



# Compartment Review Presentation

## Gwinn Forest Management Unit

Compartment 32254

Entry Year 2019

Acreage: 1,246

County Marquette

Management Area: Voelker Plains

---

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

**Stand Examiner:** Rick Hill

**Legal Description:**

T46N-R28W, sections 1, 2, 11, 12, and 13.

**Identified Planning Goals:**

Management in the Voelker Plains management area will provide a variety of forest products; maintain or enhance wildlife habitat; protect areas with unique characteristics; and provide for forest based recreational uses.

**Soil and topography:**

This area is characterized by sandy outwash plains with flat to rolling topography. Soils are sandy loams and silt loams in the uplands and mucks in the lowlands.

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

This compartment is mostly surrounded by non-industrial private ownerships. Land use is primarily for forest production and passive recreation.

**Unique Natural Features:**

The north end of the black river falls fire burned here in 2009 creating a large area of open land that is being reforested.

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

There are no known sites within the compartment.

**Special Management Designations or Considerations:**

Riparian management zones along the Escanaba river are managed to maintain water quality. treatments in these areas may be modified to protect the watershed.

**Watershed and Fisheries Considerations:**

Two sections of this compartment contain the Middle Branch of the Escanaba River. The Middle Branch of the Escanaba River is designated a Type 1 trout stream greater than 50' width. For all riparian areas, Best Management Practices should be followed.

**Wildlife Habitat Considerations:**

Compartment 254 is found within the Voelker Plains Management Area; on an Outwash Plain in central Marquette County. The dominant Natural Communities are dry northern forests and dry mesic northern forests. Wildlife considerations in the Voelker Plains management area consist of: managing jack pine habitat with strategies that more closely mimic natural fire disturbance regimes, and increasing stand size and striving to accommodate many species associated with xeric forest habitat is desirable. 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, early successional forest; and large open land complexes.

The following have been identified as featured species for Voelker Plains Management Area: American woodcock, beaver, black bear, and Kirtland's warbler.

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

Sections 1-2 & 11-13, T46N R28W, Marquette County

An active sand/gravel pit is located in Section 2, and there is potential for additional sand and gravel within the compartment. Bedrock granite and gneiss may be near the surface in places and could be used for dimension stone. Abandoned iron mines are located just over three miles to the north. There is no known iron ore potential within the compartment. There may be potential for other metallic minerals. There is no history of leasing within the compartment, but there has been leasing in the past to the southwest. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access to this compartment is good with county road Cg, county road Ch, and county road 581 accessing the majority of

the compartment. Internally the compartment has a well developed network of open and closed two tracks.

**Survey Needs:**

Any needed surveys for timber sales or trespass issues will be submitted as needed.

**Recreational Facilities and Opportunities:**

This compartment is mostly surrounded by non-industrial private ownerships. Land use is primarily for forest production and passive recreation.

**Fire Protection:**

This compartment is located within the 581 Zone dispatch area dictating specific response due to hazardous fuels. There is a history of large fires in the area including the black river falls fire in 2009. There are a number of residences in the area creating a wildland urban interface issue here increasing fire complexity.

**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**

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

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment 254 Year of Entry 2019

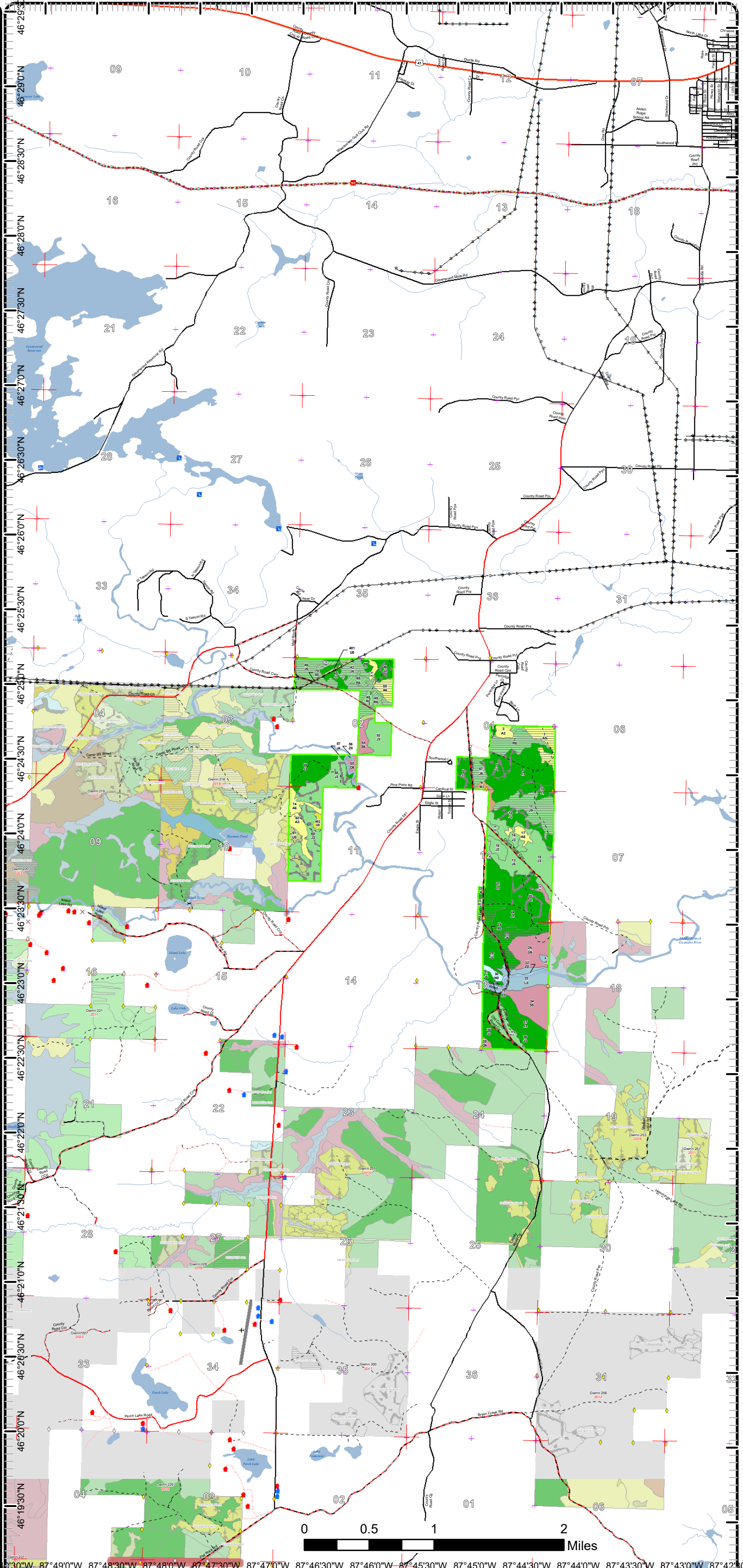
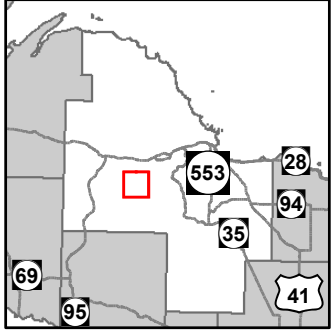


## Age Class

	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
Aspen	0	23	0	4	20	0	36	0	0	0	0	0	0	0	0	0	0	0	83
Jack Pine	0	282	95	250	46	26	33	141	0	0	0	0	0	0	0	0	0	4	877
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	0	41	0	0	6	0	0	0	0	0	0	4	51
Lowland Shrub	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Spruce/Fir	0	0	0	0	0	0	0	4	56	0	0	0	0	0	0	0	0	0	60
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Planted Mixed Pines	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Red Pine	0	0	0	7	0	0	37	12	0	0	0	0	0	0	0	0	0	0	55
Upland Shrub	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>93</b>	<b>313</b>	<b>95</b>	<b>280</b>	<b>66</b>	<b>26</b>	<b>106</b>	<b>198</b>	<b>56</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>1244</b>

# Overview Map

Compartment: 254  
 T49N,R26W, Sec. 24, 25, 36  
 T49N,R25W, Sec. 18, 19, 29-32  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Voelker Plains  
 YOE: 2019  
 Acres: 1245.7 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 1/12/2018  
 Map Phase: Post-Review

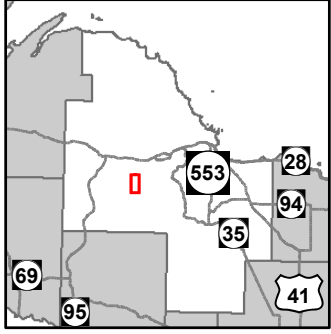


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- x Gate
- ▲ Berms
- Bridge
- Dams
- Unspecified Structure
- Cabin
- House
- Boating Access Site
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Site Prep
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

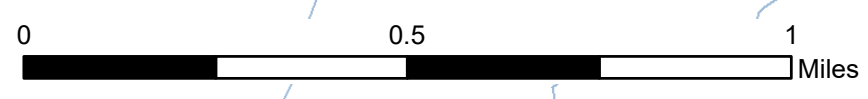
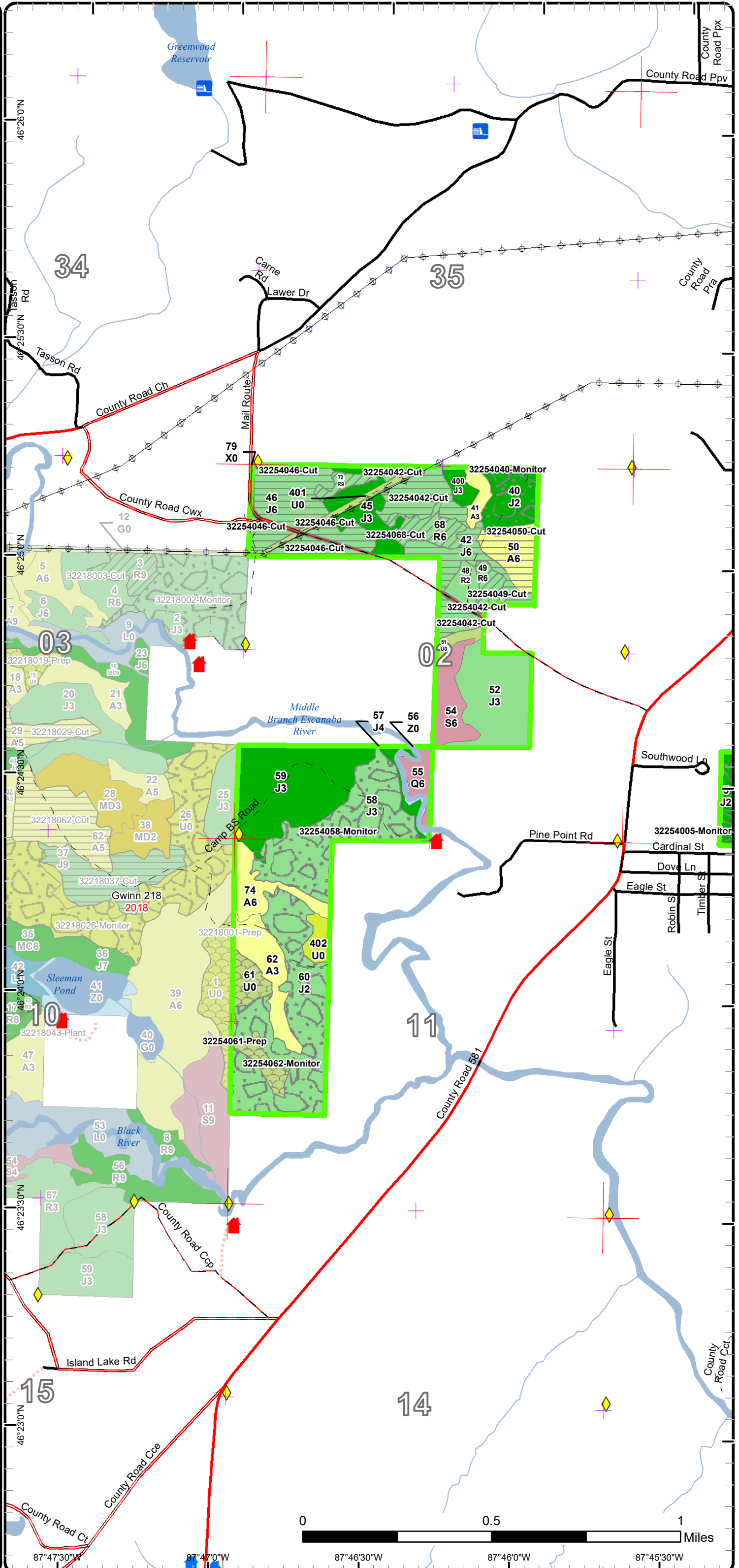
87°30'W 87°49'0"W 87°48'30"W 87°48'0"W 87°47'30"W 87°47'0"W 87°46'30"W 87°46'0"W 87°45'30"W 87°45'0"W 87°44'30"W 87°44'0"W 87°43'30"W 87°43'0"W 87°42'30"W

# Cover Type & Treatments Map

Compartment: 254  
 T46N, R28W, Sec. 01, 02, 04, 11, 12, 13  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Voelker Plains  
 YOE: 2019  
 Acres: 1245.7 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 1/12/2018  
 Map Phase: Post-Review



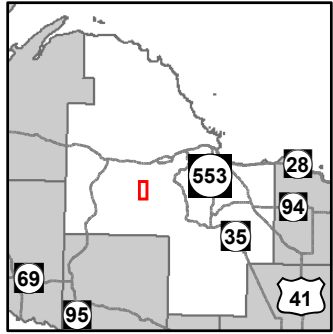
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- Counties
- Dams
- Cabin
- House
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Site Prep
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- Lakes



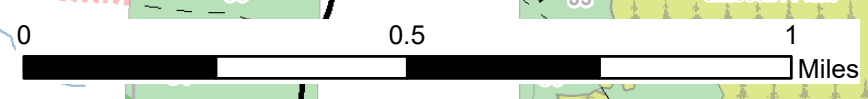
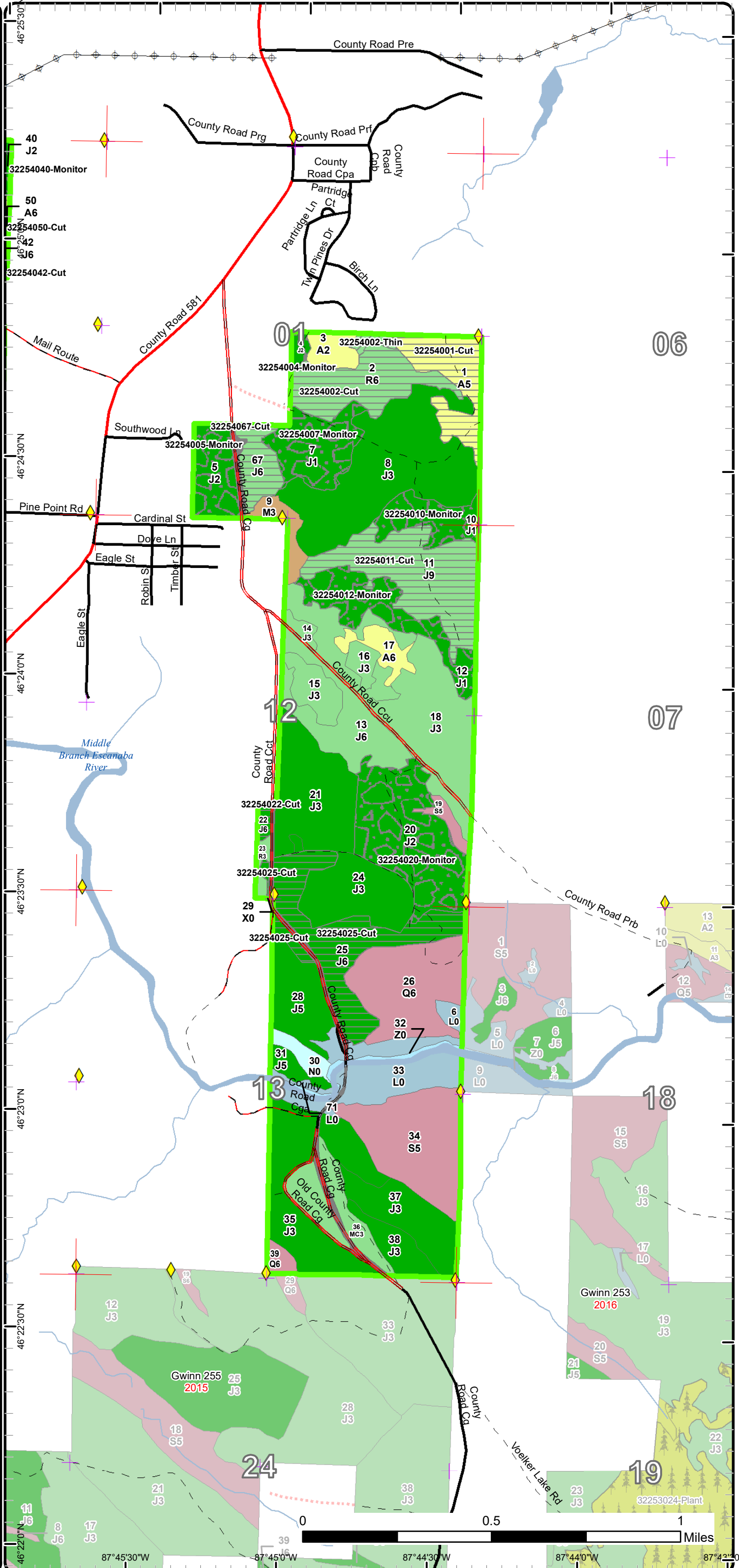
87°47'30"W 87°47'0"W 87°46'30"W 87°46'0"W 87°45'30"W

# Cover Type & Treatments Map

Compartment: 254  
 T46N, R28W, Sec. 01, 02, 04, 11, 12, 13  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Voelker Plains  
 YOE: 2019  
 Acres: 1245.7 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 1/12/2018  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- Counties
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



46°22'00"N 87°45'30"W 46°23'00"N 87°45'00"W 46°24'00"N 87°44'30"W 46°25'00"N 87°44'00"W 46°26'00"N 87°42'30"W

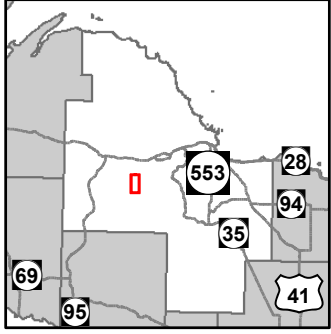




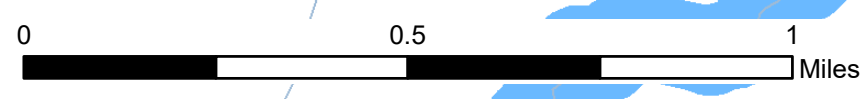
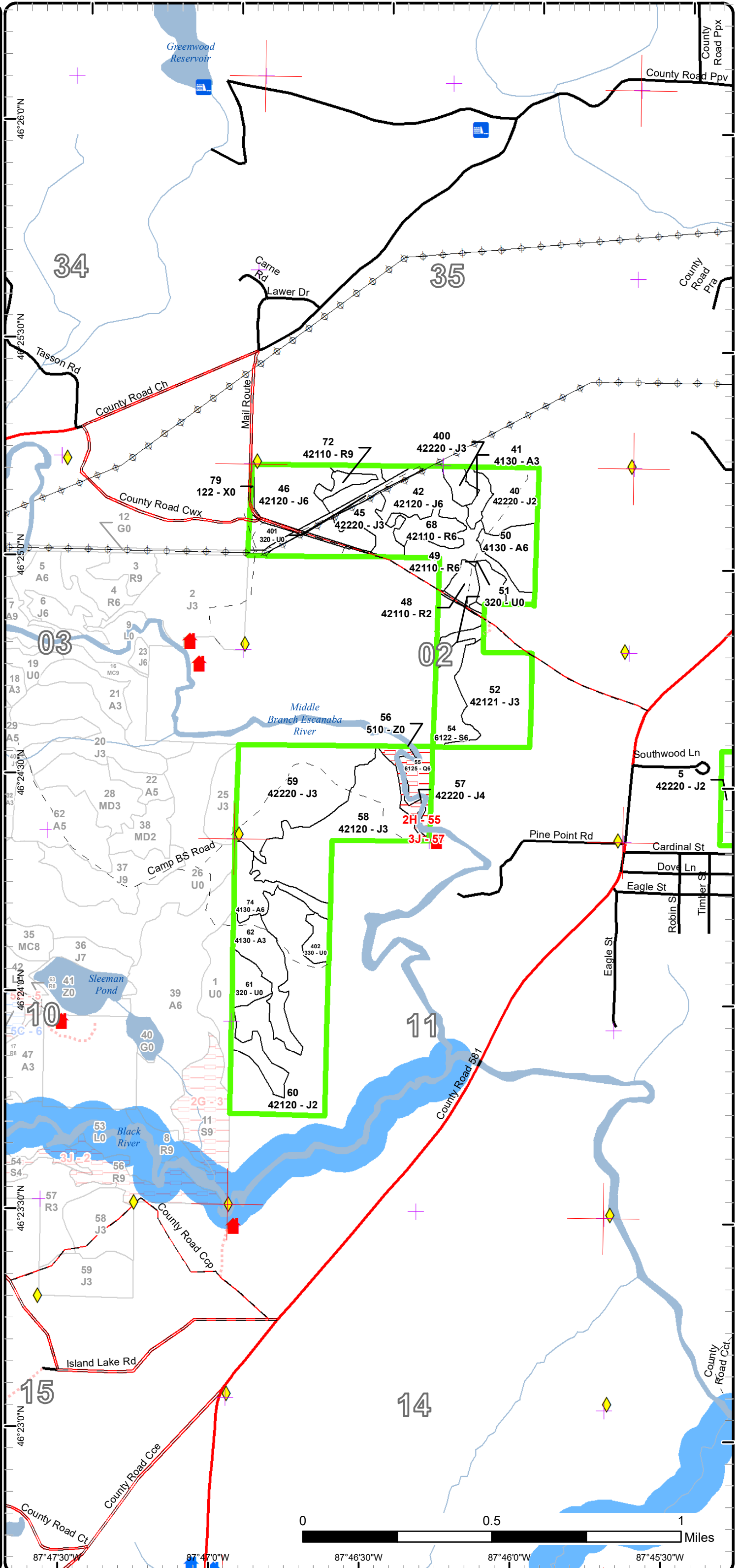


# Special Conservation Areas & Site Conditions Map

Compartment: 254  
 T46N, R28W, Sec. 01, 02, 04, 11, 12, 13  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Voelker Plains  
 YOE: 2019  
 Acres: 1245.7 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 1/12/2018  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- Counties
- Dams
- Cabin
- House
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- - - Unavailable
- - - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- - - 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



87°47'30"W 87°46'30"W 87°46'0"W 87°45'30"W





## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 254

Total Compartment Acres: 1,246

Commercial Harvest - 257  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	35	0	0	0	0	0	0	0	0	35
Jack Pine	174	0	0	0	0	0	0	0	0	174
Red Pine	30	0	0	0	0	19	0	0	0	48
<b>Total</b>	<b>239</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>257</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	257	13	0	0	0	0	253	0	0	523
Next Step	0	339	399	174	0	240	457	0	0	1608
<b>Total</b>	<b>257</b>	<b>352</b>	<b>399</b>	<b>174</b>	<b>0</b>	<b>240</b>	<b>709</b>	<b>0</b>	<b>0</b>	<b>2131</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	32254001-Cut	23.7	4139 - Aspen, Mixed Deciduous	Poletimber Medium	56	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Clearcut leaving only red pine, white pine, oak and hemlock. Leave a retention pocket in the southwest lobe of the stand.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Replant; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring,											
<u>Treatments:</u> Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Acceptable</u> Red pine											
<u>Regen:</u>											
<u>Other</u> Post harvest spray and convert stand to red pine.											
<u>Comment:</u> WLD- Retain most Black Cherry (5%) (black bear), add a few future drumming logs.											
<u>Proposed Start Date:</u> 10/01/2018											
2	32254002-Cut	29.6	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	51	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Clearcut stand leaving some patch retention along the western edge of the stand. leave only white pine and oak.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; Pesticide, Skidder/Mechanical; Monitoring,											
<u>Treatments:</u> Artificial Regen(1yr); Monitoring, Artificial Regen(1yr)											
<u>Acceptable</u> Red pine, jack pine, spruce, fir											
<u>Regen:</u>											
<u>Other</u> Post harvest regenerate red pine using appropriate methods.											
<u>Comment:</u> WLD- In addition: Retention should include Bigtooth Aspen and Paper birch (cavity nesters and raptors).											
<u>Proposed Start Date:</u> 10/01/2018											
2	32254002-Thin	2.4	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	51	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin stand by cutting every third row.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Red Pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
4	32254004-Monitor	2.5	42220 - Natural Jack Pine	Sapling Medium	5	Immatu re	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Count per TMS spec.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> c32-771											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2015											



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
5	32254005- Monitor	17.6	42220 - Natural Jack Pine	Sapling Medium	6	Immatur re	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Regen check per TMS spec											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> 32-771											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2015											
7	32254007- Monitor	24.6	42220 - Natural Jack Pine	Sapling Poor	5	Immatur re	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Count per TMS spec.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> C32-771											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2015											
10	32254010- Monitor	16.3	42220 - Natural Jack Pine	Sapling Poor	7	Immatur re	Monitoring	Natural Regen (Re-Inventory)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Count per TMS spec.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> C32-771											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2015											
11	32254011-Cut	47.0	42120 - Planted Jack Pine	Sawtimber Well	61	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Clearcut stand leaving all white pine and oak. Red pine should be marked if needed to open up stand for regeneration. Leave retention in fingers											
<u>Specs:</u> on the south edge of the stand.											
<u>Next Step</u> Monitoring, Direct Seeding; Pesticide, Skidder/Mechanical; Seeding, Machine Seed; Planting, Replant; Planting, Replant; SitePrep,											
<u>Treatments:</u> Trenching; SitePrep, Roller Chopping											
<u>Acceptable</u> Jack pine, red pine, white pine, spruce, fir											
<u>Regen:</u>											
<u>Other</u> Trench and seed is preferred method of reforestation.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



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
12	32254012- Monitor	27.5	42220 - Natural Jack Pine	Sapling Poor	6	Immatur re	Monitoring	Natural Regen (Re-Inventory)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription Count per TMS spec.Specs:Next StepTreatments:Acceptable Jack PineRegen:Other C32-771Comment:Proposed Start Date: 10/01/2015

20	32254020- Monitor	50.7	42220 - Natural Jack Pine	Sapling Medium	5	Immatur re	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
----	----------------------	------	------------------------------	-------------------	---	---------------	------------	---------------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**Prescription Count per TMS specSpecs:Next StepTreatments:Acceptable Jack PineRegen:Other C32-743Comment:Proposed Start Date: 10/01/2017

22	32254022-Cut	2.1	42220 - Natural Jack Pine	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
----	--------------	-----	------------------------------	--------------------	----	--------	---------	----------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**Prescription Clearcut stand leaving all white pine and red pine. if any oak are present they should be left as well. No retention is needed in this treatment due to small size.Specs:Next Step SitePrep, Trenching; Seeding, Machine Seed; Pesticide, Skidder/Mechanical; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);Treatments: Monitoring, Artificial Regen(3yr); Monitoring, Direct Seeding; Monitoring, Direct SeedingAcceptable Jack pine, red pine, spruce, firRegen:Other Trench and seed is preferred for reforestation.Comment:Proposed Start Date: 10/01/2018

25	32254025-Cut	46.4	42220 - Natural Jack Pine	Poletimber Well	63	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
----	--------------	------	------------------------------	--------------------	----	-------	---------	----------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**Prescription Clearcut stand leaving all white pine and red pine. if any oak are present they should be left as well. leave retention along the south end of the stand near the river.Specs:Next Step Monitoring, Direct Seeding; Pesticide, Skidder/Mechanical; Seeding, Machine Seed; SitePrep, Trenching; SitePrep, Roller Chopping;Treatments: Planting, Initial Plant; Planting, ReplantAcceptable Jack pine, red pine, spruce, firRegen:Other Preference is for trench and seed post harvest. Herbicide if necessary, hand plant if it makes sense logistically.Comment:Proposed Start Date: 10/01/2018



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
40	32254040-Monitor	14.3	42220 - Natural Jack Pine	Sapling Medium	5	Immature	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 02/22/2017											
42	32254042-Cut	33.0	42120 - Planted Jack Pine	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except leave some red pine scattered around the stand. leave retention around stand 40.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Direct Seeding; Seeding, Machine Seed; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring,											
<u>Treatments:</u> Artificial Regen(1yr)											
<u>Acceptable</u> Jack Pine											
<u>Regen:</u>											
<u>Other</u> Preference is for trench and seed post harvest. Herbicide if necessary, hand plant if it makes sense logistically.											
<u>Comment:</u> WLD - Look for opportunities to leave any wind firm White Spruce (2%) (wildlife cover and feeding sites).											
<u>Proposed Start Date:</u> 10/01/2018											
46	32254046-Cut	33.3	42120 - Planted Jack Pine	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> All trees should harvested except for a few red pine should be left, Also any white pine and oak present should be left. Area retention should be											
<u>Specs:</u> on the east side of the sale.											
<u>Next Step</u> Seeding, Machine Seed; Pesticide, Skidder/Mechanical; Monitoring, Direct Seeding; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);											
<u>Treatments:</u> ; Monitoring, Artificial Regen(3yr)											
<u>Acceptable</u> Jack pine											
<u>Regen:</u>											
<u>Other</u> Trench and seed is preferred method of reforestation.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
49	32254049-Cut	4.5	42110 - Planted Red Pine	Poletimber Well	51	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin by cutting every third row cut all jack pine and aspen. Cut other trees as needed for operations.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Red pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



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
50	32254050-Cut	11.5	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut stand leaving only oak, white pine, and red pine. Leave a pocket of retention in the middle of the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed hardwood, oak, mixed conifer.

Regen:

Other Use a two inch spec on all hardwood.

Comment:

WLD - Retention should include Bigtooth Aspen ( cavity nesters and raptors).

Proposed Start Date: 10/01/2018

58	32254058- Monitor	42.5	42120 - Planted Jack Pine	Sapling Well	5	Immatur re	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
----	----------------------	------	------------------------------	-----------------	---	---------------	------------	---------------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Count per TMS spec

Specs:

Next Step

Treatments:

Acceptable Jack Pine

Regen:

Other C32-755

Comment:

Proposed Start Date: 11/17/2015

61	32254061- Prep	12.8	320 - Upland Shrub	Nonstocked			SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
----	-------------------	------	--------------------	------------	--	--	----------	-----------------	----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Roller Chop, Trench, Herbicide, and plant red pine.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Red Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

60	32254062- Monitor	56.6	42120 - Planted Jack Pine	Sapling Medium	5	Immatur re	Monitoring	Artificial Regen(3yr)	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
----	----------------------	------	------------------------------	-------------------	---	---------------	------------	--------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription count Per TMS spec

Specs:

Next Step

Treatments:

Acceptable Jack Pine

Regen:

Other C32-755

Comment:

Proposed Start Date: 10/01/2017





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
67	32254067-Cut	12.1	42120 - Planted Jack Pine	Poletimber Well	66	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut stand leave all white pine and oak if present. Red pine should be marked for harvest if it is to thick to allow for pine regeneration. leave  
Specs: some clumps of red pine along county road Cg.

Next Step Monitoring, Direct Seeding; Pesticide, Skidder/Mechanical; SitePrep, Trenching; SitePrep, Roller Chopping; Seeding, Machine Seed;  
Treatments: Planting, Initial Plant; Planting, Replant

Acceptable Jack pine, red pine, aspen, spruce, fir, maple  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

68	32254068-Cut	8.4	42110 - Planted Red Pine	Poletimber Well	63	111- 140	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
----	--------------	-----	-----------------------------	--------------------	----	-------------	---------	------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Thin every third row or equivalent. Mark jack pine and aspen for harvest when they are impeding operations or are at risk of not surviving till next  
Specs: YOE.

Next Step  
Treatments:

Acceptable Red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

72	32254072-Cut	3.3	42110 - Planted Red Pine	Sawtimber Well	61	111- 140	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
----	--------------	-----	-----------------------------	-------------------	----	-------------	---------	------------------------	-----------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Thin every third row or equivalent. Mark jack pine to harvest.  
Specs:

Next Step SitePrep, Trenching; SitePrep, Roller Chopping  
Treatments:

Acceptable red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
 Acreage Proposed: 522.7**

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 254  
Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions			
					2G	2H	3J	
81	81	0	0	0	Aspen			
878	848	0	30	30	Jack Pine	1	4	25
5	5	0	0	0	Low-Density Trees			
51	45	0	6	6	Lowland Conifers		6	
38	0	0	38	38	Lowland Shrub	25	2	12
60	16	0	44	44	Lowland Spruce/Fir	44		
5	0	0	5	5	Marsh	5		
8	8	0	0	0	Northern Hardwood			
19	19	0	0	0	Planted Mixed Pines			
55	55	0	0	0	Red Pine			
21	21	0	0	0	Upland Shrub			
16	6	0	10	10	Urban	5		5
7	7	0	0	0	Water			
1,246	1,111		134	134	Total Forested Acres	81	12	42
	89%		11%	11%	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
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 254  
Year of Entry: 2019

30	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	48	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
55	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
57	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	4	Unspecified	Unspecified	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
----------	--------------	-------------	----------------	-------

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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4139 - Aspen, Mixed Deciduous	Poletimber Medium	23.7	56	51-80	Aspen stand on a poor site. aspen is generally falling out of the stand with soft maple filling in.
2	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	32.0	51	111-140	Plantation has some minor aspen and jack pine inclusions and areas of ranging stocking. The red pine is wildly scattered with mature jack pine and aspen filling in around it.
3	4139 - Aspen, Mixed Deciduous	Sapling Medium	7.6	5	Immature	Stand was harvested in 2011 under timber sale #32-109-09-01. Regeneration is coming back in most areas with a mix of maple and aspen being most common.
4	42220 - Natural Jack Pine	Sapling Medium	2.5	5	Immature	Harvested in 2011: TS#109-09-01. Jack Pine has come back naturally and is stocked to an acceptable level.
5	42220 - Natural Jack Pine	Sapling Medium	17.6	6	Immature	Harvested in 2011: TS# 109-09-01. Site was trenched and seeded in the past it appears as though the seeder malfunctioned. Seedlings are mostly volunteers. Regeneration is somewhat sparse if the TMS desires we can replant in the trenches.
7	42220 - Natural Jack Pine	Sapling Poor	24.6	5	Immature	Harvested in 2011: TS# 109-09-01. Site was trenched and seeded though it appears as though the seeder was not working at the time. Stocking is variable TMS should make the call on replanting.
8	42220 - Natural Jack Pine	Sapling Well	72.1	22	Immature	Stand was harvested in 1991-1992 under PERMIT #31-005-89-01. The stand was planted in 5/94. Now a fully stocked jack pine stand.
9	4116 - Mixed N. Hardwood - Aspen	Sapling Well	7.8	5	Immature	Harvested in 2011: TS# 109-09-01. Coming back to a mix of aspen and maple.
10	42220 - Natural Jack Pine	Sapling Poor	16.3	7	Immature	Harvested in 2011: TS#109-09-01. Site was trenched and seeded though it appears to have failed. Seedlings are all volunteers, and stocking is marginal.
11	42120 - Planted Jack Pine	Sawtimber Well	47.0	61	81-110	A mature jack pine stand that is starting to break up.
12	42220 - Natural Jack Pine	Sapling Poor	27.5	6	Immature	Harvested in 2011: TS# 109-09-01. trenched and seeded in though is appears to have failed most likely due to a malfunctioning seeder. Site should be evaluated for further action.
13	42120 - Planted Jack Pine	Poletimber Well	46.1	39	51-80	This stand was cut under permit 20-72a and was scarified in 1974. the stand was then planted in 1977. there is a small inclusion that was missed in the last harvest.
14	42120 - Planted Jack Pine	Sapling Well	2.9	24	Immature	Stand was cut in 1989 under permit 9-89. the stand was planted in 1992.
15	42120 - Planted Jack Pine	Sapling Well	10.6	24	Immature	Stand was cut in 1989 under permit 9-89. the stand was planted in may of 1992.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	42120 - Planted Jack Pine	Sapling Well	4.5	24	Immature	Stand was cut in 1989 under permit 9-89. the stand was planted in may of 1992.
17	4130 - Aspen	Poletimber Well	8.0	34	81-110	An offsite aspen stand that's doing ok all things considered.
18	42120 - Planted Jack Pine	Sapling Well	46.0	24	Immature	This stand was cut in 1989 under permit #31-009-89-01. The site was planted 5/92.
19	6122 - Black Spruce	Poletimber Medium	3.9	65	51-80	Surface drain that is generally wet. Ecotones on both sides that slightly slope down to lowland brush are nice lowland conifers and jack pine.
20	42220 - Natural Jack Pine	Sapling Medium	50.7	5	Immature	Harvested in 2011: TS#110-09-01. A small portion of this stand was cut in 2003 and seeded in 2006.
21	42220 - Natural Jack Pine	Sapling Well	39.5	16	Immature	Harvested in 2000, TS#112-99-01. Planted with seed fall 2000.
22	42220 - Natural Jack Pine	Poletimber Well	2.1	61	81-110	Multi-aged with ranging stocking and quality.
23	42110 - Planted Red Pine	Sapling Well	2.8	22	Immature	Was commercially cut in Fall of 1993, permit #25-93-02, "Co.Rd.CG Salvage Sale". No red pine were cut. FTP#C31-346 covered disk trenching and hand planting of red pine.. On 5/9/2000, a ground broadcast of herbicide (Velpar L) was applied to 3 acres here to knock back the grass & jack pine, releasing the red pine. Northern 1/3 of stand is J3.
24	42220 - Natural Jack Pine	Sapling Well	28.2	23	141-170	Stand cut in 1992 under permit 31-001-89-01. Stand was reforested under FTP C-31-283.
25	42220 - Natural Jack Pine	Poletimber Well	47.2	63	51-80	Contains larger opening due to salvage harvesting resulting from the storm of 7/21/02. Lowland conifer inclusions in drains feeding the river (exclude from future harvest). Multi-aged and ranging stocking.
26	6124 - Lowland Spruce-Fir	Poletimber Well	41.2	63	51-80	Lowland conifers in the riparian area with the Escanaba River. For BMP reasons this stand should probably be left.
28	42220 - Natural Jack Pine	Poletimber Medium	21.3	41	1-50	Area was cut in 1962. Site was scarified in November 1974. Site ranges in stocking and quality.
31	42220 - Natural Jack Pine	Poletimber Medium	4.8	47	81-110	
34	6122 - Black Spruce	Poletimber Medium	44.3	71	51-80	
35	42220 - Natural Jack Pine	Sapling Well	44.7	16	Immature	Cut in 2000, TS#113-99-01, seeded in the fall of 2000.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	42140 - Planted Mixed Pine	Sapling Well	19.3	21	Immature	Sale cut in 1992 under sale 31-019-89-01. Stand was regenerated under FTP 31-329. The stand was planted in may of 1995. Jack pine are about as evenly distributed as red pine and are overtopping the red pine at this time in the next 20 years jack pine should be harvested to release the red pine.
37	42220 - Natural Jack Pine	Sapling Well	23.2	24	Immature	Stand was cut in 1992 under permit 12-89. Site was trenched and left unplanted.
38	42220 - Natural Jack Pine	Sapling Well	10.9	16	Immature	stand was cut in 2000 under TS#113-99-01. Planted with seed fall of 2000.
39	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	3.5	69	51-80	
40	42220 - Natural Jack Pine	Sapling Medium	14.3	5	Immature	This site was trenched and seeded in the past however it appears the seeder was not working there are no seedlings in the trenches the site has come back to a mix of aspen, red maple, and jack pine. The MO for the site is jack pine, the site is a bit sparse with jack pine running in the range of 600-700 trees per acre. A full regeneration survey is scheduled for this year those results will inform future management direction. The Stand was harvested in 2011: TS#108-09-01 currently under ftp for jack pine regeneration.
41	4130 - Aspen	Sapling Well	4.0	25	Immature	Site was cut in 1991 under permit #16-89. all oak and cherry where left.
42	42120 - Planted Jack Pine	Poletimber Well	33.0	63	81-110	Mature jack pine stand that is starting to break up.
45	42220 - Natural Jack Pine	Sapling Well	14.0	23	Immature	Stand was harvested in 1991 under permit #31-016-89-01. All red pine were left the heaviest area has been split out into its own stand.
46	42120 - Planted Jack Pine	Poletimber Well	33.3	57	81-110	Jack pine stand with some mortality starting to show. Stand should be harvested.
48	42110 - Planted Red Pine	Sapling Medium	4.3	23	Immature	Red pine planted in 1993.
49	42110 - Planted Red Pine	Poletimber Well	4.5	51	141-170	Red pine plantation adjacent to South Ely Township Park.
50	4130 - Aspen	Poletimber Well	11.5	51	81-110	Aspen is two aged (looks like someone cut a large patch back in the 60's for the peeled pulp market). 50% motality of white birch due to overmaturity.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	29.5	5	Immature	Stand harvested in February 2011 by J. Carey Logging, Inc. TS# 32-301-09-01 (Black River Falls Fire). Trees were just run over with the skidder. The Black River Falls Fire of May 2009 burned through this area. Stand was put up immediately but markets prevented this part of stand from being salvaged. Trees had no merchantability as of February. Stand will be trenched and planted back to red pine. 2007 Comments: CUT IN 1991 PERMIT #18-89. TRENCHED & PLANTED WITH RED PINE. Partial plantation failure has resulted in ranging stocking and semi-open areas.
54	6122 - Black Spruce	Poletimber Well	12.3	70	81-110	Contains minor eastern larch and lowland brush inclusions.
55	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	6.4	96	51-80	Escanaba River protection. Heavy jack pine mortality due to overmaturity.
57	42220 - Natural Jack Pine	Poletimber Poor	3.8	45	1-50	Escanaba River corridor. Stand is a combination of overmature patches of jack pine, jack pine regeneration after the 1986 Black River Fire, and upland brush along the banks of the Escanaba River. Inclusions of lowland brush occur in the north and south parts of the stand.
58	42120 - Planted Jack Pine	Sapling Well	42.1	5	Immature	Stand harvested in February 2011 by J. Carey Logging, Inc. TS# 32-301-09-01 (Black River Falls Fire). Trees were just run over with the skidder. The Black River Falls Fire of May 2009 burned through this area. Stand was put up immediately but markets prevented this part of stand from being salvaged. Trees had no merchantability as of February. Stand will be trenched and planted back to red pine. 2007 Comments: STAND BURNED MAY 6TH 1986. WAS TRENCHED IN 1990 ; PLANTED MAY 1991.
59	42220 - Natural Jack Pine	Sapling Well	45.0	26	Immature	Stand was harvested in 1989, under 31-002-89-01. The stand was regenerated under FTP C31-211.
60	42120 - Planted Jack Pine	Sapling Medium	56.6	5	Immature	Stand harvested in February 2011 by J. Carey Logging, Inc. TS# 32-301-09-01 (Black River Falls Fire). Trees were ground/chipped. The Black River Falls Fire of May 2009 burned through this area. Stand was put up immediately but markets prevented this part of stand from being salvaged. Stand will be trenched and planted back to jack pine.
62	4130 - Aspen	Sapling Well	14.9	8	Immature	WILDFIRE MAY 6TH 1986. Contains semi-open to open areas. Buried in 2009
67	42120 - Planted Jack Pine	Poletimber Well	12.1	66	81-110	Mixed age stand containing some planted red pine in blocks and as individuals. Contains a couple acre aspen stand along Co. Rd. CG and some semi-open to open areas.
68	42110 - Planted Red Pine	Poletimber Well	8.4	63	111-140	A red pine stand with quite a bit of jack pine mixed in.
72	42110 - Planted Red Pine	Sawtimber Well	3.3	61	111-140	A small red pine stand with jack pine inclusions.
74	4130 - Aspen	Poletimber Well	11.5	30	Immature	

S  
t  
a  
n  
d

Gwinn Mgt. Unit

### Report 7 – Forested Stands

Compartment: 254  
Year of Entry: 2019



---

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>400</b>	42220 - Natural Jack Pine	Sapling Well	3.7	23	81-110	A former wildlife opening this stand has filled in completely with jack pine. The stand is past the point of being saved as the trees growing in the opening are 4 plus inches in diameter.

---



Stand	Cover Type	Acres	Managed Site	General Comments:
6	6220 - Alder/willow	11.7	No	Lowland Alder bordering the Escanaba River.
29	122 - Road/Parking Lot	12.8	No	Steel Bridge road.
30	6233 - Wet Meadow	5.2	No	Drain that feeds the Escanaba River. Some ponding due to beaver activity.
32	500 - Water	5.2	No	Escanaba River.
33	622 - Lowland Shrub	25.3	No	Lowland alder bordering the Escanaba River.
51	320 - Upland Shrub	3.0	No	Drainage ravine grading to lowland brush to the west.
56	510- Water (OI)	2.2	No	Escanaba River.
61	320 - Upland Shrub	12.8		WILDFIRE MAY 6TH 1986. Contains semi-open to open areas.
71	6220 - Alder/willow	1.5	No	Lowland alder and willow bordering the Escanaba River.
79	122 - Road/Parking Lot	3.6	No	County Road CH
401	320 - Upland Shrub	4.7	No	Power line right of way. A two track passes though this stand as well.
402	330 - Low-Density Trees	4.5	No	stand was created in 1992.