



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32207

Entry Year 2020

Acreage: 982

County Marquette

Management Area: Yellowdog Plains

Revision Date: 2018-08-06

Stand Examiner: Rick Hill

Legal Description:

T50N-R29W Sections 2, 3, 11, 12, 13, 14, and 24.

Identified Planning Goals:

Vegetative management in the Yellow Dog 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. Timber management objectives for the 10-year planning period include improving the age-class distribution of jack pine; maintaining the conifer component in northern hardwood stands; maintaining the presence of minor cover types on the landscape; and maintaining non-forest vegetation types. Wildlife management objectives include addressing the habitat requirements identified for the following featured species: black bear, Kirtland's warbler and spruce grouse. Management activities may be constrained by site conditions and the skewed age-class distributions. Balancing age classes and potential insect (jack pine budworm) outbreaks will be issues for this 10-year planning period.

Soil and topography:

This compartment's topography varies from outwash plans, moraines, rock outcrops, and lowlands. Soils range from sands to mucks.

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

This compartment is interspersed with private lands some owned by mining companies and timber companies. There is also a fair amount of private land present in the area.

Unique Natural Features:

Eagle rock a rock outcrop that is considered to be important by some Native Americans. It lies within the area leased for the Eagle Mine but has been protected during mining activity.

Archeological, Historical, and Cultural Features:

There is good potential for old logging camps and old homestead activity within the compartment.

Special Management Designations or Considerations:

This compartment is home to the eagle mine which is sited on state land under a long-term lease. There are riparian management areas present within the compartment.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Compartment 207 is found within the Yellow Dog Plains Management Area; which is on an Outwash Plain in northern Marquette County. The State Forest covers about 3,800 acres and is somewhat scattered parcels. The dominant natural communities are dry northern forest. The major forest cover type is jack pine. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The management priority in this area is to continue to provide these multiple benefit in a sustainable manner while minimizing user conflicts. Wildlife considerations in the Yellow Dog Plains Management Area consist of managing jack pine habitat with strategies that more closely mimic natural fire disturbance regimes, to increase early successional jack pine management where appropriate while increasing stand size and striving to accommodate many species associated with xeric forest habitat is desirable. Some of the most significant wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; within stand diversity; mature forest condition; mesic conifer; large open land complexes; and early successional forest.

The following have been identified as featured species for the Yellow Dog Plains Management Area: Black Bear, Gray Jay, Kirtland's Warbler, Spruce Grouse, and Upland Sandpiper.

Mineral Resource and Development Concerns and/or Restrictions

The nearest sand/gravel pit is located several miles to the northeast, but there may be some sand & gravel potential within the compartment. Much of the compartment (mineral rights and surface is currently leased and permitted for operations associated with Eagle Mine, an active, underground nickel-copper mine. There is no potential for economical oil and gas production in the UP.

Vehicle Access:

There is good access to most of the compartment on existing roads.

Survey Needs:

Some survey work may be needed for timber sales in the area. Requests will be submitted after treatments are approved.

Recreational Facilities and Opportunities:

Land use in this area is primarily low intensity hunting and fishing. Trail 5 a snowmobile trail passes though the compartment as well.

Fire Protection:

Much of this compartment is jack pine plains making this a fire prone area. Long response times will allow fires time to grow in this area as well. Fire complexity here will be affected by camps and mining operations. Roads access is good which will help IA in this area.

Additional Compartment Information:

The following reports from the Inventory are attached:

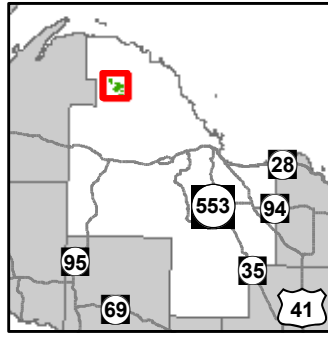
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

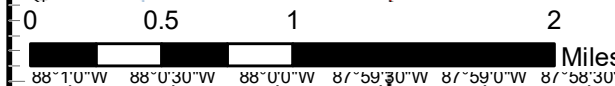
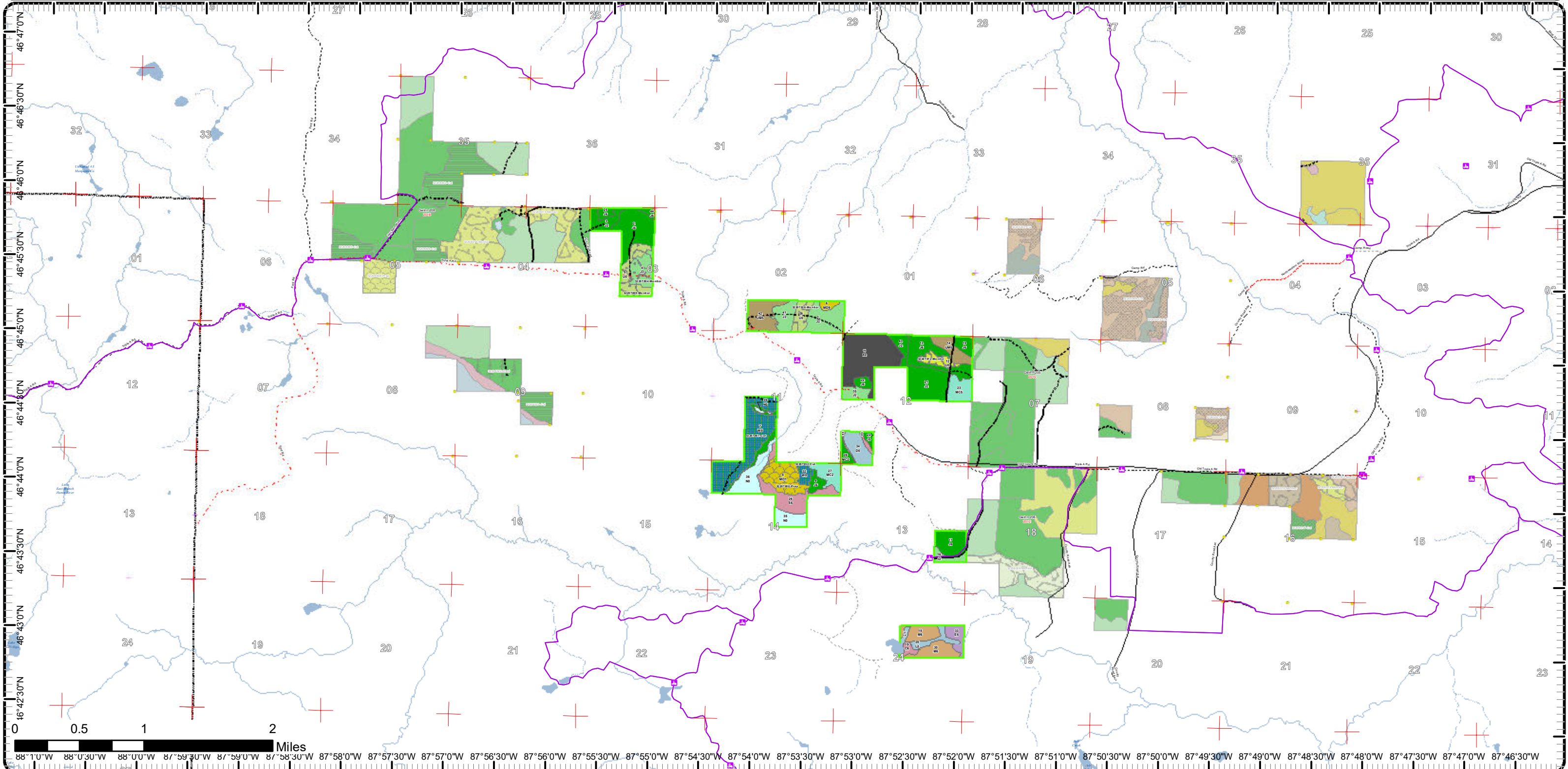
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Overview Map

Compartment: 207
 T50N,R29W, Sec. 2, 3, 11, 12, 13,
 14, 24
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Yellowdog Plains
 YOE: 2020
 Acres: 982 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/20/2018
 Map Phase: Web-Post



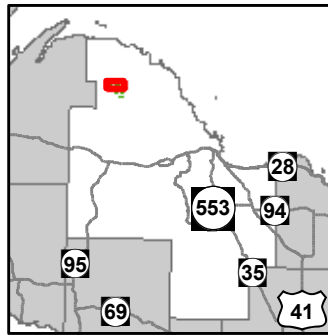
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Seed Tree (w/Reserves)
- Regeneration Survey
- Site Prep
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes
- 411 - Northern Hardwood
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 123 - Other High Intensity Urban



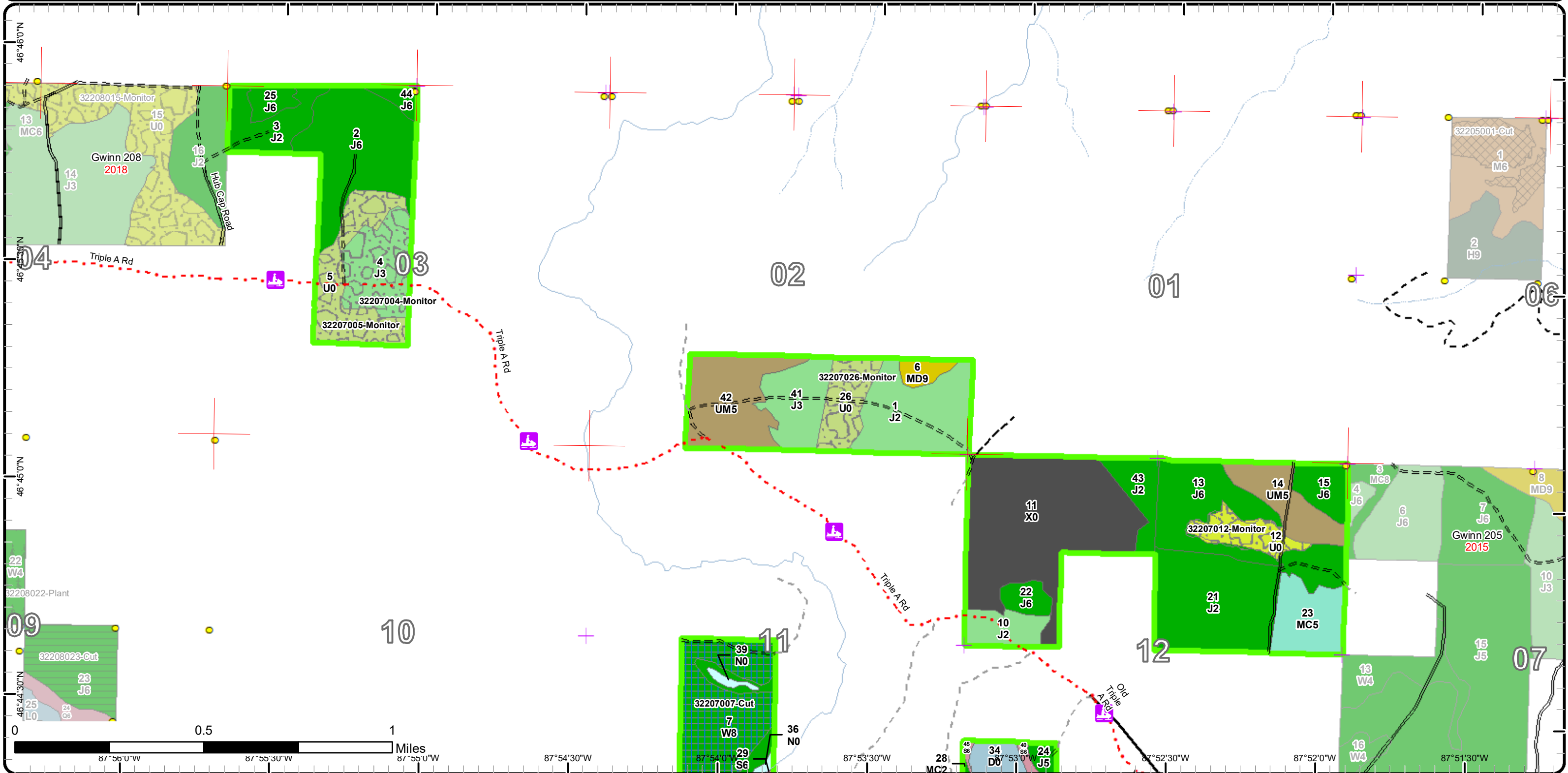
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Cover Type & Treatments Map

Compartment: 207
 T50N,R29W, Sec. 2, 3, 11, 12
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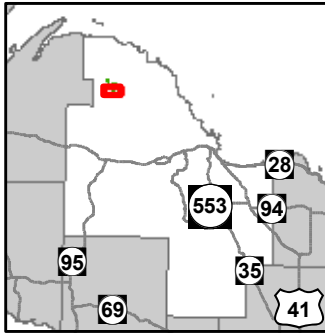


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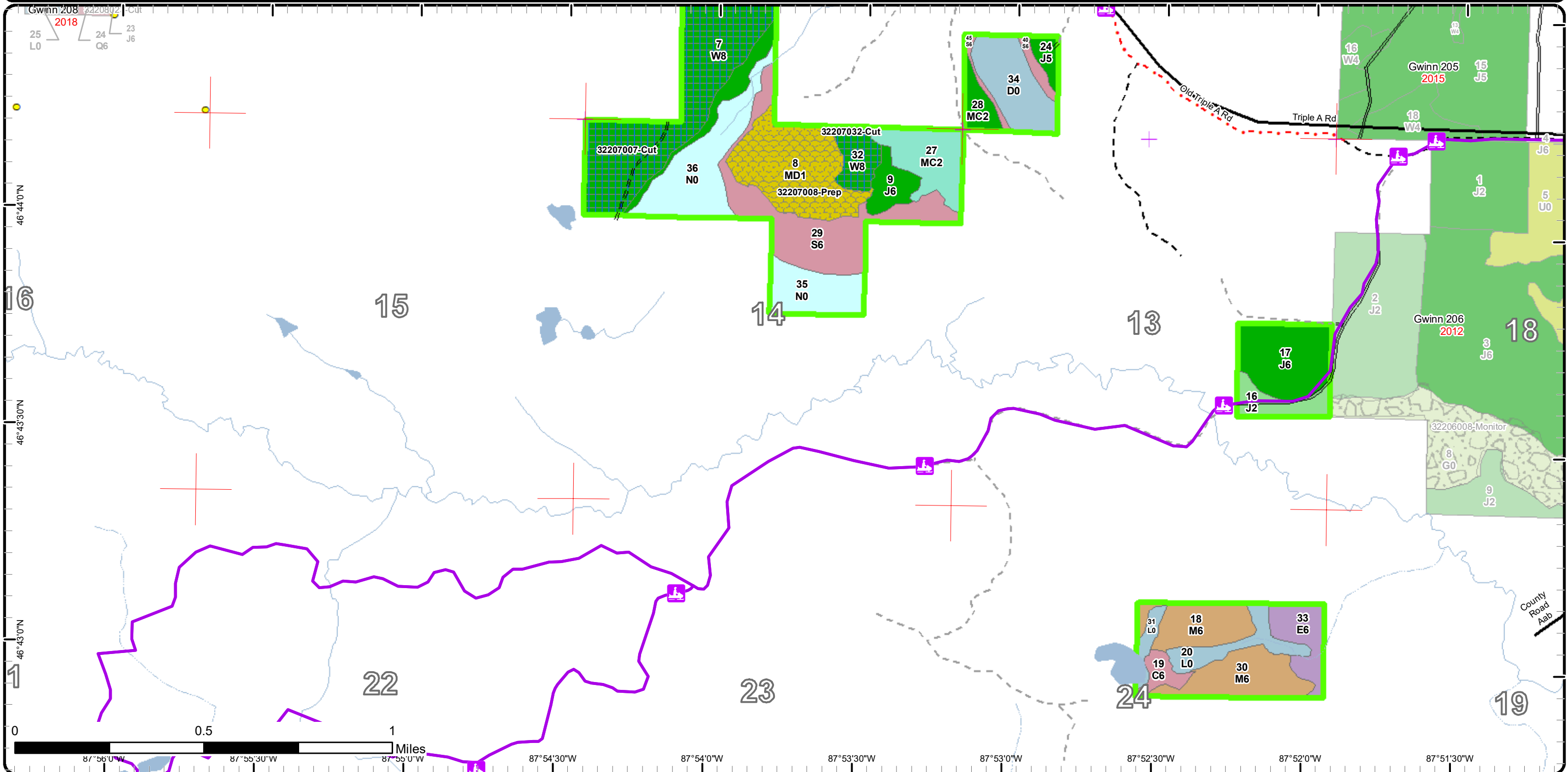


Cover Type & Treatments Map

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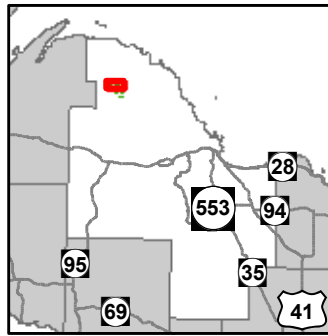


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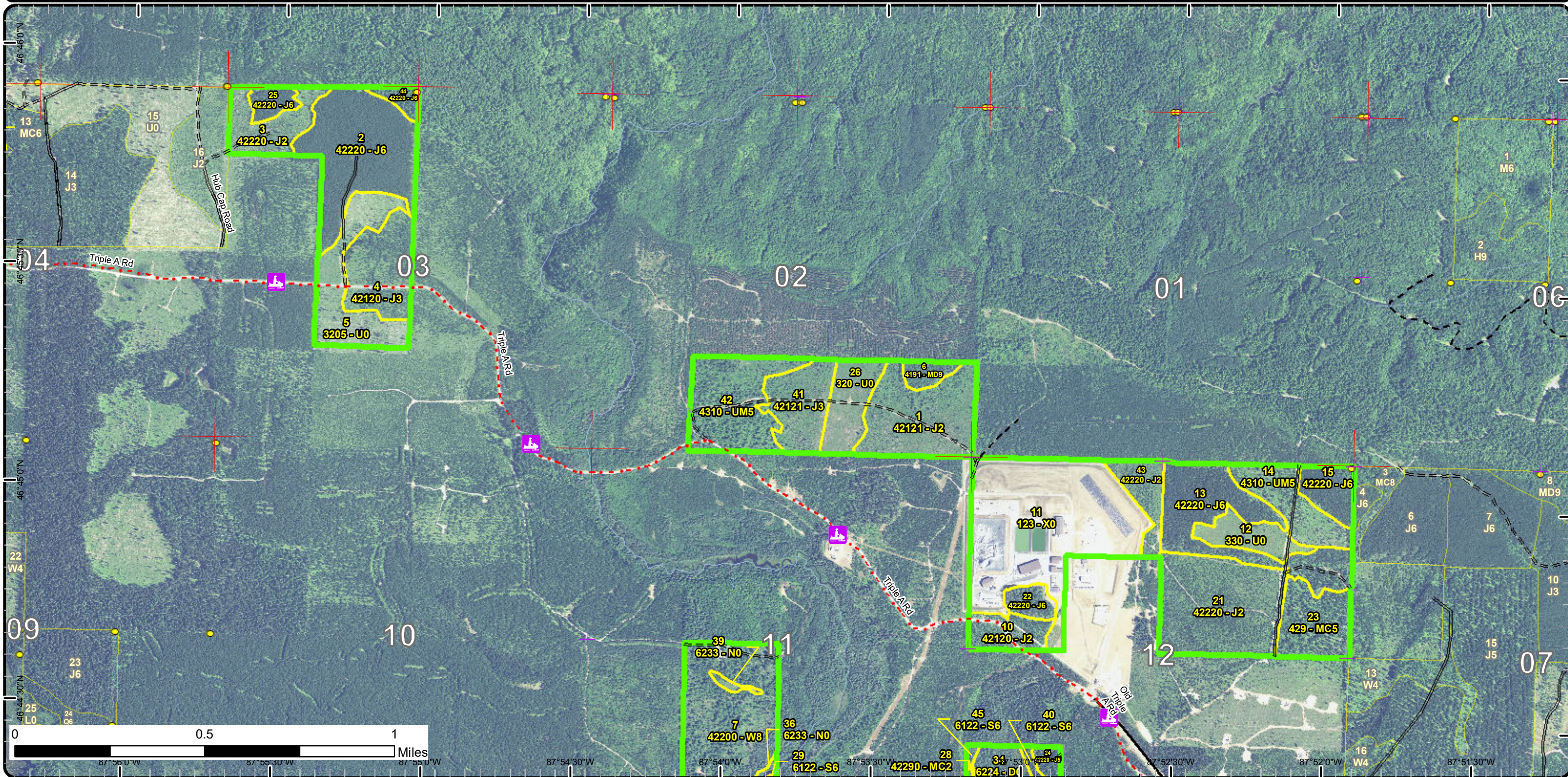


Stand Boundary Map

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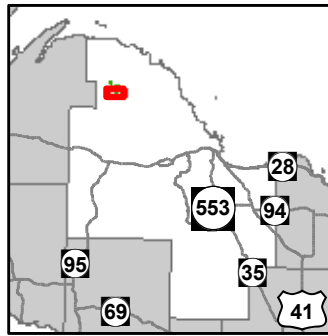


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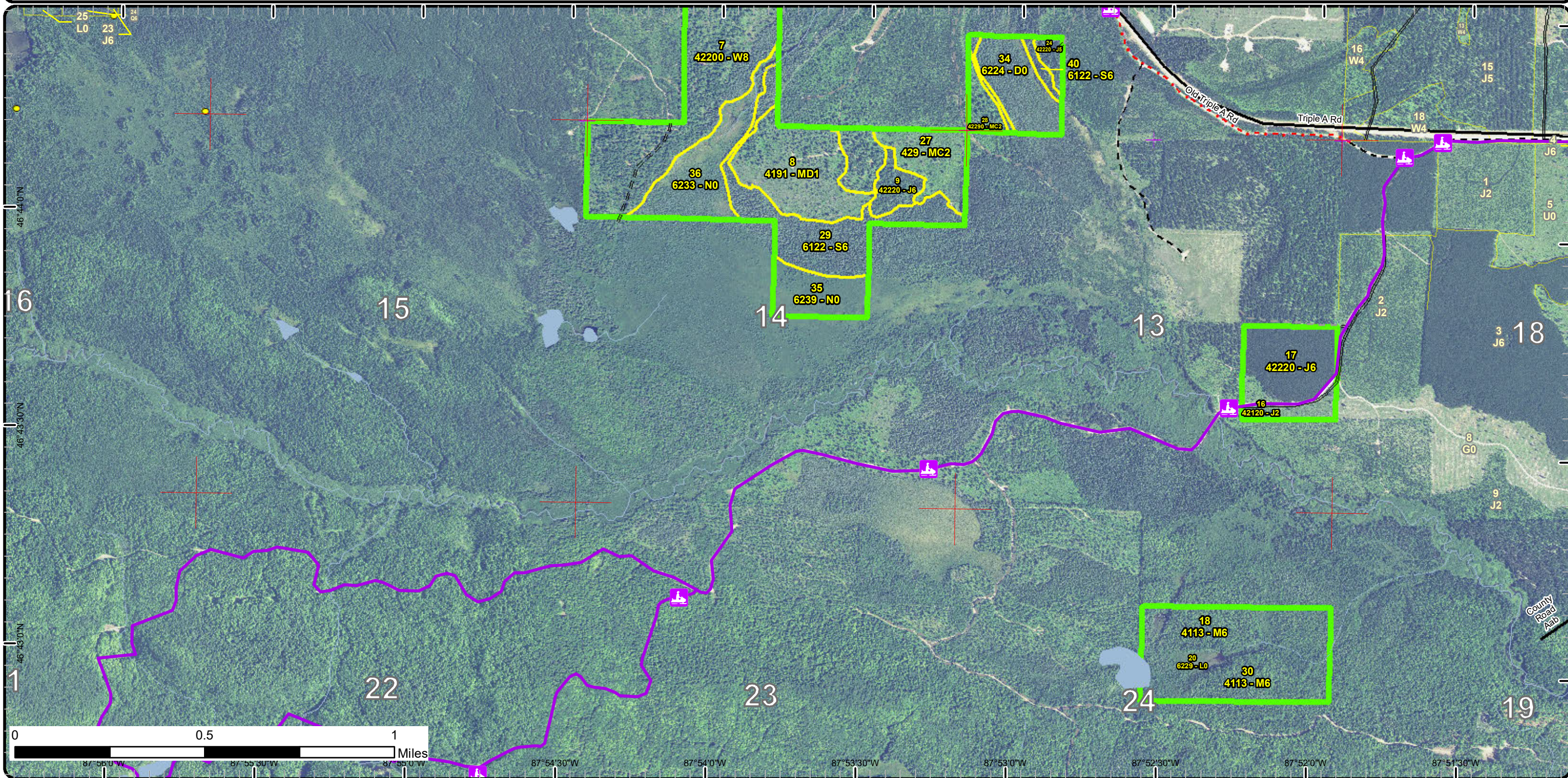


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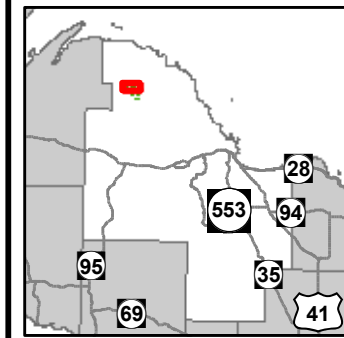


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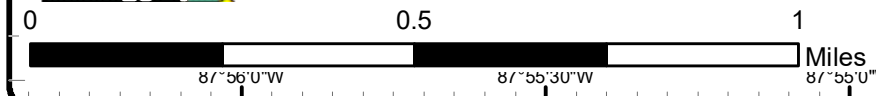
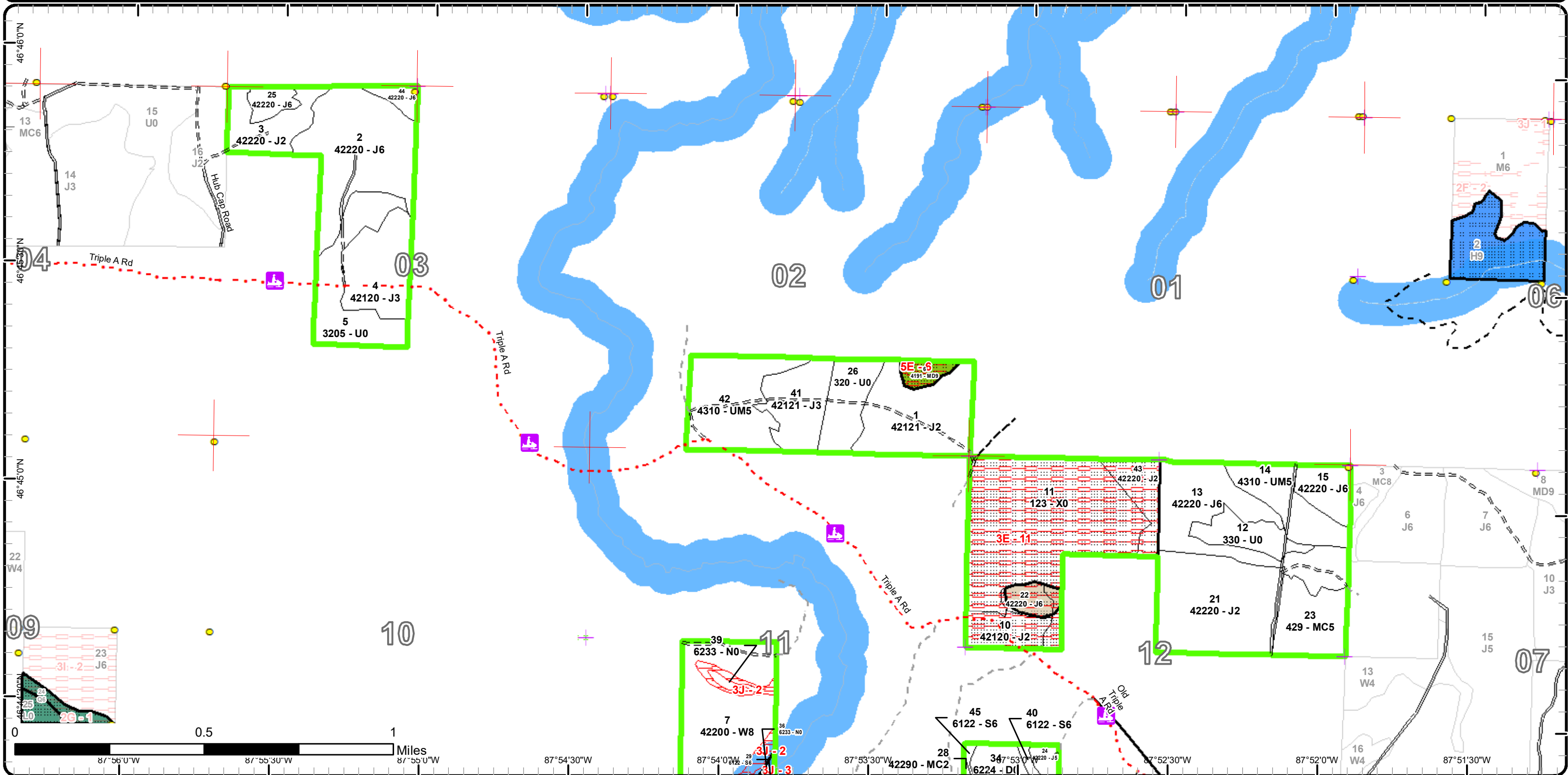


Special Conservation Areas & Site Conditions Map

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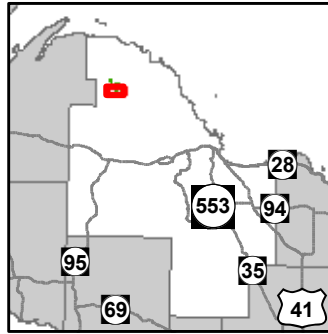


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- Compartment Boundary
- Unavailable
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Verified Type 2 Old Growth
- Riparian Area
- Habitat Corridor
- Possible Type 2 Old Growth
- Cultural Use Area

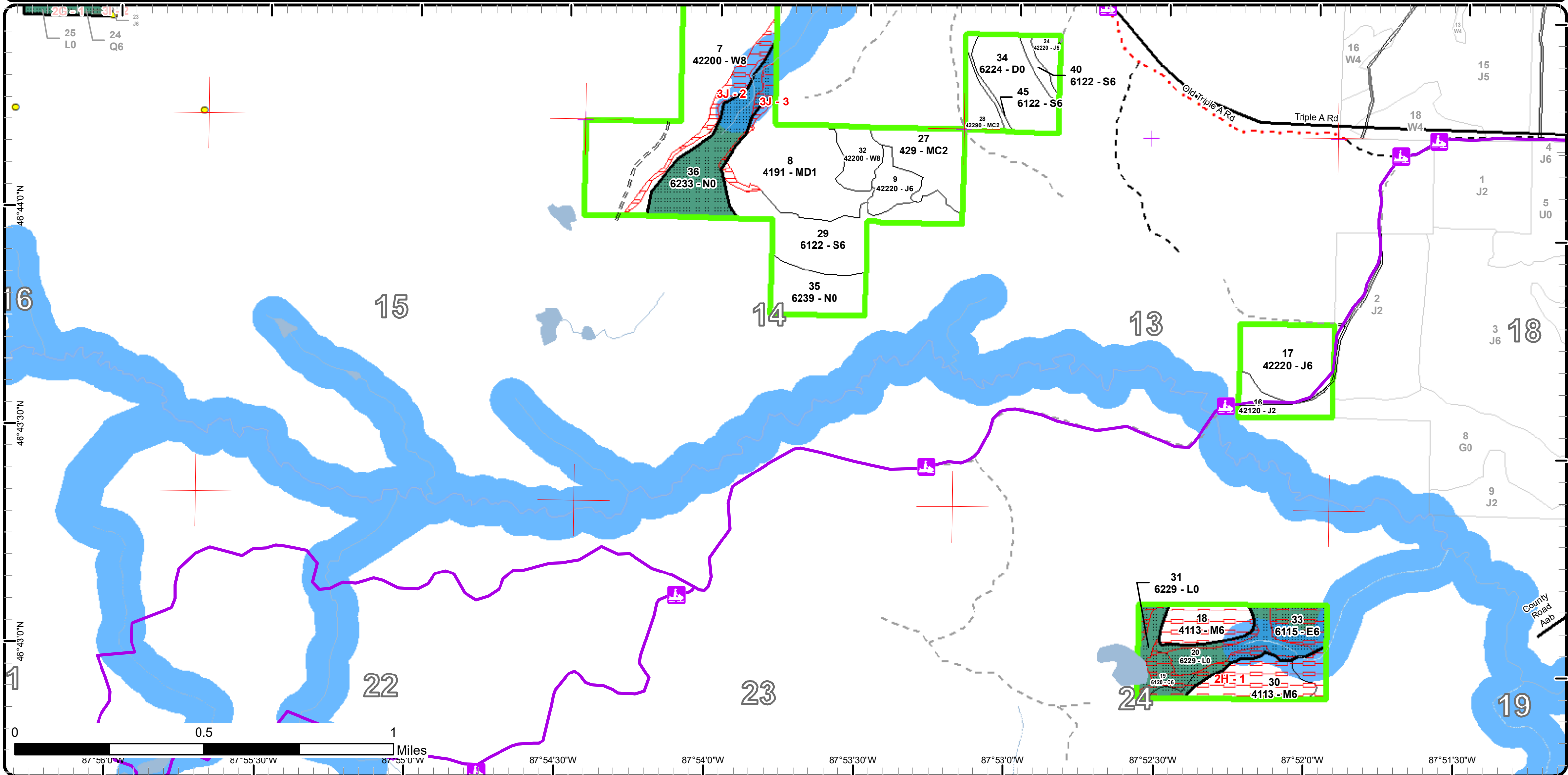


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- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Wild & Scenic Streams (USFS Lands)
- Cold Water Streams
- High Priority Trout Stream Buffer
- Habitat Corridor



Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment 207 Year of Entry 2020



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
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Jack Pine	0	11	79	104	102	57	0	0	7	0	0	0	0	0	0	0	0	0	358
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Deciduous	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	48
Marsh	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	47
Natural Mixed Pines	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Northern Hardwood	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	20	43
Treed Bog	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Upland Conifers	0	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Upland Mixed Forest	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	57
Upland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Urban	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
White Pine	0	0	0	0	0	0	0	0	0	11	103	0	0	0	0	0	0	0	113
Total	246	74	108	104	102	57	0	15	135	11	103	0	0	0	0	0	0	30	982



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 207

Total Compartment Acres: 982

Commercial Harvest - 99
 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
White Pine		0	0	0	99	0	0	0	0	0	99
	Total	0	0	0	99	0	0	0	0	0	99

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		99	42	0	0	0	88	0	0	0	229
Next Step		0	99	0	42	0	42	229	0	0	413
	Total	99	141	0	42	0	42	318	0	0	642



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
4	32207004- Monitor	27.1	42120 - Planted Jack Pine	Sapling Well	24	Immature	Monitoring	Artificial Regen(1yr)	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Count per TMS spec W32-776											
<u>Specs:</u>											
<u>Next Step</u> ; ; ; Monitoring, Artificial Regen(3yr)											
<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> 04/01/2017											
5	32207005- Monitor	30.7	3205 - Mixed Upland Shrub	Nonstocked		Unspecified	Monitoring	Artificial Regen(1yr)	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No		Site Condition:									
<u>Prescription</u> First year count for c32-772 Planted by superior forestry services. Planted aprox. 1000 T/A.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> jack pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 04/01/2017											
7	32207007-Cut	88.8	42200 - Natural White Pine	Sawtimber Medium	91	81-110	Harvest	Seed Tree with Retention	4220 - Natural White Pine	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Mark white pine to leave, with a target BA of 20-30SF leave all red pine, hemlock and oak if found. Legacy trees will be left with this treatment.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> White pine, oak, red pine, jack pine, maple, spruce, fir											
<u>Regen:</u>											
<u>Other</u> Wildlife - Black cherry be retained (3%) – black bear, white-tailed deer, No over-sized pine should be harvested and could we think about a											
<u>Comment:</u> higher SF like 20-30.											
<u>Proposed Start Date:</u> 10/01/2019											
8	32207008- Prep	41.9	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	5	1-50	SitePrep	Roller Chopping	4212 - Planted Jack Pine	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Roller chop cherry brush and sparse aspen then herbicide and plant jack pine. avoid white pine during roller chopping.											
<u>Specs:</u>											
<u>Next Step</u> Pesticide, Skidder/Mechanical; Seeding, Machine Seed; Monitoring, Direct Seeding											
<u>Treatments:</u>											
<u>Acceptable</u> Jack pine											
<u>Regen:</u>											
<u>Other</u> Wildlife - Retain all White Pine- black bear											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2019											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
12	32207012-Monitor	13.1	330 - Low-Density Trees	Nonstocked	2017	Unspecified	Monitoring	Artificial Regen(1yr)	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription
Specs:

Next Step ; ; Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Jack pine, mixed conifer
Regen:

Other Percent to Treat = 100%
Comment:

Proposed Start Date: 04/01/2019

26	32207026-Monitor	17.3	320 - Upland Shrub	Nonstocked		Unspecified	Monitoring	Artificial Regen(1yr)	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription
Specs:

Next Step ; ; Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Jack pine, mixed conifer
Regen:

Other Percent to Treat = 100%
Comment:

Proposed Start Date: 04/01/2019

32	32207032-Cut	10.5	42200 - Natural White Pine	Sawtimber Medium	81	1-50	Harvest	Seed Tree with Retention	4220 - Natural White Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark white pine to leave, with a target BA of 20-30SF leave all red pine, hemlock and oak if found. Legacy trees will be left with this treatment.
Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable White pine, red pine, jack pine
Regen:

Other Wildlife - Black cherry be retained (3%) – black bear, white-tailed deer, No over-sized pine should be harvested and could we think about a
Comment: higher SF like 20-30?

Proposed Start Date: 10/01/2019

**Total Treatment
Acreage Proposed: 229.4**

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 207
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2H	3E	3J	5E
5	0	0	5	Cedar	5			
358	327	0	31	Jack Pine		31		
13	13	0	0	Low-Density Trees				
15	0	0	15	Lowland Deciduous	15			
17	17	0	0	Lowland Shrub				
48	41	0	6	Lowland Spruce/Fir			6	
54	54	0	0	Marsh				
47	42	0	5	Mixed Upland Deciduous				5
7	7	0	0	Natural Mixed Pines				
42	0	0	42	Northern Hardwood	42			
23	23	0	0	Treed Bog				
43	43	0	0	Upland Conifers				
57	57	0	0	Upland Mixed Forest				
48	48	0	0	Upland Shrub				
91	0	0	91	Urban		91		
113	99	0	14	White Pine			14	
982	772		210	Total Forested Acres	62	122	20	5
	79%		21%	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
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	62	2E: Road needed	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Rick Hill : Examiner

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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3E: Easement / lease, non- military (e.g.- Consumers Power red pine, etc)	122	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	Proposed SCA	5
Comments Type 2?				
	Habitat Areas or Corridors	Habitat Corridor	Proposed SCA	42
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 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	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
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.
SCA	Wild and Scenic Rivers	Wild and Scenic Rivers are established under authority of the National Wild and Scenic Rivers Act, Public Law 90-542, as amended. Each Wild and Scenic River has a river specific Federal management plan, and State agencies may enter into written cooperative agreements with the administering Federal agency for the management of Wild and Scenic Rivers that are upon State-owned lands. There are 18 miles of Federal designated Wild and Scenic Rivers that are located within the State Forest.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	39.1	10	Immature	Numerous old white pine stumps, especially on north part of stand. Harvested in summer 2002 by Holli Forest Products, permit #101-00-01, "Salmon Trout Pine Sale". Regenerated under FTP #C31-439. Planted in 2005, replanted in bare spots 5/25/08. Looks to be poor quality planting stock with much of it dying. Medium to poorly stocked with trees spring 2008. Stocking varies with some aspen and oak mixed in with the jack pine.
2	42220 - Natural Jack Pine	Poletimber Well	51.5	35	Unspecified	This stand was seeded in '83. Well-stocked and mostly well-spaced but some thick areas, especially north. Overall 2-stick average size just coming into pole size. 4-8" dbh average.
3	42220 - Natural Jack Pine	Sapling Medium	17.8	14	Immature	Stand was harvested in summer 2002 by Holli Forest Products permit # 101-00-01 "Salmon Trout Pine Sale". Stand was regenerated under FTP #C31-440. Actual trenching & seeding occurred on 11/30/2004 by Bob Gustafson. Stand is moderately stocked.
4	42120 - Planted Jack Pine	Sapling Well	27.1	24	Immature	Stand was cut in 1992 under permit #16-90. Stand was planted 5/1994 under FTP C-31-281. Some areas have patches of well-stocked trees 2"-3" dbh but many sparse understocked areas. 5000 white pine planted where planted in 2016 by superior forestry services under ftp W32-776.
6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	5.3	65	81-110	Area of hardwood and oak with some older white pine and hemlock present. The stand does not appear to be old growth with good evidence of prior cutting present in the form of large stumps. This stand is great for diversity however and should be left to act as a pocket of mature hardwood forest surrounded by young jack pine.
7	42200 - Natural White Pine	Sawtimber Medium	102.7	91	81-110	Stand was cut using a selection system in 2013 by Holli Forest Products under sale #32-113-10-01 (Triple A White Sale). Site failed a walkthrough checking for regeneration and will need further harvest to regenerate white pine
8	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	41.9	5	1-50	Stand was cut in 2013 by Holli Forest Products under sale #32-113-10-01 (Triple A White Sale). The stand has come back to cherry brush with a few residual white pine trees present. Additional treatment will be needed to get back a productive stand.
9	42220 - Natural Jack Pine	Poletimber Well	9.0	45	81-110	Appears never planted after harvest. Mix of aspen, j. pine, w. pine and spruce. Some cherry and other species. Good diversity of trees here.
10	42120 - Planted Jack Pine	Sapling Medium	12.2	24	Immature	Cut in 1992 by Escanaba Paper Co. under Permit #16-90. The stand was regenerated under FTP 31-282, stand was trenched in 1992 and planted in 1993. Area is within the leased grounds of the Eagle Mine.
13	42220 - Natural Jack Pine	Poletimber Well	43.3	40	Unspecified	
14	4310 - Pine, Oak Mix	Poletimber Medium	20.6	77	1-50	Harvested in 2012 under TS# 114-10-01. Chapter 7 to accept Natural oak regen was submitted, dropping FTP 32-772.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	42220 - Natural Jack Pine	Poletimber Well	11.6	39	51-80	Planted in the spring of 1978. 2-0 STOCK. 1-3 stick well-stocked jack pine plantation. . Some oak in NE part of stand.
16	42120 - Planted Jack Pine	Sapling Medium	10.7	9	Immature	Was commercially cut in June/July 2003 by Dennis Bernard for Ed Giguere Logging, Inc., permit # 102-00-01, "Yellow Dog Plains Sale". FTP C31-451 covered disk trenching & seeding jack pine here. Note that red & white pine were left as well as 2 stick and smaller spruce (mostly on west end of stand). Replanted 5/25/2008 in sparse areas.
17	42220 - Natural Jack Pine	Poletimber Well	28.4	36	Unspecified	
18	4113 - R.Maple, Conifer	Poletimber Well	19.5	95	111-140	Poor quality timber with offsite maple and a mix of spruce and fir growing. Small. Moose sign and beaver active adjacent. Very poor access. Nice fringe of w. pine 20"+ along s. edge. This stand has sandy soils better suited to growing pine.
19	6120 - Lowland Cedar	Poletimber Well	5.3	115	111-140	
21	42220 - Natural Jack Pine	Sapling Medium	52.1	23	Immature	Cut in 1993 under permit #14-90. Planted 5/94.
22	42220 - Natural Jack Pine	Poletimber Well	6.5	77	111-140	Eagle Rock, this area is considered sacred site by local tribe. This stand is a SCA for its cultural significance.
23	429 - Mixed Upland Conifers	Poletimber Medium	22.1	15	1-50	Was commercially cut in June/July 2003 by Dennis Bernard for Ed Giguere Logging, Inc, under permit #102-00-01, "Yellow Dog Plains Sale". The red and white pine was left as well as oak, cherry, & 2 stick & smaller spruce.
24	42220 - Natural Jack Pine	Poletimber Medium	4.5	43	51-80	A few gaps or sparse areas. 2-3 stick average. Jack Pine mixed with black spruce.
25	42220 - Natural Jack Pine	Poletimber Well	6.0	35	Unspecified	Area seeded in 1983.
27	429 - Mixed Upland Conifers	Sapling Medium	21.1	9	Immature	Was commercially cut in June/July 2003 by Dennis Bernard for Ed Giguere Logging, Inc, permit #102-00-01, "Yellow Dog Plains Sale". FTP C31-452 covers disk trenching & seeding jack pine here. Note that red & white pine were left as well as 2 stick and smaller spruce, and oak & cherry. Herbicide was not prescribed. Replanted in bare spots 5/27/2008.
28	42290 - Natural Mixed Pine	Sapling Medium	7.3	15	1-50	Was commercially cut in June/July 2003 by Dennis Bernard for Ed Giguere Logging, Inc. under permit # 102-00-01, "Yellow Dog Plains Sale". Red & white pine, oak, cherry, and 2 stick & smaller spruce were left. It was felt that disk trenching would be too destructive to the residual stand here, especially with the small acreage and sloping terrain facing the swamp, so natural regeneration was utilized here.
29	6122 - Black Spruce	Poletimber Well	42.2	74	51-80	

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Gwinn Mgt. Unit

Report 7 – Forested Stands

Compartment: 207
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	4113 - R.Maple, Conifer	Poletimber Well	22.8	75	111-140	Poor quality timber with offsite maple and a mix of spruce and fir growing. Small. Moose sign and beaver active adjacent. Very poor access. Nice fringe of w. pine 20"+ along s. edge. This stand has sandy soils better suited to growing pine.
32	42200 - Natural White Pine	Sawtimber Medium	10.5	81	1-50	Stand was cut using a heavy selection system in 2013 by Holli Forest Products under sale #32-113-10-01 (Triple A White Sale).
33	6115 - Lowland Ash	Poletimber Well	14.6	65	111-140	
40	6122 - Black Spruce	Poletimber Well	3.1	77	81-110	
41	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	21.7	15	Immature	
42	4310 - Pine, Oak Mix	Poletimber Medium	36.1	77	1-50	Harvested in 2012: TS# 114-10-01.
43	42220 - Natural Jack Pine	Sapling Medium	12.4	22	Immature	Cut in 1993 under permit #15-9. Stand was planted in 5/95.
44	42220 - Natural Jack Pine	Poletimber Well	4.4	34	51-80	Area seeded in '83. Well-stocked and mostly well-spaced but some thick areas.
45	6122 - Black Spruce	Poletimber Well	2.3	77	81-110	well-stocked spruce lowland. 2-3 stick mostly. Bog plants under with many pitcher plants. Fades farther in to 2" dbh treed bog non-productive.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	3205 - Mixed Upland Shrub	30.7		Stand was harvested in 2012 under sale 114-10-02. Site is currently under FTP# C32-772. Site was Planted at 1000 Trees per acre in 2016 by superior forestry services. Currently the stand is being monitored for successful regeneration.
11	123 - Other High Intensity Urban	91.1	No	Under lease agreement for Eagle Mine.
12	330 - Low-Density Trees	13.1		13 acres salvage cut under permit TS#119-12-01. Stand was planted in 2015 but it appears that most of the seedlings failed, leaving only about 217 viable seedlings (including volunteers) per acre when surveyed in 2016. Stand was trenched in the spring of 2017, and 3-0 JP was handplanted in the spring of 2017 by Superior Forestry Services.
20	6229 - Mixed lowland shrub	12.1	No	Drained beaver pond. Some shrubs coming in. Some Q1 and some water still in lowered beaver pond. Beaver active SW. Mostly low 3' tall alder and other shrubs.
26	320 - Upland Shrub	17.3		Salvage cut in 2013: under TS# 119-12-01. Planted in 2015, put per 2016 regen surv only about 142 acceptable seedlings (including volunteers). Stand was trenched in the spring of 2017 by DNR resources site was planted shortly after in late spring by superior forestry at a rate of 1000T/A.
31	6229 - Mixed lowland shrub	4.9	No	
34	6224 - Treed Bog	23.3	No	Non-productive black spruce. Stunted trees and open bog.
35	6239 - Mixed Emergent Wetland	19.1	No	Bog and areas of marsh vegetation with 6' alder and other lowland shrubs. Some areas very thick with lowland shrubs. D just north.
36	6233 - Wet Meadow	32.9	No	Riparian corridor for the Salmon Trout River. Small spruce more heavily stocked NE end. Mostly marsh grasses. Cattails along creek. Some areas of lowland shrubs. S2 along upland forest edge.
39	6233 - Wet Meadow	1.5	No	Small narrow marsh in w. pine stand. Very old beaver dam. Stream flow, possibly permanent, headwater tributary to Salmon Trout. Recommend 1 chain uncut buffer along both sides of stand and adjacent stream channel east and west in white pine stand.