



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32283

Entry Year 2016

Acreage: 1288.49130000

County Marquette

Management Area: Sand River Lake Plain

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**Revision Date:** 2014-09-18

**Stand Examiner:** Jennifer Burnham

**Legal Description:**

T47N, R 23W, Sections 10, 15

**Identified Planning Goals:**

This compartment is part of the Sand River Lake Plain Management Area. The objectives for the area include: timber harvesting, maintenance or enhancement of wildlife habitat, protection of areas with unique characteristics, and opportunities for forest recreation.

**Soil and topography:**

Glacial drainage ways, till plains, and ground moraines from topography that is nearly level to moderately steep. Soils are very poorly drained nonacid organic soils, poorly drained loamy soils, well drained loams, and poorly drained loams.

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

The compartment is part of a large block of state ownership. There are a few small, non-industrial ownerships in northern part of the compartment.

**Unique Natural Features:**

No Unique Natural Features known.

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

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

**Special Management Designations or Considerations:**

None known.

**Watershed and Fisheries Considerations:**

Fisheries Values: Minimal to None

Fisheries Concerns: Most of the northern tier of this compartment contains wet areas which drain to Lake LeVassuer. The wet areas do not provide any benefits as a fishery, but still contribute to the natural processes in ground and surface water movement. Any prescribed treatments should use standard BMP's near any wetland areas.

**Wildlife Habitat Considerations:**

Compartment 283 is found within the Sand River Lake Plain Management Area; on a Till-floored Lake Plain in northeastern Marquette County. The dominant Natural Communities are mesic northern forest and poor conifer swamps. Major forest cover types include Northern Hardwoods, Aspen, and Hemlock. Wildlife species considerations in the Sand River Lake Plain Man include managing to provide coniferous thermal cover for deer wintering complexes. The emphasis should be on hemlock in this management area as it represents approximately 20% of the WUP hemlock resource. Along with maintaining wildlife movement corridors along vernal and permanent riparian watercourses is also very important. Wildlife management issues in the management area are: habitat fragmentation; course woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; and deer wintering complexes.

The following have been identified as featured species for the Sand River Lake Plain Management Area: American marten, Blackburnian warbler, red-shouldered hawk, and white-tailed deer.

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

Sections 10 - 15, T47N-R23W, Marquette County

Surface sediments consist of thin to discontinuous lacustrine (lake) sand and gravel over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located in Section 14, and potential appears to be good.

This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Access to the compartment is good but the access to the interior of the compartment is limited.

**Survey Needs:**

Potential for survey needs in the southeast corner on the compartment for timber sales.

**Recreational Facilities and Opportunities:**

The Marquette-Manistique Trail runs through the north section of the compartment. It is a gravel ORV and Snowmobile trail.

**Fire Protection:**

Compartment is mainly lowland timber types that have low fire potential.

**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 & Treatment Map

Compartment: 283  
 T47N R23W Sec. 10, 15  
 County: Marquette  
 Unit: Gwinn  
 Management Area: Sand River Lake Plain  
 YOE: 2016  
 Acres: 1,288 GIS Calculated  
 Examiner: Jennifer Burnham  
 Map Revised: 06/18/2014  
 Map Phase: Pre-Review

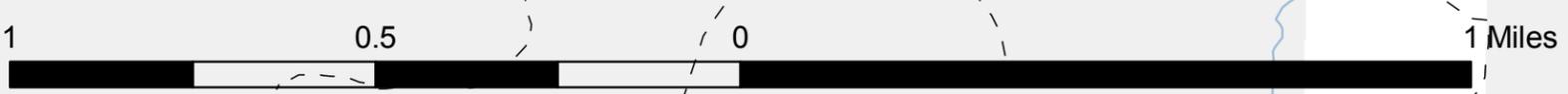
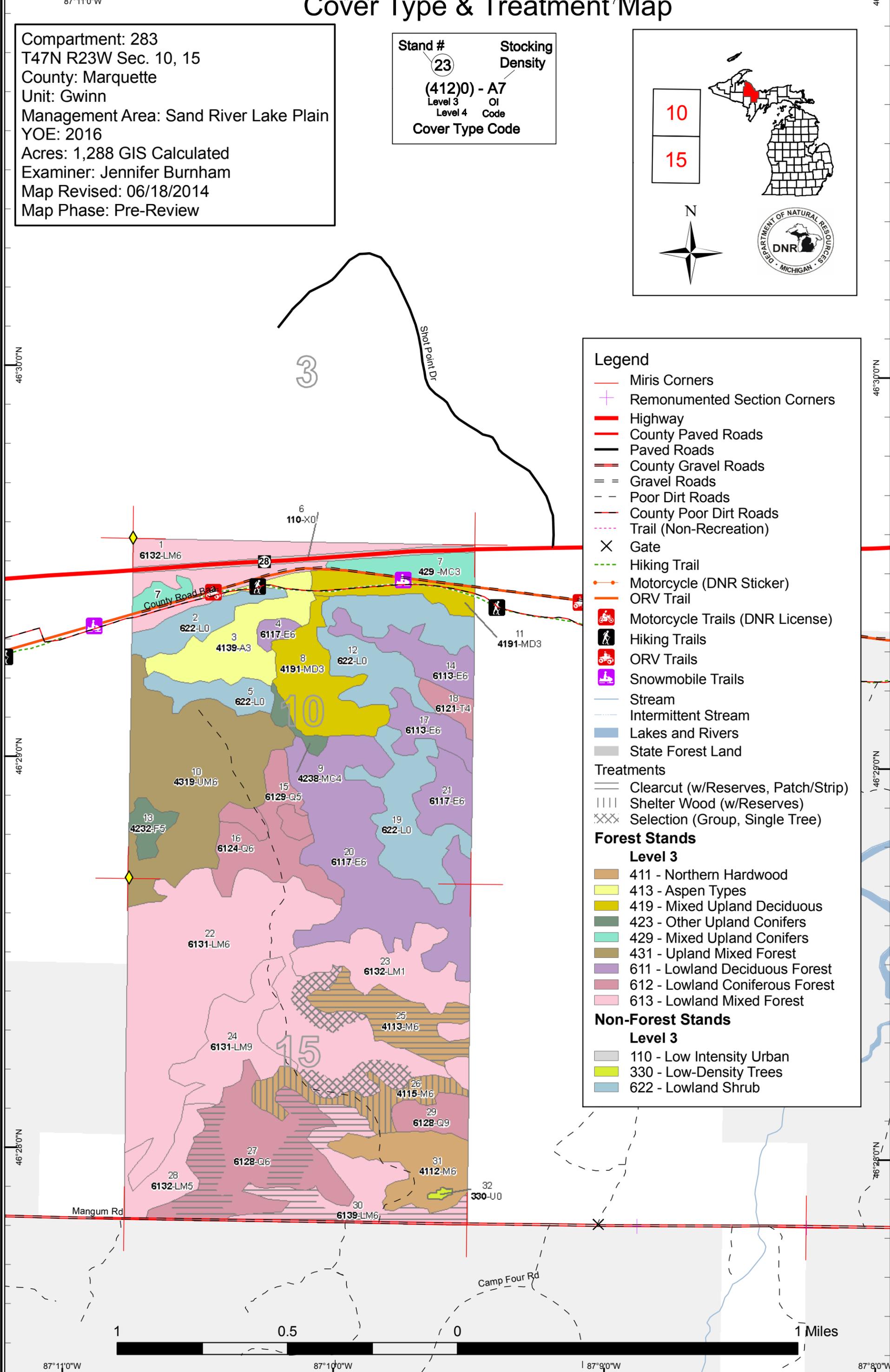
**Stand #**  
 23  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

10  
 15



## Legend

- Miris Corners
  - + Remonumented Section Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - = = Gravel Roads
  - - Poor Dirt Roads
  - - County Poor Dirt Roads
  - - Trail (Non-Recreation)
  - × Gate
  - - Hiking Trail
  - Motorcycle (DNR Sticker)
  - ORV Trail
  - Motorcycle Trails (DNR License)
  - Hiking Trails
  - ORV Trails
  - Snowmobile Trails
  - Stream
  - Intermittent Stream
  - Lakes and Rivers
  - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - |||| Shelter Wood (w/Reserves)
  - XXX Selection (Group, Single Tree)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 429 - Mixed Upland Conifers
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 110 - Low Intensity Urban
  - 330 - Low-Density Trees
  - 622 - Lowland Shrub



87°11'0"W 87°10'0"W 87°9'0"W 87°8'0"W

46°30'0"N 46°29'0"N 46°28'0"N 46°27'0"N

46°30'0"N 46°29'0"N 46°28'0"N 46°27'0"N

# Stand Boundary Map

Compartment: 283  
 T47N R23W Sec. 10, 15  
 County: Marquette  
 Unit: Gwinn  
 Management Area: Sand River Lake Plain  
 YOE: 2016  
 Acres: 1,288 GIS Calculated  
 Examiner: Jennifer Burnham  
 Map Revised: 06/18/2014  
 Map Phase: Pre-Review

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

10  
 15



## Legend

- Remonumented Section Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Gate
- Snowmobile Trail
- Motorcycle (DNR Sticker)
- ORV Trail
- Hiking Trail
- Motorcycle Trails (DNR License)
- Hiking Trails
- ORV Trails
- Snowmobile Trails
- Stream
- Intermittent Stream
- Stand Boundaries

## Forest Stands

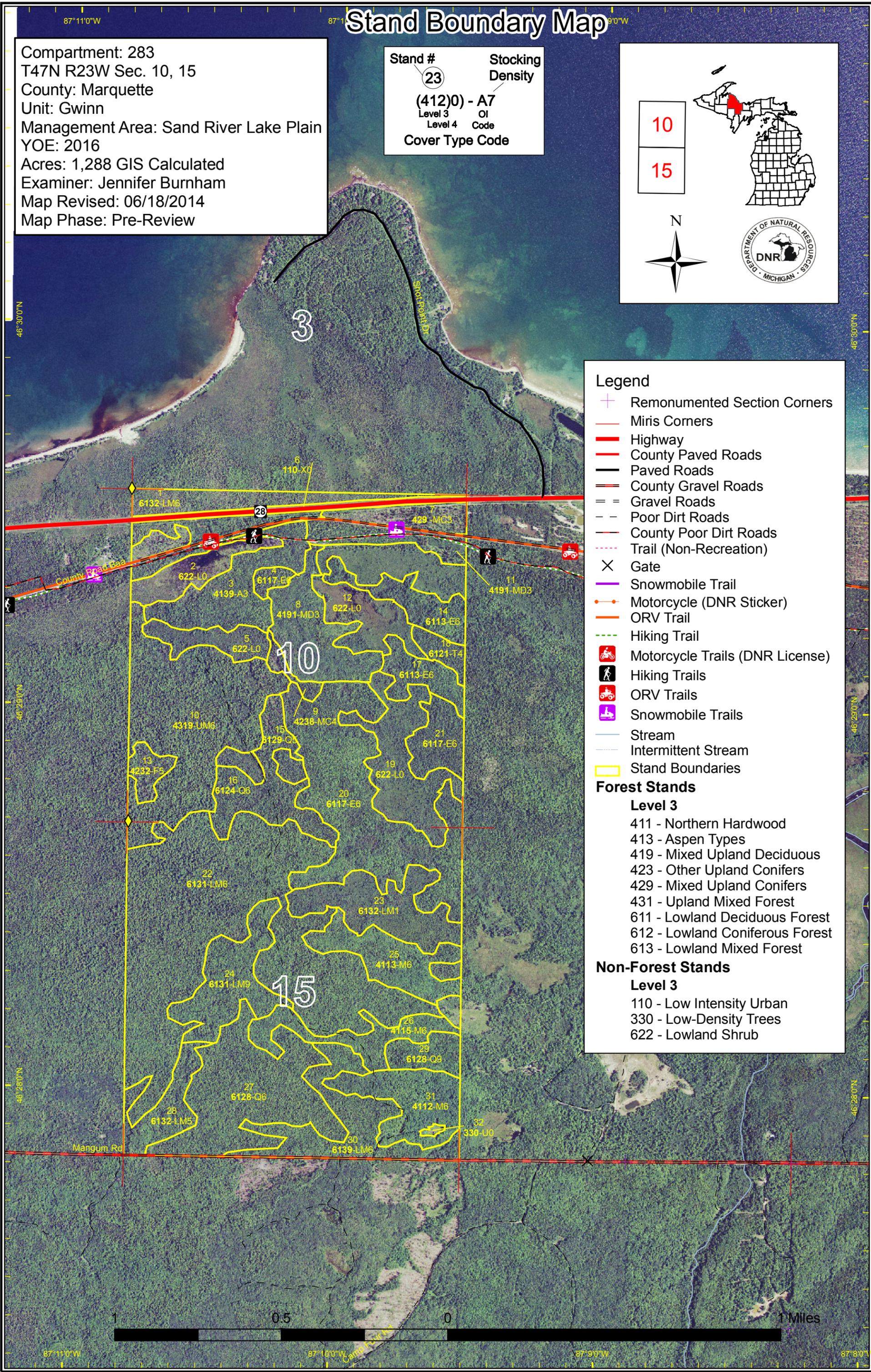
### Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

## Non-Forest Stands

### Level 3

- 110 - Low Intensity Urban
- 330 - Low-Density Trees
- 622 - Lowland Shrub



# Special Conservation Areas & Site Conditions Map

Compartment: 283  
 T47N R23W Sec. 10, 15  
 County: Marquette  
 Unit: Gwinn  
 Management Area: Sand River Lake Plain  
 YOE: 2016  
 Acres: 1,288 GIS Calculated  
 Examiner: Jennifer Burnham  
 Map Revised: 06/18/2014  
 Map Phase: Pre-Review

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

10  
 15



**Legend**

- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
- 4A: No merchantable products (see product standards)
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Special Conservation Areas
- Cold Water Streams
- High Priority Trout Stream Buffer

46°30'0"N

46°29'0"N

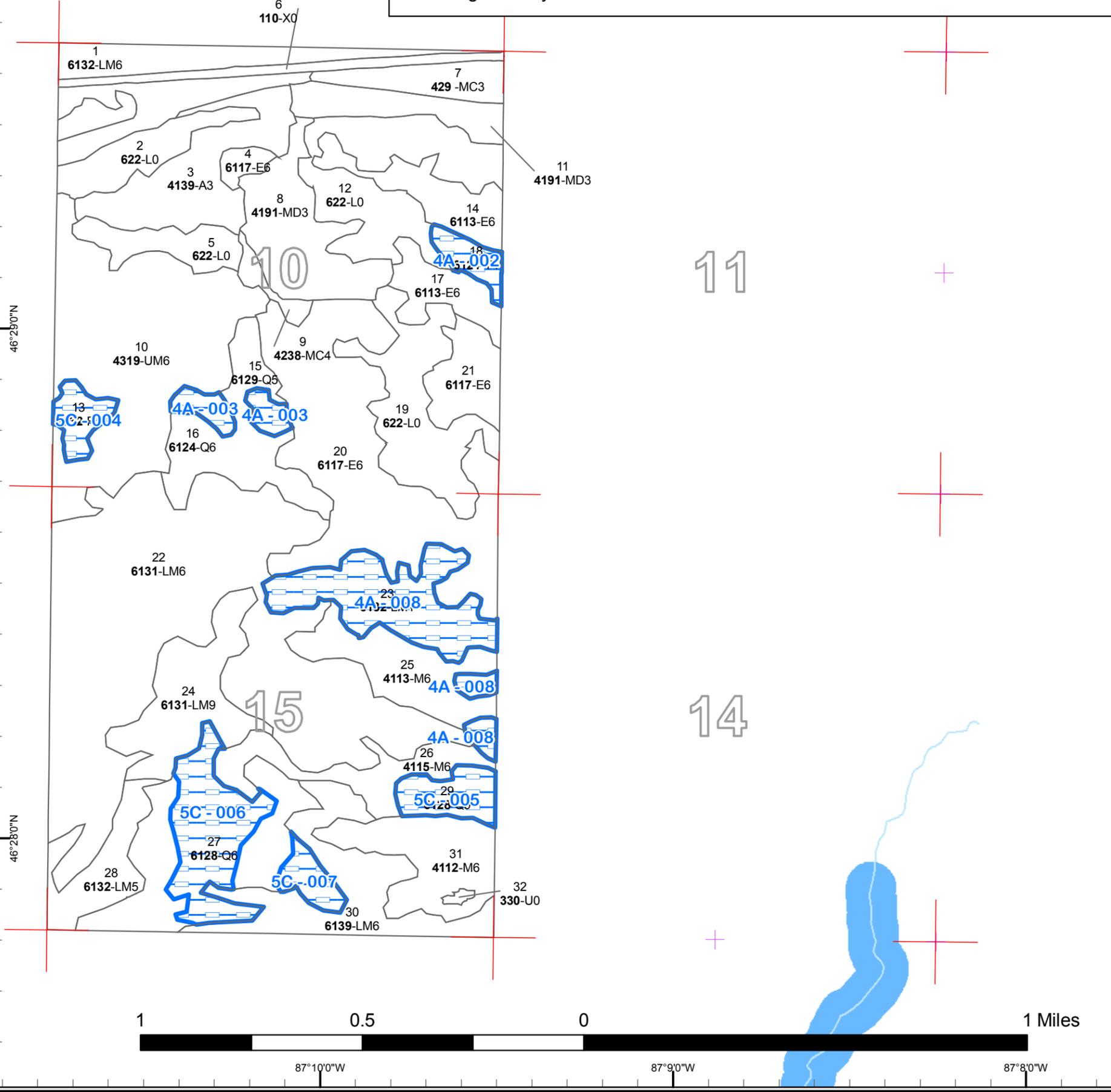
46°28'0"N

87°8'0"W

87°9'0"W

87°10'0"W

87°11'0"W



Compartment is mainly lowland timber types that have low fire potential.

**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**
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**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

Compartment 283 Year of Entry 2016

Jennifer Burnham : Examiner



	Age Class													Total	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	0	0	44	0	0	0	0	0	0	0	0	0	0	44
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	0	0	0	39	0	109	0	0	0	0	148
Lowland Deciduous	0	0	0	0	0	0	134	45	0	0	0	0	0	0	179
Lowland Mixed Forest	0	0	0	0	0	0	0	141	0	301	0	0	0	0	443
Lowland Shrub	139	0	0	0	0	0	0	0	0	0	0	0	0	0	139
Mixed Upland Deciduous	0	63	0	0	0	0	0	0	0	0	0	0	0	0	63
Northern Hardwood	0	0	0	0	0	0	0	98	0	0	0	0	0	0	98
Tamarack	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Upland Conifers	24	0	0	0	0	0	0	5	0	0	0	0	0	0	29
Upland Mixed Forest	0	0	0	0	0	0	0	0	114	0	0	0	0	0	114
Upland Spruce/Fir	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
<b>Total</b>	<b>177</b>	<b>63</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>134</b>	<b>338</b>	<b>122</b>	<b>411</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1288</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 283**  
**Total Compartment Acres: 1,288**

### Acres by Treatment Type

Commercial Harvest - 156	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

### Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
<b>Lowland Coniferous Forest</b>	38	0	0	0	0	0	<b>38</b>
<b>Lowland Mixed Forest</b>	32	25	0	0	0	0	<b>56</b>
<b>Northern Hardwood</b>	35	0	0	27	0	0	<b>61</b>
<b>Total</b>	<b>104</b>	<b>25</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>156</b>

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22 32283022-Cut_small	13.8	6131 - Hemlock, White Pine, Maple, Birch	High Density Pole	96	81-110	Harvest	Group Selection	613 - Lowland Mixed Forest	Cmpt. Review Proposal

Prescription Final harvest areas along stand 26 and 25 boundary to promote diversity and possible food for deer yard area. Do not cut cedar or hemlock  
Specs:

Other Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.  
Comments:

Next Regen counts - natural regen, spp will be what is present now.  
Steps:

Proposed  
Start Date: 10/01/2015

22 32283022-Cut_small_1	11.0	6131 - Hemlock, White Pine, Maple, Birch	High Density Pole	96	81-110	Harvest	Group Selection	613 - Lowland Mixed Forest	Cmpt. Review Proposal
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Prescription Final harvest areas along stand 26 boundary to promote diversity and possible food for deer yard area. Do not cut cedar or hemlock  
Specs:

Other Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.  
Comments:

Next Regen counts - natural regen, spp will be what is present now.  
Steps:

Proposed  
Start Date: 10/01/2015

25 32283025-Cut	34.5	4113 - R.Maple, Conifer	High Density Pole	72	81-110	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal
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Prescription Remove all species except for white pine, hemlock and cedar. Retain big tooth aspen in retention pockets. Harvest in the winter on frozen ground.  
Specs:

Other Winter Harvest. There is more blow down at the north end of the stand, no chipping due to SGF- Am. Martin, Red Shouldered hawk.  
Comments:

Next Monitor for natural regeneration - will get same species present as what is there now.  
Steps:

Proposed  
Start Date: 10/01/2015

26 32283026-Cut	26.6	4115 - Y.Birch, Hemlock NH	High Density Pole	74	51-80	Harvest	Shelter Wood with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal
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Prescription Final harvest leaving hemlock, cedar and yellow birch. Mostly high ground but some areas of wet; stand should be harvested in frozen conditions.  
Specs: Retain big tooth aspen in regen pockets.

Other No chipping due to SGF- Am. Martin, Red Shouldered hawk.  
Comments:

Next Natural regeneration- same species will regenerate as in the stand now.  
Steps:

Proposed  
Start Date: 10/01/2015

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27 32283027-Cut_small_1	21.0	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	96	81-110	Harvest	Patch or Strip Clearcut	613 - Lowland Mixed Forest	Cmpt. Review Proposal

Prescription Specs: Final harvest removing all spp. Do not cut cedar or hemlock. There will be areas where the BA is high and may need to be excluded from the treatment.

Other Comments: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.

Next Steps: Regen check. Natural regeneration of the spp that are present now.

Proposed Start Date: 10/01/2015

27 32283027-Cut_small_2	17.4	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	96	81-110	Harvest	Patch or Strip Clearcut	613 - Lowland Mixed Forest	Cmpt. Review Proposal
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Prescription Specs: Final harvest removing all spp. Do not cut cedar or hemlock. There will be areas where the BA is high and may need to be excluded from the treatment.

Other Comments: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.

Next Steps: Regen check. Natural regeneration of the spp that are present now.

Proposed Start Date: 10/01/2015

30 32283030-Cut_small	22.7	6139 - Mixed Lowland Forest	High Density Pole	74	81-110	Harvest	Patch or Strip Clearcut	613 - Lowland Mixed Forest	Cmpt. Review Proposal
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Prescription Specs: Final Harvest removing all spp except hemlock and cedar. Some areas will have a higher BA of these spp and should not be part of the treatment.

Other Comments: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.

Next Steps: Regen check - natural regen of spp that are currently present.

Proposed Start Date: 10/01/2015

30 32283030-Cut_small_1	8.9	6139 - Mixed Lowland Forest	High Density Pole	74	81-110	Harvest	Patch or Strip Clearcut	613 - Lowland Mixed Forest	Cmpt. Review Proposal
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Prescription Specs: Final Harvest removing all spp except hemlock and cedar. Some areas will have a higher BA of these spp and should not be part of the treatment.

Other Comments: Winter harvest, no chipping due to SGF- Am. Martin, Red Shouldered hawk.

Next Steps: Regen check - natural regen of spp that are currently present.

Proposed Start Date: 10/01/2015

**Total Treatment Acreage Proposed: 155.8**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment  
Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Gwinn Mgt. Unit

Jennifer Burnham : Examiner

Compartment 283

Year of Entry 2016

### Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions		
				No	5C	4A
44	44		<b>Aspen</b>	44		
148	148		<b>Lowland Conifers</b>	80	59	10
179	179		<b>Lowland Deciduous</b>	179		
393	393		<b>Lowland Mixed Forest</b>	393		
63	63		<b>Mixed Upland Deciduous</b>	63		
98	98		<b>Northern Hardwood</b>	98		
8	8		<b>Tamarack</b>			8
29	29		<b>Upland Conifers</b>	29		
164	164		<b>Upland Mixed Forest</b>	164		
9	9		<b>Upland Spruce/Fir</b>		9	
1,135	1,135		Total Forested Acres	1,049	68	18
	100%		Relative Percent			

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available	<b>4A: No merchantable products (see product standards)</b>	8				
<b>Comments:</b> high water table- stand will not become merchantable							
003	Available	<b>4A: No merchantable products (see product standards)</b>	10				
<b>Comments:</b> High water table will keep the stand from not being merchantable.							

## Report 5 – Site Conditions

Gwinn Mgt. Unit

Jennifer Burnham : Examiner

Compartment 283

Year of Entry 2016

004	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	2E: Road needed
<b>Comments:</b> treat when surrounding stand is harvested				
005	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	
<b>Comments:</b> wait to see how other treatments work in the area before treating this stand				
006	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	36	
<b>Comments:</b> Wait to see how surrounding treatments regenerate				
007	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	
<b>Comments:</b> Wait to see how surrounding treatments regenerate				
008	Available	<b>4A: No merchantable products (see product standards)</b>	50	
<b>Comments:</b> high water table - stand will not become merchantable				



### Report 6 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments				
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## Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.

ERA = Ecological Reference Area  
 HCVA = High Conservation Value Area  
 SCA = Special Conservation Area

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## Gwinn Mgt. Unit

## Report 8 – Forested Stands

Compartment: 283  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6132 - Mixed Lowland Forest with Cedar	High Density Pole	50.2	74	1-50	
3	4139 - Aspen, Mixed Deciduous	High Density Sapling	43.9	33		Stand cut in 1981 under final harvest. Good beaver activity in the area some of the edges will die off because of the water table. Stand holds water for a long time but is mainly upland.
4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.8	70	51-80	Cut all the way around, some high ground and will eventually convert to cedar if treatment doesn't occur. Fir is starting to die out.
7	429 - Mixed Upland Conifers	High Density Sapling	23.7	5	1-50	Stand cut in 2009
8	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	42.0	15		Stand was harvested in 1999- good regeneration. There are some areas that are a bit lower and will hold water longer, this is where the conifer is growing well.
9	42380 - Non Pine Upland Conifer, Mixed Deciduous	Low Density Pole	5.5	73	1-50	Blow down has taken most of the stand - there is regeneration coming in.
10	4319 - Mixed Upland Forest	High Density Pole	114.0	86	81-110	Some areas were picked through in 1983, this is where good hemlock, red maple regeneration is. There are areas with white birch and balsam fir. The stand is a mix of lowland and high ground - low ground only because it holds water longer than hardwood stands.
11	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	20.9	15		Regeneration is 10-15' tall- white and red pine are residual from the cutting. There are still conifer seeding in the more open areas
13	42320 - Upland Spruce	Medium Density Pole	9.4	73	51-80	
14	6113 - Lowland Maple	High Density Pole	22.6	74	51-80	Poor quality trees, wet and possible drains in the stand but the amount of snow it was hard to tell.
15	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	9.9	96	1-50	High water table, stand is more of a S4
16	6124 - Lowland Spruce-Fir	High Density Pole	39.2	73	51-80	
17	6113 - Lowland Maple	High Density Pole	17.7	76	51-80	Areas of M3 possible beaver cuttings. Possible drain in the center of the stand - not 100% sure because of the snow depth. Trace amounts of black spruce
18	6121 - Tamarack	Low Density Pole	8.2	86		basic T4/S4 - poor quality, high water table, stand will remain stunted.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	114.1	66	51-80	Stand is a mix of upland and lowland - picked lowland because it would be best to cut stand on frozen ground. It would not be impossible to treat in a dry year.
21	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	19.7	66	51-80	What stand to the north looked like before it was cut.
22	6131 - Hemlock, White Pine, Maple, Birch	High Density Pole	228.2	96	81-110	Stand is not really a lowland but with the high water table it should be harvested in frozen conditions. There are a couple small drains in the stand but dry up in the dry part of the year. Trace amounts of XL white pine. Good regeneration of hemlock and cedar in areas where blow down has occurred. Patches of cedar were cut out way back and where there is sunlight to the ground cedar is coming back. There are many old skid roads in the stand where cedar was cut out - those areas now have cedar 3-8" dbh 30-40' high, red maple, hemlock, fir and spruce are all coming back into these areas.
23	6132 - Mixed Lowland Forest with Cedar	Low Density Sapling	49.5	96	1-50	High water table is keeping timber production low. There are some "higher" areas and this is allowing for trees to grow but stand will not become merchantable.
24	6131 - Hemlock, White Pine, Maple, Birch	High Density Log	41.8	76	81-110	More drains in the stand than the surrounding areas but still many areas of higher ground. Cedar cut out in the past but still more cedar in this stand than the surrounding stands, red maple is smaller. If cedar and hemlock not cut stand would be inoperable.
25	4113 - R.Maple, Conifer	High Density Pole	34.5	72	81-110	Cedar was cut out back when, H1/M1/F2 pocketed in the understory. Saw only trace amounts of white pine and cedar. There is more blow down on the north side of the stand against the open area.
26	4115 - Y.Birch, Hemlock NH	High Density Pole	26.6	74	51-80	Leave cedar, hemlock, and yellow birch when cut.
27	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	85.1	96	81-110	In open areas there is excellent hemlock, red maple and yellow birch regeneration. Stand has wet areas but could be worked in frozen conditions. Red maple, yellow birch, balsam fir and spruce dying out because of age.
28	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	23.6	96	1-50	Drain runs through the center of the stand. High water table inhibits good growth on the timber, cedar is not as affected as the red maple.
29	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	14.3	96	81-110	wet ground, possible drain or old skid road from when the cedar was cut out. Hemlock regen in the open areas.
30	6139 - Mixed Lowland Forest	High Density Pole	49.2	74	81-110	Both lowland and upland, could be either of the two. Used lowland to keep the idea of harvesting on frozen or dry ground. Fir is falling out

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Gwinn Mgt. Unit

Report 8 – Forested Stands

Compartment: 283  
Year of Entry: 2016



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4112 - Maple, Beech, Cherry Association	High Density Pole	36.6	78	81-110	Fair to good quality, could wait another 10 years to get more dbh and BA into the stand. West side has more understory and larger canopy gaps. Very rocky ground. Thinned in 1999.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6220 - Alder/willow	21.0	No	Unspecified	Beaving Flooding, appears to be expanding so timber mortality is spreading.
5	6220 - Alder/willow	17.2	No	Unspecified	Area gets flooded annually due to beaver activity
6	11 - Low Intensity Urban	12.8	No	Unspecified	
12	6220 - Alder/willow	54.4	No	Unspecified	Beaving Flooding, appears to be expanding so timber mortality is spreading.
19	6220 - Alder/willow	46.8	No	Unspecified	
32	3301 - Low Density Deciduous Tree	1.0	Natural Regen	Northern Hardwood	Old opening filling in with surrounding spp of hardwood stand