

# **Compartment Review Presentation**

**Gwinn Forest Management Unit** 

Compartment 32290 Entry Year: 2027 Acreage: 1,035

Management Area: Menominee-Marguette

**County: Marquette** 

Stand Examiner: John Hamel

**Legal Description:** 

T47N-R23W, sections 25, 36. T47N-R22W, section 30.

## **Identified Planning Goals:**

Habitat/vegetation and mixed use.

## Soil and topography:

Glacial drainage ways, till plains, and ground moraines form 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:

Mostly private ownerships. To the east are larger corporate land holdings. Land use is primarily for forest production and passive recreation.

## **Unique Natural Features:**

The area is composed primarily of vernal forest. The headwaters to the East Branch of the Sand River and other waterways occur in this compartment.

## Archeological, Historical, and Cultural Features:

Remnants of old logging camps are common in this landscape.

#### **Special Management Designations or Considerations:**

Management operations will largely be limited to winter to protect the soils and prevent site damage.

#### Watershed and Fisheries Considerations:

Fisheries Concerns: This compartment contains reaches of the Sand River which is a designated trout stream above County Road 480. The Sand River contains native Brook Trout and receives a run of Steelhead in the spring. Stand 15 is proposed for single tree selection around the Sand River tributary. These small tributaries can serve as vital nursery habitat for juvenile Brook Trout and Steelhead. A 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with BMP's. The southern portion of this compartment is limited due to wetland areas, but if work is ever decided to be completed here, the designated trout stream buffer should be adhered to.

#### Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. 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; mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris; and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Goldenwinged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

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

No known potential exists for commercial oil & gas production in this part of the state. The closest known active

sand/gravel operation is less than two miles east. Potential for development of sand & gravel within the compartment appears to be limited. No past metallic mineral mining has occurred in this area, and there has been no known ground-based exploration. Potential for metallic and/or critical minerals beneath the compartment is relatively unknown but is considered low at this time. There is no current mineral leasing activity involving State-owned mineral rights in the area.

#### **Vehicle Access:**

Access good to the compartment but is somewhat limited internally.

## **Survey Needs:**

No survey needs are foreseen.

# **Recreational Facilities and Opportunities:**

There is no developed recreation in this compartment. The heaviest public use is for hunting and trapping.

#### **Fire Protection:**

Fire occurrence is low in this area due to the wet nature of the landscape.

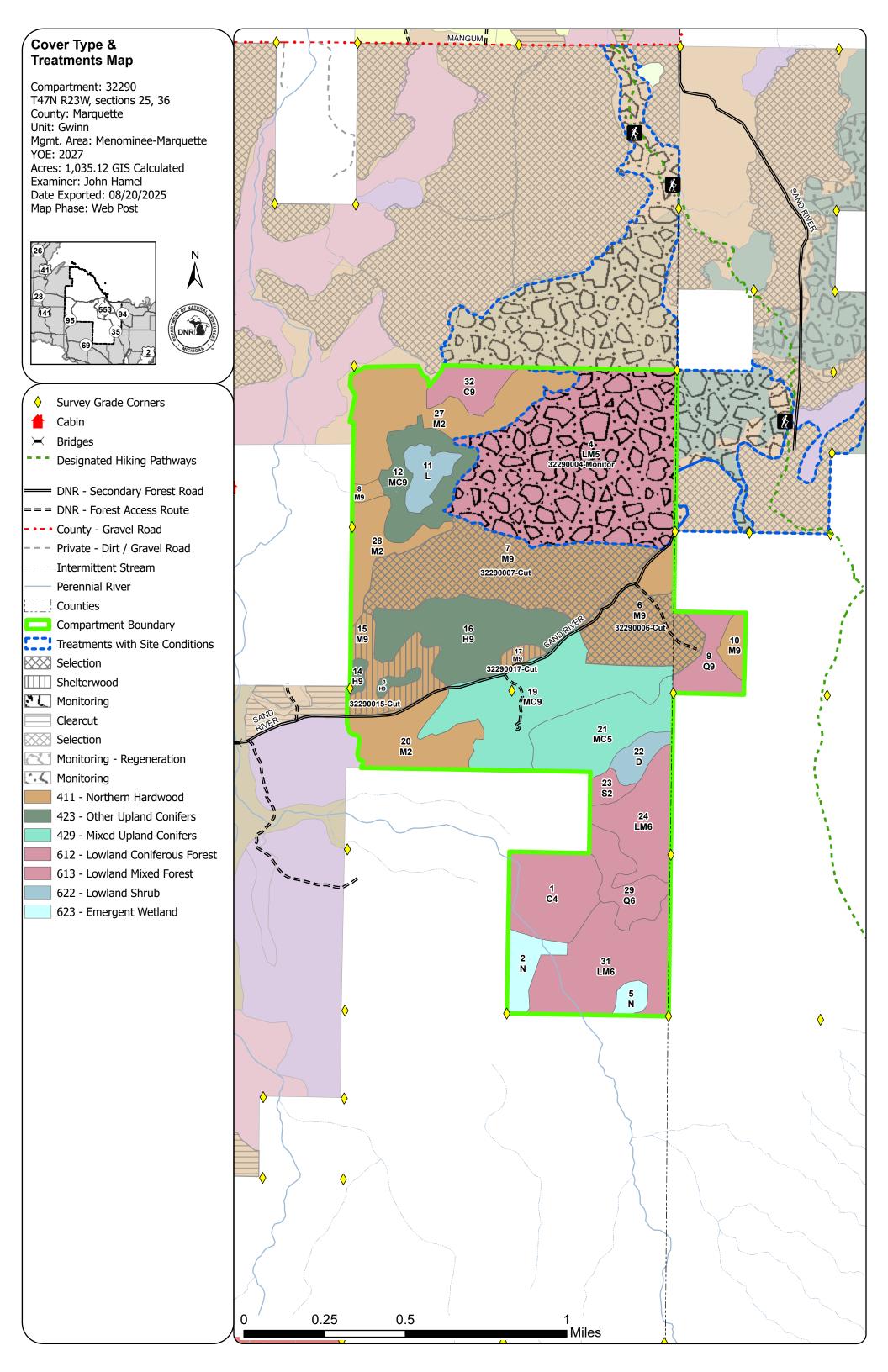
### **Additional Compartment Information:**

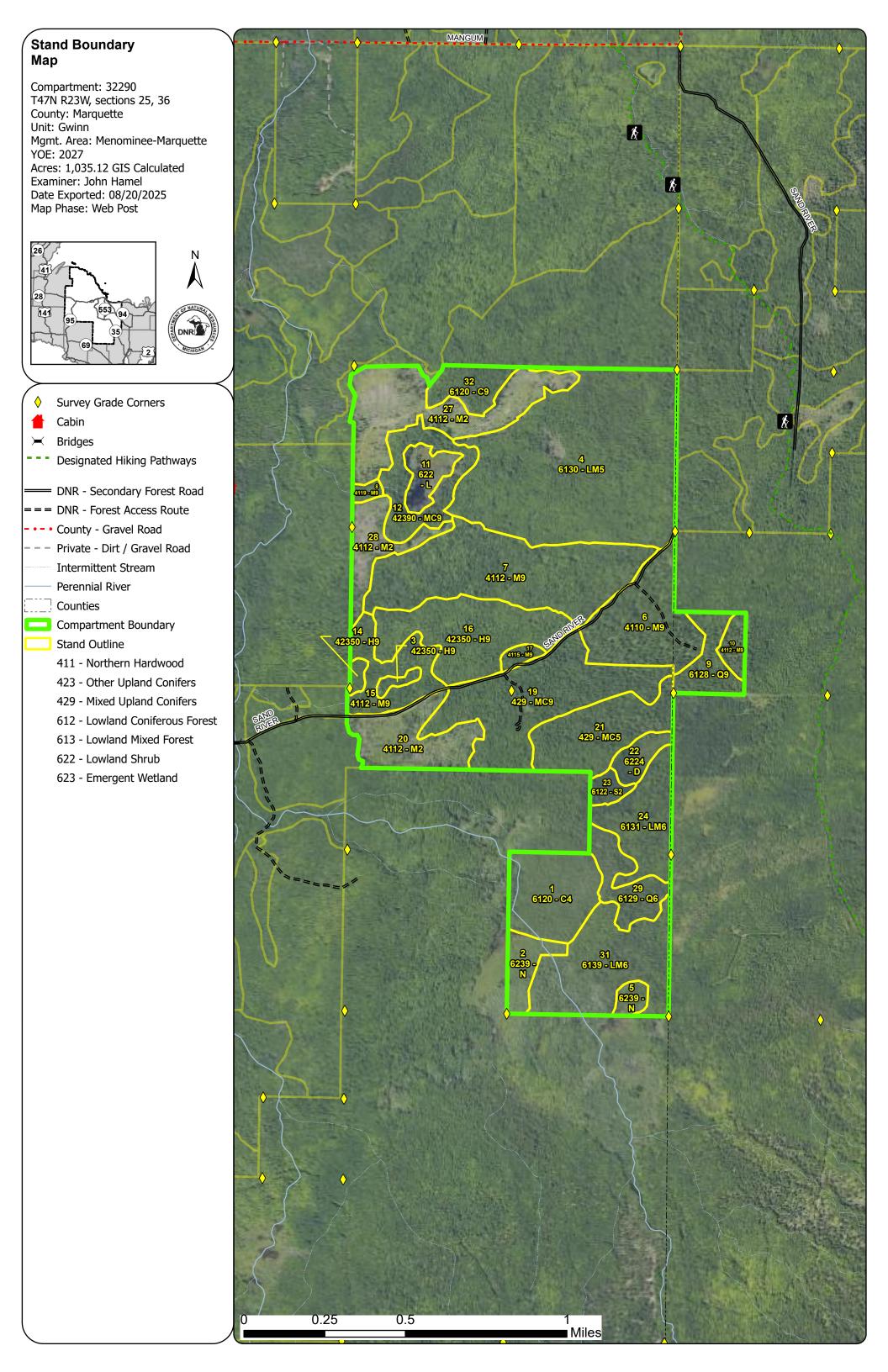
The following reports from the Inventory are attached:

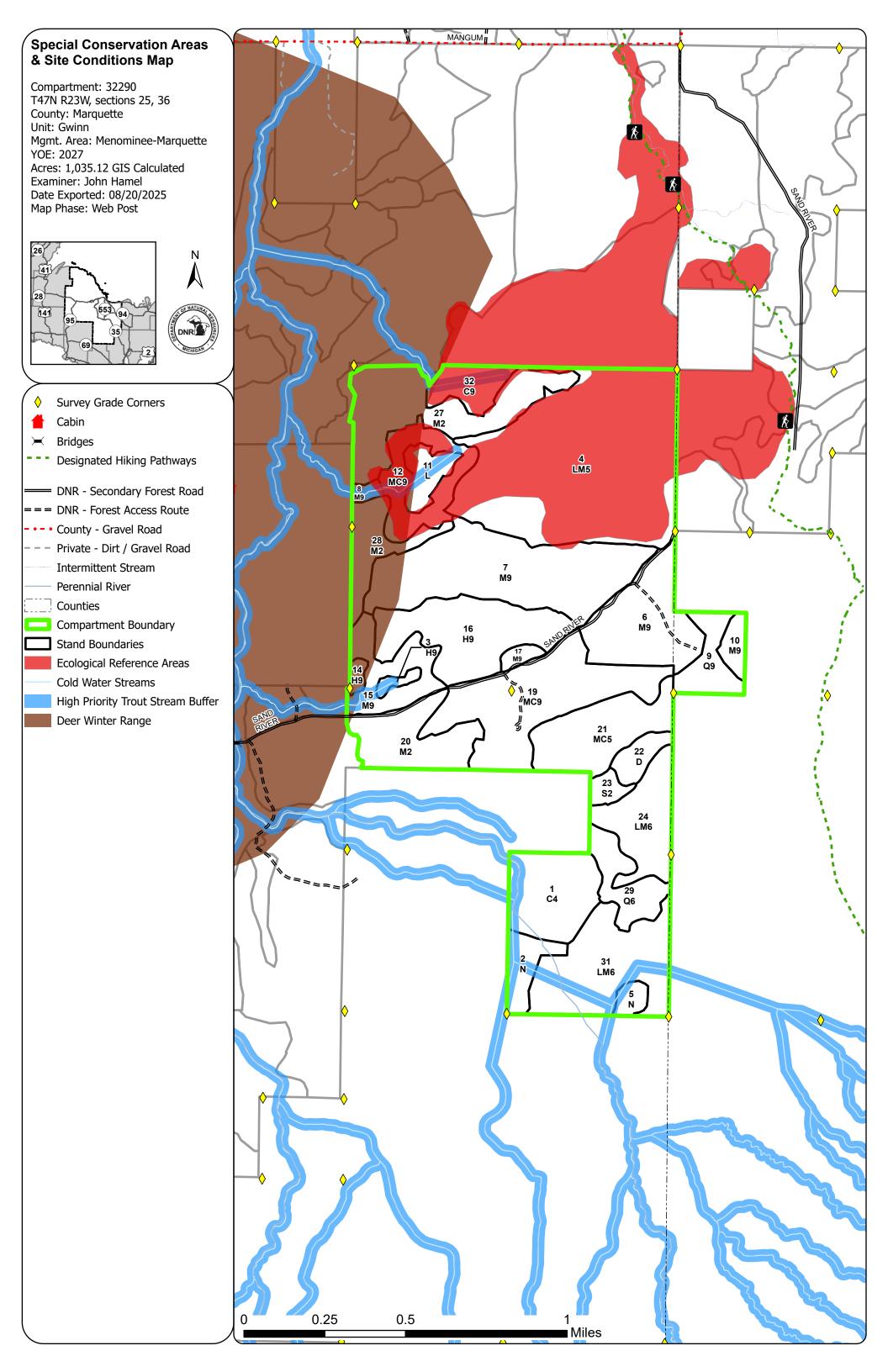
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Compartment 290 Year of Entry 2027

John Hamel: Examiner

Gwinn Mgt. Unit



## Age Class

	zg.	Kor C	/ 3 <sup>3</sup> / <sub>2</sub>	Si &		\$ \$		/ } /&					72,				,	St July	1.00°
Cedar	0	0	0	0	0	0	0	0	0	44	0	0	0	0	18	0	0	0	62
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	71
Lowland Conifers	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	20	44
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	302	0	0	0	0	0	0	0	0	302
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Spruce/Fir	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	338
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	86	32	165
Total	46	130	0	0	0	0	6	0	0	370	0	0	47	0	18	0	86	331	1034



# **Report 2 – Treatment Summary**

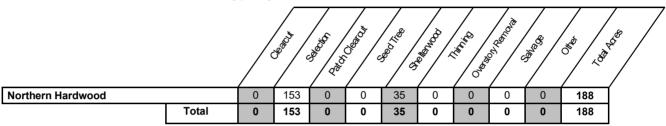
Gwinn Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

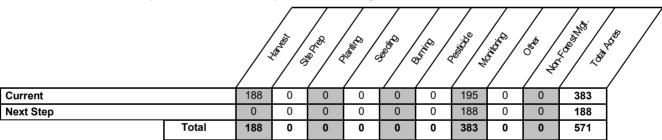
Compartment 290
Total Compartment Acres: 1,035

Commercial Harvest - 374
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

## **Cover Type by Harvest Method**



## **Proposed and Next Step Treatments by Method**



s t		Gwin	n Mgt. Unit		Repor	13 <sup>-</sup>	Treatments		Compartmen Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
pose	ed Treatmer	nts:									
4	32290004- Monitor	195.0	6130 - Fir, Aspen, Maple	5	85	141- 170	Monitoring	Monitoring	6128 - Lowland Coniferous, Mixed Deciduous	Planting Record	No
Pres Spec		r for invasi	ve species, particula	rly those th	nat will de	egrade EF	RA quality.				
Next	t Step										
Trea	atments:										
Acce Reg	<u>eptable</u> <u>en:</u>										
Othe Com	e <u>r</u> nment:										
Site	Condition: Co	nservation	Values								
Prop	oosed Start Date	<u>:</u> 10/01/2	026								
6	32290006-Cut	45.8	4110 - Sugar Maple Association	9	120	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spec	<u>scription</u> Creat <u>cs:</u> trees.	e large can Retain all l	nopy gaps (75 feet) w hemlock, cedar and	here appr healthy b	opriate to	o release er 20" dbh	advanced regene	eration and mainta	ain stand diversity. I	_eave obvioι	us wildlife
	t Step Monito	ring, Natur	ral Regen (Re-Invent	ory)							
Acce Reg	<u>eptable</u> Northe <u>en:</u>	rn Hardwo	od Species								
Othe Com	e <u>r</u> nment:										
Site	Condition:										
Prop	oosed Start Date	<u>:</u> 10/01/2	026								
7	32290007-Cut	107.2	4112 - Maple, Beech, Cherry Association	9	110	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 80-90. Create large canopy gaps (75) Specs: feet) where appropriate to release advanced regeneration and maintain stand diversity. Leave obvious wildlife t

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> Northern Hardwood species <u>Regen:</u>

<u>Other</u> the north boundary of this treatment is the Sand River ERA Complex.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Gwinn Mgt. Unit	Report 3 Treatments

Compartment: 32290

S t			<b>3</b>		Торог	. •	. routino ito		Year of Entry		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
15	32290015-Cut	30.4	4112 - Maple, Beech, Cherry Association	9	100	111- 140	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
Pres Spec		wood harve k, cedar ar		50 BA reser	ving high	n quality c	rop trees. favor	High Quality Maple.	Leave obvious v	vildlife trees.	Retain all
Next Treat	Step Monitor ments:	ring, Natura	al Regen (Re-Invent	tory)							
Acce Rege	<del></del>	rn Hardwoo	ods								
Othe Com	<u>r</u> ment:										
Site (	Condition:										
Prop	osed Start Date:	10/01/20	026								
17	32290017-Cut	4.4	4115 - Y.Birch, Hemlock NH	9	100	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
Pres Spec		wood harve k, cedar ar		50 BA reser	ving high	n quality c	rop trees. favor	High Quality Maple.	Leave obvious v	vildlife trees.	Retain all
	Step Monitor ments:	ring, Natura	al Regen (Re-Invent	tory)							
Acce Rege		rn Hardwoo	od								
Othe Com	<u>r</u> ment:										
Site (	Condition:										
Prop	osed Start Date:	10/01/20	026								

Total Treatment Acreage Proposed: 382.8

# Report 4 - Site Conditions

Gwinn Mgt. Unit

John Hamel: Examiner





Availa	ability for	Managemen	nt								
Total	Acres	Acres Avail	Acres	]	Domina	nt Site	e Cond	ditions	S		
Acres	Available	With Condition	Not Available		2B	5B	5C	2G	3A	3J	5A
62	0	0	62	Cedar				44	18		
71	0	0	71	Hemlock							71
44	24	0	20	Lowland Conifers						20	
302	39	68	195	Lowland Mixed Forest	68				195		
14	14	0	0	Lowland Shrub							
6	6	0	0	Lowland Spruce/Fir							
21	21	0	0	Marsh							
339	335	0	3	Northern Hardwood						3	
11	11	0	0	Treed Bog							
165	0	133	32	Upland Conifers		86	47		32		
1,035	450	201	384	Total Forested Acres	68	86	47	44	245	23	71
	43%	19%	37%	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.

soils, does not include access issues)  Comments:	Site No.		Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2 Available 5B: Maintain for 86 5F: Evaluated for Forest Unspecified Unspecified Unspecified Unspecified Unspecified regeneration purposes Health Considerations	1	Unavailable	soils, does not include	44	•	Unspecified	Unspecified	Unspecified
regeneration purposes Health Considerations		Comments:						
Comments:	2	Available		86	*	Unspecified	Unspecified	Unspecified
	(	Comments:						

# **Report 4 – Site Conditions**

Gwinn Mgt. Unit
John Hamel: Examiner



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3A: Conservation values incompatible with harvest at this time	245	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Mesic northern for	est and hardwood-conifer swam	p ERAs				
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	68	2I: Survey needed	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 150 feet buffer on	this stream requested by fisheri	es				
8	Unavailable	5A: Not able to obtain desirable regeneration	71	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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				



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age I	BA Range	Managed Sit	te	General Comments
1	6120 - Lov	wland Ceda	r	Poletimber Poor	44.4	88	1-50	N/A		Latticed with drains that are the Headwaters to the East branch of the sand river. most areas are unproductive.
2	6239 - Mixed E	mergent W	etland	None	15.5			No		
3	42350 - Upl	and Hemlo	ck	Sawtimber Well	3.3	160	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBH Age						
	Hemlock	70		14 160						
	Red Maple	10		8						
	Balsam Fir	10		10						
	White Pine	10		12						
4	6130 - Fir, A	Aspen, Map	ole P	oletimber Medium	195.0	85	141-170	N/A		Trace amounts of cedar, yellow birch, white pine
	Canopy Species	% Cover	Size Class	DBH Age						
	Hemlock	20		12						
	Balsam Fir	30	Seedling	8						
	Red Maple	50		8 85						
5	6239 - Mixed E	mergent W	etland	None	5.9			No		
5 6	6239 - Mixed Er 4110 - Sugar M			None Sawtimber Well	5.9 55.1	120	81-110	No N/A		Harvested in 2001. TS#15-97-01. cut in winter 2020-2021 Al-Mar
6		1aple Assoc			55.1	120			Size	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear.
6	4110 - Sugar M	1aple Assoc	ciation	Sawtimber Well	55.1 <b>Sub-Ca</b>			N/A	Size 10 - 20 feet	
6	4110 - Sugar M	1aple Assoc	ciation	Sawtimber Well  DBH Age	55.1 <b>Sub-Ca</b>	nopy Species	Density	N/A Avg. Height		Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear.
6	4110 - Sugar M Canopy Species Sugar Maple	% Cover	ciation Size Class	Sawtimber Well  DBH Age 12 120	55.1 <b>Sub-Ca</b>	nopy Species	Density	N/A Avg. Height		Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple	Maple Associated Assoc	ciation Size Class	Sawtimber Well  DBH Age 12 120 12 120	55.1 <b>Sub-Ca</b> Sug	nopy Species ar Maple	Density High	N/A  Avg. Height  10 - 20 feet		Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec	Maple Associated Assoc	siation Size Class	Sawtimber Well  DBH Age 12 120 12 Sawtimber Well	55.1  Sub-Ca  Sug  107.2  Sub-Ca	nopy Species ar Maple	Density High	N/A  Avg. Height  10 - 20 feet  N/A	10 - 20 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species	Maple Associated Assoc	siation Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug	nopy Species ar Maple  110  nopy Species	Density High  111-140  Density	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height	10 - 20 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species Beech	Maple Associated Services (Maple Associated Services (Maple Associated Services (Maple Associated A	siation Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re	nopy Species ar Maple  110  nopy Species ar Maple	Density High  111-140  Density Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet	10 - 20 feet  Size < 5 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species Beech Black Cherry	Maple Associated Services Associated Services Associated Associate	siation Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 14	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re	nopy Species ar Maple  110 nopy Species ar Maple d Maple	Density High  111-140 Density Medium Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet	10 - 20 feet  Size  < 5 feet  5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beecc Canopy Species Beech Black Cherry Sugar Maple	Maple Associated Services (Maple Associated Services (Maple Associated Services (Maple Associated Services (Maple Associated Associated Services (Maple Associated As	Size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 14 12 110	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re	nopy Species ar Maple  110 nopy Species ar Maple d Maple	Density High  111-140 Density Medium Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet	10 - 20 feet  Size  < 5 feet  5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species Beech Black Cherry Sugar Maple Red Maple	Maple Associated	Size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 12 110 12	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re  1	nopy Species ar Maple  110 nopy Species ar Maple d Maple Beech	Density High  111-140 Density Medium Medium Low	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet  5 - 10 feet	10 - 20 feet  Size  < 5 feet  5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.  Harvested in 2013: TS#102-07-01.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beech Canopy Species Beech Black Cherry Sugar Maple Red Maple 4119 - Mixed No	Maple Associated	size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 12 110 12  Sawtimber Well	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re  3.2  Sub-Ca	nopy Species ar Maple  110 nopy Species ar Maple d Maple Beech	Density High  111-140 Density Medium Medium Low	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet  5 - 10 feet  N/A	Size < 5 feet 5 - 10 feet 5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.  Harvested in 2013: TS#102-07-01.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beech Black Cherry Sugar Maple Red Maple 4119 - Mixed No	Maple Associated Services (Maple Associated Services (Maple Associated Associ	size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 12 110 12  Sawtimber Well  DBH Age	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re  3.2  Sub-Ca	nopy Species ar Maple  110 nopy Species ar Maple d Maple Beech  120 nopy Species	Density High  111-140 Density Medium Medium Low  141-170 Density	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet  5 - 10 feet  N/A  Avg. Height	Size < 5 feet 5 - 10 feet 5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.  Harvested in 2013: TS#102-07-01.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species Beech Black Cherry Sugar Maple Red Maple 4119 - Mixed No Canopy Species Red Maple	% Cover 80 20 ch, Cherry A 60 30 crthern Hard 20 ch	size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 12 110 12  Sawtimber Well  DBH Age 14 12 110 12  Sawtimber Well  DBH Age 16 8	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re  3.2  Sub-Ca	nopy Species ar Maple  110 nopy Species ar Maple d Maple Beech  120 nopy Species	Density High  111-140 Density Medium Medium Low  141-170 Density	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet  5 - 10 feet  N/A  Avg. Height	Size < 5 feet 5 - 10 feet 5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.  Harvested in 2013: TS#102-07-01.
7	4110 - Sugar M Canopy Species Sugar Maple Red Maple 4112 - Maple, Beec Canopy Species Beech Black Cherry Sugar Maple Red Maple 4119 - Mixed No Canopy Species Red Maple Hemlock	Maple Associated Assoc	size Class association Size Class	Sawtimber Well  DBH Age 12 120 12  Sawtimber Well  DBH Age 14 14 12 110 12  Sawtimber Well  DBH Age 14 12 110 12  Sawtimber Well  DBH Age 12 16	55.1  Sub-Ca  Sug  107.2  Sub-Ca  Sug  Re  3.2  Sub-Ca	nopy Species ar Maple  110 nopy Species ar Maple d Maple Beech  120 nopy Species	Density High  111-140 Density Medium Medium Low  141-170 Density	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  < 5 feet  5 - 10 feet  5 - 10 feet  N/A  Avg. Height	Size < 5 feet 5 - 10 feet 5 - 10 feet	Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.  Harvested in 2013: TS#102-07-01.



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
9	6128 - Lowland Dec	Coniferous iduous	, Mixed	Sawtimb	er Well	19.5	110	81-110	N/A	\	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Hemlock	70		12	110		emlock	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Seedling	6		Ва	ılsam Fir	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	20	Seedling	6							1
10	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	7.9	120	81-110	N/A	`	cut in winter 2020-2021 Al-Mar Hrdwd 32-101-17. Drayton logging cut the sale for JM Longyear.
	Canopy Species	% Cover	Size Class	DBH	Age						the sale for the Longyear.
	Red Maple	40		10							
	Sugar Maple	40		10	120						
	Beech	15		16							
	Hemlock	5		14							
11	622 - Lov	vland Shrub	)	Nor	ne	13.9			No		Old beaver meadow. With lack of beaver activity, some areas have regenerated to spruce, cedar, white pine and other scrubs.
12	42390 - Mixed Non-	-Pine Uplar	nd Conifers	Sawtimb	er Well	32.4	160	141-170	N/A	\	
	Canopy Species	% Cover	Size Class	DBH	Age						
	White Pine	30		14							
	Hemlock	40		16	160						
No	rthern White Cedar	30		12							
14	42350 - Up	land Hemlo	ock	Sawtimb	er Well	3.2	160	141-170	N/A	<b>\</b>	
	Canopy Species	% Cover	Size Class	DBH	Age						
	Balsam Fir	15		10							
	Hemlock	70		14	160						
	Red Maple	15	Seedling	8							
15	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	30.4	100	111-140	N/A		Harvested in 2013: TS# 102-07-01.
	Canopy Species	% Cover	Size Class		Age		nopy Species		Avg. Height	Size	
	Hemlock	7		12			alsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Sapling	6		Re	ed Maple	Medium	< 5 feet	< 5 feet	
	White Pine	8		10							
	Red Maple	50		10	100						
	Sugar Maple	30		10	100						
16	42350 - Up	land Hemlo	ock	Sawtimb	er Well	64.7	160	141-170	N/A	\	Pockets of Maple and balsam, amongst dense groves of hemlock.  Large pockets of dense hemlock saplings included.
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	Large pookers or derise hermook sapilitys irioluded.
	Balsam Fir	10		10		Н	emlock	High	5 - 10 feet	5 - 10 feet	
	Hemlock	70		14	160						
	Red Maple	10		8							
	White Pine	10		12							



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age	BA Range	Managed Si	ite	General Comments
17	4115 - Y.Biro	h, Hemlock	NH	Sawtimber Well	4.4	100	81-110	N/A		Harvested in 2013: TS# 102-07-01.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	40		12 100						
	Sugar Maple	30		12						
	Balsam Fir	10	Seedling	6						
	Hemlock	20		14						
19	429 - Mixed l	Jpland Coni	fers	Sawtimber Well	85.9	160	51-80	N/A		Harvested in 2000: TS#15-97-01. Heavier Hemlock to the north of stan
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	20	Seedling	8	Н	lemlock	Medium	10 - 20 feet	10 - 20 feet	
	Red Maple	20	Seedling	5 25	W	hite Pine	Medium	10 - 20 feet	10 - 20 feet	
	Hemlock	35		14 160	Re	ed Maple	High	10 - 20 feet	10 - 20 feet	
	White Pine	25		12						<u>-</u>
20	4112 - Maple, Beec Canopy Species Sugar Maple		Size Class	Sapling Medium  B DBH Age  1 5	40.1	5	Immature	N/A		Harvested in winter 2020-2021 Al-Mar Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear.
	Red Maple	40	Log	1 5						
21	429 - Mixed l	Jpland Con		Poletimber Mediun	n 47.0	110	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH Age						
	White Pine	25		14 110						
	Red Maple	20	Seedling	8						
	White Spruce	10	Seedling	6						
	Balsam Fir	10	Seedling	8						
	Black Ash	10		10						
	Hemlock	25		14						
22	6224 - <sup>-</sup>	Treed Bog		None	10.7			No		Some seedling to sapling size spruce present, but due to poor site productivity will not become merchantable.
23	6122 - Bl	ack Spruce		Sapling Medium	6.3	50	1-50	N/A		Some spruce and Tamarack trees are pole size but less than 10 BA
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	60	Pole	4 50	Bla	ck Spruce	Medium	5 - 10 feet	5 - 10 feet	
		00					1			



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Site	General Comments	MICHIGAN .
24	6131 - Hemlock, W	hite Pine, M	laple, Birch	Poletimb	er Well	38.6	80	81-110	N/A		
	Canopy Species	% Cover	Size Class	s DBH	l Age						
	Red Maple	40	Seedling	8	80						
	Yellow Birch	10	Seedling	j 8							
	White Spruce	10		10							
	Hemlock	10		12							
No	orthern White Cedar	10	Seedling	j 8							
	Black Spruce	20	Seedling	8							
27	4112 - Maple, Beed	ch, Cherry A	Association	Sapling N	Medium	66.2	5	Immature	N/A	Large remnant maples in stand. Goshawks nest in vicinity.	
	Canopy Species	% Cover	Size Class	s DBH	l Age						
	Red Maple	40	Log	1	5						
	Sugar Maple	60	Log	1	5						
28	4112 - Maple, Beed	ch, Cherry A	Association	Sapling N	Medium	24.1	5	Immature	N/A	Large remnant maples in stand. Goshawks nest in vicinity.	
	Canopy Species	% Cover	Size Class	s DBH	l Age						
	Red Maple	40	Log	1	5						
	Sugar Maple	60	Log	1	5						
29	6129 - Mixed Conif	erous Lowl	and Forest	Poletimb	er Well	24.0	80	51-80	N/A		
31	6139 - Mixed	Lowland F	orest	Poletimb	er Well	68.4	80	51-80	N/A		
32	6120 - Lo	wland Ceda	ar	Sawtimb		17.9	130	111-140	N/A	Contains seeps that drain to the north	
	Canopy Species	% Cover	Size Class		l Age						
No	orthern White Cedar	80		12	130						
	White Pine	10		12							
	White Spruce	10		12							