

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41184
Entry Year 2027
Acreage: 833
County: Alger

Management Area: Grand Marais Moraine Complex

Stand Examiner: Matt Manders

Legal Description:

T46N R17W Sections 4-6

Identified Planning Goals:

The main goal in this compartment is to conduct multiple resource management for current and future generations.

Soil and topography:

The topography in this compartment is flat to rolling with low areas. The main soils in the compartment are; Escanaba-Greylock Complex with good drainage and fair to good natural fertility, Munising Loam with good drainage and moderate natural fertility and Carbondale Peat with fair drainage and fair to good natural fertility. The entire compartment lies within the Munising Moraine Land Type Association.

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

The area has broken ownership of State and private properties. Section 6 is separated from the main part of the compartment by private ownership and H-15.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory (MNFI).

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

The SE1/4NW1/4 of section 6, the SE1/4 of section 5 and the bottom part of the SW1/4 in section 4 are designated as deer yard areas. Treatments that will be conducted around any water areas and lowland conifers will follow all BMP regulations and those concerns addressed from other divisions.

Watershed and Fisheries Considerations:

No comments from Fisheries.

Wildlife Habitat Considerations:

This compartment lies five miles north of Shingleton and sits on the northern edge of the Petrel Deer Yard. General Land Office survey notes indicate sugar maple, yellow birch, hemlock, balsam fir, and elm dominated the uplands during presettlement times. Ironwood, beech and red maple were recorded as minor components of the forest. Lowlands contained a mix of cedar, spruce, tamarack, and a minor component of elm, red maple, and black ash. Although all the species recorded in the original survey still occur, sugar maple appears to be more dominant in today's upland than circa 1850. Black cherry also appears to be more prevalent than in pre-settlement times. Lowland conifer stands appear to be fairly similar to those recorded by GLO surveyors. The cedar and swamp conifer stands (17, 18, 19, and 21) are part of a larger systematic management plan for the Petrel Deer Yard. They will be held back from treatment until dictated by that plan. Featured species in this compartment are American marten, moose, bear, gray jay, northern goshawk, ruffed grouse, and white-tailed deer. The wildlife habitat objectives for the northern hardwoods consist of enhancing the species and structural diversity between and within stands.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of end moraine of medium-textured till and peat and muck. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien (PdC) Formation subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is three miles to the south and there should be good potential. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access to the compartment is good with use of H-15 and H-58. There is also a good forest road system through out the compartment from past timber activities.

Survey Needs:

None.

Recreational Facilities and Opportunities:

This compartment is used regularly by hunters. There is also a good amount of traffic on the two main roads. There is fishing potential in the Humphrey Ponds. Snowmobile trail #8 goes through the compartment in section 5 and 4. This is the only trail out of Shingleton for access to the north.

Fire Protection:

Fire response to the area will be good. The Shingleton station is about 4 miles from the compartment via H-15. The current road system is good enough for fire operations; however the timber types present are not of high fire potential. Urban interface problems could occur with those homes or cabins around the compartment, however the majority of the timber is northern hardwoods.

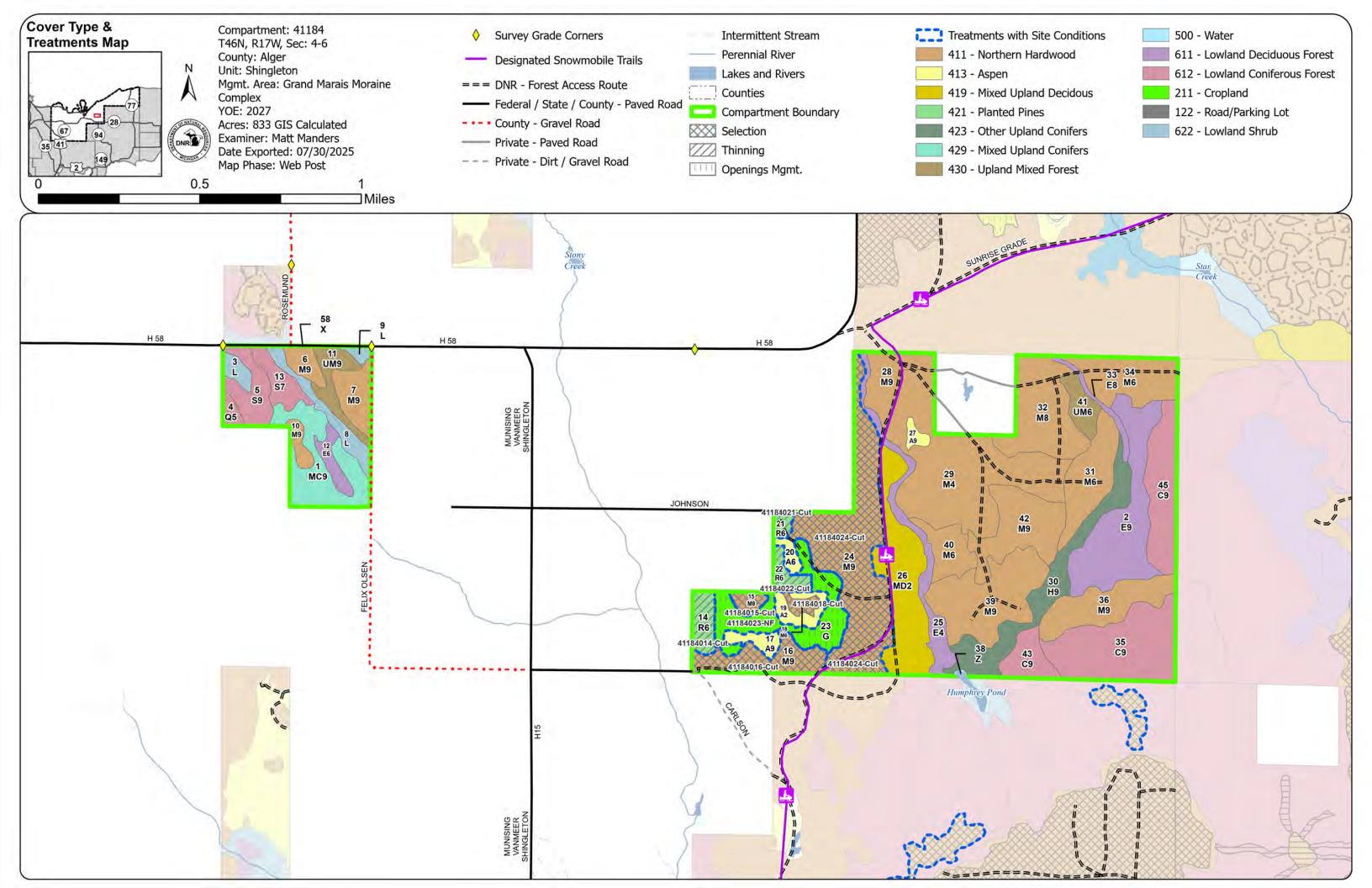
Additional Compartment Information:

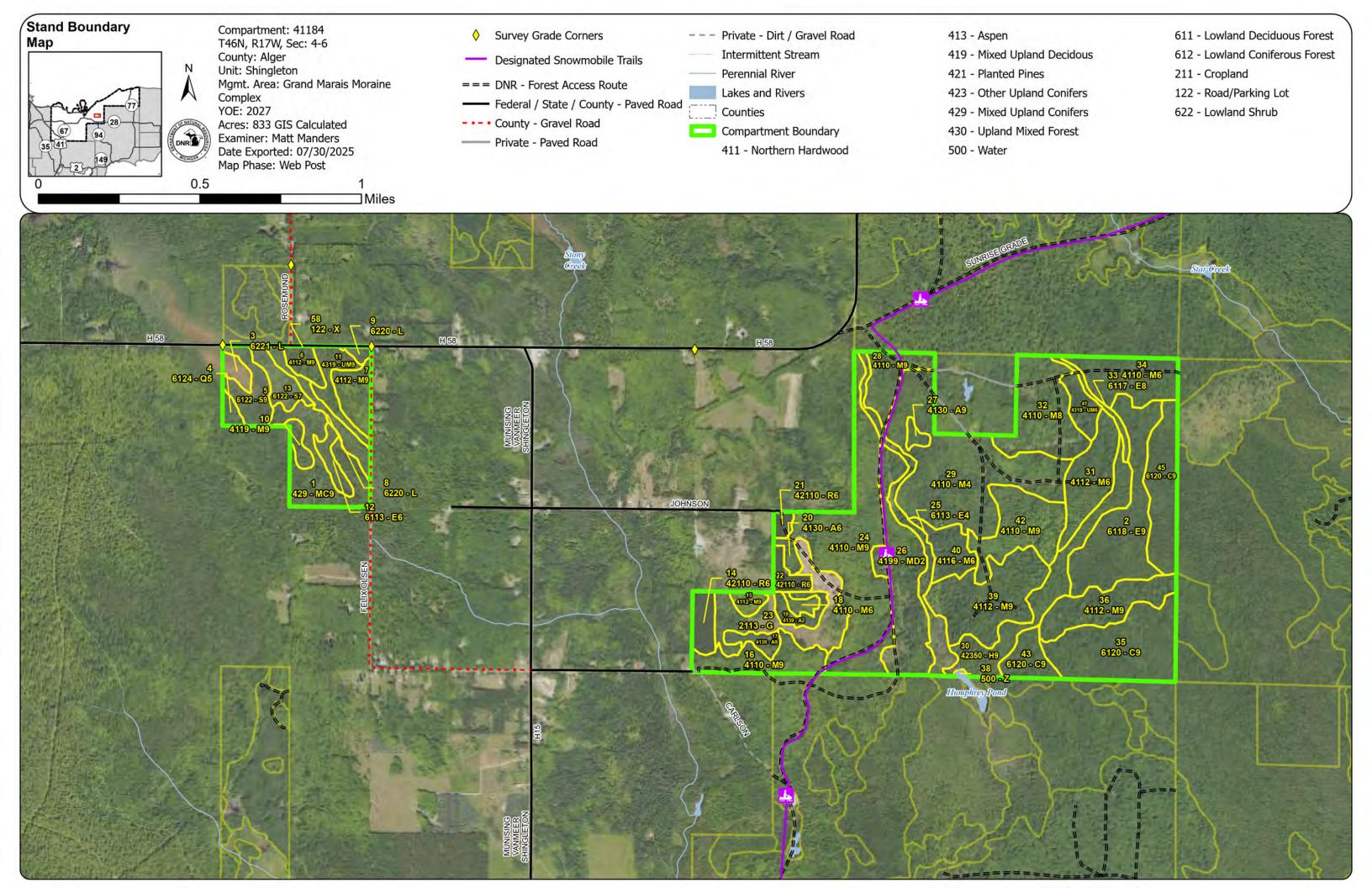
The following reports from the Inventory are attached:

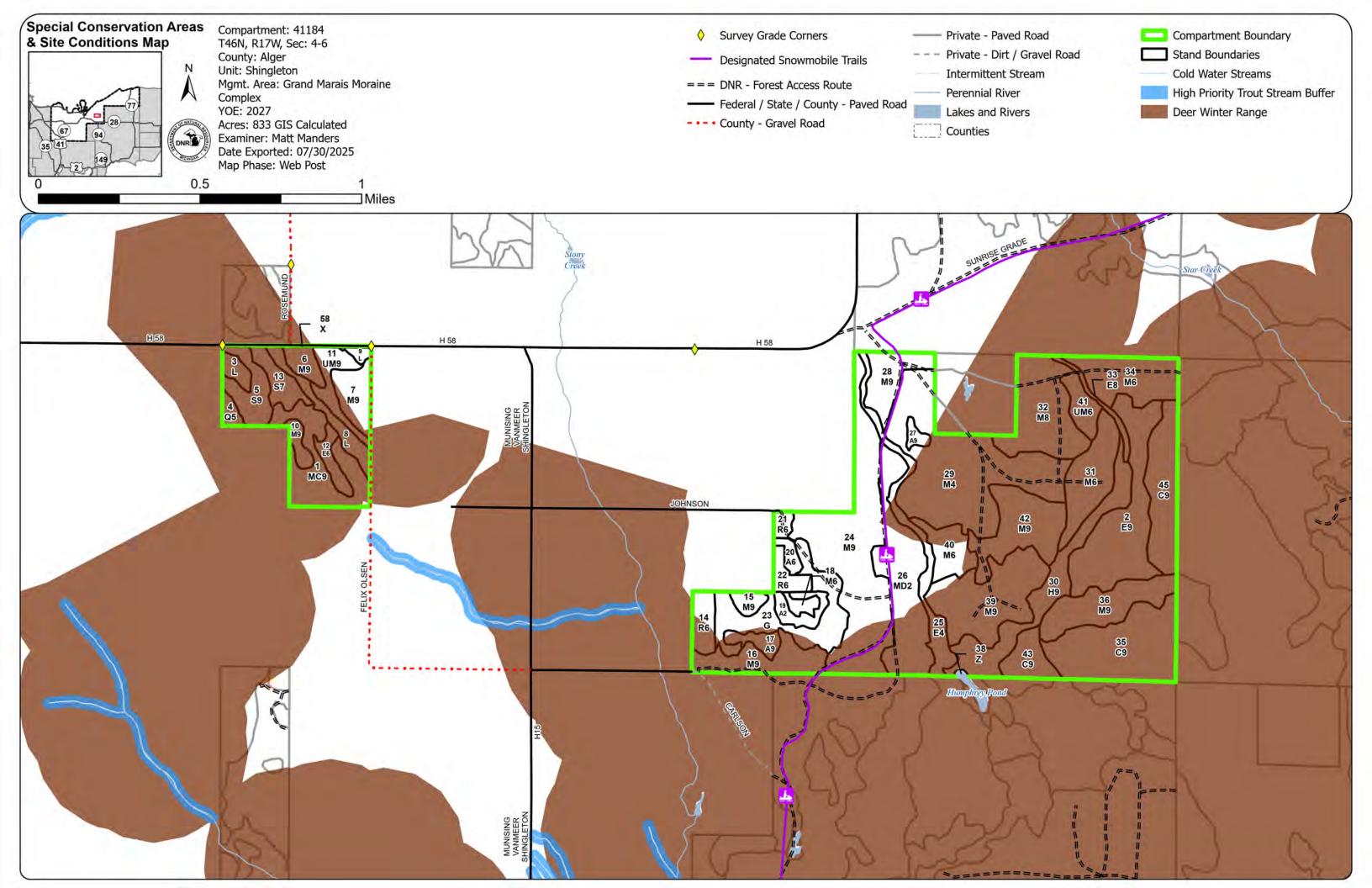
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Shingleton Mgt. Unit

Matt Manders: Examiner

Compartment 184 Year of Entry 2027



Age Class

	/ .8	A STATE OF THE PARTY OF THE PAR	§ \ \s	2 / E	fr / g	3 / 6	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,	/ 3 ⁸ / [§]	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\$ \s	7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	R S			\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N. N
Aspen	0	0	0	0	12	6	0	0	0	0	0	0	0	0	0	0	0		18
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	89
Cropland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Lowland Deciduous	0	0	0	0	6	0	49	0	20	0	0	0	0	0	0	0	0	4	79
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Mixed Upland Deciduous	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Northern Hardwood	0	0	0	0	0	0	0	4	12	0	0	0	0	0	0	0	0	411	427
Red Pine	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	50	0	0	0	70	15	49	4	32	0	3	0	0	0	0	0	0	611	833



Report 2 – Treatment Summary

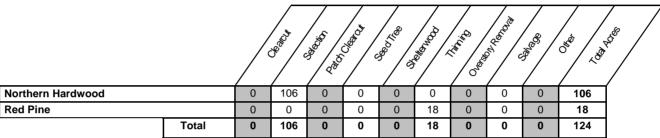
Shingleton Mgt. Unit Year of Entry: 2027

Acres of Harvest

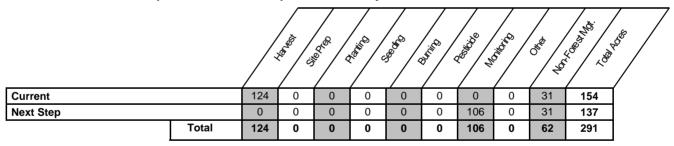
Compartment 184
Total Compartment Acres: 833

Commercial Harvest - 6
Harvests with Site Condition - 222
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



t		omigicio	n Mgt. Unit		Repor	rt 3	Treatments		Compartmer Year of Entr		DEPARTMEN
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	,
	<u>d Treatmen</u>										
14	41184014-Cut	8.6	42110 - Planted Red Pine	6	37	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	
Preso Spec		ve 1/3 of th	ne the BA by cutting	every 3rd	ow.						
	Step tments:										
Acce Rege	<u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Site (Condition: Sur	vey Neede	ed								
Prop	osed Start Date	<u>:</u> 10/01/2	026								
15	41184015-Cut	4.0	4112 - Maple, Beech, Cherry Association	9	90	51-80	Harvest	Selection	411 - Northern Hardwood	Current	
Acce Rege Other	tments: ptable any no en:		ral Regen (Re-Inver	ilory)							
Site (Condition: Sur	vey Need	ed								
Propo	osed Start Date	<u>:</u> 10/01/2	026								
16	41184016-Cut	20.3	4110 - Sugar Maple Association	9	90	51-80	Harvest	Selection	411 - Northern Hardwood	Current	
Preso Spec			rstory to release ad	lvanced reg	en. Bas	al area is	variable but ma	rk to an average o	of 60-80. Cut all Me	erchantable E	Balsaı
	<u>Step</u> Monito tments:	ring, Natu	ral Regen (Re-Inver	ntory)							
Acce Rege	<u>ptable</u> any no en:	rthern har	dwood species								
Othe Com	<u>r</u> ment:										
Site (Condition: Sur	vey Need	ed								
	osed Start Date	10/01/2	026								
Propo	occa Clart Date										

Prescription Prescribed fire, farming (dozing, disking, raking, seeding, (native or naturalized species only), fertilizing, and liming), chainsaw removal of

competing trees and establishment of native hard and soft mast producers such as red oak, mountain ash or other Specs:

Next Step NonForestMgt, Mowing **Treatments:**

Acceptable

Regen:

Other W41-1505

Comment:

Site Condition: Survey Needed Proposed Start Date: 10/01/2016

Shingleton Mgt. Unit Report 3 -- Treatments Compartment: 41184 S Year of Entry: 2027 t а **Treatment** Size Stand ВА **Treatment Treatment Cover Type** Acres Stand Age Habitat n Method Objective Structure Name CoverType Density Range Age Type Cut d 41184024-Cut 78.4 4110 - Sugar Maple 81-110 Harvest Selection 411 - Northern Current No Association Hardwood Prescription Mark current overstory to release advanced regen. Basal area is variable but mark to an average of 60-80. Cut all Merchantable Balsam fir and Spruce. Sale should contain snowmobile protection specification. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable any northern hardwood species Regen: <u>Other</u> Comment:

Total Treatment 154.4 Acreage Proposed:

<u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026

Report 4 - Site Conditions

Shingleton Mgt. Unit
Matt Manders: Examiner

Compartment: 184
Year of Entry: 2027



Availability for Management

Total	Acres	Acres Avail	Acres		Domina	nt Sit	e Con	ditions
Acres	Available	With Condition	Not Available		21	2G	3Н	3J
18	18	0	0	Aspen				
89	0	0	89	Cedar			89	
31	0	31	0	Cropland	31			
35	0	0	35	Hemlock			35	
3	3	0	0	Lowland Conifers				
78	6	0	72	Lowland Deciduous			49	24
17	17	0	0	Lowland Shrub				
23	9	0	14	Lowland Spruce/Fir		14		
43	43	0	0	Mixed Upland Deciduous				
410	299	103	9	Northern Hardwood	103	9		
18	0	18	0	Red Pine	18			
30	30	0	0	Upland Conifers				
19	9	0	11	Upland Mixed Forest				11
1	1	0	0	Urban				
0	1	0	0	Water				
816	436	151	228	Total Forested Acres	151	22	172	34
	53%	19%	28%	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.

Unavailable	2C: Too wot (concitive					
	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
nments: has been floode	d by drainage from road. Ma	ny of the	spruce trees have died.			
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
ł	has been floode	has been flooded by drainage from road. Ma Unavailable 2G: Too wet (sensitive soils, does not include	has been flooded by drainage from road. Many of the Unavailable 2G: Too wet (sensitive 9 soils, does not include	has been flooded by drainage from road. Many of the spruce trees have died. Unavailable 2G: Too wet (sensitive 9 Unspecified soils, does not include	has been flooded by drainage from road. Many of the spruce trees have died. Unavailable 2G: Too wet (sensitive 9 Unspecified Unspecified soils, does not include	has been flooded by drainage from road. Many of the spruce trees have died. Unavailable 2G: Too wet (sensitive 9 Unspecified Unspecified Unspecified soils, does not include

Report 4 – Site Conditions

Shingleton Mgt. Unit
Matt Manders: Examiner



3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	172	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Available	2l: Survey needed	31	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Available	2I: Survey needed	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit
Matt Manders: Examiner



10	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
11	Available	2I: Survey needed	3	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
12	Available	2I: Survey needed	78	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
13	Available	2I: Survey needed	20	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						

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				

Report 7 – Stands

Compartment: 184

Year of Entry: 2027

DNR MICHIGAN

Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN .
1	429 - Mixed L	Jpland Con	ifers	Sawtimb	er Well	29.6		81-110	N/A		Mixed Red maple stand with many hemlock and white pine. I between wet areas and upland.	Transition
	Canopy Species		Size Class		l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Sources were arous and appared.	
	White Pine	25		18		Re	d Maple	Medium	< 5 feet	< 5 feet		
No	orthern White Cedar	10	Seedling	9		Ва	Isam Fir	Medium	< 5 feet	< 5 feet		
	Hemlock	15		18								
	Balsam Fir	15	Seedling	9								
	Red Maple	30		13	90							
	Paper Birch	5	Seedling	9								
2	6118 - Lowland De	eciduous w	ith Cedar	Sawtimb	er Well	48.6	50	51-80	N/A		Lowland mixed stand with cedar and an array of deciduous tr	rees.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand is large in size and many drainages run tillough.	
	Red Maple	30	Sapling	6	50	Re	d Maple	Medium	10 - 20 feet	10 - 20 feet		
	Black Spruce	20	Seedling	8		Bla	ack Ash	Medium	10 - 20 feet	10 - 20 feet		
No	orthern White Cedar	20		11		Ва	lsam Fir	Medium	5 - 10 feet	5 - 10 feet		
	Black Ash	30	Sapling	5	50	Blac	k Spruce	Medium	5 - 10 feet	5 - 10 feet		
3	6221	I - Fen		Noi	ne	4.2			No		Fen with scattered tamarack.	
						Sub-Ca	nopy Species	Density	Avg. Height	Size		
						Та	marack	Low	5 - 10 feet	5 - 10 feet		
						Blac	k Spruce	Low	< 5 feet	< 5 feet		
4	6124 - Lowla			oletimbe	Medium	3.2	92	81-110	N/A		Black spruce stand. Boggy soil with mixed conifers among sp BMP issues if stand was entered.	pruce.
	Canopy Species		Size Class		l Age						Bivii loodee ii starid was eriterea.	
	White Pine	10		12								
	Black Spruce	30	Seedling									
	Dalassa Fin			7								
	Balsam Fir	30	Seedling	8	92							
	Tamarack	30 30			92							
5	Tamarack		Seedling Seedling	8		13.5	92	51-80	N/A		Black spruce stand that is very wet and boggy. Spruce is alm	nost
5	Tamarack	30 ack Spruce	Seedling Seedling	8 8 Sawtimb			92 nopy Species	51-80 Density	N/A Avg. Height	Size	Black spruce stand that is very wet and boggy. Spruce is alm submerged in water lots of snags due to flooding.	nost
5	Tamarack 6122 - Bl	30 ack Spruce	Seedling Seedling	8 8 Sawtimb	er Well	Sub-Ca						nost
5	Tamarack 6122 - Bl Canopy Species	30 ack Spruce	Seedling Seedling	8 8 Sawtimb	er Well	Sub-Ca	nopy Species	Density	Avg. Height	Size		nost
5	Tamarack 6122 - Bl Canopy Species White Pine	30 ack Spruce % Cover	Seedling Seedling	8 8 8 Sawtimb DBH 19	er Well	Sub-Ca	nopy Species d Maple	Density Medium	Avg. Height 5 - 10 feet	Size 5 - 10 feet		nost
5	Tamarack 6122 - Bl Canopy Species White Pine Tamarack	30 ack Spruce % Cover 10 40 50	Seedling Seedling Size Class	8 8 Sawtimb DBH 19 10	er Well I Age	Sub-Ca	nopy Species d Maple marack	Density Medium	Avg. Height 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet		nost
	Tamarack 6122 - Bl Canopy Species White Pine Tamarack Black Spruce	30 ack Spruce % Cover 10 40 50 h, Cherry A	Seedling Seedling Size Class	8 8 Sawtimb DBH 19 10 10 Sawtimb	er Well I Age	Sub-Ca Re Ta	nopy Species d Maple marack	Density Medium Medium	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	submerged in water lots of snags due to flooding.	nost
	Tamarack 6122 - Bl Canopy Species White Pine Tamarack Black Spruce 4112 - Maple, Beec	30 ack Spruce % Cover 10 40 50 h, Cherry A	Seedling Seedling Size Class	8 8 Sawtimb DBH 19 10 10 Sawtimb	er Well 1 Age 92 er Well	Sub-Cal Re Ta 6.2 Sub-Cal	nopy Species d Maple marack	Density Medium Medium 81-110	Avg. Height 5 - 10 feet 5 - 10 feet N/A	Size 5 - 10 feet 5 - 10 feet	submerged in water lots of snags due to flooding.	nost
	Tamarack 6122 - Bl Canopy Species White Pine Tamarack Black Spruce 4112 - Maple, Beec Canopy Species	30 ack Spruce % Cover 10 40 50 h, Cherry A	Seedling Seedling Size Class	Sawtimb DBH 19 10 10 Sawtimb	er Well 1 Age 92 er Well	Sub-Cal Re Ta 6.2 Sub-Cal	nopy Species d Maple marack 90 nopy Species	Density Medium Medium 81-110 Density	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height	Size 5 - 10 feet 5 - 10 feet Size	submerged in water lots of snags due to flooding.	nost

Report 7 - Stands



Stand	d Level 4 C	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	ite	General Comments
7	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimber Well	12.3	75	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH Age						
	Hemlock	10		12						
	Sugar Maple	20	Seedling	9						
	Red Maple	70		10 75						
8	6220 - A	Alder/Willow		None	10.6			No		Drainage of Tag alder, very wet.
					Sub-Ca	nopy Species	s Density	Avg. Height	Size	
					Т	ag Alder	Full	5 - 10 feet	5 - 10 feet	
9	6220 - A	Alder/Willow		None	1.8			No		Tag alder wetness.
					Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						ag Alder	Full	5 - 10 feet	5 - 10 feet	
10	4119 - Mixed N	orthern Hard	dwoods	Sawtimber Well	4.3	60	51-80	N/A	1	Red maple stand that is poor quality on wetter soils.
	Canopy Species	% Cover	Size Class	DBH Age						
	Balsam Fir	10	Seedling	9						
	Red Maple	75		9 60						
	Paper Birch	10	Seedling	9						
	White Pine	5		16						
11	4319 - Mixed			Sawtimber Well	10.8	75	51-80	N/A		Mixed upland stand, poor quality hardwood with mixed conifer. Wet areas intermixed. BA 60-80.
	Canopy Species		Size Class			nopy Species		Avg. Height	Size	
	Red Maple	55		10 75		ed Maple	Medium	>20 feet	>20 feet	
	White Pine	5		16		llow Birch	Low	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Seedling	7		łemlock	Medium	10 - 20 feet	10 - 20 feet	
	Hemlock	30		12 75	Ba	alsam Fir	Medium	10 - 20 feet	10 - 20 feet	
12	6113 - Lo	wland Mapl	е	Poletimber Well	6.1	30	1-50	N/A	<u>I</u>	Wet cedar with Red maple saplings growing thick. A drainage/ditch runs along the west edge of the stand.
	Canopy Species		Size Class			nopy Species		Avg. Height	Size	Turis along the west edge of the stand.
	Red Maple	75	Sapling	5 30	Т	ag Alder	High	5 - 10 feet	5 - 10 feet	
	Black Ash	10	Log	4						
No	orthern White Cedar	15		10						
13	6122 - B	lack Spruce)	Sawtimber Poor	9.4	92	1-50	N/A	1	Wet spruce bog, flooded to the point where most trees are already dead. Mostly snags.
	Canopy Species		Size Class	•		nopy Species	s Density	Avg. Height	Size	dodd. Modify Shage.
	Black Spruce	60		10 92		ed Maple	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	10		16	Bla	ck Spruce	Low	5 - 10 feet	5 - 10 feet	
	Tamarack	30	Seedling	9						
14	42110 - Pla			Poletimber Well	8.6	37	111-140	N/A		Red pine plantation. Stand looks healthy.
	Canopy Species		Size Class							
	Red Pine	100	Seedling	5 37						



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	A Range	Managed Si	ite	General Comments
15	4112 - Maple, Beed	h, Cherry A	Association	Sawtimb	er Well	4.0	90	51-80	N/A		Timber sale 011-00. Cut in 04. Nice hardwood stand residual is low
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	due to recent harvest.
	Black Cherry	20		14		Red	d Maple	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	80		16	90				'		_
16	4110 - Sugar N	laple Asso	ciation	Sawtimb	er Well	20.3	90	51-80	N/A		Timber sale 011-00. Cut in 04. Nice hardwood stand, regeneration is
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	coming in well.
	Sugar Maple	90		16	90	Suga	ar Maple	High	10 - 20 feet	10 - 20 feet	
	Black Cherry	10		16							_
17	4130	- Aspen		Sawtimb	er Well	5.4	37	1-50	N/A		Stand was clear-cut in 1987. Stand is coming back nicely to Aspen.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	90		10	37	Suga	ar Maple	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10		10				- '	,		_
18	4110 - Sugar N	laple Asso	ciation	Poletimb	er Well	3.1	80	51-80	N/A		Timber Sale 011-00. Cut in 04. poorer quality Maple stand with Black
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	cherry. Pole stand.
	Sugar Maple	95	Seedling	9	80	Suga	ar Maple	Medium	5 - 10 feet	5 - 10 feet	
	Black Cherry	5	Seedling	9							_
19	4139 - Aspen,	Mixed Deci	duous	Sapling I	Medium	7.0	30	Immature	N/A		Hummocky stand of pin cherry along the edge opening. Some areas are fairly open.
	Canopy Species	% Cover	Size Class	DBH	l Age						are rainy open.
	Sugar Maple	25	Sapling	6							
	Black Ash	20	Log	4							
	Quaking Aspen	45	Log	3	30						
	Balsam Fir	10		10							
20	4130	- Aspen		Poletimb	er Well	3.4	40	81-110	N/A		Small Aspen stand with some mixed deciduous trees.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Log	4		Red	d Maple	Low	< 5 feet	< 5 feet	
	Quaking Aspen	90	Sapling	6	40	Quak	ing Aspen	Medium	< 5 feet	< 5 feet	
	Balsam Fir	5	Log	4					,		_
21	42110 - Pla	nted Red P	ine	Poletimb	er Well	3.0	47	81-110	N/A		Red pine plantation. Healthy and looking good.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Pine	100		8	47						
22	42110 - Pla	nted Red P	ine	Poletimb	er Well	6.2	47	111-140	N/A		Red pine plantation. Stand looks good and healthy.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Pine	100		9	47						

Shingleton Mgt. Unit



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age E	BA Range	Managed Si	te	General Comments
23	2113 - Fo	orage Crop	s	None	30.8			Yes		Maintained opening by wildlife. Site is farmed and surrounded by trees
					Sub-Ca	nopy Species	Density	Avg. Height	Size	and scattered within opening.
					Apı	ple (spp.)	Low	5 - 10 feet	5 - 10 feet	W41-1505-Stand Treatments "Johnson Rd":
					Qual	king Aspen	Medium	5 - 10 feet	5 - 10 feet	*Stand cleared and farmed, 2012.
					Pi	n Cherry	Medium	5 - 10 feet	5 - 10 feet	* Perimeter of opening was planted with Red Oak/Apple saplings, May 2016.
										*Re-farmed, planted clover/rye, 2018. *Re-farmed (eastern portion only due to knapweed in west half), planted clover/rye, 2022. *Mowed 2015, 2016, 2017, 2019, 2020, 2021.
24	4110 - Sugar N	/laple Asso	ciation	Sawtimber Well	78.4	90	81-110	N/A		Timber sale 011-00. Cut in 04. Nice hardwood stand, residual trees ¬ are larger in size. Stand itself is boarder line ready to cut again. I
	Canopy Species		Size Class			nopy Species		Avg. Height	Size	suggest waiting another rotation so BA can reach 120.
	Sugar Maple	90		14 90	Suç	gar Maple	High	< 5 feet	< 5 feet	
	Black Cherry	10		12						
25	6113 - Lo	wland Map	le	Poletimber Poor	19.5	70	51-80	N/A		Drainage, seasonally wet.
	Canopy Species	% Cover	Size Class	B DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	80	Seedling	8 70	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	Black Cherry	10	Seedling	8						
	Basswood	10	Seedling	8						
26	4199 - Other Mixe	d Upland D	Deciduous	Sapling Medium	43.3	30	Immature	N/A		Semi-open stand with shrubby trees, grass in open areas.
	Canopy Species	% Cover	Size Class	DBH Age						
	Sugar Maple	10	Log	3						
	Quaking Aspen	30	Log	3						
	Pin Cherry	60	Log	3 30						
27	4130	- Aspen		Sawtimber Well	2.6	40	111-140	N/A		Aspen stand young in age.
	Canopy Species	% Cover	Size Class	DBH Age						
	Quaking Aspen	70		10 40						
	Sugar Maple	30	Seedling	6						
28	4110 - Sugar N	<u>'</u>		Sawtimber Well	15.6	80	51-80	N/A		Timber sale 36-10. Lower quality Sugar maple stand with a mix of cherry and Aspen. Residual BA is between 60 and 80.
	Canopy Species		Size Class			nopy Species		Avg. Height	Size	onony and report. Residual Dr. is between oo and oo.
	Black Cherry	10		9	Suç	gar Maple	High	< 5 feet	< 5 feet	
	Quaking Aspen	10	Seedling							
	Sugar Maple	80		10 80						
29	4110 - Sugar N	/laple Asso	ciation	Poletimber Poor	84.0	50	81-110	N/A		Younger stand of sugar maple with higher BA.
	Canopy Species		Size Class							
	Quaking Aspen	5	Seedling							
	Black Cherry	15	Seedling							
	Sugar Maple	80	Seedling	6 50						



Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
30	42350 - Up	land Hemlo	ck	Sawtimb	er Well	34.6	97	111-140	N/A		Hemlock stand with low areas, a transition to lowland.
	Canopy Species		Size Class		Age						
	Red Maple	10		20							
	Balsam Fir	10		10							
	Black Spruce	5		10							
	Hemlock	75		20	97						
31	4112 - Maple, Beec	h, Cherry A	ssociation	Poletimb	er Well	24.2	70	81-110	N/A		Pole stand of Red maple/Sugar maple and Black cherry.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Balsam Fir	5		8		Suç	gar Maple	Low	< 5 feet	< 5 feet	
	Sugar Maple	45	Seedling	8	70						
	Red Maple	20	Seedling	8							
	Black Cherry	30	Seedling	8	70						
32	4110 - Sugar M	laple Asso	ciation S	Sawtimbe	Mediun	n 36.8	65	51-80	N/A		Patchy trees with scattered openings. Cut in the 60's and has taken a
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	while to fill in the openings.
	Quaking Aspen	10	Seedling	7		Ва	lsam Fir	Medium	< 5 feet	< 5 feet	
	Sugar Maple	60		10	65	Bla	ck Cherry	Medium	< 5 feet	< 5 feet	
	Black Spruce	10	Seedling	7							
	Black Cherry	20	Seedling	7	37						
33	6117 - Lowland Con	Deciduous, iferous	Mixed S	Sawtimbe	Mediun	n 4.1	90	51-80	N/A		Wet soil all year long from natural drainage. Very poor quality timber.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	7
	Red Maple	45	Seedling	8	90		ag Alder	Medium	< 5 feet	< 5 feet	
	Black Ash	35	Seedling	7							
	Balsam Fir	20	Seedling	8							
34	4110 - Sugar M	laple Asso	ciation	Poletimb	er Well	25.7	90	51-80	N/A		Cherry stand with mixed maple poles.
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Black Cherry	30	Seedling	8	70	Su	gar Maple	Medium	< 5 feet	< 5 feet	
	Sugar Maple	50		10	90	Re	ed Maple	Medium	< 5 feet	< 5 feet	
	Red Maple	20	Seedling	8							_
	6120 - Lo	wland Ceda	ar	Sawtimb	er Well	48.5	97	81-110	N/A		Lowland with upland, cedar is of poor quality.
35					A						
35	Canopy Species	% Cover	Size Class	DRF	Age						
35		% Cover	Size Class	18	Age						
35	Canopy Species		Size Class Seedling		Age						
35	Canopy Species Red Maple	25		18	Age						
35	Canopy Species Red Maple Black Ash	25 10	Seedling	18	Age						
	Canopy Species Red Maple Black Ash Balsam Fir	25 10 5	Seedling	18 6 6	97						



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age BA Range		Managed Site		General Comments	
36	4112 - Maple, Beech, Cherry Association			Sawtimber Well		26.3	100	81-110	N/A		There are drainages running throughout stand. TS: 41-003-17	
	Canopy Species	% Cover	Size Class	DBH	Age							
	Yellow Birch	5		16								
	Balsam Fir	5	Seedling	8								
	Hemlock	5		22								
	Sugar Maple	40		18	100							
	Red Maple	40		14								
	Black Cherry	5		16								
38	500	- Water		Nor	ne	0.5			No		North edge of Humphrey Pond.	
39	4112 - Maple, Beech, Cherry Association			Sawtimber Well		42.7	80	51-80	N/A		Stand was cut in 2003 (26-98) Ba is between 70 - 90 BA. Regen is	
	Canopy Species	% Cover	Size Class	s DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	coming in good within the gaps made by harvest.	
	Hemlock	5		14		Sug	ar Maple	Full	< 5 feet	< 5 feet		
	Black Cherry	10		14								
	Sugar Maple	60		14	80							
	Red Maple	20		14								
	Yellow Birch	5	Seedling	8								
40	4116 - Mixed N. Hardwood - Aspen		Poletimb		13.1	37	81-110	N/A		Young stand of residual from past cuts. Some clones of aspen mostly maple and cherry.		
	Canopy Species	% Cover			Age						1, ,	
	Sugar Maple	40	Seedling		37							
	Quaking Aspen	20	Seedling									
	Balsam Fir	10	Sapling	6								
	Black Spruce	10	Seedling									
	Black Cherry	20	Seedling	8								
41	4319 - Mixed Upland Forest		Poletimber Well		8.6	60	51-80	N/A		Mostly a Cherry stand, poles dominate with mixed maple. Oaks		
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	planted on northern edge of stand in 09.	
	Black Cherry	10	Seedling		60	Blac	k Cherry	Low	< 5 feet	< 5 feet		
	White Spruce	25		10								
	Balsam Fir	25	Seedling									
	Sugar Maple	10	Seedling	8								
	Red Maple	30	Seedling	8	60							
42	4110 - Sugar Maple Association		Sawtimb	er Well	30.8	90	51-80	N/A		Log stand harvested in 60's (strip cuts) then Elm salvage done around 1978. Stand was then part of sale cut in 1998. BA is still low but good		
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	quality Sugar maple is present, advanced regen is present.	
	Sugar Maple	80		16	90	Sug	ar Maple	Medium	< 5 feet	< 5 feet		
	Quaking Aspen Black Cherry	5 15	Seedling	6								



Stand	Level 4 Cover Type 6120 - Lowland Cedar			Size Density Sawtimber Well		Acres Stand Age BA		A Range	Managed Site		General Comments
43						11.4	122	111-140	N/A		Lowland cedar stand, old cedar. Very wet saturated soils.
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	
	Red Maple	20	Seedling	8		Black	Spruce	Low	< 5 feet	< 5 feet	
	Black Spruce	20	Seedling	8		Balsa	am Fir	Low	< 5 feet	< 5 feet	
Nort	hern White Cedar	60		10	122					1	_
45	6120 - Lo	wland Cedar % Cover Size Class		Sawtimber Well S DBH Age		28.8 122 1 Sub-Canopy Species		111-140 Density	N/A Avg. Height Size		Lowland mixed stand with cedar and an array of deciduous trees. Stand is large in size and many drainages run through.
	Black Spruce	20	Seedling	8		Balsam Fir		Low	5 - 10 feet	5 - 10 feet	
Nort	thern White Cedar	60		10	122	Black Spruce		Low	5 - 10 feet	5 - 10 feet	
	Red Maple	20	Seedling	8			-	<u> </u>		1	_