Examiner: Kevin Labumbard  
 Map Revised: 08/28/2014  
 Map Phase: Pre-Review

**Legend**

- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available
- Unavailable (Factor - Number)
- Site Condition Type
- Unavailable Factors
  - 3A: Potential old growth / biodiversity
  - 3H: Deer Wintering Areas
  - 5A: Not able to obtain desirable regeneration
- Special Conservation Areas
  - Cold Water Streams
  - Verified Type 1 Old Growth
  - Verified Type 2 Old Growth
  - High Priority Trout Stream Buffer

**Stand #**  
23  
**Stocking Density**  
**(4120) - A7**  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



# Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

Compartment 062 Year of Entry 2016

Kevin Labumbard : Examiner



	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	29	55	47	161	66	18	0	0	0	0	0	0	0	0	377
Cedar	0	0	0	0	0	0	0	0	0	50	0	18	446	0	514
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Aspen/Balsam Poplar	0	31	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Deciduous	0	18	0	0	0	0	0	0	0	0	0	0	19	0	38
Lowland Mixed Forest	0	0	0	0	0	0	0	0	60	0	0	0	0	0	60
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Spruce/Fir	0	0	0	0	0	0	0	30	41	0	0	0	0	0	71
Northern Hardwood	0	0	0	0	0	0	0	0	0	545	0	0	0	0	545
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>121</b>	<b>105</b>	<b>47</b>	<b>161</b>	<b>66</b>	<b>18</b>	<b>0</b>	<b>30</b>	<b>101</b>	<b>595</b>	<b>0</b>	<b>18</b>	<b>465</b>	<b>0</b>	<b>1728</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 062**  
**Total Compartment Acres: 1,728**

### Acres by Treatment Type

Commercial Harvest - 141	Tree Planting - 0	Other - 0
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>
<b>Aspen Types</b>	141	0	0	0	0	0	141
<b>Total</b>	141	0	0	0	0	0	141



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	32062008-Cut	29.3	4130 - Aspen	High Density Log	49		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest, retain wp, retain a few small patches of larger bigtooth aspen.										
<u>Specs:</u>										
<u>Other</u> Nice 4-5 stick aspen on fairly steep hillside. Mixed with bigtooth, white birch, and wp (primarily on west side).										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
34	32062034-Cut	18.5	4134 - Aspen, Spruce/Fir	Medium Density Log	59		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest retaining hardwood. Enough inaccessible aspen will be left to satisfy retention.										
<u>Specs:</u>										
<u>Other</u> Cloney aspen on steep ridges and flats. Hardwoods on ridge tops. Dense hazel in places. Allow aspen to convert to hardwoods on unnavigable slopes. Spruce budworm on north side spruce/fir.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
46	32062046-Cut	30.3	4130 - Aspen	Medium Density Pole	33		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Almost pure 3-5 stick aspen. Smaller dbh's in places. 40-100 ba. Stand is breaking up. Drought stress?										
<u>Specs:</u>										
<u>Other</u> Final harvest no reserves. Retain any white pine or cedar.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
54	32062054-Cut	62.9	4130 - Aspen	Medium Density Pole	36		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest all aspen, no retention to promote regeneration.										
<u>Specs:</u>										
<u>Other</u> Almost pure 3-4 stick aspen 50-90 ba average about 70 ba. The stand is breaking up, about 1/4 to 1/3 of the stand is dead and down. A few basswood clumps from stump sprouts. Illegal blind in the opening.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
<b>Total Treatment Acreage Proposed:</b>		<b>141.0</b>								



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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

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**Total Treatment**  
**Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Gwinn Mgt. Unit

Kevin Labumbard : Examiner

Compartment 062

Year of Entry 2016

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5A	3H	3A
	Available	Not Available					
376	376	0	Aspen	376		0	
512	74	439	Cedar	74	13	426	
31	31	0	Lowland Aspen/Balsam Poplar	31		0	
37	18	20	Lowland Deciduous	18	0	0	19
59	2	58	Lowland Mixed Forest	2		58	
71	2	70	Lowland Spruce/Fir	2		70	
543	281	262	Northern Hardwood	281	260	2	
1,631	783	848	Total Forested Acres	783	273	556	19
	48%	52%	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.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	3H: Deer Wintering Areas	39				
<b>Comments:</b>							
003	Not Available	3H: Deer Wintering Areas	20				
<b>Comments:</b>							
004	Not Available	5A: Not able to obtain desirable regeneration	22				
<b>Comments:</b>							
005	Not Available	3H: Deer Wintering Areas	59				
<b>Comments:</b>							

## Report 5 – Site Conditions

Gwinn Mgt. Unit

Kevin Labumbard : Examiner

Compartment 062

Year of Entry 2016

006 Not Available 3H: Deer Wintering Areas 105

Comments:

007 Not Available 3H: Deer Wintering Areas 13

Comments:

008 Not Available 3A: Potential old growth /  
biodiversity 19

Comments:

Type 2 old growth.

010 Not Available 3H: Deer Wintering Areas 317

Comments:

011 Not Available 3H: Deer Wintering Areas 9

Comments:

012 Not Available 5A: Not able to obtain  
desirable regeneration 253

Comments:



### 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
<b>Comments</b>				



## 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	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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Log	13.6	140		Former SCA P.O.G Cedar with associated species.
2	4110 - Sugar Maple Association	High Density Log	19.0	99		Island of hardwood in cedar swamp. Potential Type 2 old growth. Previous inventory comments and data: Upland area where fir has died out. Big hardwood is poor timber quality. Big cedar on uplands 16-20" dbh. Good potential on sugar maple poles. Some larger sugar, red maple and basswood 18-20" dbh. 90 ba avg.
3	4130 - Aspen	High Density Sapling	17.4	13		2-3" A3 30-40' tall. Cut in 2001 by Mark Johnson under contract # 026-96-01.
4	4110 - Sugar Maple Association	High Density Log	140.2	99	111-140	Good quality hardwood stand. Concerned with the ironwood regen. There is some older sugar maple saplings among the ironwood but no new recruitment. Scattered wp south central. Last cut 1997-2000 under contract # 026-96-01.
5	4110 - Sugar Maple Association	High Density Log	25.8	99	81-110	NW ridge, Good quality hardwoods in in 1978 and again in 2007 contract #13-06-01. Ironwood heavy 4' tall in gaps. Dense sugar maple seedlings but only knee height.
7	6120 - Lowland Cedar	Medium Density Pole	5.3	114		Island of cedar, yb, ash, and hemlock in a large M9 stand.
8	4130 - Aspen	High Density Log	29.3	49		Nice 4-5 stick aspen on fairly steep hillside. Mixed with bigtooth, white birch, and wp (primarily on west side).
9	4130 - Aspen	Medium Density Pole	6.7	32		Nice young 3 stick aspen.
10	6118 - Lowland Deciduous with Cedar	Medium Density Log	19.3	140		Large cedar with associated species. Several of the cedar were measured over 20" dbh. Very wet. Possible type 2 old growth.
12	6120 - Lowland Cedar	High Density Pole	13.1	114		Nice cedar, well stocked. Some black spruce areas.
13	4130 - Aspen	High Density Pole	7.9	32		Health young 3 stick almost pure aspen.
14	6120 - Lowland Cedar	High Density Pole	292.6	160		Part of a large cedar stand spanning several compartments-variable stocking levels 80-130 ba, Some areas contain a higher percentage of black spruce.
15	6120 - Lowland Cedar	Medium Density Pole	11.5	94		a mix of cedar and E type.
16	4130 - Aspen	High Density Pole	47.8	32		Almost pure aspen, upland with some wetter areas. Bigtooth in patches.
17	4110 - Sugar Maple Association	High Density Log	9.2	99	81-110	Good quality hardwood stand. Manage with larger stand in compt 63.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4110 - Sugar Maple Association	High Density Log	247.9	98	111-140	Unevenaged except missing saplings. High site quality. Pockets of good w. ash regen in moister locations. Last cut in 2000 by Marv Nelson # 27-99-01.
19	6122 - Black Spruce	Medium Density	30.0	78		SCA former P.O.G. also riparian stream corridor. OIPC comments: S4S3 2-4" avg dbh. Some 2-3 stick 5' poles but overall 3" average. Well stocked except cedar edge ecotone is poorly stocked.
20	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	18.3	15		Mostly balm with fir and a few aspen clones. Some sparse areas.
23	6122 - Black Spruce	High Density Pole	41.2	88		Comments from OIPC...A mix of thick S6 and S3. Some S5 areas with dead trees and 3" regeneration. Average size is 3-4 stick.
24	6111 - Lowland Balsam Poplar	Medium Density	31.5	19		Low, wet in places. Former P.O.G Riparian
25	6120 - Lowland Cedar	High Density Pole	109.5	160		Part of a large cedar stand spanning several compartments-variable stocking levels 80-130 ba, Some areas contain a higher percentage of black spruce.
26	4130 - Aspen	High Density Sapling	38.0	19		Well stocked A3.
27	4110 - Sugar Maple Association	High Density Log	19.6	99	81-110	Cut by Minerick # 12-06-01. Excellent sugar maple and w. ash regeneration, especially the east half. Good quality sawlog stand.
28	4130 - Aspen	High Density Pole	5.1	31		90 ba 4 stick aspen over sugar maple saps. Healthy, will easily hold 10 years.
31	6120 - Lowland Cedar	High Density Pole	9.7	160		Deer yard. Part of a large cedar stand spanning several compartments-variable stocking levels 80-130 ba, Some areas contain a higher percentage of black spruce.
33	4110 - Sugar Maple Association	High Density Log	47.5	98	81-110	Cut in 2002 by Sanville # 028-96-01. Poor regen except for good w. ash in places.
34	4134 - Aspen, Spruce/Fir	Medium Density Log	18.5	59		Cloney aspen on steep ridges and flats. Hardwoods on ridge tops. Dense hazel in places. Allow aspen to convert to hardwoods on unnavigable slopes. Spruce budworm on north side spruce/fir.
35	4130 - Aspen	High Density Pole	19.6	24		Nice 2-3 stick poles and saps over white ash saps. Stand is transition to a pole stand with approximately 50% poletimber.
37	4130 - Aspen	High Density Sapling	29.3	4		Cut summer of 2009 by Minerick #011-06-01.

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Gwinn Mgt. Unit

## Report 8 – Forested Stands

Compartment: 062  
Year of Entry: 2016

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	4110 - Sugar Maple Association	High Density Log	4.8	99	51-80	Thinned under contract #009-10-1 "Ross Creek Hardwoods" fall, 2013. Good quality hardwoods.
39	4130 - Aspen	High Density Sapling	27.5	24		Well stocked A3.
41	6120 - Lowland Cedar	High Density Pole	38.4	94		Mostly cedar with associated swamp conifers. SCA Deer yard.
45	6139 - Mixed Lowland Forest	Medium Density Pole	60.3	84		A mix of swamp conifers and black ash with beaver killed timber over tag alder and ash.
46	4130 - Aspen	Medium Density Pole	30.3	33		Almost pure 3-5 stick aspen. Smaller dbh's in places. 40-100 ba. Stand is breaking up. Drought stress?
47	6120 - Lowland Cedar	High Density Pole	20.3	160		Part of a large cedar stand spanning several compartments-variable stocking levels 80-130 ba, Some areas contain a higher percentage of black spruce.
48	4110 - Sugar Maple Association	High Density Pole	8.0	98	51-80	Cut in 2013-14 by Minerick (Brian Ericson) # 009-10-01 with the adjacent cmpt.
52	4130 - Aspen	Medium Density Pole	36.5	46		5 stick aspen with spruce/fir. Final harvest no retention.
53	4110 - Sugar Maple Association	High Density Pole	22.9	99	111-140	No sugar maple regeneration, carpet of sedge. Heavier ba north of the road.
54	4130 - Aspen	Medium Density Pole	62.9	36		Almost pure 3-4 stick aspen 50-90 ba average about 70 ba. The stand is breaking up, about 1/4 to 1/3 of the stand is dead and down. A few basswood clumps from stump sprouts. Illegal blind in the opening.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
6	310 - Herbaceous Openland	2.8	No	Unspecified	
11	6229 - Mixed lowland shrub	12.2	No	Unspecified	
21	50 - Water	2.4	No	Unspecified	Small pond.
22	3102 - Grass	1.2	No	Unspecified	
29	3105 - Mixed Upland Herbaceous	10.6	No	Unspecified	Grass opening with aspen clones and scattered white spruce.
30	310 - Herbaceous Openland	5.5	No	Unspecified	Grass opening with scattered aspen.
32	6220 - Alder/willow	1.7	No	Unspecified	
36	310 - Herbaceous Openland	1.7	No	Unspecified	
40	622 - Lowland Shrub	7.5	No	Unspecified	
42	3105 - Mixed Upland Herbaceous	1.2	No	Unspecified	
43	310 - Herbaceous Openland	3.1	No	Unspecified	
44	710 - Sand, Soil	0.8	No	Unspecified	Gravel pit.
49	6220 - Alder/willow	30.3	No	Unspecified	From OIPC Lowland brush mostly alder along Ross Grade and stream. Older beaver activity. Scattered small tamarack
50	622 - Lowland Shrub	8.3	No	Unspecified	
51	3102 - Grass	1.4	No	Unspecified	Grass opening, filling in.
55	310 - Herbaceous Openland	1.0	No	Unspecified	grass opening