

Revision Date: 8/20/12

Stand Examiner: Dean Wilson

Legal Description: T46N-R27W, Sections 28, 33.

RMU (if applicable): Chain Lakes Moraine Management Area

Management Goals: Mixed use.

Soil and Topography: Soils range from sandy in the north to loamy sands to sandy loams in the south. Some organic peat and muck soils occur in smaller wetland areas. Topography ranges from level to rolling to moderately hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is primarily surrounded by State land; however, it has some non-industrial lands adjacent to and inside its boundary. Land use around the area is passive recreation and forest production.

Unique, Natural Features: No known MNFI concerns. Potential for wetland plants such as Canada rice grass, black sedge, clinton's bulrush, Juncus vaseyi, sweetcoltsfoot. Potential for red-shouldered hawk in northern stands. Potential for merlin, goshawk, and eagle in W9 stands. Potential for rare plants of rich mesic forests: Carex assiniboinensis, green spleenwort, showy orchis, Ginseng, Goblin Fern. Potential for rare plants of dry northern forest and dry mesic northern forest: Dalibarda repens, pine drops.

Archeological, Historical, and Cultural Features: None identified with HAL

Special Management Designations or Considerations: Special Conservation areas are designated around riparian areas.

Watershed and Fisheries Considerations: Hemmings Lake, a small bog pond, and a spring fed tributary to the Escanaba River occur in this compartment.

Wildlife Habitat Considerations: Featured species include black bear, gray jay, northern goshawk, pileated woodpecker and red crossbill.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and minor coarse-textured glacial till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Archean Granite/Gneiss subcrop below the glacial drift. This rock could be used as dimension stone. Gravel pits are not located in the area, but potential may be good in the southern portion. The Empire iron mine is located seven miles to the northeast. Sections 34 and 35, to the east, were previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Is good to and around the compartment.

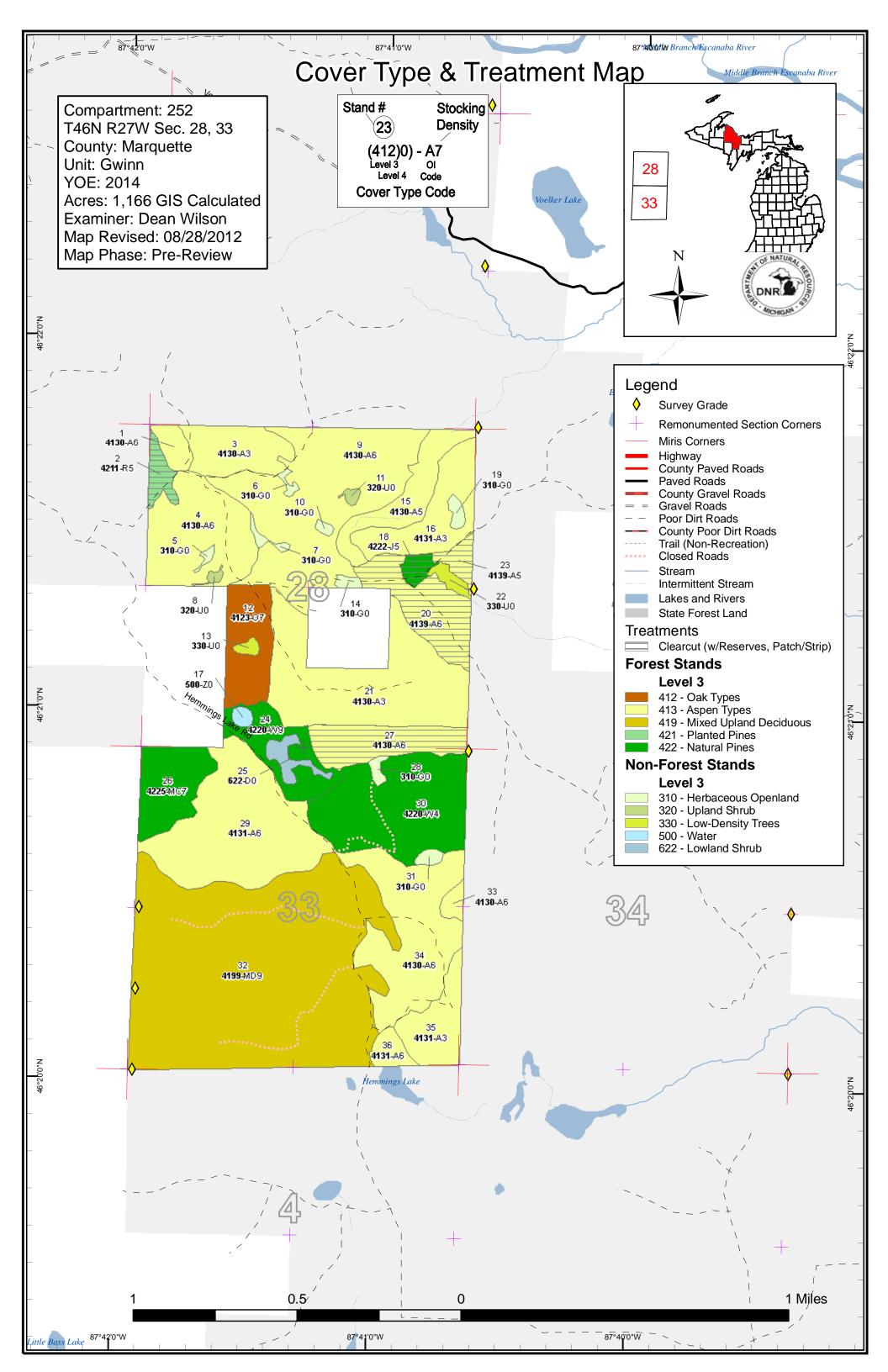
Survey Needs: None at present.

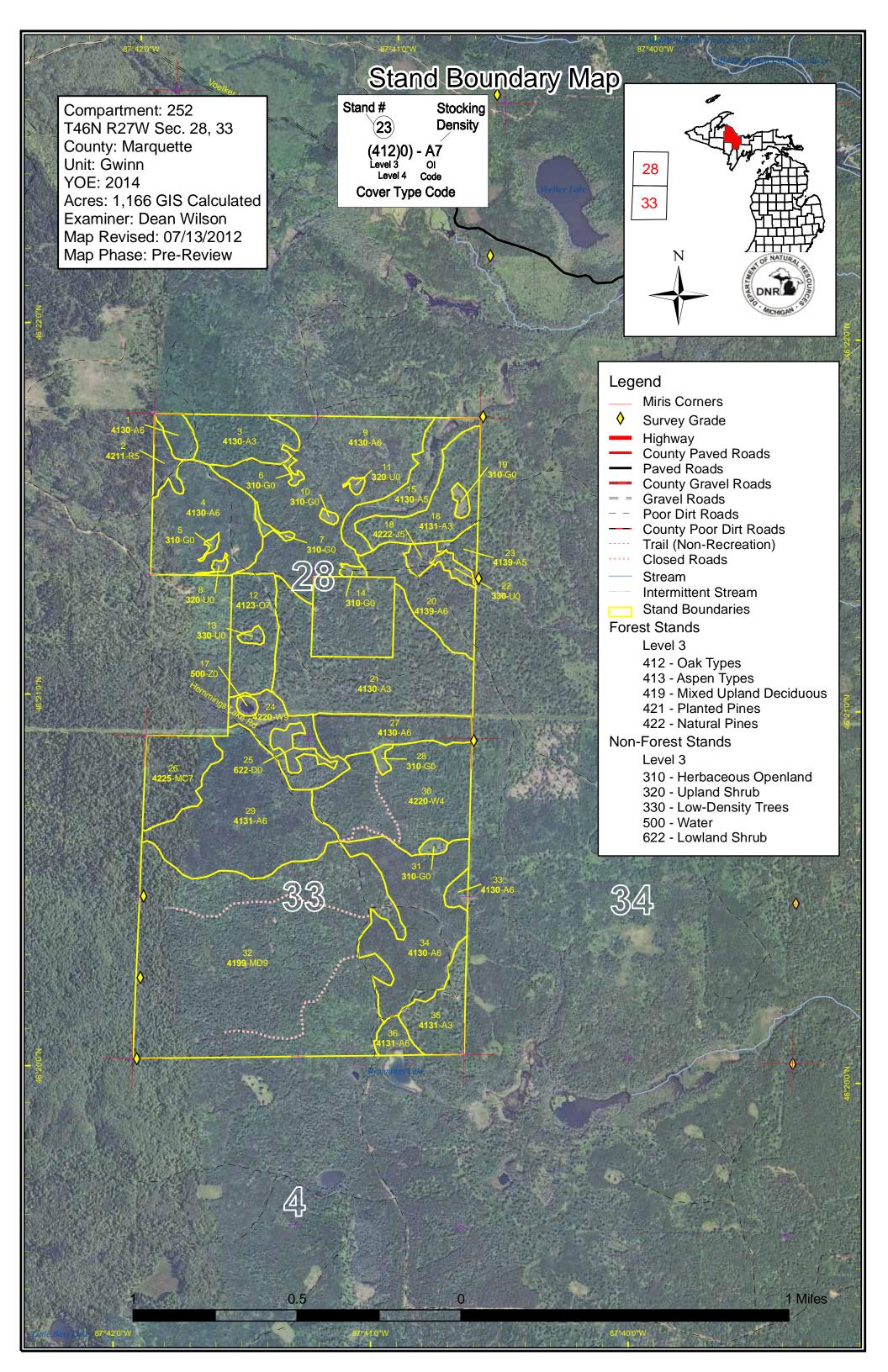
Recreational Facilities and Opportunities: There are no developed recreational facilities in this compartment.

Fire Protection: Moderate fire risk here due to existing soils.

Additional Compartment Information:

- > The following reports from the Inventory are attached:
 - Total Acres by Cover Type and Age Class
 - Proposed Treatment Summary
 - Proposed Treatments No Limiting Factors
 - Proposed Treatments With Limiting Factors
 - Stand Details (Forested and Nonforested)
 - Dedicated and Proposed Special Conservation Areas
- > The following information is displayed, where pertinent, on the attached compartment maps:
 - Base feature information, stand boundaries, cover types, and numbers
 - Proposed treatments
 - Details on the road access system





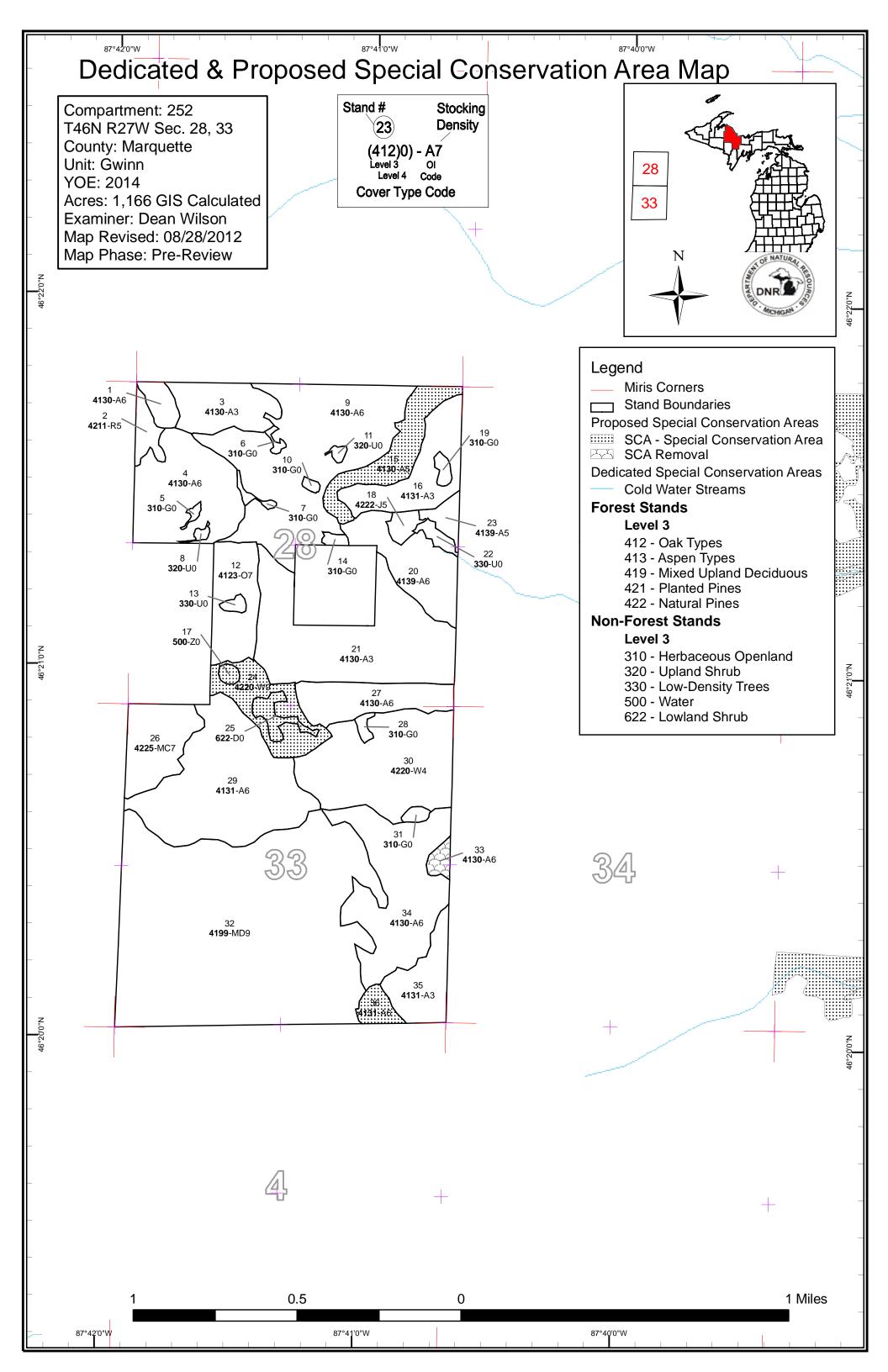


Table 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

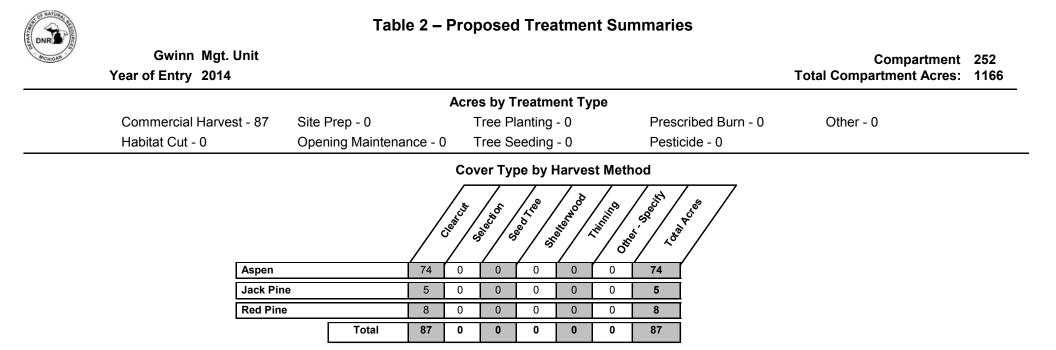
Dean Wilson : Examiner

Compartment 252 Year of Entry 2014



Age	Class
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	/	6.0	10.7g	6 ² ,0	10.00 10.00	02-02-02-02-02-02-02-02-02-02-02-02-02-0	95.75	60.00		69.00	66: ₁₀	001.001	611.01.	120× 1310	oor	le _{vo} ,
Aspen	26	163	178	106	77	0	0	0	106	7	0	0	0	0	662	Í
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1
Jack Pine	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	Ĩ
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	Î
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	289	0	0	0	0	289	1
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	32	0	0	0	0	32	Î
Dak	0	0	0	0	0	0	0	0	0	31	0	0	0	0	31	1
Red Pine	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8	1
Freed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	ĺ
Jpland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	ĺ
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
White Pine	0	0	0	0	0	0	0	0	108	0	0	0	0	0	108	I
Total	56	163	178	106	77	8	0	0	219	359	0	0	0	0	1166	1



S t		Gı	winn Mgt. Unit	Table 3 Treatments Prescribedwith No Limiting Factor				bed	Compartment: 252 Year of Entry 2014	AND NATURE TRADUCT
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	32252002-Cu	t 8.0	42110 - Planted Red Pine	Medium Density Pole	52	81-110	Harvest	Clearcut	42120 - Planted Jack Pine	Cmpt. Review Proposal
Prese Spec	<u>cription</u> Clearc	ut.								
<u>Othe</u> Com	<u>r</u> No ret ments:	ention due to	o small stand size. Ma	y want to m	ark 2 to	3 red pine	per acre to leave	9.		
<u>Next</u> Steps		arvest disk t	trench and direct seed	to jack pine	. Check	regenerati	ion per work instr	ructions.		
<u>Propo</u> <u>Start I</u>		013								
18	32252018-Cu	t 4.9	42221 - Natural Jack Pine, Mixed Deciduous	Medium Density Pole	87	51-80	Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
Preso Spec		ut all specie	es excluding oak and ar	ny red or wh	iite pine	that may o	ccur.			
<u>Othe</u> Com	<u>r</u> Retent ments:	ion of oak, r	red and white pine will a	accomplish	3 to 10 p	percent of b	basal area.			
<u>Next</u> Steps		arvest disk t	trench and direct seed	to jack pine	. Herbic	ide as nec	essary. Check re	egeneration per wo	ork instructions.	
<u>Propo</u> Start I		013								
20	32252020-Cu	t 35.9	4139 - Aspen, Mixed Deciduous	High Density Pole	87	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
Prese Spec		is currently	under contract.							
<u>Othe</u> Com	<u>r</u> ments:									
<u>Next</u> Steps		retention pe	er work instruction.							
<u>Propo</u> <u>Start I</u>		011								
23	32252023-Cu	t 6.6	4139 - Aspen, Mixed Deciduous	Medium Density Pole	87	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
Prese Spec		ut all specie	es excluding oak, red ar	nd white pin	e.					
<u>Othe</u> Com	<u>r</u> May w ments:	ant to mark	a few oak to meet the	3 to 10 perc	ent of ba	asal area re	etention guideline	es.		
<u>Next</u> Steps		regeneratio	n per work instructions							
<u>Propo</u> <u>Start I</u>		013								

Gwinn	Mat	Unit
	mgu	Unit.

Table 3 -- Treatments Prescribedwith No Limiting Factor

Compartment: 252 Year of Entry 2014

t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	32252027-Cut	31.2	4130 - Aspen	High Density Pole	87	81-110	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal

Prescription Clearcut all species excluding oak, red and white pine. Retain two 1\4 acre patches uncut.

Specs:

s

Other Retaining oak, red and white pine will amount to 3 to 10 percent of basal area.

Comments:

Next Check regeneration per work instructions.

<u>Steps:</u>

Proposed Start Date: 10/01/2013

> Total Treatment Acreage Proposed: 86.6

S t a		Gwinr	Mgt. Unit	Table 4		atments imiting	s Prescribed Factor	Compartment: 252 Year of Entry 2014	DR NATURAL	
n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error							
Presc Specs	ription <u>s:</u>									
<u>Other</u> Comn										
<u>Next</u> Steps										
<u>Propos</u> Start D										
	ng Factor and N ment Reason	<u>0</u>								
Ac	Total Treatme creage Propose									

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Out of YOE -- Treatments Prescribed with No Limiting Factor

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Prescription Specs:									
<u>Other</u> <u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
Proposed Start Date: #Error									

Total Treatment Acreage Proposed:

0

S t	Gwin	Gwinn Mgt. Unit		5 – Fo	prested Star	nds Compartment: 252 Year of Entry: 2014
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Pole	7.7	39	1-50	KG bladed in 1973 to regenerate aspen.
2	42110 - Planted Red Pine	Medium Density Pole	8.0	52	81-110	Machine planted to red pine in 1960-failed with an estimated 40 to 50 percent survival. Natural jack pine of various ages mixed in and mostly overmature.
3	4130 - Aspen	High Density Sapling	28.7	16		Harvested in 1996: TS# 7-64. Two storied stand.
4	4130 - Aspen	High Density Pole	59.3	26	1-50	Harvested in 1986: TS# 011-84-2.
9	4130 - Aspen	High Density Pole	118.6	26	1-50	Harvested in 1986: TS# 011-84-01.
12	4123 - Red Oak	Low Density Log	31.3	95	1-50	Harvested in 1997: TS# 14-94. Two storied stand.
15	4130 - Aspen	Medium Density Pole	28.1	87	51-80	SCA = Riparian zone protection.
16	4131 - Aspen, Oak	High Density Sapling	36.1	17		Harvested in 1995: TS# 14-94.
18	42221 - Natural Jack Pine, Mixed Deciduous	Medium Density Pole	4.9	87	51-80	
20	4139 - Aspen, Mixed Deciduous	High Density Pole	35.9	87	81-110	
21	4130 - Aspen	High Density Sapling	97.7	15	1-50	Harvested in 1997: TS# 1147-94-01.
23	4139 - Aspen, Mixed Deciduous	Medium Density Pole	6.6	87	51-80	
24	42200 - Natural White Pine	High Density Log	26.6	87	111-140	SCA = Buffer around a bog.
26	42250 - Pine, Oak	Low Density Log	31.6	96	1-50	Cut in 1997: TS# 16-94. Two storied stand.
27	4130 - Aspen	High Density Pole	31.2	87	81-110	
29	4131 - Aspen, Oak	High Density Pole	98.4	37	81-110	Harvested in 1975.
30	42200 - Natural White Pine	Low Density Pole	81.3	87	1-50	Harvested in 1997: TS# 8-94. Two storied stand.
32	4199 - Other Mixed Upland Deciduous	High Density Log	289.2	95	51-80	Selectively cut in 2008: TS# 115-04-01 and in 1997: TS# 12/76A

S t	Gwir	ın Mgt. Unit		5 – Fo	prested Stands	S Compartment: 252 Year of Entry: 2014
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4130 - Aspen	High Density Pole	4.1	87	51-80	SCA = Buffer to kettle hole.
34	4130 - Aspen	High Density Pole	77.0	44	81-110	Treated in 1968.
35	4131 - Aspen, Oak	High Density Sapling	25.5	7	1-50	Harvested in 205: TS# 116-04-01. Oak and pine retained.
36	4131 - Aspen, Oak	High Density Pole	7.3	96	111-140	SCA = Buffer around Hemmings Lake.

Gwinn Mgt. Unit

6 – Nonforested Stands

Compartment: 252 Year of Entry: 2014



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:	HIGAN
5	3105 - Mixed Upland Herbaceous	1.0	Yes	Low (NonForested)		
6	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified		
7	3105 - Mixed Upland Herbaceous	1.9	No	Unspecified		
8	3201 - Sweet Fern	1.1	Yes	Low (NonForested)		
10	310 - Herbaceous Openland	1.1	No	Unspecified		
11	3201 - Sweet Fern	1.3	Yes	Low (NonForested)		
13	330 - Low-Density Trees	1.9	No	Unspecified		
14	3105 - Mixed Upland Herbaceous	1.7	No	Unspecified		
17	50 - Water	2.1	No	Unspecified		
19	3105 - Mixed Upland Herbaceous	2.5	Yes	Low (NonForested)		
22	330 - Low-Density Trees	3.8	No	Unspecified		
25	6224 - Treed Bog	6.7	No	Unspecified		
28	3105 - Mixed Upland Herbaceous	2.0	Yes	Low (NonForested)		
31	3103 - Rubus-Fern	2.2	Yes	Low (NonForested)		



7 – 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.

Stand	SCA Туре	SCA Name	Acres	Comments
15	Unique Site - SCA	32252015	28.1	SCA = Riparian zone protection.
24	Unique Site - SCA	32252024	26.6	SCA = Surrounds a bog complex providing unique habitat.
33	SCA Removal	32252033	4.1	SCA Removal - does not meet POG criteria.
36	Unique Site - SCA	32252036	7.3	SCA = Riparian zone protection around Hemmings Lake.
17	Unique Site - SCA	NF_32252017	2.1	SCA = Part of a bog complex and includes a small bog lake,
25	Unique Site - SCA	NF_32252025	6.7	SCA = Part of a treed bog complex.



8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen co stocked trout populations and those of other coldwater fish sp year to year. Coldwater streams in Michigan typically provide contributions of groundwater to their stream flows. Such strea designated as trout resources by Fisheries Order 210.	becies (e.g., slimy sculpin) to persist from these conditions due to substantial