



# Compartment Review Presentation

## Gwinn Forest Management Unit

Compartment 32040

Entry Year 2019

Acreage: 980

County Marquette

Management Area: Chain Lakes Moraine

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**Revision Date:** 2017-08-01

**Stand Examiner:** Ben Travis

**Legal Description:**

T45N, R26W, Section 23, 26, and 35

**Identified Planning Goals:**

Manage for sustainable timber harvest, improved wildlife habitat, and dispersed forest recreation.

**Soil and topography:**

Upland areas are gently rolling to rolling while lowland areas inundated most of time.

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

Compartment is composed of three blocks, each separated by physical features. The north block is accessed across Weyerhauser lands. We do not have a public use easement for the road crossing here, but it has been open to the public historically. The central block extends along Haywire road, a primary DNR forest road, and Shag Lake road, a paved county road. The south block is isolated by private property and Miller Lake and its tributaries and wetlands. The compartment blocks in well with a larger piece of state acreage to the west. The Weyerhauser block is found to the north and northeast sides of compartment. Many permanent residences on small lake parcels adjoin the compartment to the east, along Shag Lake. Multiple driveways cross state ownership, Small private parcels are adjacent to the south side of compartment.

**Unique Natural Features:**

Miller Lake and tributaries. Haywire Lake and outlet. Shag Lakes in vicinity to east.

**Archeological, Historical, and Cultural Features:**

MNFI reports for Sections 23 and 26.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

Compartment 040 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

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

Sections 23, 26, & 35, T45N R26W, Marquette County

A former gravel pit is located just to the west, in Section 27, and there appears to be some good sand and gravel potential within the compartment. Abandoned iron mines are located just over two miles to the east. There is no history of mineral leasing within the compartment and metallic mineral production appears to be low at the time. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Shag Lake drive provides year-around access as is plowed by County. Haywire Lake road provides seasonal access through compartment as is an unplowed DNR road. The DNR holds a public use easement on Haywire Lake road where it crosses private lands. FRD staff from Gwinn have worked to drastically improve Shag Lake road in the last two years. Shag Lake road is an important connector road used heavily by the public. Multiple driveways leading to private residences are found along the central east side of compartment. The continued use of the Weyerhauser road leading to the north parcel is critical for forest management operations, wildlife habitat management, and forest recreation.

**Survey Needs:**

Several new survey monuments will be needed in future.

**Recreational Facilities and Opportunities:**

This compartment provides unimproved access to Miller Lake along its north shore. Haywire Lake is surrounded by state ownership. Hunting, trapping, snowmobiling, and ORV riding are all important forest recreational uses.

**Fire Protection:**

Area does not at high risk of forest fire and is located within couple miles of Gwinn DNR station.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

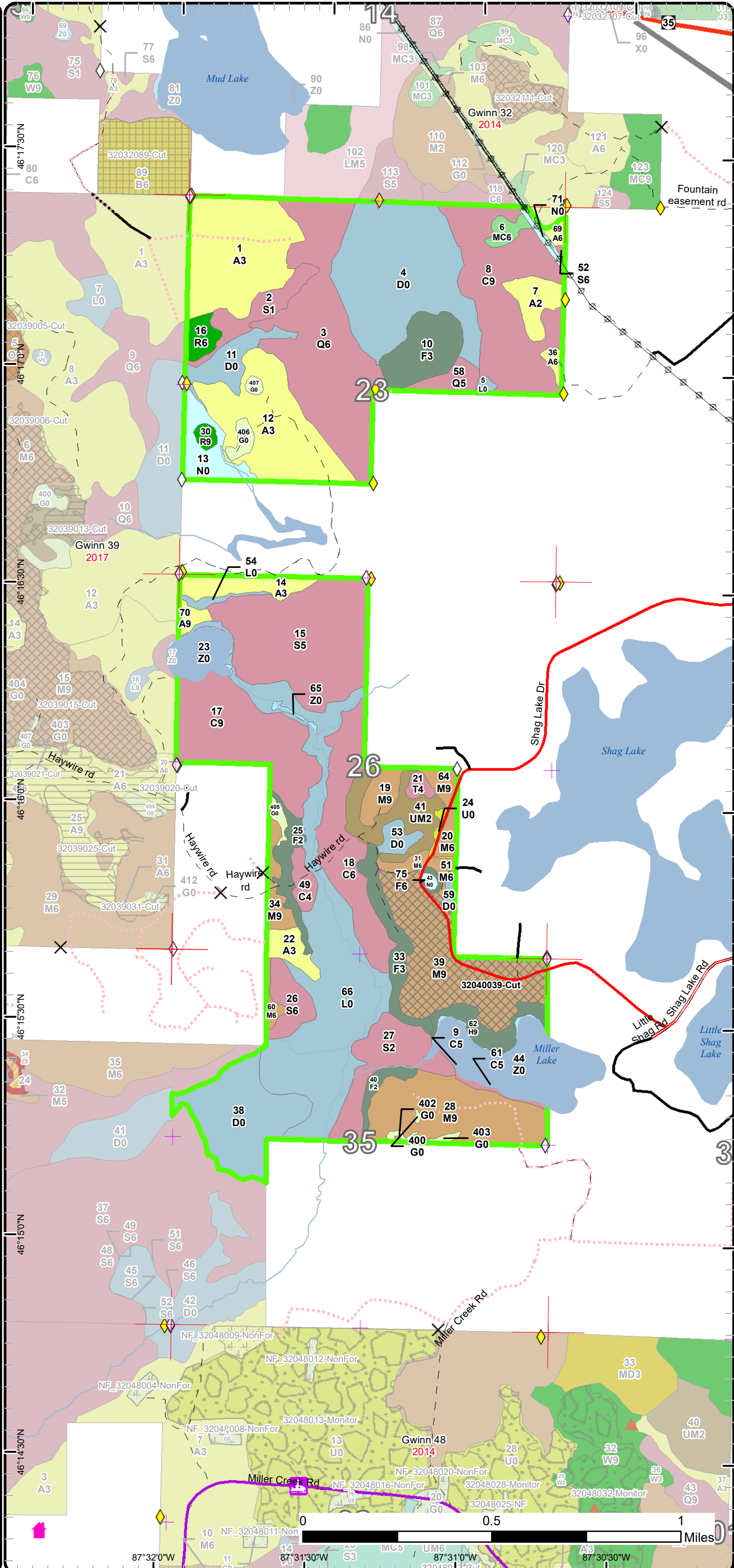
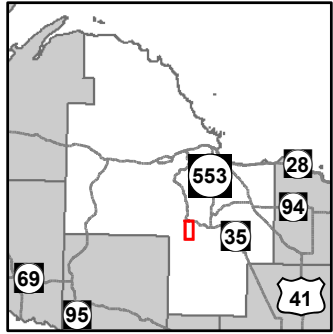
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

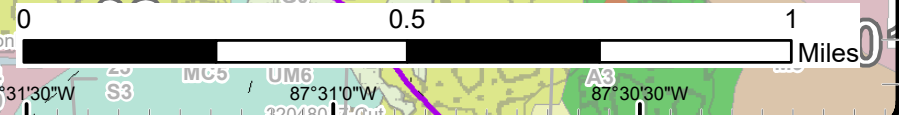
# Cover Type & Treatments Map

Compartment: 40  
 T45N, R26W, Sec. 23, 26, 35  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2019  
 Acres: 980.1 GIS Calculated  
 Examiner: Ben Travis  
 Map Revised: 1/12/2018  
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Survey Grade GPS Corners
- Field Grade GPS Corners
- Counties
- Gate
- Berms
- Structure, Seasonal Dwelling
- Snowmobile Trails
- Designated Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Selection (Group, Single Tree)
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

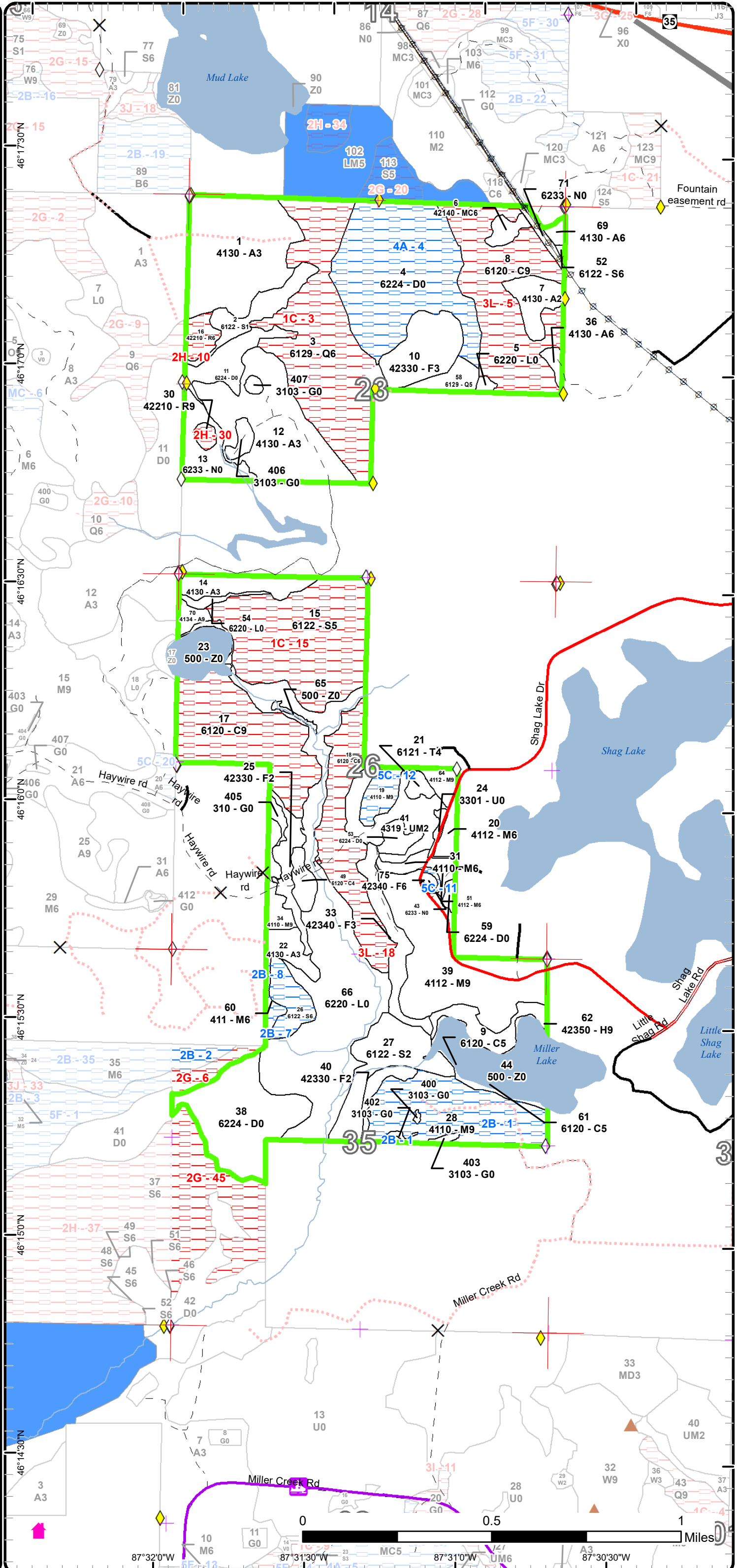
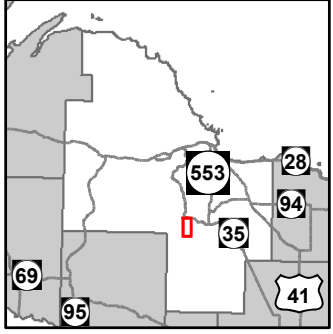
46°17'30"N  
 46°17'0"N  
 46°16'30"N  
 46°16'0"N  
 46°15'30"N  
 46°15'0"N  
 46°14'30"N  
 87°32'0"W  
 87°31'30"W  
 87°31'0"W  
 87°30'30"W



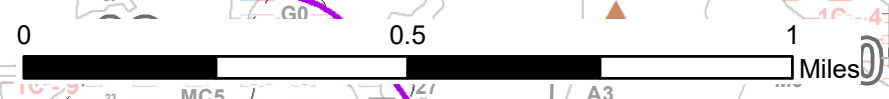


# Special Conservation Areas & Site Conditions Map

Compartment: 40  
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- Designated Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Riparian Area



87°32'0"W 87°31'30"W 87°31'0"W 87°30'30"W

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

Mgt. Unit  
: Examiner

Compartment

Year of Entry



## Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
	#Error	#Error	#####	#Error	#####	#Error	#####	#Error	#####	#Error	#####	#Error	#Error	#Error	#Error	#Error	#Error	#Error	
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



## Report 2 – Treatment Summary

**Gwinn Mgt. Unit**

**Year of Entry: 2019**

**Acres of Harvest**

**Compartment 40**

**Total Compartment Acres: 980**

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Commercial Harvest -  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

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S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
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#Type!

**Habitat Cut:**

Prescription  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date:

**Site Condition:**

**Total Treatment  
Acreage Proposed: 0.0**



## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Ben Travis : Examiner

Compartment: 40  
Year of Entry: 2019

*\*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
1	Available	2B: Unknown if access through adjacent landowner(s) is possible	43	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	2B: Unknown if access through adjacent landowner(s) is possible	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	1C: Other dept or div proc/practices	74	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Available	4A: No Markets Available for these Forest Products	72	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Ben Travis : Examiner

Compartment: 40  
Year of Entry: 2019

5	Unavailable	3L: Other wildlife concerns	58	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							
7	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Available	2B: Unknown if access through adjacent landowner(s) is possible	3	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Ben Travis : Examiner

Compartment: 40  
Year of Entry: 2019

12	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	114	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	36	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
45	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	43	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – 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 6 – 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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.

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Mgt. Unit

### Report 7 – Forested Stands

Compartment:

Year of Entry:



Level 4  
Cover Type

Size  
Density

Acres

Stand  
Age

BA  
Range

General  
Comments:

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#Type!

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Stand Cover Type

Acres

Managed  
Site

General Comments:

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#Type!

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