



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 70

Entry Year 2015

Acreage: 1,273

County Marquette

Management Area: Ralph Ground Moraine

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## Revision Date:

Stand Examiner: Kevin LaBumbard

## Legal Description:

T43N R25W, Sections 31,32,33.

## 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 Emmet and Summerville fine sandy loams, Carbondale and Tawas muck soils, Mashek and Northland fine sandy loams, Escanaba loamy sand, Cathro-Ensly mucks.

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

State lands to the north and east with private south and west. There is a large private captive cervid and hog operation that borders this compartment in the southeast.

## 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:

Large springs form the headwaters of Hunters Brook.

## Wildlife Habitat Considerations:

Compartment 70 is found within the Ralph Ground Moraine Management Area; which is on Ground Moraines in northern Dickinson and southern Marquette Counties. The State Forest covers about 189,500 acres and is mostly contiguous. 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. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The Ralph Ground Moraine is a very large management area that is dominated by State ownership. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. The lowland conifer stands should be managed to benefit wintering deer. 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. This single management area represents 29% of the WUP's aspen resource and it is desirable to maintain this resource in a wide range of age classes. Some of the most significant 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 the Ralph Ground Moraine Management Area: American Woodcock, Black Bear, Northern Goshawk, Ruffed Grouse, and Whitetail Deer. However, the featured species concept does not preclude the management for other wildlife species within a particular MA, rather it is simply intended to be as a tool to help prioritize or focus habitat management.

For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

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

Sections 31 - 33, T43N-R25W, Marquette County

Surface sediments consist of medium-textured till (drumlin area). The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien Group subcrops below the glacial drift, and could be used for stone. Gravel pits are located in this area and there is potential especially the upland areas. Abandoned iron mines are located eleven miles to the north. Section 33 was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

## **Vehicle Access:**

Access is excellent from Little West Road, Co. Road SAH, Mashek Grade, and numerous 2-tracks.

## **Survey Needs:**

None needed at this time.

## **Recreational Facilities and Opportunities:**

This is a good hunting area for grouse and whitetail deer. With the excellent access, it receives a lot of public hunting pressure.

## **Fire Protection:**

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

## **Additional Compartment Information:**

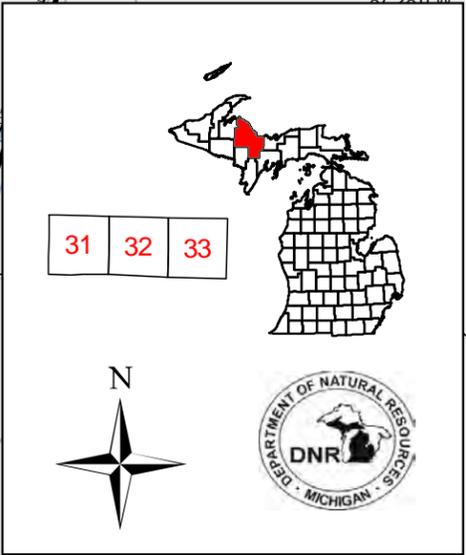
The following reports from the Inventory are attached:

- 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: 070  
 T43N R25W Sec. 31, 32, 33  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2015  
 Acres: 1,273 GIS Calculated  
 Examiner: Kevin LaBumbard  
 Map Revised: 08/08/2013  
 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**

- 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
- Pipeline
- Powerline
- Snowmobile Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

**Forest Stands**

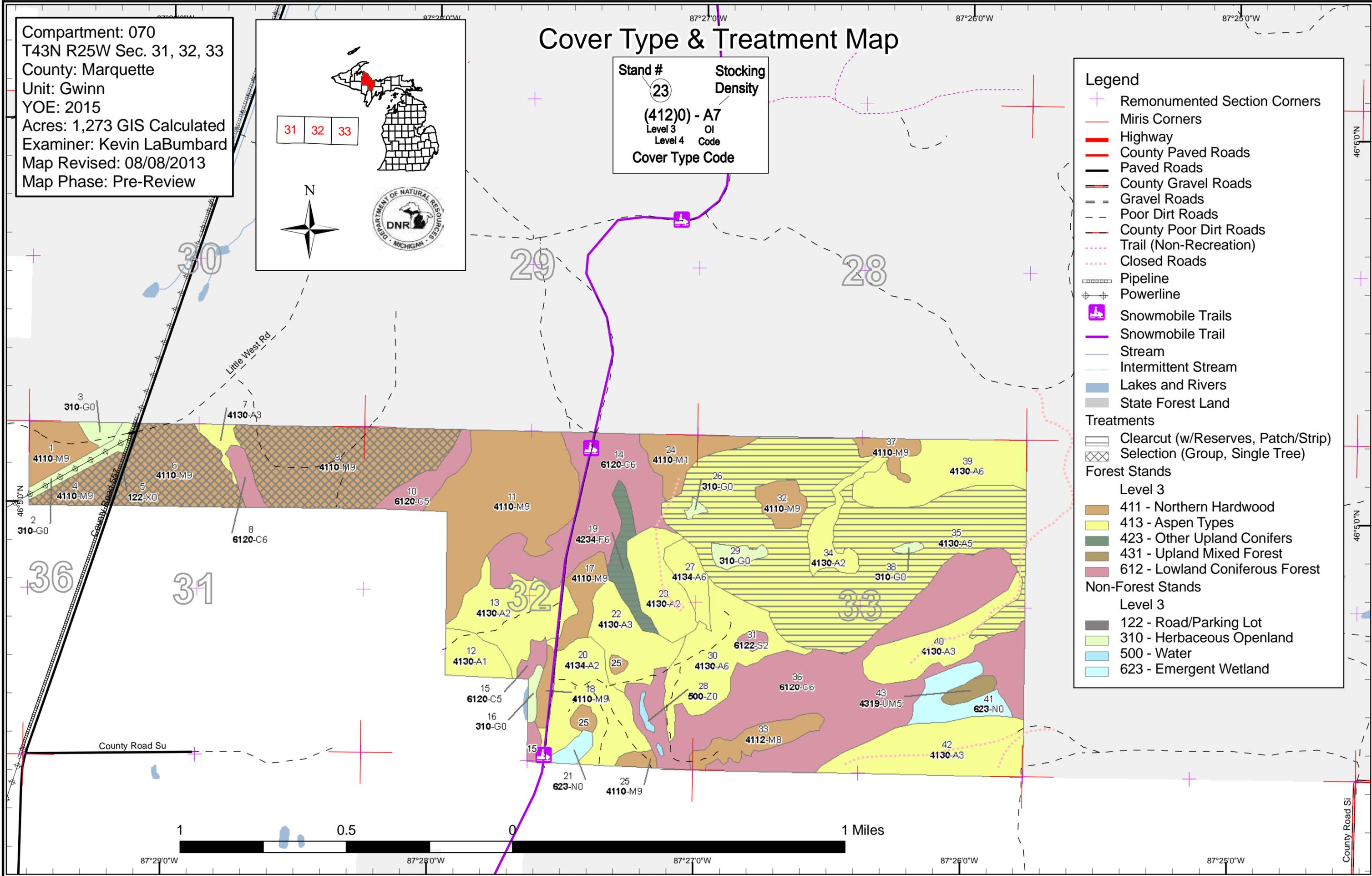
**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

**Level 3**

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 623 - Emergent Wetland

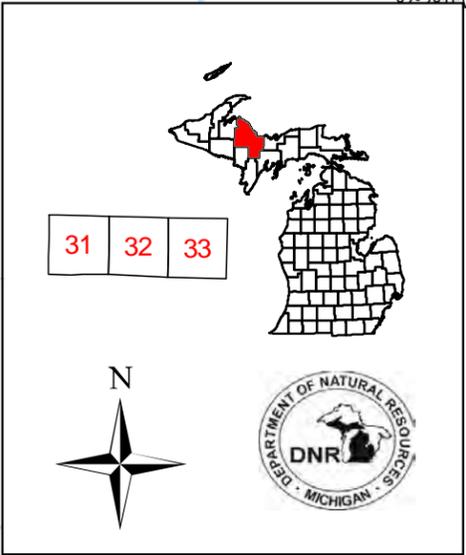




# Special Conservation Areas & Site Conditions Map

87°25'0"W

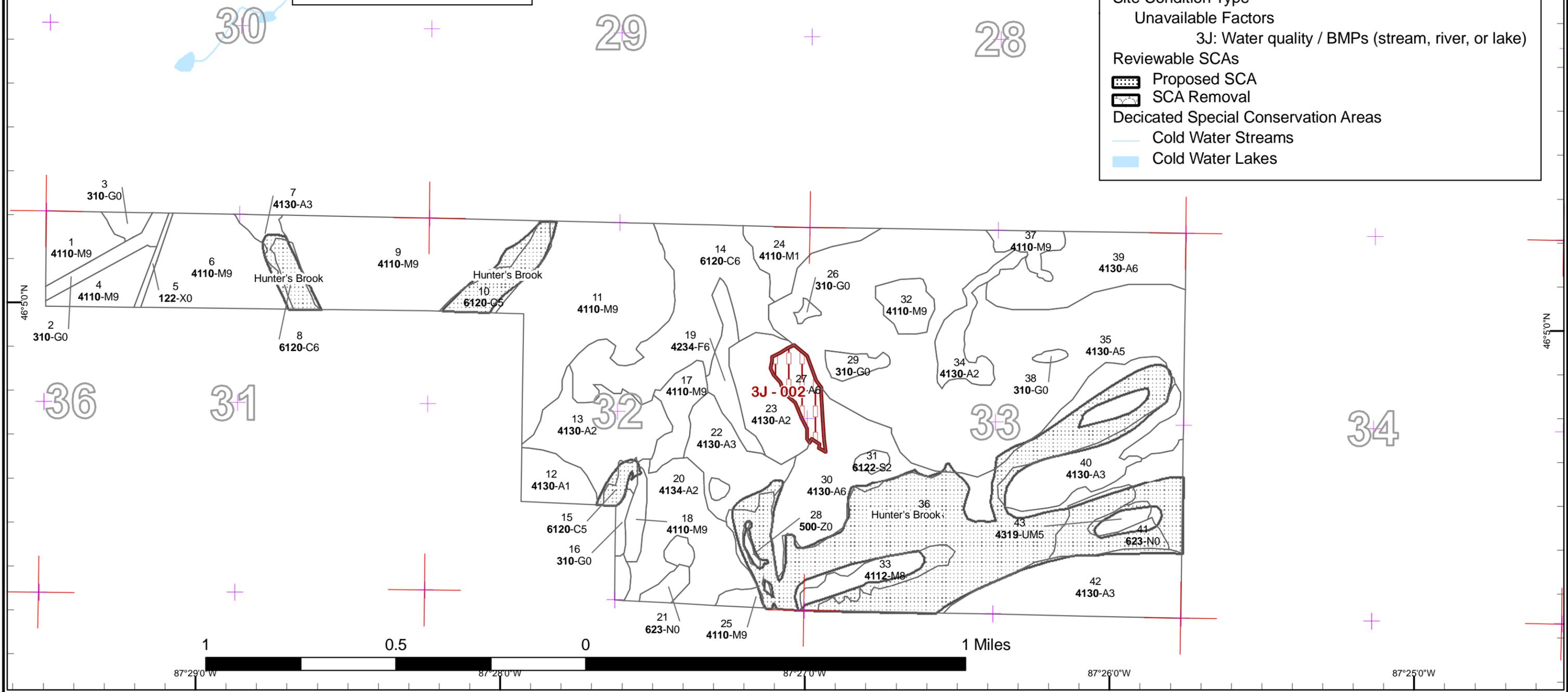
Compartment: 070  
 T43N R25W Sec. 31, 32, 33  
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Stand #  
 23  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

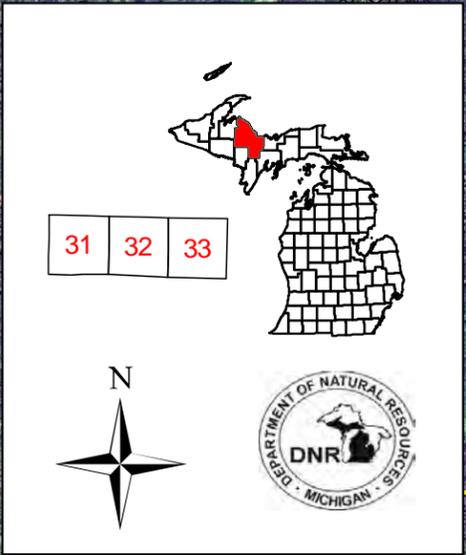
**Legend**

- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available**
- ▭ Unavailable (Factor - Number)
- Site Condition Type**
- Unavailable Factors
- 3J: Water quality / BMPs (stream, river, or lake)
- Reviewable SCAs**
- ▨ Proposed SCA
- ▩ SCA Removal
- Dedicated Special Conservation Areas**
- Cold Water Streams
- Cold Water Lakes



87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W

Compartment: 070  
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 Map Revised: 08/08/2013  
 Map Phase: Pre-Review



# Cover Type & Treatment Map

## Out of Year Entry Treatments

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

31 32 33

**Legend**

- ⊕ 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
- State Forest Land

**Treatments**

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

32064\_OutOfYOE\_4-NonFor

32064\_OutOfYOE\_3-NonFor

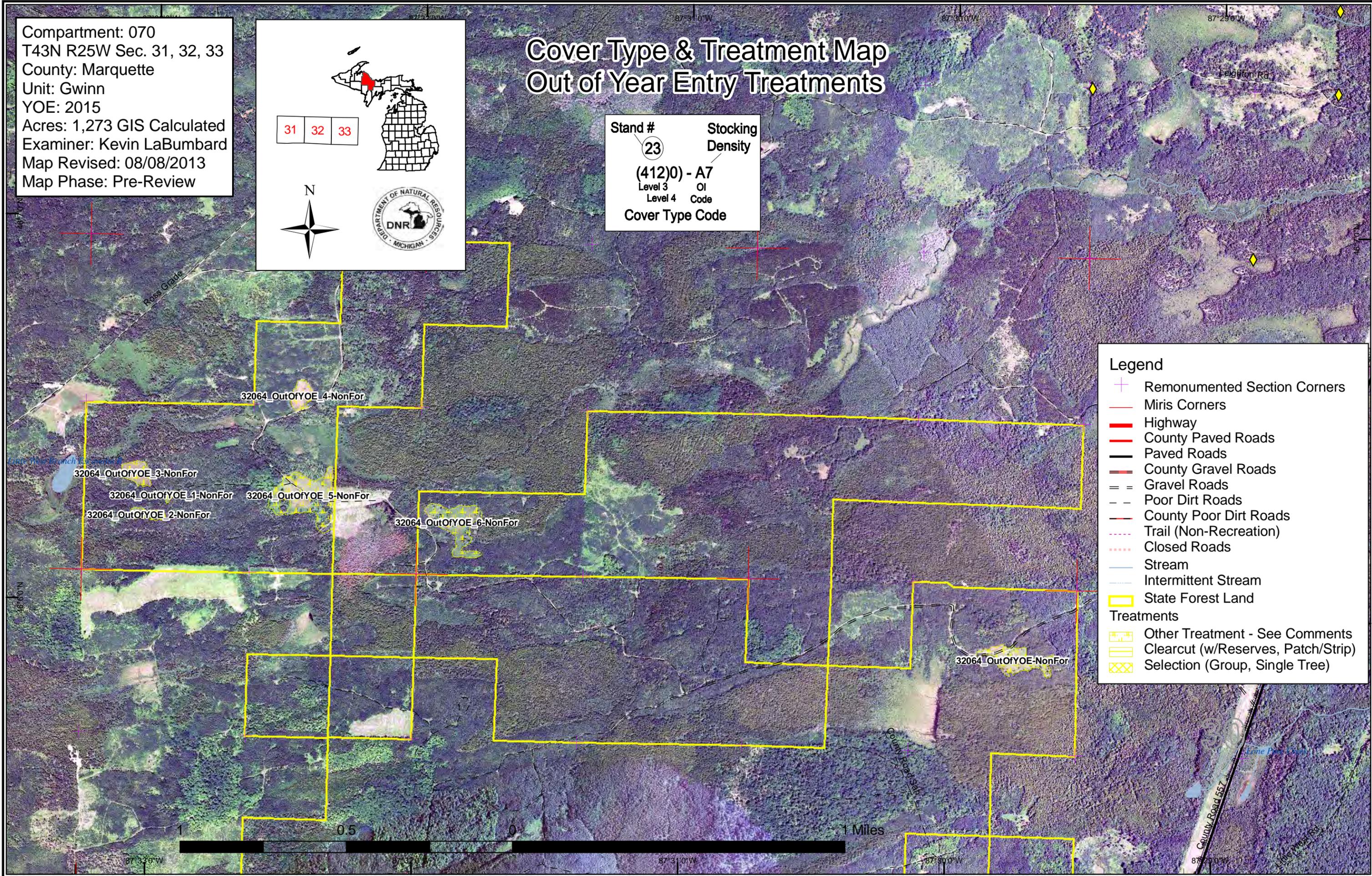
32064\_OutOfYOE\_1-NonFor

32064\_OutOfYOE\_5-NonFor

32064\_OutOfYOE\_2-NonFor

32064\_OutOfYOE\_6-NonFor

32064\_OutOfYOE-NonFor





	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	72	81	197	0	235	0	12	0	0	0	0	0	0	0	597
Cedar	0	0	0	0	0	0	0	0	0	271	0	0	0	0	271
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Spruce/Fir	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Marsh	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Northern Hardwood	0	0	0	0	0	0	0	0	0	231	0	0	0	0	332
Upland Mixed Forest	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Upland Spruce/Fir	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>124</b>	<b>81</b>	<b>200</b>	<b>0</b>	<b>249</b>	<b>0</b>	<b>12</b>	<b>5</b>	<b>0</b>	<b>502</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1273</b>



## Report 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit  
Year of Entry 2015

Compartment 070  
Total Compartment Acres: 1,273

### Acres by Treatment Type

Commercial Harvest - 392    Tree Planting - 0    Other - 0  
Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	235	0	0	0	0	0	235
Northern Hardwood	0	143	0	0	0	0	143
Other Upland Conifers	14	0	0	0	0	0	14
<b>Total</b>	<b>249</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392</b>

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4 32070004-Cut	14.6	4110 - Sugar Maple Association	High Density Log	99	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Select cut the stand to a residual ba of 80-90 making 2-3 larger gaps per acre. Retain as many basswood as possible.

Specs:

Other Comments: Medium quality N. Hdwds with large white birch. A few pockets of 1" sugar maple saplings. Contains a small area in the southeast of almost pure aspen poles which will also be harvested.

Next Steps: Monitor regen per work instructions.

Proposed

Start Date: 10/01/2014

6 32070006-Cut	46.5	4110 - Sugar Maple Association	High Density Log	99	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
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Prescription Select cut the stand to a residual ba of 80-90 making 2-3 larger gaps per acre. Retain as many basswood as possible.

Specs:

Other Comments: FDF quality stand. Thinned 1993 by K&K. A few high BA spots but overall OK. No regen from recent cut except a few areas of 3' tall sugar maple heavily browsed. A spot of M3 2"dbh in former open area (now a band of fir) is combined into this stand. High quality timber with good access. BA is on lower end of SC but stocking is 120 ba in places, 90 in others.

Next Steps: Monitor regeneration per work instructions.

Proposed

Start Date: 10/01/2014

9 32070009-Cut	81.8	4110 - Sugar Maple Association	High Density Log	555	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
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Prescription Select cut the stand to a residual ba of 80-90 making 2-3 larger gaps per acre. Retain as many basswood as possible.

Specs:

Other Comments: High quality sugars and basswood on high site quality ground. AOCa habitat type. Ready for selective harvest.

Next Steps: Monitor regeneration per work instructions.

Proposed

Start Date: 10/01/2014

19 32070019-Cut	13.6	42340 - Upland Spruce/Fir	High Density Pole	48		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut the stand, no retention other than the submerchantable aspen, any cedar or pine if present. Summer harvest to avoid conflicts with the snowmobile trail.

Specs:

Other Comments: Peninsula of fir, black and white spruce, and aspen. Spruce/fir is 4 stick, aspen is smaller in the south with unmerchantable stems, 2-3 stick but increases in size, quantity, and height (4-5 stick) moving north. Losing the fir.

Next Steps: Monitor regeneration per work instructions.

Proposed

Start Date: 10/01/2014



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	32070035-Cut	235.0	4130 - Aspen	Medium Density Pole	48		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Clearcut the stand, no retention other than any cedar, hemlock, larger sugar maple. Possibly less than 3%.

Specs:

Other Mostly pure 4 stick aspen over balsam fir and white spruce. A few large sugar maple sawlog trees near the openings. Excellent location for a  
Comments: hunter walking trail.

Next Monitor regeneration per work instructions.  
Steps:

Proposed  
Start Date: 10/01/2014

32064_OutOfY OE_1-NonFor	0.4						Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities  
Specs: may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified

32064_OutOfY OE_2-NonFor	1.8						Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities  
Specs: may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified

32064_OutOfY OE_3-NonFor	3.0						Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities  
Specs: may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	32064_OutOfY OE_4-NonFor	2.6					Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete

Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

	32064_OutOfY OE_5-NonFor	13.8					Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

	32064_OutOfY OE_6-NonFor	9.0					Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

	32064_OutOfY OE-NonFor	6.5					Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Decision - Incomplete
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Prescription A follow-up treatment to WLD ftp 32-738. If funds and personnel are available, this grassy opening will be managed. Management activities may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

**Total Treatment Acreage Proposed: 428.6**



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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!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment  
Acreage Proposed: 0**

## Report 5 – Site Conditions

Gwinn Mgt. Unit

Kevin LaBumbard : Examiner

Compartment 070

Year of Entry 2015

### Availability for Management

Total Acres	Acres Available	Acres Not Available	Dominant Site Conditions		
			No	3J	
597	585	12	Aspen	585	12
271	271		Cedar	271	
3	3		Lowland Spruce/Fir	3	
332	332		Northern Hardwood	332	
5	5		Upland Mixed Forest	5	
14	14		Upland Spruce/Fir	14	
1,221	1,209	12	Total Forested Acres	1,209	12
	99%	1%	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	3J: Water quality / BMPs (stream, river, or lake)	12				
<b>Comments:</b>							

**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.

<b>SCA Name</b>	<b>SCA Category</b>	<b>Detail Type</b>	<b>Recommendation</b>	<b>Acres</b>
<b>Hunter's Brook</b>	Habitat Areas or Corridors	Other Habitat Area	<b>SCA</b>	201.8
<b>Comments</b>				
Deer obligate winter range				



**Report 7 – 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	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.
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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Log	16.5	99	81-110	High quality hardwoods with scattered white birch sawtimber treated in 2006 by Roy III under contract 012-05-01. No regeneration visible from this past cutting.
4	4110 - Sugar Maple Association	High Density Log	14.6	99	111-140	Medium quality N. Hdwds with large white birch. A few pockets of 1" sugar maple saplings.
6	4110 - Sugar Maple Association	High Density Log	46.5	99	81-110	FDF quality stand. Thinned 1993 by K&K. A few high BA spots but overall OK. No regen from recent cut except a few areas of 3' tall sugar maple heavily browsed. A spot of M3 2" dbh in former open area (now a band of fir) is combined into this stand. High quality timber with good access. BA is on lower end of SC but stocking is 120 ba in places, 90 in others.
7	4130 - Aspen	High Density Sapling	5.3	20		1-3" aspen saps over a few ironwood and leatherwood
8	6120 - Lowland Cedar	High Density Pole	6.8	90		Narrow band of cedar with associated species.
9	4110 - Sugar Maple Association	High Density Log	81.8	555	111-140	High quality sugars and basswood on high site quality ground. AOCa habitat type. Ready for selective harvest.
10	6120 - Lowland Cedar	Medium Density Pole	14.2	90		Narrow band of cedar with associated species. Deer yard.
11	4110 - Sugar Maple Association	High Density Log	90.2	99	81-110	Good quality hardwoods with occasional upland cedar and scattered YB. Cut by Verso winter of 2006-2008 under contract # 013-05-01. Good sugar maple regen in the gaps from 25 years ago.
12	4130 - Aspen	Low Density Sapling	14.3	24		Aspen is short, sparse, unhealthy, with pockets of dead standing aspen and 3' stumps.
13	4130 - Aspen	Medium Density	39.8	24		Cut the same time as stand 10 but with much better regeneration success. This stand is growing on higher ground on a small ridge. Decent cherry saplings from stump sprout origin.
14	6120 - Lowland Cedar	High Density Pole	69.7	95		Larger diameter cedar with black spruce and white birch. Stand contains several strip cuts from around 1975. These strips have regenerated to 1-4" balm, tamarack, black spruce and white birch. I did not see any young cedar. Lots of deer in this stand.
15	6120 - Lowland Cedar	Medium Density Pole	6.7	95		Cedar with associated conifers and white birch surrounding a small pond. Previous blowdown on south end.
17	4110 - Sugar Maple Association	High Density Log	13.7	99	81-110	Good quality sawlog stand with pockets of 1-3" M3 from older treatments but no recruitment from the 1995 harvest. Heavily stocked to fir poles and saplings in the north 1/4 of the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4110 - Sugar Maple Association	High Density Log	6.0	99	81-110	Long skinny stand with an old road thru the center. Edge of small pond. Old regen is now 2-4" dbh. Cut by Nickels under contract #27-95-01. One of several small islands of hardwood retained when the larger aspen stand was cut.
19	42340 - Upland Spruce/Fir	High Density Pole	13.6	48		Peninsula of fir, black and white spruce, and aspen. Spruce/fir is 4 stick, aspen is smaller in the south with unmerchantable stems, 2-3 stick but increases in size, quantity, and height (4-5 stick) moving north. Losing the fir.
20	4134 - Aspen, Spruce/Fir	Medium Density	45.1	24		Good sized aspen stand cut in 1988 but with varied regeneration success. The area is a mix of grass opening, upland cherry brush, browsed fir saplings, scattered white spruce and young aspen clones 2-7" in diameter. Call it 50% stocked. A2F1U1G1.
22	4130 - Aspen	High Density Sapling	28.2	15		Fully stocked 20-30' saplings with scattered white pine and cedar. Cut by Nickels in 1997 under contract # 027-95-01.
23	4130 - Aspen	Medium Density	27.0	4		Dense A3, cut by LaFleur in 2008 under contract # 014-05-01.
24	4110 - Sugar Maple Association	Low Density Sapling	18.6	555	1-50	Aspen removed by LaFleur in 2006 under contract # 14-05-01 retaining 40 ba of hardwoods. Featured stand should be aspen.
25	4110 - Sugar Maple Association	High Density Log	7.8	99	81-110	One of several small islands of good quality hardwoods retained when the primary aspen stand was clearcut. Good wildlife trees in this stand. Old regen is now 2-4" dbh, no new regen from 1997 cuttiing except for more ironwood. Cut by Nickels under contract # 027-95-01. Heavy deer browse, even on the ironwood.
27	4134 - Aspen, Spruce/Fir	High Density Pole	12.1	62		From OI A6 buffer around pond. Steep hill east side with spruce. Sparse south with more balm, cedar on edge of pond. Factor limited due to BMP's and steepness of ground.
30	4130 - Aspen	High Density Pole	47.0	22		North end of stand is A5 over A3 and fully stocked 1 stick poles. South end is a sapling mix of everything. A2S2F1T1B1C1.
31	6122 - Black Spruce	Medium Density	2.6	22		This small pocket of wetland is well stocked with 6-10' black spruce and tamarack. More tamarack west.
32	4110 - Sugar Maple Association	High Density Log	10.8	99	81-110	Pocket of large hardwood over 1-3" sugar maple and ironwood saplings. Essentially no poletimber. Severe porky damage to the tops. Numerous cavities.
33	4112 - Maple, Beech, Cherry Association	Medium Density Log	16.9	95	1-50	Small peninsula of upland jutting into a larger cedar swamp. All but the hardwood and cedar removed in 1991. Mostly an M5C4M2F2. Decent white birch along edges.
34	4130 - Aspen	Medium Density	15.3	5		Old narrow wildlife opening in a long skinny "valley" with narrow gauge railroad bed. The stand has converted to aspen and balm, mostly 1" saplings but with a scattering of larger 8-12" aspen poles and sawtimber size trees.

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Gwinn Mgt. Unit

## Report 8 – Forested Stands

Compartment: 070  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4130 - Aspen	Medium Density Pole	235.0	48		Mostly pure 4 stick aspen over balsam fir and white spruce. A few large sugar maple sawlog trees near the openings. Excellent location for a hunter walking trail.
36	6120 - Lowland Cedar	High Density Pole	173.4	90		Dense, large cedar. Deer yard. Strip cuts from the 70's have regenerated to T3S1B1 over tag alder.
37	4110 - Sugar Maple Association	High Density Log	8.3	99	81-110	Small stand of poor quality hardwoods.
39	4130 - Aspen	High Density Pole	45.4	26		Dense aspen poles and saplings with the rare white spruce.
40	4130 - Aspen	High Density Sapling	29.9	4		Cut fall/winter 2007-8 by Joe LaFleur contract # 32-015-05-01. Dense young aspen with a trace of upland cedar and balsam fir.
42	4130 - Aspen	High Density Sapling	52.6	17		Almost pure aspen saplings close to transitioning to a pole stand.
43	4319 - Mixed Upland Forest	Medium Density Pole	5.3	72		Blocked by downed beaver killed cedar and severe blowdown.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	3102 - Grass	9.0	No	Unspecified	Powerline R.O.W.
3	3102 - Grass	4.0	No	Unspecified	
5	122 - Road/Parking Lot	2.3	No	Unspecified	Co. Rd 557
16	3102 - Grass	3.0	No	Unspecified	old beaver flooding
21	623 - Emergent Wetland	4.5	N/A	Unspecified	
26	3102 - Grass	1.4	No	Unspecified	
28	50 - Water	1.7	No	Unspecified	Springs, headwaters to Hunter's Brook.
29	3102 - Grass	5.6	No	Unspecified	
38	3102 - Grass	1.4	No	Unspecified	
41	6239 - Mixed Emergent Wetland	18.6	No	Unspecified	Old beaver flooding killed all the cedar with most of it down.