

Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32270 Entry Year: 2027 Acreage: 1,212

County: Marquette

Management Area: Ralph Moraine

Stand Examiner: Rick Hill

Legal Description:

T45N-R28W. Sections 35 & 36.

Identified Planning Goals:

Manage lands for multiple uses. Manage forest for per the forest plan to balance age classes and provide for an even flow of forest products and diverse wildlife habitat.

Soil and topography:

Glacial moraines form topography that is nearly level to moderately steep. Soils are predominately well drained loams to sandy loams.

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

This compartment is part of a large block of state ownership. Private ownership exists to the north and west of this compartment however. Land use consists of timber harvesting, fishing, mushroom & berry picking, snowmobiling, and trapping.

Unique Natural Features:

A large portion of this compartment consists of northern hardwoods and is part of a larger hardwood complex within this area

Archeological, Historical, and Cultural Features:

None found during this inventory cycle.

Special Management Designations or Considerations:

None in this compartment.

Watershed and Fisheries Considerations:

This compartment contains Camp Eleven Creek which serves as a tributary to Big Brook. Camp Eleven Creek is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July water temperature of 62.2 °F (cold stream). A 300-ft buffer is recommended for Camp Eleven Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Ralph Moraine 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 Ralph Moraine Management Area: American Woodcock, Blackburnian Warbler, Golden-winged Warbler, Wood Thrush, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear. For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till and minor coarse-textured till. The glacial drift thickness varies between 10 and 100 feet. Archean granite/gneiss subcrops below the glacial drift. This rock could be used as dimension stone. There are no gravel pits in the area, but there may be some potential. The compartment is relatively far from the

historical iron mining districts. There were previous metallic mineral leases in this area. There is no economic oil and gas production in the UP.

Vehicle Access:

The Tower Road is a two track that cuts through the center of the compartment and then heads south. Small two tracks head off of the Tower Road and provide access to different portions of the compartment.

Survey Needs:

Any needed survey work will be requested in conjunction with timber sales in the compartment.

Recreational Facilities and Opportunities:

A hunter walking trail once existed within this compartment and historically been maintained by wildlife staff. Recreational opportunities consist of hunting, fishing, mushroom & berry picking, snowmobiling, and trapping.

Fire Protection:

Fire occurrence is low within this compartment due to the amount of northern hardwood cover type.

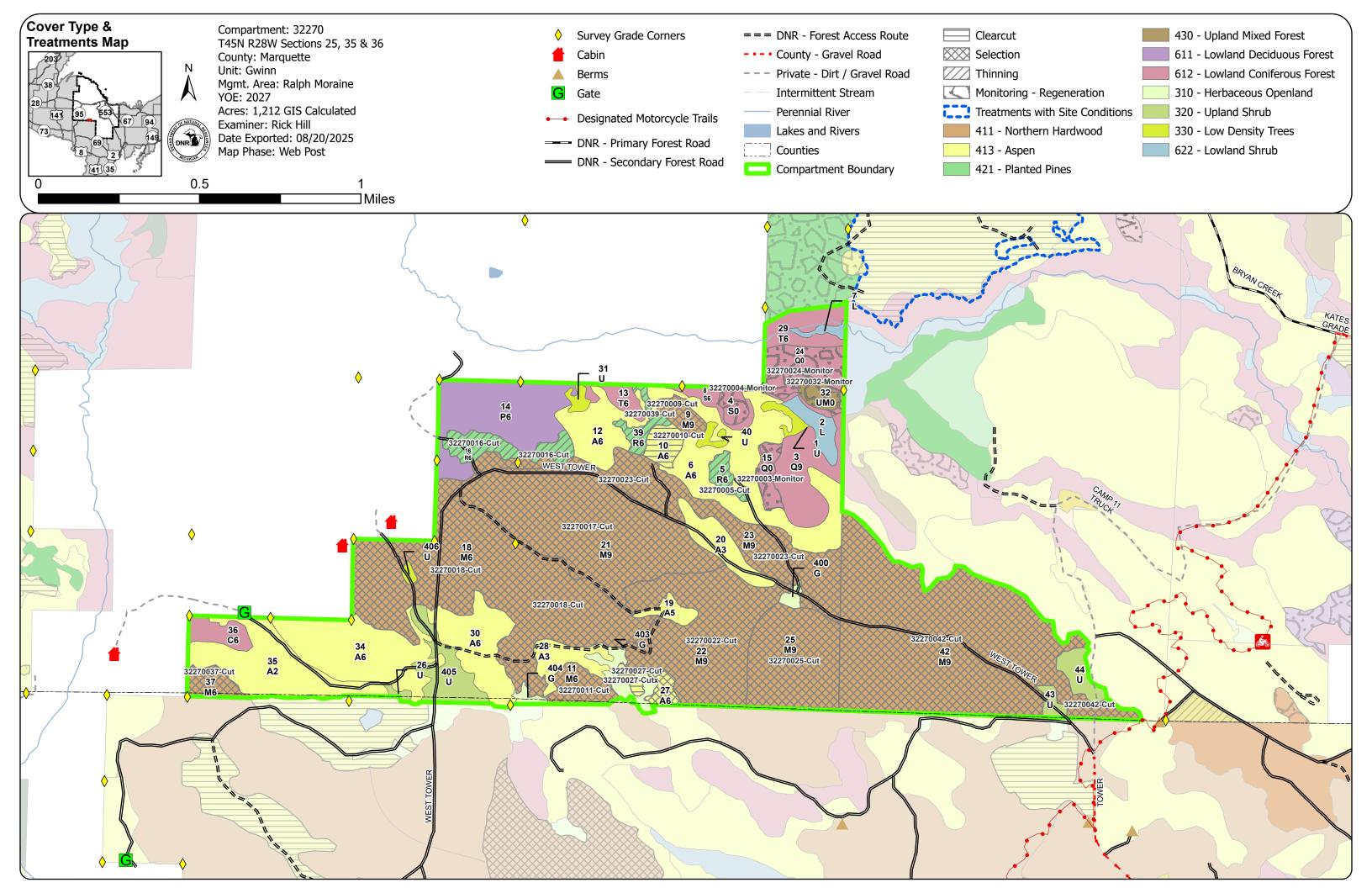
Additional Compartment Information:

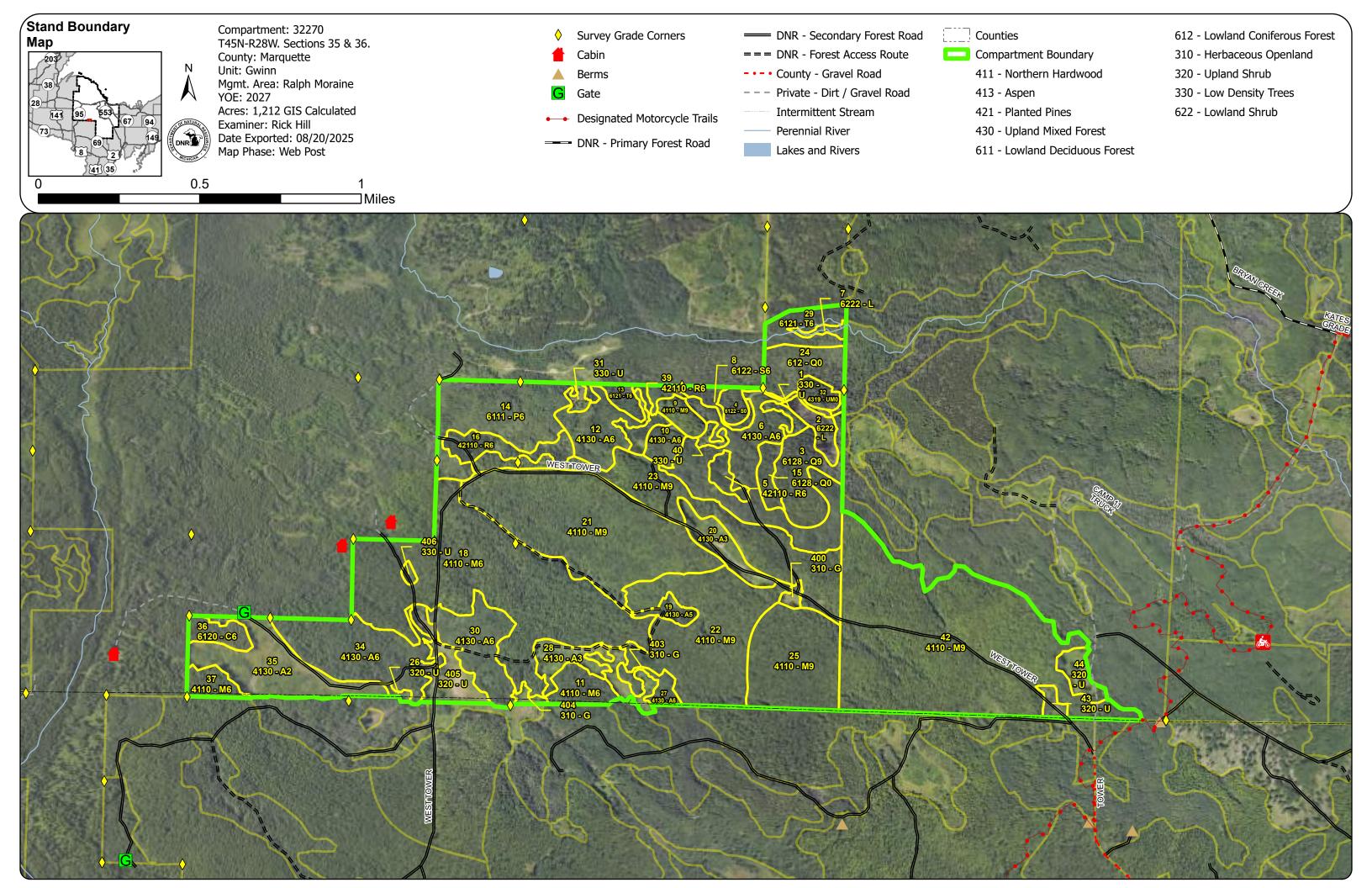
The following reports from the Inventory are attached:

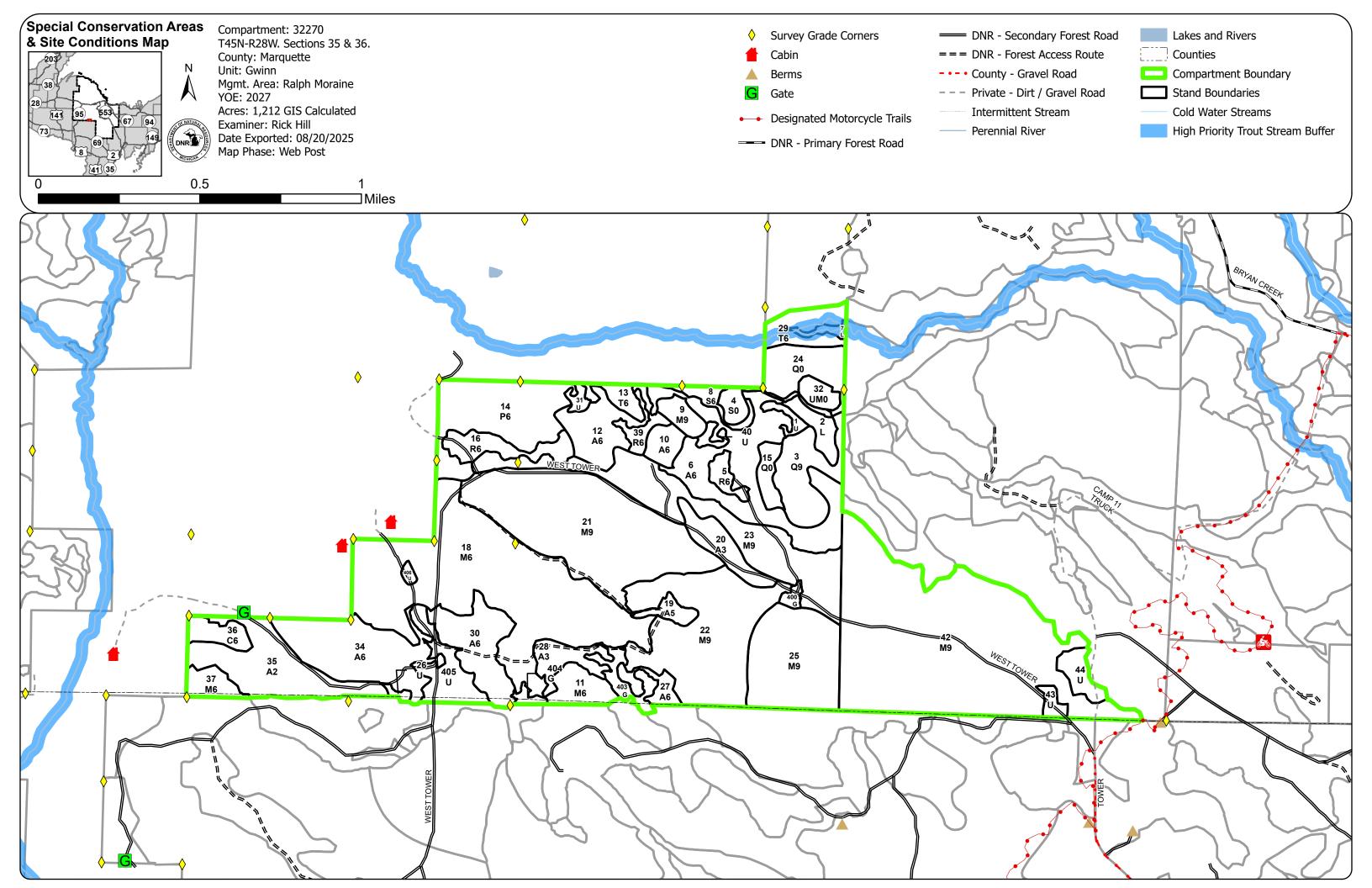
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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 270 Year of Entry 2027

Gwinn Mgt. Unit

Rick Hill: Examiner



Age Class

				,	,	,	,	,	,			,	,	,					, ,
	≱ or		3 / 2										g /2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2					St Jres	A A A A A A A A A A A A A A A A A A A
Aspen	0	57	0	31	134	5	0	23	0	0	0	0	0	0	0	0	0	8	256
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Aspen/Balsam Poplar	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Lowland Conifers	29	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	58
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Spruce/Fir	5	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	11
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	200	261	187	0	0	0	0	54	702
Red Pine	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Tamarack	0	0	0	0	0	0	0	7	0	0	15	0	0	0	0	0	0	0	22
Upland Mixed Forest	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Shrub	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Total	108	57	0	58	184	5	0	30	0	0	244	261	196	0	6	0	0	62	1209



Report 2 – Treatment Summary

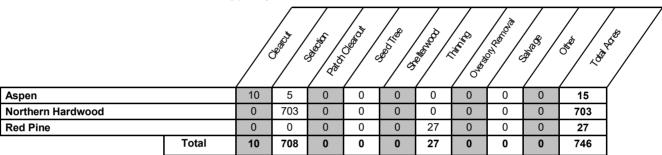
Gwinn Mgt. Unit Year of Entry: 2027

Acres of Harvest

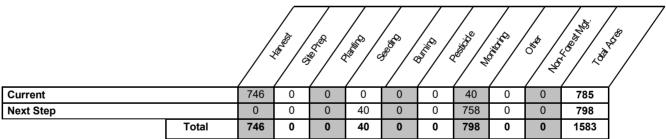
Compartment 270
Total Compartment Acres: 1,212

Commercial Harvest - 1464 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		Repo	rt 3 ⁻	Treatments		Compartment Year of Entry		DV DEPARTMENT
a n Treatment d Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	H
posed Treatme	nts:									
3 32270003- Monitor	6.9	6128 - Lowland Coniferous, Mixed Deciduous	9	95	Unspeci fied	Monitoring	Monitoring - Regeneration	611 - Lowland Deciduous Forest	Planting Record	
Prescription Chec Specs:	k regenerati	on 5 years after har	est.							
Next Step Seed Treatments:	ing, Aerial S	eed; Monitoring, Di	rect Seedir	ng						
Acceptable Bam, Regen:	spruce, fir,	aspen, birch, pine a	nd tamarac	k.						
-	ent to Treat	= 100%								
Site Condition:										
Proposed Start Dat	<u>e:</u> 10/01/2	026								
4 32270004- Monitor	5.2	6122 - Black Spruce	0	0	Unspeci fied	Monitoring	Monitoring - Regeneration	612 - Lowland Coniferous Forest	Planting Record	
Prescription Chec Specs:	k Regenera	tion of stand 5 years	after harve	est.						
Next Step Seed Treatments:	ing, Aerial S	eed; Monitoring, Di	rect Seedir	ng						
Acceptable A mix	of lowland	conifer								
Other Comment:										
Site Condition:										
Proposed Start Dat	<u>e:</u> 10/01/2	030								
5 32270005-Cu	it 5.64	12110 - Planted Red Pine	6	27	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	
Prescription Third Specs:	row thin or e	equivalent. Focus on	operability	<i>1</i> .					1100014	
Next Step Treatments:										
Acceptable Regen:										
Other Comment:										
Site Condition:										
Proposed Start Dat	<u>e:</u> 10/01/2	026								

S t		Ownin	ingt. Ome		ixepoi	(3	realments		Year of Entr		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
9	32270009-Cut	7.2 4	110 - Sugar Maple Association	9	110	111- 140	Harvest	Selection	411 - Northern Hardwood	Planting Record	No
Pres Spec			on system. Mark sta ry for operations. Do							yellow birch ι	ınless
	Step Monito tments:	ring, Natura	l Regen (Re-Invento	ory)							
Acce Rege	-	rn Hardwoo	d								
Othe Com	<u>r</u> ment:										
	Condition:	40/04/00	00								
	osed Start Date 32270010-Cut			6	60	Unanasi	Llamiaat	Clearcut	412 Aspen	Dlanting	No
10	32270010-Cut	7.8	4130 - Aspen	6	60	Unspeci fied	Harvest	Clearcut	413 - Aspen	Planting Record	No
Pres Spec			! inches in diameter, forked aspen and h							ocket should b	pe paced in
	Step Monito tments:	ring, Natura	l Regen (Re-Invento	ory)							
Acce Rege	e <u>ptable</u> Aspen, en:	mixed hard	wood								
Othe Com	<u>r</u> ment:										
	Condition:										
Prop	osed Start Date	10/01/20	26								
11	32270011-Cut	12.6 4 ⁻	110 - Sugar Maple Association	6	100	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spec			on system. Mark sta ry for operations. Du								nless
	Step Monito tments:	ring, Natura	l Regen (Re-Invento	ory)							
Acce Rege	e <u>ptable</u> Northe en:	rn Hardwoo	d								
Othe Com	<u>r</u> ment:										
Site	Condition:										
Prop	osed Start Date	10/01/20	26								
16	32270016-Cut	15.2 42	2110 - Planted Red Pine	6	27	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
Pres Spec		ow thin or ed	quivalent. Focus on	operability	' .						
	Step tments:										
Acce Rege	eptable en:										
Othe Com	<u>r</u> ment:										

Proposed Start Date: 10/01/2026

s			GWIIII	Migt. Offic		Kepor	13	realments		Compartmer Year of Entr		DNR
t a												MICHIGAN .
n d	Treatm Name		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
21	3227001	7-Cut	112.1 4	110 - Sugar Maple Association	9	110	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spe				on system. Mark sta ry for operations. Du								nless
	t Step I atments:	Monitori	ng, Natura	l Regen (Re-Invento	ory)							
Acc Reg	•	Northerr	n Hardwoo	d								
Othe Con	<u>er</u> nment:											
Site	Condition:											
Pro	oosed Star	t Date:	10/01/20	26								
18	3227001	8-Cut	156.8 4	110 - Sugar Maple Association	6	100	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spe				on system. Mark sta ry for operations. Do								nless
	t Step I atments:	Monitori	ng, Natura	l Regen (Re-Invento	ory)							
Acc Reg		Mixed N	lorthen Ha	rdwood								
Othe Con	<u>er</u> nment:											
Site	Condition	_										
Pro	oosed Star	t Date:	10/01/20	26								
22	3227002	22-Cut	83.5 4	110 - Sugar Maple Association	9	100	141- 170	Harvest	Selection	411 - Northern Hardwood	Planting Record	No
Pres Spe				on system. Mark sta ry for operations. Du								nless
=	t Step I atments:	Monitori	ng, Natura	l Regen (Re-Invento	ry)							
Acc Reg		Mixed no	orthern har	rdwood								
Othe Con	<u>er</u> nment:											
Site	Condition:											
Prop	oosed Star	t Date:	10/01/20	26								
23	3227002	23-Cut	68.0 4	110 - Sugar Maple Association	9	115	111- 140	Harvest	Selection	411 - Northern Hardwood	Planting Record	No
Pres Spe	scription (cs: h	Cut usin narvest i	g a selecti is necessa	on system. Mark sta ry for operations. Du	nd to 80 sue to lack	SQ FT us of regen	sing comp eration pr	olete marker as a resent refrain fro	a guide. Retain All l om using regenerati	hemlock, oak and on gaps during har	yellow birch u	nless
	t Step I atments:	Monitori	ng, Natura	l Regen (Re-Invento	ory)							
Acc Reg	•	Northerr	n Hardwoo	d								
Othe Con	<u>er</u> nment:											
Site	Condition:	_										
Pro	oosed Star	t Date:	10/01/20	26								
1												

Next Step Monitoring, Natural Regen (Re-Inventory)

<u>Treatments:</u>

Acceptable Aspen

Regen: Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Proposed Start Date: 10/01/2026

Site Condition:

s		Gwin	n Mgt. Unit		Repor	t 3	Treatments		Compartme Year of Ent		DNR DNR
t a									1001 01 2110		MICHIGAN W
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Total Treatment 785.4 Acreage Proposed:

Report 4 - Site Conditions

Gwinn Mgt. Unit

Rick Hill: Examiner

Compartment: 270 Year of Entry: 2027



Availability for Management Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available Acres 3J 5D Aspen Cedar Herbaceous Openland Low-Density Trees Lowland Aspen/Balsam Poplar **Lowland Conifers** Lowland Shrub Lowland Spruce/Fir Northern Hardwood Red Pine Tamarack **Upland Mixed Forest Upland Shrub** 1,205 1,154 **Total Forested Acres** 96% 4% 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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
2	Unavailable	5D: Unproductive forest land	6	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

Report 4 – Site Conditions

Gwinn Mgt. Unit Rick Hill: Examiner



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	27	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:	nd drainages throughout the sta	and Do	not manage			
	Numerous seeps ar	id drainages throughout the sta	and. Do	o not manage.			
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	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				

Gwinn Mgt. Unit Report 7 – Stands



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
1	330 - Low-[Density Tree	es	No	ne	3.2			No		
2	6222 - S	Shrub-Carr		No	ne	8.3			No		Beaver flooding and meadow.
3	6128 - Lowland (Deci	Coniferous,	Mixed	Sawtimb	er Well	29.0	95	Unspecified	N/A		Stand has numerous seeps and flowages throughout. Do not manage due to ground issues.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	7
	Black Spruce	10		10		Ва	lsam Fir	High	Variable	Variable	
	Tamarack	20		11				'	,		_
	Paper Birch	15	Seedling	9							
	Balsam Poplar	10		10							
	Quaking Aspen	15		12							
No	rthern White Cedar	30		15	95						
4	6122 - Bla	ack Spruce		Unspe	ecifed	5.2	0	Unspecified			Stand was Harvested by St John FP in winter of 2024-25 under CF Lowlands 32-036-18.
5	42110 - Plar	nted Red Pi	ine	Poletimb	er Well	5.6	27	171-200	N/A		Stand of red pine. Some openings exist that consist of
	Canopy Species Red Pine	% Cover	Size Class Seedling		1 Age 27						raspberry.Stand was cut in 1993. TS# 26-87. Hand planted in spring of 1998. Note: per FTP #C31-362 site was sprayed with herbicide on 6/7/2001 to chemically release the planted red pine.
6	4130	- Aspen		Poletimb		62.7	32	Immature	N/A		Stand was cut in 1993. TS# 26-87. Nice stand of dense aspen. Good
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	quality.
	Quaking Aspen	80	Sapling	6	32		ing Aspen	Low	Variable	Variable	
	Balsam Poplar	10	Seedling	6		Ва	lsam Fir	Low	Variable	Variable	
	Bigtooth Aspen	10	Sapling	6							_
7	6222 - S	Shrub-Carr		No	ne	2.7			No		Bottom lands and flood plains of the Camp Eleven Creek.
8	6122 - Bla	ack Spruce		Poletimb	er Well	6.1	132	Unspecified	N/A		Stand of stagnant black spruce with a few large cedar mixed in. Very
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	slow growth due to high water table. Do not manage.
	Black Spruce	98	Sapling	5	132	Та	marack	Medium	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	2		14		Blac	k Spruce	Medium	Variable	Variable	
							d Maple	Low	< 5 feet	< 5 feet	
						Ta	ıg Alder	Low	5 - 10 feet	5 - 10 feet	
9	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	7.2	110	111-140	N/A		Small stand of pole-sized hardwood. Basal area is still low. Do not manage in this YOE. Sugar maple is decent quality, but many double
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	stems. Paper birch is present but dying out.
	Paper Birch	2		14			lsam Fir	Low	Variable	Variable	F
	Red Maple	10		13		Whit	te Spruce	Low	10 - 20 feet	10 - 20 feet	
	Sugar Maple	88			110						

Gwinn Mgt. Unit



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
10	4130	- Aspen		Poletimb	er Well	7.8	60	Unspecified	N/A	٨	Healthy stand of dense aspen. Stand looks young and healthy.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	100	Sapling	7	60	Ва	lsam Fir	Low	>20 feet	>20 feet	
				,		Sug	ar Maple	Medium	10 - 20 feet	10 - 20 feet	
						Irc	nwood	Low	Variable	Variable	
11	4110 - Sugar I	Maple Asso	ciation	Poletimb	er Well	12.6	100	81-110	N/A	\	Stand harvested with CF Squared Hardwood timber sale 32-037-18.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Out between 2010 and 2020.
	Sugar Maple	45		10		Irc	nwood	Low	Variable	Variable	
	Basswood	50		14	100	Leat	therwood	Low	5 - 10 feet	5 - 10 feet	
	Red Oak	5		16							
12	4130	- Aspen		Poletimb	er Well	22.5	32	Immature	N/A	\	Stand was cut in 1993. TS #26-87. Nice stand of regenerated aspen.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Small openings within the stand are filling in. Aspen regeneration looks good, denser.
	Balsam Poplar	10	Seedling	6	32	Ва	lsam Fir	Low	Variable	Variable	good, donoo
	Tamarack	5	Seedling	5						1	-
	Quaking Aspen	80	Seedling	6	32						
	Balsam Fir	5	Seedling	5							
13	6121 -	Tamarack		Poletimb	er Well	6.6	60	Unspecified	N/A	\	Nice stand of tamarack that has regenerated back from a former cut.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Good stem quality.
	Tamarack	100	Sapling	5	60	Blac	k Spruce	Low	Variable	Variable	
						Ta	marack	Medium	>20 feet	>20 feet	
						Ba	lsam Fir	High	Variable	Variable	
14	6111 - Lowlar	ıd Balsam F	Poplar	Poletimb	er Well	50.4	32	Immature	N/A	٨	Stand was cut in 1993. TS #26-87. CEDAR LEFT. A highly variable
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	stand on marginal ground. Drier areas and some large knobs are upland with a quaking aspen/balsam fir mix. Wetter areas are predominately
	Black Spruce	2	Seedling	5		Та	marack	Low	< 5 feet	< 5 feet	bam with scattered balsam fir and tamarack.
	Red Maple	2	Seedling	5		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	45	Seedling	6	32	Quak	ing Aspen	Low	Variable	Variable	
	Paper Birch	2	Seedling	6		Wil	low spp.	Low	5 - 10 feet	5 - 10 feet	
	Tamarack	2	Seedling	6		Balsa	am Poplar	Low	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	43	Seedling	6		Whit	e Spruce	Low	< 5 feet	< 5 feet	
	Balsam Fir	4	Seedling	5		Ba	lsam Fir	Medium	5 - 10 feet	5 - 10 feet	
15	6128 - Lowland Dec	Coniferous,	, Mixed	Unspe	cifed	7.4	95	Unspecified			Stand was Harvested by St John FP in winter of 2024-25 under CF Lowlands 32-036-18.
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Northern	White Cedar	Low	>20 feet	>20 feet	

Report 7 - Stands

Compartment: 270

Year of Entry: 2027

Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
16	42110 - Pla	inted Red P	ine	Poletimb	er Well	15.2	27	171-200	N/A	Ą	Stand was hand planted in spring of 1998. Young red pine plantation which becomes more mixed as you go east. Balsam fir mixed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	throughout. Red pine is highly variable in height and diameter. There are
	Balsam Poplar	5	Seedling	6		Quak	ing Aspen	Low	5 - 10 feet	5 - 10 feet	some scattered pockets of quaking aspen within the stand.
	Balsam Fir	5	Seedling	6		Irc	nwood	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	85	Seedling	8	27						
	Quaking Aspen	5	Sapling	6							
18	4110 - Sugar I	Maple Assoc	ciation	Poletimb	er Well	156.8	100	81-110	N/A	4	Stand harvested with CF Squared Hardwood timber sale 32-037-18.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Cut between 2019 and 2023.
	Basswood	34		12		Irc	nwood	Medium	Variable	Variable	*
	Sugar Maple	66		10	100	Sug	ar Maple	Medium	>20 feet	>20 feet	
		,				Leat	therwood	Medium	5 - 10 feet	5 - 10 feet	
						Blackbe	rry/Raspberry	High	< 5 feet	< 5 feet	
						Ва	lsam Fir	Low	< 5 feet	< 5 feet	
19	4130	- Aspen	P	oletimber	Mediun	n 5.4	40		N/A	Ą	Center of stand is an old landing/opening filling in.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Balsam Poplar	32	Seedling	9	40	Ва	lsam Fir	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	55	Seedling	8	40	Sug	ar Maple	Medium	< 5 feet	< 5 feet	
	Balsam Fir	5	Seedling	6							
	Sugar Maple	3	Seedling	6							
	Bigtooth Aspen	5	Seedling	8							
20	4130	- Aspen		Sapling	Well	15.0	62 U	Inspecified	N/A	A	Observation and desired OF Occupant Handward Start and all 20, 207, 40
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand harvested with CF Squared Hardwood timber sale 32-037-18. Cut between in 2019. Regeneration has been a little light but is filling in
	Quaking Aspen	100	Log	1	62	Sug	ar Maple	Full	10 - 20 feet	10 - 20 feet	well over time.
21	4110 - Sugar I	Maple Assoc	ciation	Sawtimb	er Well	112.1	110	111-140	N/A	A	Nice quality maple beach stand. not much regeneration present. harvest now step BA to down to 60 SQ ft over the next couple of entry periods
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	to try to produce better conditions for maple regeneration.
	Sugar Maple	63		12	110	Leat	therwood	Medium	5 - 10 feet	5 - 10 feet	
	Basswood	35		14		Irc	nwood	Medium	5 - 10 feet	5 - 10 feet	
	Yellow Birch	2		14		Sug	ar Maple	Low	5 - 10 feet	5 - 10 feet	
22	4110 - Sugar I	Maple Assoc	ciation	Sawtimb	er Well	83.5	100	141-170	N/A	Ą	Stand was selectively cut in 2000: TS#114-97-01. Decent pole stand, 1 heavier to sugar maple. The understory is thick and brushy with
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	ironwood and mixed leatherwood. Scattered white spruce saplings are
	Yellow Birch	2		12		Irc	nwood	High	Variable	Variable	more dense in isolated pockets. Yellow birch are very rare but present
	Basswood	20		14		Whit	e Spruce	Medium	5 - 10 feet	5 - 10 feet	within the stand.
	Sugar Maple	78		12	100	Sug	ar Maple	Low	>20 feet	>20 feet	

Report 7 - Stands Gwinn Mgt. Unit



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
23	4110 - Sugar I	Maple Assoc	ciation	Sawtimb	er Well	68.0	115	111-140	N/A	ı	Stand consists of a mix of basswood and sugar maple of decent quality. Regeneration underneath is poor, mostly ironwood and raspberry. Only
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	fregeneration underneath is poor, mostly frontwood and raspberry. Only few sugar maple seedlings and saplings. Stand was selectively thinned
	Sugar Maple	77		12	115	Sug	gar Maple	Low	10 - 20 feet	10 - 20 feet	in 2009.
	Red Maple	3		10		Iro	onwood	High	Variable	Variable	
	Basswood	20		14	115						
24	612 - Lowland	Coniferous	Forest	Unspe	cifed	21.7	0				Stand was Harvested by St John FP in winter of 2024-25 under CF Lowlands 32-036-18.
25	4110 - Sugar I	Maple Assoc	ciation	Sawtimb	er Well	54.0	100	81-110	N/A	1	Stand was thinned in 2009.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	80		14	100	Sug	gar Maple	Low	10 - 20 feet	10 - 20 feet	
	Basswood	20		16	76	Iro	onwood	High	Variable	Variable	
26	320 - Սբ	oland Shrub		Noi	ne	1.5			No		Grass stand with trees starting to work in the edges.
27	4130	- Aspen	1	Poletimb	er Well	7.5	48		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	Seedling	8		Whi	te Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	55	Seedling	9	48	Sug	gar Maple	Medium	>20 feet	>20 feet	
	Bigtooth Aspen	10		10		Iro	onwood	Medium	Variable	Variable	
	Balsam Poplar	15	Seedling	8							
	White Spruce	5	Seedling	8							
	Balsam Fir	5		10							
	Red Maple	5	Seedling	8							
28	4130	- Aspen		Sapling	Well	12.5	6	Immature	N/A		Stand harvested with CF Squared Hardwood timber sale 32-037-18.
	Canopy Species	% Cover	Size Class	DBH	Age						Cut between 2019. Stand is filling in well.
	Quaking Aspen	100	Log	1	6						
29	6121 -	Tamarack	I	Poletimb	er Well	15.3	94 L	Inspecified	N/A	,	Stand of pole sized tamarack. Tamarack is good quality.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	95	Seedling	8	94	Ва	llsam Fir	Medium	Variable	Variable	
	Black Spruce	5	Seedling	8		Та	ag Alder	Medium	5 - 10 feet	5 - 10 feet	



Stan	d Level 4 Co	Size Density		Acres	Stand Age B	Managed Site		General Comments		
30	4130		Poletimber Wel	I 30.5	30.5 23		N/A		Harvested in 2003; TS# 124-02-01. Young stand of aspen regeneration, very thick. Scattered larger spruce/fir likely left as retention from	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	previous harvest. Leatherwood and cherry also present in the
	Basswood	2	Seedling	5	Lea	therwood	Medium	< 5 feet	< 5 feet	understory, but in lower density
	Paper Birch	2	Seedling	5	Iro	onwood	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Seedling	5 23	Blac	ck Cherry	Low	5 - 10 feet	5 - 10 feet	
	Black Cherry	2	Log	4						
	Balsam Fir	3	Sapling	6						
	White Spruce	3	Seedling	8						
	Red Maple	3	Sapling	5						
	Sugar Maple	5	Seedling	5						
31	330 - Low-I	Density Tree	es	None	2.7			No		
32	4319 - Mixed Upland Forest			Unspecifed	6.0	88	1-50			Stand was Harvested by St John FP in winter of 2024-25 under CF
					Sub-Ca	nopy Species	Density	Avg. Height	Size	Lowlands 32-036-18.
						hite Pine	Low	>20 feet	>20 feet	
34	. 4130 - Aspen			Poletimber Wel	l 49.1	32	1-50 N/A			Nice stand of diverse regen. Stand looks healthy. Stand was cut in
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	Sub-Canopy Species		Avg. Height Size		1993. TS# 26-87
	Quaking Aspen	75	Seedling	7 32	Haze	elnut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	2	Seedling	6	Sug	gar Maple	Low	Variable	Variable	
	Balsam Poplar Ironwood	3	Seedling Sapling	6 5		gar Maple onwood	Low Medium	Variable Variable	Variable Variable	
	· · · · · · · · · · · · · · · · · · ·				Iro	'				
	Ironwood	3	Sapling	5	lro Whi	onwood	Medium	Variable	Variable	
35	Ironwood Sugar Maple	3	Sapling Seedling	5	lro Whi Ba	onwood ite Spruce	Medium Medium	Variable Variable	Variable Variable Variable	Stand is regenerating to aspen. Full tree harvested by Minerick FP in the
35	Ironwood Sugar Maple 4130	3 20	Sapling Seedling	5 6 Sapling Medium	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over
35	Ironwood Sugar Maple	3 20 - Aspen	Sapling Seedling	5 6	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	
35	Ironwood Sugar Maple 4130 Canopy Species	3 20 - Aspen % Cover	Sapling Seedling Size Class	5 6 Sapling Medium	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood
35	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen	3 20 - Aspen % Cover 79	Sapling Seedling Size Class	5 6 Sapling Medium DBH Age 1 6	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood
35	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak	- Aspen - Cover - 79 - 2	Sapling Seedling Size Class	Sapling Medium DBH Age 1 6 16	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood
35	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak White Pine	- Aspen - Cover 79 2 2	Sapling Seedling Size Class	5 6 Sapling Medium DBH Age	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood
35	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak White Pine Red Pine	- Aspen **Cover** 79 2 2 2 2	Sapling Seedling Size Class Log	5 6 Sapling Medium DBH Age	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood
35	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak White Pine Red Pine Balsam Poplar Bigtooth Aspen	- Aspen **Cover* 79 2 2 2 10	Sapling Seedling Size Class Log Log Log	5 6 Sapling Medium DBH Age	lro Whi Ba	onwood ite Spruce alsam Fir	Medium Medium Medium	Variable Variable Variable	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood timber sale 32-037-18. Cut between 2019 and 2023. Nice stand of quality pole sized cedar with scattered white spruce and a
	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak White Pine Red Pine Balsam Poplar Bigtooth Aspen	- Aspen **Cover* 79	Sapling Seedling Size Class Log Log Log	5 6 Sapling Medium DBH Age	Ird Whi Ba 44.2	onwood ite Spruce alsam Fir	Medium Medium Medium mmature	Variable Variable Variable N/A	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood timber sale 32-037-18. Cut between 2019 and 2023.
	Ironwood Sugar Maple 4130 Canopy Species Quaking Aspen Red Oak White Pine Red Pine Balsam Poplar Bigtooth Aspen	- Aspen **Cover* 79	Sapling Seedling Size Class Log Log Log	5 6 Sapling Medium DBH Age	Whin Bar 44.2	onwood ite Spruce alsam Fir 6 I	Medium Medium Medium mmature	Variable Variable Variable N/A	Variable Variable Variable	fall of 2019. There are sparce areas and pockets of no stocking over time these will fill in. Stand harvested with CF Squared Hardwood timber sale 32-037-18. Cut between 2019 and 2023. Nice stand of quality pole sized cedar with scattered white spruce and a few deceased trees. No young regeneration present. Scattered balsam

Report 7 - Stands



Stand	Level 4 Cover Type			Size Density		Acres Stand Age B		BA Range	Managed Site		General Comments
37	4110 - Sugar Maple Association			Poletimber Well		8.5	105	81-110	N/A		Stand harvested with CF Squared Hardwood timber sale 32-037-18. — Cut between 2019 and 2023.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Cut between 2019 and 2023.
	Sugar Maple	63	Seedling	9	105	Iro	onwood	Medium	Variable	Variable	
	Basswood	30		14		Lea	therwood	High	< 5 feet	< 5 feet	
	Yellow Birch	2	Seedling			Sug	jar Maple	Medium	>20 feet	>20 feet	
	Red Oak	5		25		Whi	te Spruce	Low	< 5 feet	< 5 feet	
39	42110 - Planted Red Pine Poletimber W				er Well	6.6	27	171-200	N/A		Stand was cut in 1993. TS #26-87. Hand planted to red pine in spring of
	Canopy Species % Cover Size Class		s DBH Age							1998. Some void areas within the stand that are filled with raspberry.	
	Red Pine	100	Seedling		27						
40	330 - Low-Density Trees				ne	2.7			No		Former grass opening that is filling in with aspen.
						Sub-Canopy Species		Density	Avg. Height	Size]
							king Aspen	Medium	Variable	Variable	
42	4110 - Sugar Maple Association Sawtimber We					200.2	98	111-140	N/A		This stand is the combination of two separate stands due to mapping
	Canopy Species % Cover Size Clas		s DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	rules. The portion of the stand south of the Tower Rd. was harvested in 2004, TS#32-125-03-01. The portion north of the road was harvested	
	White Ash	4	Seedling				onwood	High	5 - 10 feet	5 - 10 feet	between July and December of 1996 by Jeff Jacobson #17-93.
	Sugar Maple	48		12	98	Quak	king Aspen	Low	5 - 10 feet	5 - 10 feet	
	Basswood	48		16	98	Lea	therwood	High	5 - 10 feet	5 - 10 feet	
43	320 - Upland Shrub None		3.7			No					
44	320 - Upl	and Shrub		Nor	ne	8.7			No		
400	310 - Herbaceous Openland		Nor	ne	2.3			No			
403	310 - Herbaceous Openland		Nor	ne	9.3			No			
404	310 - Herbaceous Openland			Nor	ne	2.3			No		
405	320 - Upland Shrub No			Nor	ne	19.0			No		Grass stand with trees starting to work in the edges. Pond in the center of the stand in wet years.
406	330 - Low-Density Trees			Nor	ne	1.4			No		