

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41009 Entry Year 2022 Acreage: 1,003

County Schoolcraft

Management Area: Seney Manistique Swamp

Revision Date: 2020-05-08 **Stand Examiner:** Mario Molin

Legal Description:

44N 13W Sections: 28, 31, 32, 33.

Identified Planning Goals:

Soil and topography:

Flat to rolling terrain. Most of the compartment lies within the Buried Moraine LTA, a portion is within the Seney Wildlife

and a portion is within the Newberry Moraine LTA.

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

Surrounded by Corporate and Private lands.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None at this time.

Watershed and Fisheries Considerations:

Mead Creek runs through north part of this compartment

Wildlife Habitat Considerations:

Compartment 9 lies within eastern Schoolcraft county in the St. Ignace sub-subsection and is part of the Seney-Manistique Swamp Management area with beaver, moose, sharp-tailed grouse, snowshoe hare, and white-tailed deer as featured species. The growing season is 130 days. Extreme winter low temperature is -46 degrees F. Annual snowfall averages 80 inches.

Upland pre-settlement vegetation within this compartment was most likely dominated by northern hardwoods and hemlock-beech forest. Lowlands were primarily conifer covered including cedar, tamarack, and black spruce. Windthrow was most likely the major disturbance regime in this area. Vegetational composition in this compartment is fairly similar to the presumed pre-settlement conditions. However, there are currently more aspen stands and grassy openings than would have been expected in the 1850s.

Wildlife habitat management objectives include maintaining the hemlock/white pine component in the northern hardwood stands, promoting large diameter trees for structural diversity, and maintaining the grassy openings. Other wildlife priorities include aspen management for early successional species, the creation of dense understory's with retention of woody debris in jack pine and lowland types and retaining soft and hard mast producing species in harvested stands. Other wildlife species of interest include blackburnian warbler, chestnut-sided warbler, broad-winged hawk, woodland jumping mouse, southern flying squirrel, and ruffed grouse.

Mineral Resource and Development Concerns and/or Restrictions

Paper Co. reserved the limestone in Section 32 at the time of Surface sediments consist of coarse-textured glacial till. There is

60 feet of local relief in the compartment. Glacial drift thickness varies between 50 and 100 feet. The Silurian Manitoulin Dolomite and Ordovician Queenston Shale subcrop below the glacial drift. The Manitoulin could be used for stone. Gravel

pits

are located throughout this area, mostly associated with uplands. There is gravel potential on State lands. Approximately 50% of

the State land is surface only. Escanaba exchange

Vehicle Access:

2-tracks dissect most of the compartment on typically good upland ground.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Fire Protection:

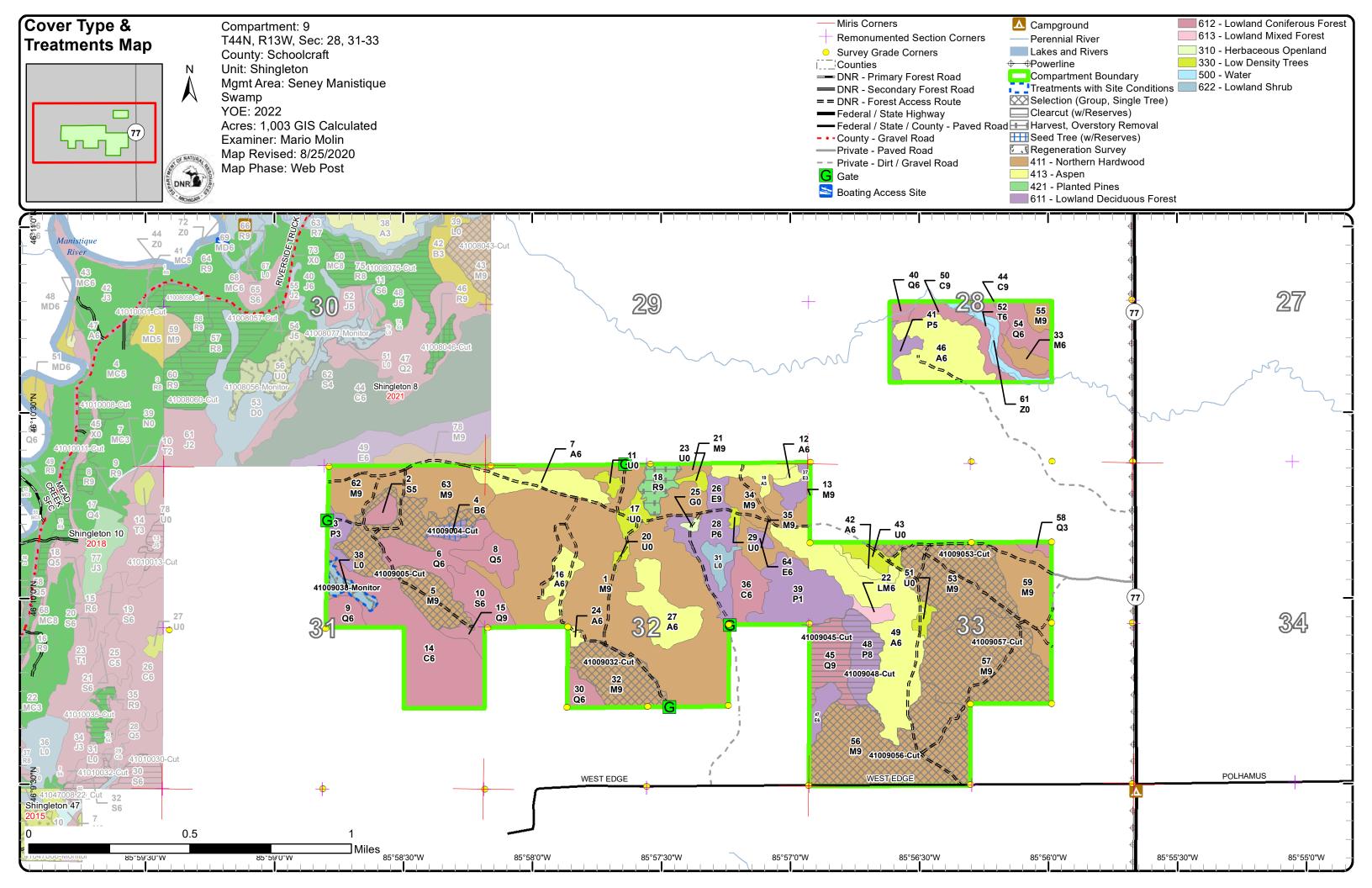
Additional Compartment Information:

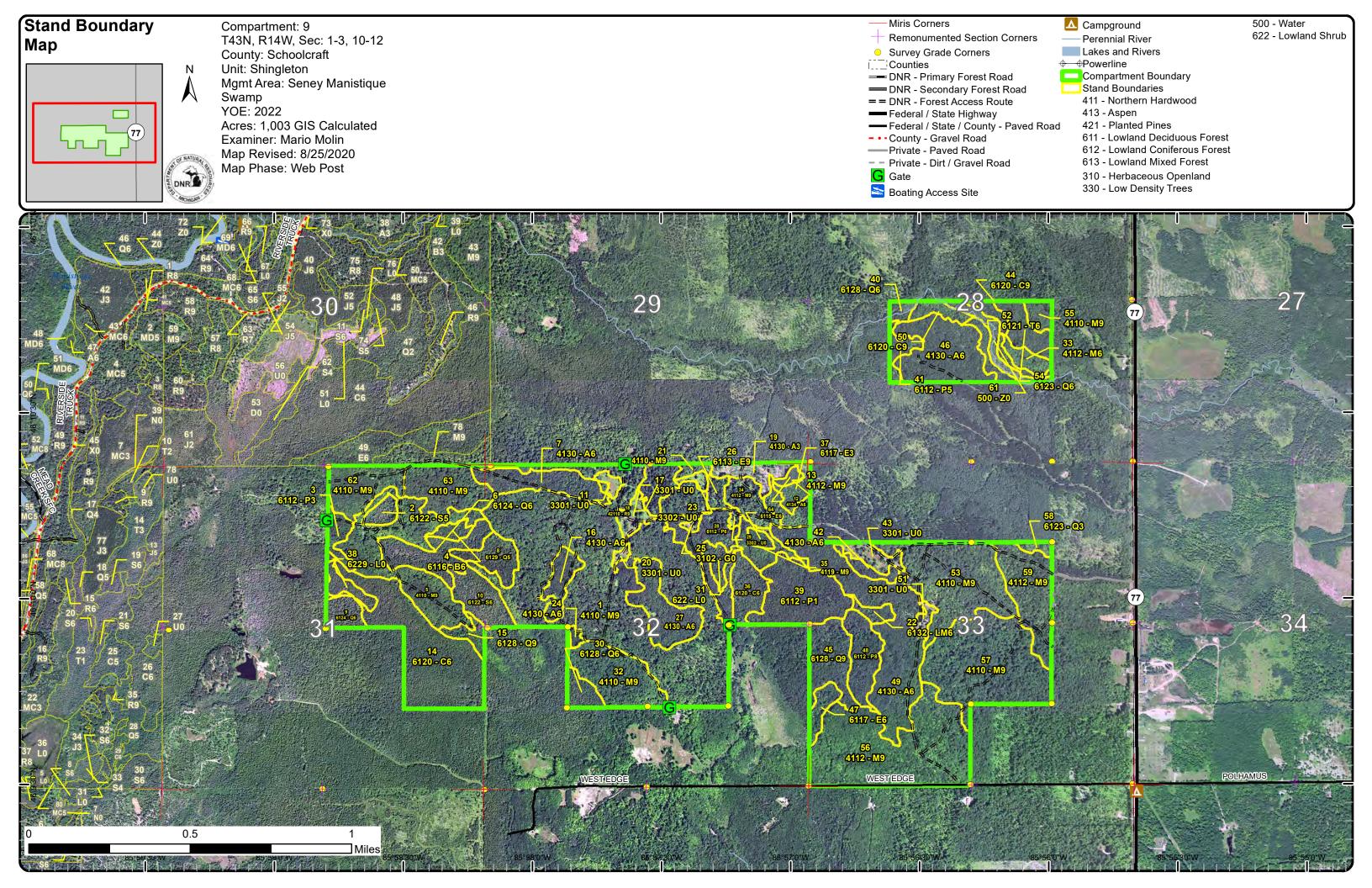
The following reports from the Inventory are attached:

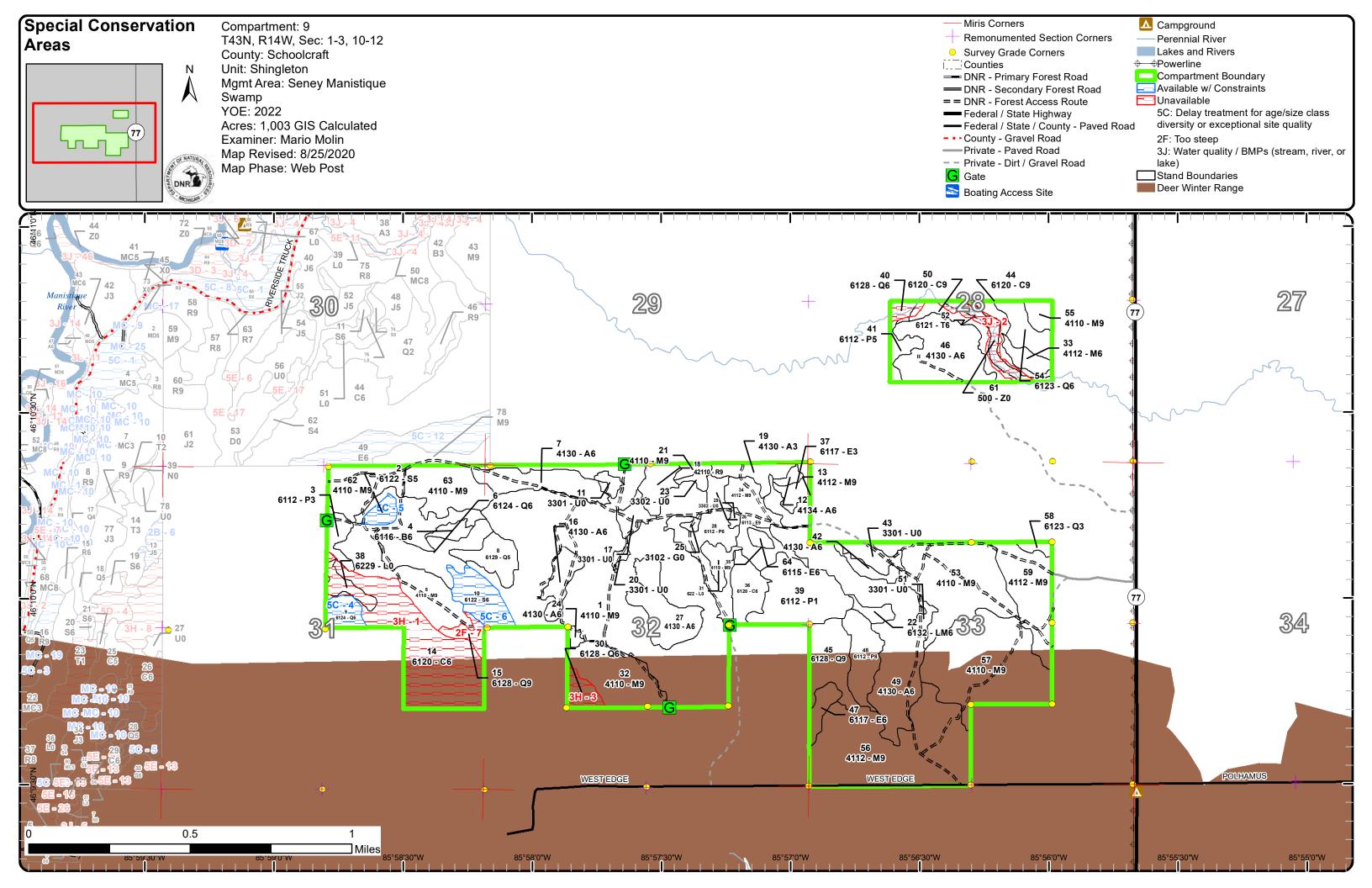
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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 9

Year of Entry 2022

Shingleton Mgt. Unit Mario Molin : Examiner



Age Class

			,	,	,	,	,	,				,	,	,	,		,	,	, ,
	/	/ ** /	/ /		_ /	_ /	_ /	_ /	/	/		_ /	_ /	_ /	_ /	_ /	_ /	/ /	
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	/ 🛪			/ ·		<i>/</i> `		/	/	/ `				/ ~	/ ~	/ ~		/ 3	
Aspen	0	9	0	0	139	0	0	0	0	0	0	0	0	0	0	0	0	0	148
Cedar	0	0	0	0	0	0	0	0	0	11	11	0	0	0	0	0	54	0	75
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Aspen/Balsam Poplar	0	35	0	0	24	0	0	15	0	0	0	0	0	0	0	0	0	0	74
Lowland Conifers	0	0	2	0	10	0	19	11	6	21	12	0	0	0	0	0	0	0	81
Lowland Deciduous	0	0	0	11	0	2	0	0	0	4	0	0	0	0	0	0	0	0	17
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Lowland Shrub	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	0	0	0	16	0	220	222	0	0	0	0	0	0	72	530
Paper Birch	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Red Pine	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Tamarack	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	39	44	2	11	178	2	19	53	6	256	245	18	0	3	0	0	54	72	1001



Report 2 – Treatment Summary

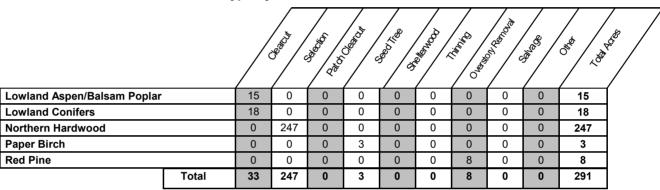
Shingleton Mgt. Unit Year of Entry: 2022

Acres of Harvest

Compartment 9
Total Compartment Acres: 1,003

Commercial Harvest - 291 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method

		/.					Sin (10 / 26 / 26	<i>(</i>	
Current		291	0	0	0	0	0	5	0	0	297	
Next Step		0	0	0	0	0	0	291	0	0	291	
	Total	291	0	0	0	0	0	297	0	0	588	

s t	\$	Shingleto	n Mgt. Unit		Repoi	rt 3 T	Treatments		Compartmen 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	Habit Cut
pos	sed Treatmen	ts:									
4	41009004-Cut	3.4	6116 - Lowland Birch	Poletimbe Well	r 67	81-110	Harvest	Seed Tree	6116 - Lowland Birch	Two-Aged	No
Pre:		tree 30 BA	A of younger healthi	er P.Birch.							
Trea	xt Step Monitor atments:		ral Regen (Re-Inver	ntory)							
Rec Oth	gen: ner										
	mment:										
	e Condition posed Start Date	. 10/1/20	12 1								
	-			Courtimbo	~ OF	81-110	Harvest	Cinalo Troo	411 - Northern	Linguan	NI
5	41009005-Cut	43.0 4	4110 - Sugar Maple Association	Well	1 65	01-110	пагческ	Single Tree Selection	Hardwood	Uneven- Aged	No
Pre: Spe		80, relea	se existing regen.								
	xt Step Monitor	ring, Natu	ral Regen (Re-Inver	ntory)							
	<u>ceptable</u> Hardwo gen:	oods									
Oth Con	<u>ner</u> mment:										
Site	e Condition										
Pro	posed Start Date	<u>:</u> 10/1 /20	021								
18	41009018-Cut	8.2	42110 - Planted Red Pine	Sawtimbe Well	r 65	111- 140	Harvest	Overstory Removal	411 - Northern Hardwood	Even-Aged	No
Pre: Spe		red pine, ı	no retention due to	small acrea	ge.						
	xt Step Monitor	ring, Natu	ral Regen (Re-Inver	ntory)							
	<u>ceptable</u> hardwo gen:	ods									

Proposed Start Date: 10/1 /2021

Other Comment:
Site Condition

S t a		Shingleto	on Mgt. Unit		Repoi	rt3 '	Treatments		Compartmen Year of Entr		DNR MATURAL PROPERTY OF NATURAL PROPERTY OF NA
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
32	41009032-Cu	t 25.5	4110 - Sugar Maple Association	Sawtimbe Well	r 85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
		to 80ba wi	th large regen holes	-							
Specs		r harvest t	ill bark slip.								
Next S Treat	<u>Step</u> Monit ments:	oring, Natu	ıral Regen (Re-Inver	ntory)							
Accep Rege	<u>ptable</u> North <u>n:</u>	ern hardwo	oods								
Other Comr	•										
Site C	Condition Condition										
Propo	osed Start Dat	<u>e:</u> 10/1 /2	021								
45	41009045-Cu	t 17.9	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimbe Well	r 85	141- 170	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Two-Aged	No
Preso Specs	<u>s:</u>		etention island of hig	her densitie	s of ced	dar.					
Next :		er harvest	ıral Regen (Re-Inver	atory)							
	<u>ments:</u>	oning, ivall	arar ixegeri (ixe-ilivei	itory)							
Accer Rege	<u>ptable</u> Mixeo <u>n:</u>	l species.									
Other Comr	•										
Site C	Condition Condition										
Propo	osed Start Dat	<u>e:</u> 10/1 /2	021								
48	41009048-Cu	t 15.1	6112 - Lowland Aspen	Sawtimbe Medium	r 67	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Two-Aged	No
Preso Specs		cut with re	tention island of hig	her densitie	s of ced	dar.					
		er harvest									
Next S Treat	<u>Step</u> Monit <u>ments:</u>	oring, Natu	ıral Regen (Re-Inver	ntory)							

<u>Acceptable</u> Mixed species <u>Regen:</u>

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Compartment: 9
Year of Entry: 2022

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••	atment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
53 4100	9053-Cut	46.5 4	110 - Sugar Maple Association	Sawtimbe Well	er 85	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
	on Mark to	50BA, sho	ould create lots of r	egeneratio	n.					3	
Specs:	Winter	harvest till	bark slip.								
Next Step Treatment		ring, Natura	al Regen (Re-Inven	tory)							
Acceptabl Regen:	e_ Hardwo	oods									
Other Comment	<u>.</u>										
Site Cond	<u>ition</u>										
Proposed	Start Date	10/1 /202	21								
56 4100	9056-Cut	72.1	4112 - Maple, Beech, Cherry Association	Sawtimbe Well	er 85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
	on Mark to	70BA. W	ith large regen hole	es.							
Specs:	Winter	harvest till	bark slip.								
Next Step Treatment		ring, Natura	al Regen (Re-Inven	tory)							
Acceptabl Regen:	e hardwo	ods									
Other Comment		ot look like	this stand has eve	r been har	vested						
Site Cond	<u>ition</u>										
Proposed	Start Date	10/1 /202	21								
57 4100	9057-Cut	58.9 4	110 - Sugar Maple Association	Sawtimbe Well	er 85	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
Prescription Specs:	on Mark to	80BA.									
<u>opecs.</u>	Winter	harvest till	bark slip.								
Next Step Treatment		ring, Natura	al Regen (Re-Inven	tory)							
Acceptabl Regen:	e Hardwo	oods									
Other Comment											
Site Cond	<u>ition</u>										
Proposed	Start Date	<u>:</u> 10/1 /202	21								

Approved Treatments:

38	41009038- Monitor	5.2	6229 - Mixed lowland shrub	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	6120 - Lowland Cedar	Uneven- Aged	No
Prescr Specs	<u>iption</u> monitor <u>:</u>										
Next S Treatm											
Accept Regen	<u>table</u> any specie <u>:</u>	es									
Other Comm	Percent to ent:	Treat =	= 100%								

Shingleton Mgt. Unit Report 3 -- Treatments

Size

Density Age

Stand

Stand

CoverType

Compartment: 9 Year of Entry: 2022

Cover Type

Objective



Cut

Age Structure Deer Wintering Area Site Condition Proposed Start Date: 10/1 /2024

Treatment

Type

Treatment

Method

ВА

Range

Total Treatment 296.6 Acreage Proposed:

Treatment

Name

Acres

S t

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Shingleton Mgt. Unit

Compartment: 9 Year of Entry: 2022 Mario Molin: Examiner **Availability for Management**

Availe	ability loi	Managemen						
Total	Acres	Acres Avail	Acres	D	omina	nt Sit	e Con	ditions
Acres	Available	With Condition	Not Available		5C	2F	3H	3J
148	148	0	0	Aspen				
75	19	0	56	Cedar			54	2
1	1	0	0	Herbaceous Openland				
21	21	0	0	Low-Density Trees				
74	74	0	0	Lowland Aspen/Balsam Poplar			0	
80	60	7	14	Lowland Conifers	7	5	6	3
17	17	0	0	Lowland Deciduous				
3	3	0	0	Lowland Mixed Forest				
10	5	0	5	Lowland Shrub			5	
18	0	18	0	Lowland Spruce/Fir	18			
530	530	0	0	Northern Hardwood	0			
3	3	0	0	Paper Birch				
8	8	0	0	Red Pine				
5	3	0	1	Tamarack				1
7	1	0	7	Water				7
1,003	895	25	83	Total Forested Acres	25	5	65	13
	89%	2%	8%	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 ond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	59	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						

Report 4 - Site Conditions

Compartment: 9
Year of Entry: 2022

Shingleton Mgt. Unit

Mario Molin: Examiner

3 Unspecified Unspecified Unspecified Unspecified Unavailable 3H: Deer Wintering Area -6 habitat is incompatible with harvest at this time Comments: Unspecified Unspecified 5C: Delay treatment for 7 Unspecified Unspecified 4 **Available** age/size class diversity or exceptional site quality Comments: 5 Unspecified Unspecified Unspecified Unspecified 5C: Delay treatment for 4 **Available** age/size class diversity or exceptional site quality Comments: Unspecified Unspecified Unspecified Unspecified 6 **Available** 5C: Delay treatment for 14 age/size class diversity or exceptional site quality **Comments:** Unspecified Unspecified Unspecified Unspecified 5 7 Unavailable 2F: Too steep 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				

Shingleton Mgt. Unit Compartment: 9
Year of Entry 2022



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	Туре	Description	HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA I	Habitat Area	and Waterfowl Production Areas, deer wintering coopenings and savannas. Habitat areas are distinct	d's warbler or piping plover areas) in that they are more threatened or endangered species, and are not



Stand	Level 4 Co	over Type	:	Size Den	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
1	4110 - Sugar M	aple Assoc	ciation §	Sawtimbe	r Well	182.2	93	81-110	N/A		unit 6 of Sweet ash TS: 41-034-12TCR 9/26/17
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Log	12	93	Re	d Maple	Low	5 - 10 feet	Sapling	
	Red Maple	10	Log/Pole	10		Iro	nwood	Low	5 - 10 feet	Sapling	
	Yellow Birch	2	Pole	8							
	Beech	5	Log	16							
	Paper Birch	3	Pole	8							
2	6122 - Bla	ack Spruce	Po	oletimber	Medium	1 4.2	100	51-80	N/A		Large hemlock growing at the transition to upland.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	60	Pole	5	100	Ва	lsam Fir	Low	Variable	Sapling	
	White Pine	30	Log	12		Blac	k Spruce	High	< 5 feet	Sapling	
	Tamarack	10	Pole/Sapling	5		Wh	nite Pine	Low	Variable	Sapling	
						Н	emlock	Low	Variable	Sapling	
3	6112 - Low	vland Aspe	n	Sapling	Well	5.8	4	Immature	N/A		A handful of scattered residual birch "green trees" still standing.
	Canopy Species	% Cover	Size Class	DBH	Age						Sweet ash TS:41-034-12
	Bigtooth Aspen	100	Sapling	1	4						TCR: 9/26/17
4	6116 - Lov	wland Birch	ı F	Poletimbe	er Well	3.4	67	81-110	N/A		Healthy P. Birch stand
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Log	12		Sug	ar Maple	Medium	5 - 10 feet	Sapling	
	Paper Birch	75	Pole	8	67	Re	d Maple	Medium	5 - 10 feet	Sapling	
	Bigtooth Aspen	10	Pole	8		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
5	4110 - Sugar M	aple Assoc	ciation §	Sawtimbe	r Well	43.8	85	81-110	N/A		Little regeneration in most parts, heavily browsed with the larger regen holes having some success growing past browse height.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Tibles having some success growing past browse height.
	Sugar Maple	80	Log/Pole	12	85	Sug	ar Maple	Medium	Variable	Sapling	
	Red Maple	5	Log/Pole	12		Ва	lsam Fir	Low	Variable	Sapling	
	Paper Birch	10	Pole	8							
	Hemlock	5	Log/XLog	18							
6	6124 - Lowla	ind Spruce	-Fir F	Poletimbe	er Well	18.6	59	1-50	N/A		2020: Currently flooded in most parts
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Spruce	50	Pole	6	59	Whi	te Spruce	Low	Variable	Sapling	
	White Pine	20	Log	10		Ta	marack	Low	Variable	Sapling	
	Hemlock	5	Log	14				,			



Stan	nd Level 4 Co	over Type				710.00	Stand Age BA			ite	General Comments	MICHIGAN
7	4130 -	- Aspen	Po	oletimb	er Well	17.1	37	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size		
	Sugar Maple	10	Sapling/Pole	4			l Maple	Low	5 - 10 feet	Sapling		
	Quaking Aspen	60	Pole	7	37	Bals	sam Fir	Low	5 - 10 feet	Sapling		
	Bigtooth Aspen	15	Pole	6		Black	k Cherry	Low	5 - 10 feet	Sapling		
	Balsam Fir	10	Pole	6		Iror	nwood	Low	5 - 10 feet	Sapling		
	Black Cherry	5	Pole/Sapling	5		Appl	e (spp.)	Medium	Variable	Sapling		
8	6129 - Mixed Co Fo	oniferous Lo orest	owland Pole	etimbe	⁻ Mediun	n 10.6	62	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size		
	Paper Birch	15	Pole	6			l Maple	Low	5 - 10 feet	Sapling		
	Black Spruce	20	Pole	5		Pape	er Birch	Low	5 - 10 feet	Sapling		
	Balsam Fir	20	Pole	5		Bals	sam Fir	Low	5 - 10 feet	Sapling		
N	lorthern White Cedar	25	Log/Pole	10	62	White	e Spruce	Low	5 - 10 feet	Sapling		
1 4												
140	Hemlock	20	Log	16		А	Alder	Medium	5 - 10 feet	Tall Shrub		
9	6124 - Lowla			oletimb	er Well	6.7	93	Medium 51-80	5 - 10 feet N/A	Tall Shrub	Isolated lowland with high water and difficult to access.	
	6124 - Lowla Canopy Species	and Spruce	-Fir Po	oletimb DB F	er Well	6.7 Sub-Can	93		N/A Avg. Height	Size	Isolated lowland with high water and difficult to access.	
	6124 - Lowla Canopy Species Paper Birch	% Cover	-Fir Po	DBH		6.7 Sub-Can Bals	93 opy Species sam Fir	51-80	N/A Avg. Height 5 - 10 feet	Size Sapling	Isolated lowland with high water and difficult to access.	
	6124 - Lowla Canopy Species Paper Birch Balsam Fir	% Cover 5 25	-Fir Poile Pole	DBH 6 8	Age	6.7 Sub-Can Bals Northern	93 opy Species sam Fir White Cedar	51-80 Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Sapling Sapling	Isolated lowland with high water and difficult to access.	
9	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce	% Cover 5 25 30	-Fir Po Size Class Pole Pole Pole	DBH 6 8		6.7 Sub-Can Bals Northern	93 opy Species sam Fir	51-80 Density Low	N/A Avg. Height 5 - 10 feet	Size Sapling	Isolated lowland with high water and difficult to access.	
9	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar	% Cover 5 25 30 30	Fir Poile Pole Pole Pole Log/Pole	0letimb	Age	6.7 Sub-Can Bals Northern	93 opy Species sam Fir White Cedar	51-80 Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Sapling Sapling	Isolated lowland with high water and difficult to access.	
9	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce	% Cover 5 25 30	-Fir Po Size Class Pole Pole Pole	DBH 6 8	Age	6.7 Sub-Can Bals Northern	93 opy Species sam Fir White Cedar	51-80 Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Sapling Sapling	Isolated lowland with high water and difficult to access.	
9	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple	% Cover 5 25 30 30 10 ack Spruce	Fir Pole Size Class Pole Pole Pole Log/Pole Pole	DBH 6 8 8 10 6	Age	6.7 Sub-Can Bals Northern A	93 sopy Species sam Fir White Cedar Alder	51-80 Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size Sapling Sapling	Isolated lowland with high water and difficult to access.	
9 No	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple 6122 - Bla Canopy Species	% Cover 5 25 30 30 10 ack Spruce	Fir Poile Pole Pole Log/Pole Pole Size Class	DBH DBH BBH DBH DBH	93	6.7 Sub-Can Bals Northern A	93 opy Species sam Fir White Cedar Alder	51-80 Density Low Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Sapling Tall Shrub	Isolated lowland with high water and difficult to access.	
9 No	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5	Fir Pole Size Class Pole Pole Pole Log/Pole Pole Size Class Pole	DBH 6 8 8 10 6	93 er Well	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir	51-80 Density Low Low Low 51-80 Density Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable	Size Sapling Sapling Tall Shrub Size Sapling	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce	% Cover 5 25 30 30 10 ack Spruce % Cover 5 80	Fir Pole Size Class Pole Pole Pole Log/Pole Pole Size Class Pole Pole	DBH	93 er Well	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce	51-80 Density Low Low Low 51-80 Density Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole	DBH	93 er Well	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir	51-80 Density Low Low Low 51-80 Density Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable	Size Sapling Sapling Tall Shrub Size Sapling	Isolated lowland with high water and difficult to access.	
9	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce lorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce	% Cover 5 25 30 30 10 ack Spruce % Cover 5 80	Fir Pole Size Class Pole Pole Pole Log/Pole Pole Size Class Pole Pole	DBH	93 er Well	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce	51-80 Density Low Low Low 51-80 Density Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce Iorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce Iorthern White Cedar	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10 5	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pole	DBH	93 er Well 1 Age	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce	51-80 Density Low Low Low 51-80 Density Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce Iorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce Iorthern White Cedar	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10 5	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pole Pole	DBH 6 8 8 10 6 6 6 8 7 7 7 7 7 7 7 7 7	93 er Well 1 Age	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White A	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce	51-80 Density Low Low Low 51-80 Density Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet 5 - 10 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce Iorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce Iorthern White Cedar	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10 5	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pole Pole	DBH 6 8 8 10 6 6 6 8 7 7 7 7 7 7 7 7 7	93 er Well 1 Age	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White A 2.2 Sub-Can	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce	51-80 Density Low Low Low 51-80 Density Low Medium Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet 5 - 10 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Sapling Tall Shrub	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce Iorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce Iorthern White Cedar	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10 5	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pole Pole	DBH 6 8 8 10 6 6 6 8 7 7 7 7 7 7 7 7 7	93 er Well 1 Age	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White A 2.2 Sub-Can Pape	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce Alder	51-80 Density Low Low Low 51-80 Density Low Medium Medium Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet 5 - 10 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Tall Shrub	Isolated lowland with high water and difficult to access.	
9 No.	6124 - Lowla Canopy Species Paper Birch Balsam Fir Black Spruce Iorthern White Cedar Red Maple 6122 - Bla Canopy Species Balsam Fir Black Spruce Iorthern White Cedar	and Spruce % Cover 5 25 30 30 10 ack Spruce % Cover 5 80 10 5	Fir Pole Size Class Pole Pole Log/Pole Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pole Pole	DBH 6 8 8 10 6 6 6 8 7 7 7 7 7 7 7 7 7	93 er Well 1 Age	6.7 Sub-Can Bals Northern A 14.0 Sub-Can Bals White A 2.2 Sub-Can	93 opy Species sam Fir White Cedar Alder 106 opy Species sam Fir e Spruce Alder	51-80 Density Low Low S1-80 Density Low Medium Medium Density Trace	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet 5 - 10 feet	Size Sapling Sapling Tall Shrub Size Sapling Sapling Tall Shrub	Isolated lowland with high water and difficult to access.	



Stan	d Level 4 C	over Type		Size De	nsity	Acres Stand Age I	BA Range	Managed S	ite	General Comments	M/CHIGAN .
12	4134 - Aspe	en, Spruce/	/Fir	Poletimb	er Well	1.8 37	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Quaking Aspen	65	Pole	6	37	Red Maple	Low	Variable	Sapling		
	Balsam Fir	35	Pole	6		Balsam Fir	Medium	Variable	Sapling		
13	4112 - Maple, Asso	, Beech, Ch ociation	nerry	Sawtimb	er Well	6.2 67	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	45	Log	10		Red Maple	Low	Variable	Sapling		
	Sugar Maple	50	Log	12	67	Balsam Fir	Medium	Variable	Sapling		
	Hemlock	5	XLog	18		Hemlock	Low	Variable	Sapling		
14	6120 - Lo	wland Ceda	ar	Poletimb	er Well	53.6 151	111-140	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	10	Pole	7		Balsam Fir	Medium	Variable	Sapling		
	Paper Birch	10	Pole	8		Northern White Cedar	Low	< 5 feet	Sapling		
	Quaking Aspen	5	Log/Pole	12							
	Balsam Fir	10	Pole	6							
	Black Spruce	10	Pole	9							
N	orthern White Cedar	55	Log/XLog	14	151						
15	6128 - Lowland Dec	Coniferous,	, Mixed	Sawtimb	er Well	4.8 92	171-200	N/A		Hemlock stand, with poor birch/red maple.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	10	Pole	6		Sugar Maple	Medium	5 - 10 feet	Sapling		
	Paper Birch	25	Pole/Log	8		Red Maple	Medium	5 - 10 feet	Sapling		
	Hemlock	65	XLog/Log	18	92	Balsam Fir	High	Variable	Sapling		
16	4130	- Aspen		Poletimb	er Well	8.8 31	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	5	Pole	6		Red Maple	High	5 - 10 feet	Sapling		
	Bigtooth Aspen	80	Pole	6	31	Balsam Fir	Low	10 - 20 feet	Sapling		
	Balsam Fir	15	Pole	6			'		1		
17	3301 - Low Densi	ity Deciduo	us Trees	Nonst	ocked	5.4		No			
							D !4	Avg. Height	Size		
						Sub-Canopy Species	Density	Avg. neigiit	Size		
						Sub-Canopy Species Paper Birch	Trace	Avg. neight	Log		
						• • • • • • • • • • • • • • • • • • • •		Avg. neight	1		
					-	Paper Birch	Trace	Avg. neight	Log		



	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments
18	42110 - Plar	nted Red P	rine	Sawtimb	er Well	8.2	65	111-140	N/A		Planted in error by land owner to the North.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	XLog	18		Sug	jar Maple	Full	10 - 20 feet	Sapling	
	White Pine	20	Log	16		Iro	onwood	Low	Variable	Sapling	
	Red Pine	75	XLog/Log	18	65						
19	4130 -	- Aspen		Saplin	g Well	8.6	3 1	Immature	N/A		Scattered residual cedar and hemlock
	Canopy Species		Size Class		l Age						unit 10 of sweet ash TS:41-034-12
	Quaking Aspen	100	Sapling	1	3						TCR: 9/26/17
20	3301 - Low Densit	ty Deciduo	us Trees	Nonst	ocked	1.3			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Re	d Maple	Low		Log	
						Н	emlock	Low		Log	
						E	Beech	Low		Log	
						Pap	per Birch	Trace		Log	
21	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	2.4	85	111-140	N/A		
	Canopy Species	% Cover	Size Class		l Age		nopy Species		Avg. Height	Size	
	Canopy Species Sugar Maple	% Cover		DBH	l Age	Sub-Ca	nopy Species Isam Fir			Size Sapling	
			Size Class	DBH	l Age	Sub-Ca Ba		Density	Avg. Height		
22	Sugar Maple Basswood 6132 - Mixed Lov	85 15	Size Class Log/Pole Log	12	85	Sub-Ca Ba	Isam Fir	Density Medium	Avg. Height Variable	Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
22	Sugar Maple Basswood 6132 - Mixed Lov	85 15 wland Fore	Size Class Log/Pole Log	12 10 Poletimb	85	Sub-Ca Ba Iro 3.4	Isam Fir	Medium Low 111-140	Avg. Height Variable Variable	Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
22	Sugar Maple Basswood 6132 - Mixed Lov	85 15 wland Fore	Size Class Log/Pole Log est with	DBH 12 10 Poletimb	85 er Well	Sub-Ca Ba Iro 3.4 Sub-Ca	Isam Fir pnwood 122	Medium Low 111-140	Avg. Height Variable Variable N/A	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
22	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species	85 15 wland Fore edar % Cover	Size Class Log/Pole Log est with	12	85 er Well	Sub-Ca Ba Iro 3.4 Sub-Ca	lsam Fir onwood 122 nopy Species	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
22	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch	85 15 wland Foreedar % Cover 20	Size Class Log/Pole Log est with Size Class Log/Pole	12	85 er Well	Sub-Ca Ba Iro 3.4 Sub-Ca	lsam Fir onwood 122 nopy Species	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
22	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen	85 15 wland Fore edar % Cover 20 20	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole	12	85 er Well	Sub-Ca Ba Iro 3.4 Sub-Ca	lsam Fir onwood 122 nopy Species	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir	85 15 wland Foreedar % Cover 20 20 10	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole	12	er Well	Sub-Ca Ba Iro 3.4 Sub-Ca	lsam Fir onwood 122 nopy Species	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir Black Spruce	85 15 wland Foreedar % Cover 20 20 10	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole Pole	Poletimb 10 Poletimb 10 7 7	er Well Age 71	Sub-Ca Ba Iro 3.4 Sub-Ca	lsam Fir onwood 122 nopy Species	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity.
	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir Black Spruce rthern White Cedar	85 15 wland Fore edar % Cover 20 20 10 10 25 15	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole Pole Log Pole Pole Log Pole	12	er Well Age 71 122	Sub-Ca Ba Iro 3.4 Sub-Ca	sam Fir nonwood 122 nopy Species Isam Fir	Density Medium Low 111-140 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	Rich diversity very nice stand esthetically. Aspen and birch at maturity. raspberry, grass and ferns
No	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir Black Spruce rthern White Cedar Red Maple	85 15 wland Fore edar % Cover 20 20 10 10 25 15	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole Pole Log Pole Pole Log Pole	12	er Well Age 71 122	Sub-Ca Ba Irc 3.4 Sub-Ca Ba	sam Fir nonwood 122 nopy Species Isam Fir	Medium Low 111-140 Density Low Immature	Avg. Height Variable Variable N/A Avg. Height Variable	Sapling Sapling	
No	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir Black Spruce rthern White Cedar Red Maple	85 15 wland Fore edar % Cover 20 20 10 10 25 15	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole Pole Log Pole Pole Log	12	er Well Age 71 122	Sub-Ca Ba Irc 3.4 Sub-Ca Ba 1.9 Sub-Ca	lsam Fir pnwood 122 nopy Species Isam Fir	Medium Low 111-140 Density Low Immature	Avg. Height Variable Variable N/A Avg. Height Variable	Sapling Sapling Size Sapling	
No	Sugar Maple Basswood 6132 - Mixed Lov Ce Canopy Species Paper Birch Quaking Aspen Balsam Fir Black Spruce rthern White Cedar Red Maple	85 15 wland Fore edar % Cover 20 20 10 10 25 15	Size Class Log/Pole Log est with Size Class Log/Pole Log/Pole Pole Pole Log Pole Pole Log	12	er Well Age 71 122	Sub-Ca Ba Irc 3.4 Sub-Ca Ba 1.9 Sub-Ca Wh	lsam Fir conwood 122 nopy Species Isam Fir nopy Species	Density Medium Low 111-140 Density Low Immature Density	Avg. Height Variable Variable N/A Avg. Height Variable	Sapling Sapling Size Sapling	



Stan	d Level 4 C	over Type	:	Size D	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	MICHIGAN .
24	4130	- Aspen	P	oletiml	ber Well	1.3	35	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Sugar Maple	20	Pole/Sapling	5		Sug	gar Maple	Medium	10 - 20 feet	Sapling		
	Red Maple	10	Pole/Sapling	5		Re	ed Maple	Low	10 - 20 feet	Sapling		
	Quaking Aspen	35	Pole	6	35							
	Bigtooth Aspen	35	Pole	6								
25	3102	2 - Grass		Nonst	ocked	1.0			No			
						Sub-Ca	nopy Species	Density	Avg. Height	Size		
						Whi	te Spruce	Low		Pole		
						Bla	ck Cherry	Low		Sapling		
26	6113 - Lo	wland Mapl	e S	Sawtimb	oer Well	3.9	85	81-110	N/A		Sweet ash TS:41-034-12TCR: 9/26/17	
	Canopy Species	% Cover	Size Class	DBI	H Age							
	Bigtooth Aspen	5	Pole	6								
	Balsam Fir	15	Pole/Log	8	85							
	White Spruce	10	Pole	7								
	Sugar Maple	50	Log	12	85							
	Red Maple	20	Log	12								
27	4130	- Aspen	Р	oletim	ber Well	19.7	36	51-80	N/A		Small pockets of larger fir	
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Sugar Maple	15	Pole	5		Suç	gar Maple	Medium	5 - 10 feet	Sapling		
	Quaking Aspen	50	Pole	6	36	Re	ed Maple	Medium	5 - 10 feet	Sapling		
	Bigtooth Aspen	25	Pole	6		Ва	ılsam Fir	Low	5 - 10 feet	Sapling		
	Balsam Fir	10	Pole	5								
28	6112 - Lo	wland Aspe	en P	oletiml	ber Well	18.8	35	81-110	N/A		Consider harvesting in 10 years(2030).	
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	75	Pole	7	35	Suç	gar Maple	Low	10 - 20 feet	Sapling		
	Balsam Fir	25	Pole	7		Ва	ılsam Fir	Medium	10 - 20 feet	Sapling		
		'			'	Bla	ck Cherry	Low	5 - 10 feet	Sapling		
29	3302 - Low Dei	nsity Conife	r Trees	Nonst	ocked	1.2			No			
						Sub-Ca	nopy Species	Density	Avg. Height	Size		
						Whi	te Spruce	Medium		Pole		
						Ва	ılsam Fir	Medium		Pole		



Stand	d Level 4 C	over Type		Size De	nsity	Acres Stand Age	BA Range	Managed S	iite	General Comments
30	6128 - Lowland (Dec	Coniferous, iduous	Mixed	Poletimb	er Well	6.2 77	111-140	N/A		Hardwood along edge, very wet.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole	8		Red Maple	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling	
	Bigtooth Aspen	15	Log	10		Black Spruce	Medium	5 - 10 feet	Sapling	
	Balsam Fir	10	Pole	6		Tamarack	Low	5 - 10 feet	Sapling	
	Black Spruce	25	Pole	6						
No	orthern White Cedar	35	Log/Pole	12	77					
31	622 - Low	vland Shrub)	Nonsto	cked	5.1 0	Jnspecified	613 - Lowland Mi	xed Forest	Sweet ash TS: 41-034-12 TCR: 9/26/17
						Sub-Canopy Species	Density	Avg. Height	Size	1 CR. 9/20/17
						Tamarack	Low	< 5 feet	Seeding	
						Black Spruce	Low	< 5 feet	Seeding	
						Northern White Cedar	Low	>20 feet	Pole	
						Hemlock	Low	>20 feet	Log	
32	4110 - Sugar M	laple Asso	ciation	Sawtimb	er Well	25.5 85	81-110	N/A		Harvested in 2004
	Canopy Species	% Cover	Size Class		Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Log	12	85	Sugar Maple	Medium	< 5 feet	Sapling	
	Red Maple	10	Log	12		Black Cherry	Low	Variable	Sapling	
	•		Log							
	Beech	5	Log	12		•				
	•					,				
33	Beech Hemlock 4112 - Maple,	5 5	Log Log	12	er Well	5.2 85	81-110	N/A	1	
33	Beech Hemlock 4112 - Maple,	5 5 Beech, Chociation	Log Log	12 12 Poletimb	er Well			N/A	Size]
33	Beech Hemlock 4112 - Maple, Asso	5 5 Beech, Chociation	Log Log nerry	12 12 Poletimb		5.2 85			Size Sapling	
33	Beech Hemlock 4112 - Maple, Asso Canopy Species	5 5 Beech, Chociation	Log Log erry Size Class	12 12 Poletimb	Age	5.2 85 Sub-Canopy Species	S Density	Avg. Height		
33	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple	5 5 Beech, Chociation % Cover	Log Log erry Size Class	12 12 Poletimb DBH	Age	5.2 85 Sub-Canopy Species Sugar Maple	Density Medium	Avg. Height Variable	Sapling	
	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple	5 5 Beech, Crociation % Cover 65 15	Log Log Berry Size Class Log Pole	12 12 Poletimb DBH 10 8	Age	5.2 85 Sub-Canopy Species Sugar Maple Red Maple	S Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	
	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Paper Birch	5 5 Beech, Crociation **Cover 65 15 5	Log Log Berry Size Class Log Pole Pole	12 12 Poletimb DBH 10 8 8	Age	5.2 85 Sub-Canopy Species Sugar Maple Red Maple	S Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	
	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Paper Birch orthern White Cedar Hemlock 4112 - Maple,	5 5 Beech, Chociation % Cover 65 15 5 8 7	Log Log Log Berry Size Class Log Pole Pole Pole Pole Pole	12 12 12	Age 85 er Well	5.2 85 Sub-Canopy Species Sugar Maple Red Maple	S Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	cut in 2017Nice mix of hrd/soft wood fir is reaching maturity.
No	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Paper Birch orthern White Cedar Hemlock 4112 - Maple, Asso Canopy Species	Beech, Chociation **Cover 65 15 5 8 7 Beech, Chociation **Cover 65 Cover	Log Log Log Berry Size Class Log Pole Pole Pole Pole Pole	12 12 Poletimb 10 8 8 8 8 8	Age 85	5.2 85 Sub-Canopy Species Sugar Maple Red Maple Balsam Fir 10.2 67 Sub-Canopy Species	Medium Medium Low 81-110	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	cut in 2017Nice mix of hrd/soft wood fir is reaching maturity.
No	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Paper Birch orthern White Cedar Hemlock 4112 - Maple, Asso Canopy Species Red Maple	Beech, Crociation Cover 65 15 5 8 7 Beech, Crociation Cover 20	Log Log Log Derry Size Class Log Pole Pole Pole Pole Pole Pole	12 12 12	Age 85 er Well	5.2 85 Sub-Canopy Species Sugar Maple Red Maple Balsam Fir	Medium Medium Low 81-110	Avg. Height Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Sapling	cut in 2017Nice mix of hrd/soft wood fir is reaching maturity.
No	Beech Hemlock 4112 - Maple, Asso Canopy Species Sugar Maple Red Maple Paper Birch orthern White Cedar Hemlock 4112 - Maple, Asso Canopy Species	Beech, Chociation **Cover 65 15 5 8 7 Beech, Chociation **Cover 65 Cover	Log Log Berry Size Class Log Pole Pole Pole Pole Pole Size Class	12 12 Poletimb 10 8 8 8 8 8	Age 85 er Well	5.2 85 Sub-Canopy Species Sugar Maple Red Maple Balsam Fir 10.2 67 Sub-Canopy Species	Medium Medium Low 81-110 Density	Avg. Height Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling	cut in 2017Nice mix of hrd/soft wood fir is reaching maturity.



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
35	4119 - Mixed No	rthern Hard	dwoods	Sawtimb	er Well	7.8	85	81-110	N/A		Small upland pocket of hardwood.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	25	Log	12		Sug	gar Maple	Low	Variable	Sapling	
	Red Maple	45	Log	12	85	Re	ed Maple	Low	Variable	Sapling	
	Balsam Fir	10	Pole	6		Ва	ılsam Fir	Low	Variable	Sapling	
	White Spruce	10	Pole	6		WI	hite Pine	Low	Variable	Sapling	
Nor	thern White Cedar	10	Log	10							
36	6120 - Lov	vland Ceda	ar	Poletimb	er Well	11.3	90	81-110	N/A		Low quality wet site, cedar is decent.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	20	Pole	6		Ва	ılsam Fir	Low	Variable	Sapling	
	Black Spruce	10	Pole	5			Alder	Medium	Variable	Tall Shrub	
Nor	thern White Cedar	60	Log	10	90						•
	Black Ash	10	Pole	5							
37	6117 - Lowland I Coni	Deciduous, ferous	Mixed	Sapling	Well	5.5	27	1-50	N/A		Clear cut in 1993.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	40	Sapling	3	27	Ва	ılsam Fir	Low	< 5 feet	Sapling	
	Quaking Aspen	30	Sapling	3							
	Balsam Fir	25	Sapling	3							
	Black Cherry	5	Sapling	3							
38	6229 - Mixed	lowland sh	nrub	Nonsto	cked	5.2	0 ι	Unspecified	6120 - Lowlan	d Cedar	occasional seeding seen poking out of the snow, will need a few more years to see any substantial amounts of regen.
39	6112 - Lov	vland Aspe	n	Sapling	Poor	29.3	3	Immature	N/A		Sweet ash TS:41-034-12TCR: 9/26/17
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	65	Sapling	1	3		ed Maple	Low	< 5 feet	Sapling	
	Red Maple	20	Sapling	1		Quak	king Aspen	Medium	5 - 10 feet	Sapling	
	Black Cherry	15	Sapling	1		Blad	ck Cherry	Low	< 5 feet	Sapling	
40		duous		Poletimb		2.8	85	81-110	N/A		Corporate land north just clear cut, similar spp. comp. Stand area blends into neighboring stands. Has creek in it as well.
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	
	Paper Birch	20	Pole	5	L	Ва	ılsam Fir	Low	Variable	Sapling	
	White Spruce	35	Pole/Log		0.5						
Nor	thern White Cedar	45	Log	10	85						

7 - Stands Compartment: 9
Year of Entry: 2022

DNR DICHIGAN

Stand	Level 4 Co	over Type	\$	Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
41	6112 - Lov	vland Aspe	n Pol	etimbe	r Medium	n 4.9	37	51-80	N/A		Cut in 1983, aspen is coming in strong in most places.
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Bi	igtooth Aspen	70	Pole	7	37	Bigto	oth Aspen	Low	Variable	Sapling	
	Balsam Fir	5	Pole	6		Ва	sam Fir	Low	Variable	Sapling	
V	Vhite Spruce	25	Pole	5		Whit	e Spruce	Low	Variable	Sapling	
				·		As	h (spp.)	Medium	10 - 20 feet	Sapling	
42	4130 -	- Aspen	P	oletimb	er Well	4.1	37	51-80	N/A		
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole	7		Re	d Maple	Low	10 - 20 feet	Pole	
Q	uaking Aspen	20	Pole	7		Ва	sam Fir	Medium	>20 feet	Pole	
Bi	igtooth Aspen	70	Log	10	37	Blac	k Spruce	Low	>20 feet	Pole	
	Balsam Fir	5	Pole/Sapling	6				'		1	
43	3301 - Low Densit	ly Deciduo	u3 11003	Nonst	CREC	6.4 Sub-Car	nopy Species	Density	No Avg. Height	Size	1
									Avg. Height		
							ing Aspen	Low		Sapling	
							d Maple	Low		Sapling	
						Blad	k Cherry	Low		Sapling	
44	6120 - Lov	vland Ceda	ar S	awtimb	er Well	5.7	85	111-140	N/A		
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
,	Yellow Birch	5	Log/XLog	16		Re	d Maple	Low	Variable	Sapling	
	Balsam Fir	5	Pole/Log	8		Ва	sam Fir	Medium	Variable	Sapling	
	White Spruce	15	Pole/Log	8							
North	nern White Cedar	65	Log	12	85						
	Hemlock	10	Log	14							
45	6128 - Lowland (Deci	Coniferous, duous	Mixed S	awtimb	er Well	18.1	85	141-170	N/A		Thick b. fir in 6inch class, large old aspen, lots of p. birch and cedar scatered
C	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Pole	7		Re	d Maple	Full	5 - 10 feet	Sapling	
Q	uaking Aspen	25	Log	12		Ва	sam Fir	Low	5 - 10 feet	Sapling	
	Balsam Fir	20	Pole	7							-
Е	Black Spruce	15	Pole	6							
				_							
North	nern White Cedar	25	Log	10	85						



Stan	d Level 4 Co	over Type		Size Der	sity	Acres	Stand Age B	BA Range	Managed S	ite	General C	omments	
46	4130 -	- Aspen		Poletimbe	r Well	30.6	37	51-80	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Quaking Aspen	97	Pole/Saplir	ng 7	37	Sug	ar Maple	Low	5 - 10 feet	Sapling			
	Black Cherry	3	Pole	7		Re	d Maple	Low	5 - 10 feet	Sapling			
		1		1 1		Ва	lsam Fir	Low	5 - 10 feet	Sapling			
47	6117 - Lowland [Conit	Deciduous, ferous	Mixed	Poletimbe	r Well	5.6	25	1-50	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Red Maple	35	Pole	6	25	Bigto	oth Aspen	Low	10 - 20 feet	Sapling			
	Paper Birch	15	Pole	6		Blad	k Cherry	Low	10 - 20 feet	Sapling			
	Bigtooth Aspen	20	Pole	6	25								
	Balsam Fir	15	Pole	6									
	Black Spruce	15	Pole	6									
48	6112 - Low	vland Aspe	n S	Sawtimber	Mediur	n 15.1	67	81-110	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Red Maple	5	Pole	6		Re	d Maple	Low	5 - 10 feet	Sapling			
	Paper Birch	30	Log/Pole			Ва	lsam Fir	Full	5 - 10 feet	Sapling			
	Quaking Aspen	50	Log	12	67	Blac	k Spruce	Full	5 - 10 feet	Sapling			
	Black Spruce	15	Pole	6									
49	4130 -	- Aspen		Poletimbe	r Well	55.4	36	51-80	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Red Maple	20	Pole	7			Isam Fir	Low	5 - 10 feet	Sapling			
	Paper Birch	5	Pole	7		Blac	k Spruce	Low	< 5 feet	Sapling			
	Quaking Aspen	65	Pole	6	36	Blad	k Cherry	Full	10 - 20 feet	Sapling			
	Black Spruce	5	Pole	6									
	Black Cherry	5	Pole	6									
50	6120 - Low	vland Ceda	ar	Sawtimbe	r Well	4.8	85	111-140	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Yellow Birch	5	Log/XLog	16		Re	d Maple	Low	Variable	Sapling			
	Balsam Fir	5	Pole/Log	8		Ва	Isam Fir	Medium	Variable	Sapling			
	White Spruce	15	Pole/Log										
		0.5			0 =								
No	orthern White Cedar	65	Log	12	85								



Stand	Level 4 C	over Type		Size Density	/ Acre	s Stand Age	BA Range	Managed S	Site	General Comments	MICHIGAN
51	3301 - Low Densi	ity Deciduo	us Trees	Nonstocked	1 2.9			No			
					Sub-	Canopy Specie	es Density	Avg. Height	Size		
					Qı	uaking Aspen	Low		Pole		
						Red Maple	Low		Pole		
					Е	Black Cherry	Low		Pole		
52	6121 -	Tamarack	ı	Poletimber W	ell 4.7	37	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Specie	es Density	Avg. Height	Size		
	Quaking Aspen	10	Pole	6	Е	Black Cherry	Low	Variable	Sapling		
	White Spruce	20	Pole	6		Alder	Low	Variable	Tall Shrub		
	Tamarack	70	Pole	5 37			·				
53	4110 - Sugar N			Sawtimber W			111-140	N/A		Beech bark disease was/is present.	
	Canopy Species		Size Class	DBH Age		Canopy Specie	es Density	Avg. Height	Size		
	Sugar Maple	85	Log/Pole	12 85		Sugar Maple	Full	5 - 10 feet	Sapling		
	Red Maple	5	Pole/Log	10		Red Maple	Low	5 - 10 feet	Sapling		
	Beech	10	Log/XLog	14		Beech	High	5 - 10 feet	Sapling		
						Balsam Fir	Low	10 - 20 feet	Sapling		
						Ironwood	Low	5 - 10 feet	Sapling		
54	6123 - L	owland Fir	I	Poletimber W	ell 10.0	37	Unspecified	N/A		Just a mix of species.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Specie	es Density	Avg. Height	Size		
	Sugar Maple	5	Pole/Log	8	S	Sugar Maple	Medium	Variable	Sapling		
	American Elm	5	Pole/Log	5		Red Maple	Medium	Variable	Sapling		
	Red Maple	5	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling		
	Paper Birch	20	Pole/Log	8							
	Quaking Aspen	5	Pole/Log	10							
	Balsam Fir	50	Pole/Log	8 37							
No	rthern White Cedar	10	Pole/Log	8							
55	4110 - Sugar N	/laple Asso	ciation	Sawtimber W	ell 4.5	85	111-140	N/A			
	Canopy Species		Size Class	DBH Age	_						
	Sugar Maple	75	Log	12 85							
	Red Maple	20	Log	10							
	Basswood	5	Log	10							





Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age E	A Range	Managed S	ite	General Comments
56	4112 - Maple, Asso	Beech, Ch ociation	nerry	Sawtimber Well	72.1	85	81-110	N/A		Variable terrain with portions have high water table.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	15	Log	10	Su	gar Maple	Full	10 - 20 feet	Sapling	
	Red Maple	75	Log	12 85	Re	ed Maple	Full	10 - 20 feet	Sapling	
	Beech	5	Log	12		Beech	Full	10 - 20 feet	Sapling	
	Hemlock	5	Log	10						
57	4110 - Sugar M	laple Asso	ciation	Sawtimber Well	58.9	85	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Log	12 85	Su	gar Maple	Full	10 - 20 feet	Sapling	
	Beech	5	Log	14		Beech	Full	10 - 20 feet	Sapling	
	Black Cherry	5	Log	12						
	Red Maple	10	Log	12						
58	6123 - L	owland Fir		Sapling Well	2.2	16	1-50	N/A		Clear cut with cedar reserves, Cut in 2004. 101 age is from residual cedar.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	cedal.
	Balsam Fir	80	Sapling/Po	le 4 16	Ba	alsam Fir	Medium	Variable	Sapling	
No	rthern White Cedar	20	Sapling	4						
59	4112 - Maple, Asso	Beech, Ch	nerry	Sawtimber Well	25.7	85	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Sugar Maple	40	Log	10	Re	ed Maple	Low	Variable	Sapling	
	Red Maple	50	Log	10 85		Beech	Low	Variable	Sapling	
	Beech	10	Log	10	Ва	alsam Fir	Low	Variable	Sapling	
61	500 -	- Water		Nonstocked	7.3	0 U	nspecified	No		
62	4110 - Sugar M	•		Sawtimber Well	18.1	93	81-110	N/A		unit 6 of Sweet ash TS: 41-034-12 TCR 9/26/17
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	10K 3/20/1/
	Sugar Maple	80	Log	12 93	Re	ed Maple	Low	5 - 10 feet	Sapling	
	Red Maple	10	Log/Pole	10	Ir	ronwood	Low	5 - 10 feet	Sapling	
	Yellow Birch	2	Pole	8						
	Beech	5	Log	16						
	Paper Birch	3	Pole	8						



Stand	Level 4 Cover Type				Size Density		Stand Age E	BA Range	Managed Site		General Comments	
63	4110 - Sugar N	Maple Association		Sawtimb	er Well	21.2	93	51-80	N/A		Split off of stand 1. This unit was cut hard in 1997 and has phenomenal	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regen, the BA was lower, around 70BA in 2000 and was treated with a very lite thinning in 2017 to release some of the regen.	
	Sugar Maple	80	Log	12	93	Re	ed Maple	Low	10 - 20 feet	Sapling	unit 6 of Sweet ash TS: 41-034-12	
	Red Maple	10	Log/Pole	10		Ir	onwood	Low	10 - 20 feet	Sapling	TCR 9/26/17	
	Yellow Birch	2	Pole	8		Suç	gar Maple	Full	10 - 20 feet	Sapling		
	Beech	5	Log	16				'			-	
	Paper Birch	3	Pole	8								
64	6115 - Lo	owland Ash		Poletimb	er Well	2.2	45	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Ash	100	Pole	5	45	Re	ed Maple	Low	Variable	Sapling		
				,		ВІ	lack Ash	Low	5 - 10 feet	Sapling		