

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41001 Entry Year 2027 Acreage: 1,004

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Scott Kentner

Legal Description:

T45N R13W Sections 1, 12 and 13

Identified Planning Goals:

Management activities that coordinate multiple uses and benefits for the people of Michigan including recreation, timber production and protection/enhancement of wildlife habitat are desirable.

Soil and topography:

This area typically displays flat to gently rolling terrain, and most of this compartment features upland habitat on sandy soils including Kalkaska sand, Liminga fine sand, and Graveraet very fine sandy loam. The lowland areas are generally on either muck soils or peat. The most commonly occurring habitat types are AFPo (sugar maple-beech/hairy Solomon's seal) and ATFD (sugar maple-hemlock-beech/shield fern) which account for the dominance of northern hardwoods throughout most of the compartment. These habitat types are known to produce high-quality wood products of all tree species, but require major disturbance to keep them from reverting to the hardwoods.

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

There are numerous hunting camps on the private lands in and adjacent to this compartment. State-owned lands consist of 3 separate blocks of 40, 160, and approx. 843 acres. All are contiguous to state-owned lands in Compartment 2 to the west.

Unique Natural Features:

None known at this time.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

Due to this area's proximity to the Fox River, proper use of all BMP's associated with flowing water are critical.

Watershed and Fisheries Considerations:

This compartment contains an un-mapped drainage that has continuous flow throughout the year, indicating strong inputs of groundwater. Additionally, this drainage serves as a tributary to the Fox River, a designated Natural River. The Fox River system supports a very good brook trout population. The Fox is currently stocked with brook trout, but recent fisheries surveys indicate that significant natural reproduction is occurring, and that suspension of stocking may be instituted to determine if the brook trout population can support itself through natural reproduction. Small streams and drainages such as this un-named drainage are important regarding preserving water quality to larger streams and rivers, such as the Fox River. Protecting the river systems from inputs of sediment is crucially important. Best Management Practices should be followed.

Wildlife Habitat Considerations:

This compartment lies southeast of Seney. During pre-settlement times, sugar maple appeared to be the most abundant tree species in the upland forest. Beech, hemlock, basswood, and American elm were common, while yellow birch, red maple and balsam fir appeared to be minor components in the sugar maple forest. Tamarack, spruce and cedar dominated the lowland areas. Lowland areas within this compartment appear to be similar to pre-settlement species composition. Upland areas remain dominated by northern hardwood stands. However, the species composition of those stands has shifted from a heterogeneous mixture of hardwoods and conifers to a system dominated by sugar maple. The amount of hemlock and beech in those stands appears to have been reduced. Additionally, red pine Plantations and aspen of various ages now occur across a fair portion of this compartment. Featured species in this compartment are black bear, northern goshawk, snowshoe hare, spruce grouse, and white-tailed deer. Wildlife objectives for hardwood stands include restoring structural and species diversity. Additionally, the red pine plantations within this compartment contain substantial amounts of hardwood regeneration. Through rotational thinnings, these stands will eventually revert to diverse northern hardwoods containing super-canopy red pine. Maintaining age class diversity

between the aspen stands and promoting mast-bearing tree and shrub species are also important habitat goals.

Mineral Resource and Development Concerns and/or Restrictions

: Surface sediments consist of peat and muck and lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington and Big Hill Formations and Queenston Shale subcrop below the glacial drift. The Stonington and Big Hill could be used for stone/dolomite. Gravel pits at not found in the general area, but there may be some potential on the uplands. There is no commercial oil and gas production in the UP.

Vehicle Access:

Most of the compartment is easily accessible by woods roads that connect to the Old Seney Road (Co. Rd. 450), which also passes through the southernmost block of 160 acres in section 13. The woods road network also connects directly to Highway M-28 to the north.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

The Old Seney Road is a groomed and well-used snowmobile trail, and this area also receives heavy hunting pressure. There are no other improved recreational facilities within this compartment.

Fire Protection:

The existing road network provides good access to most of the state lands, which generally feature relatively low-risk fuel types such as northern hardwoods and aspen. There are numerous open areas of grass and upland brush throughout the compartment. The adjacent private lands feature low, wet terrain that could prove challenging, both for access and their more hazardous conifer fuel types.

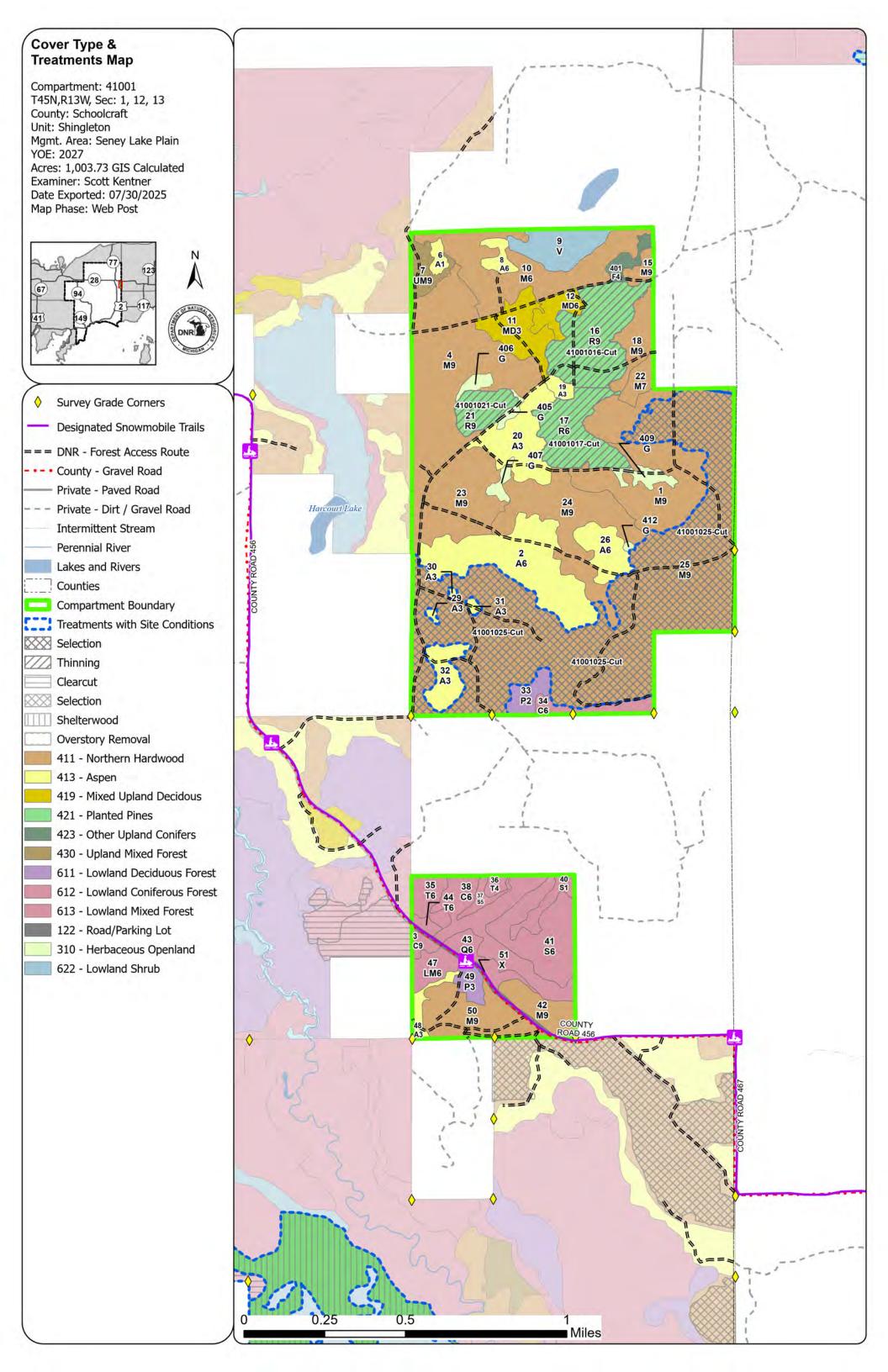
Additional Compartment Information:

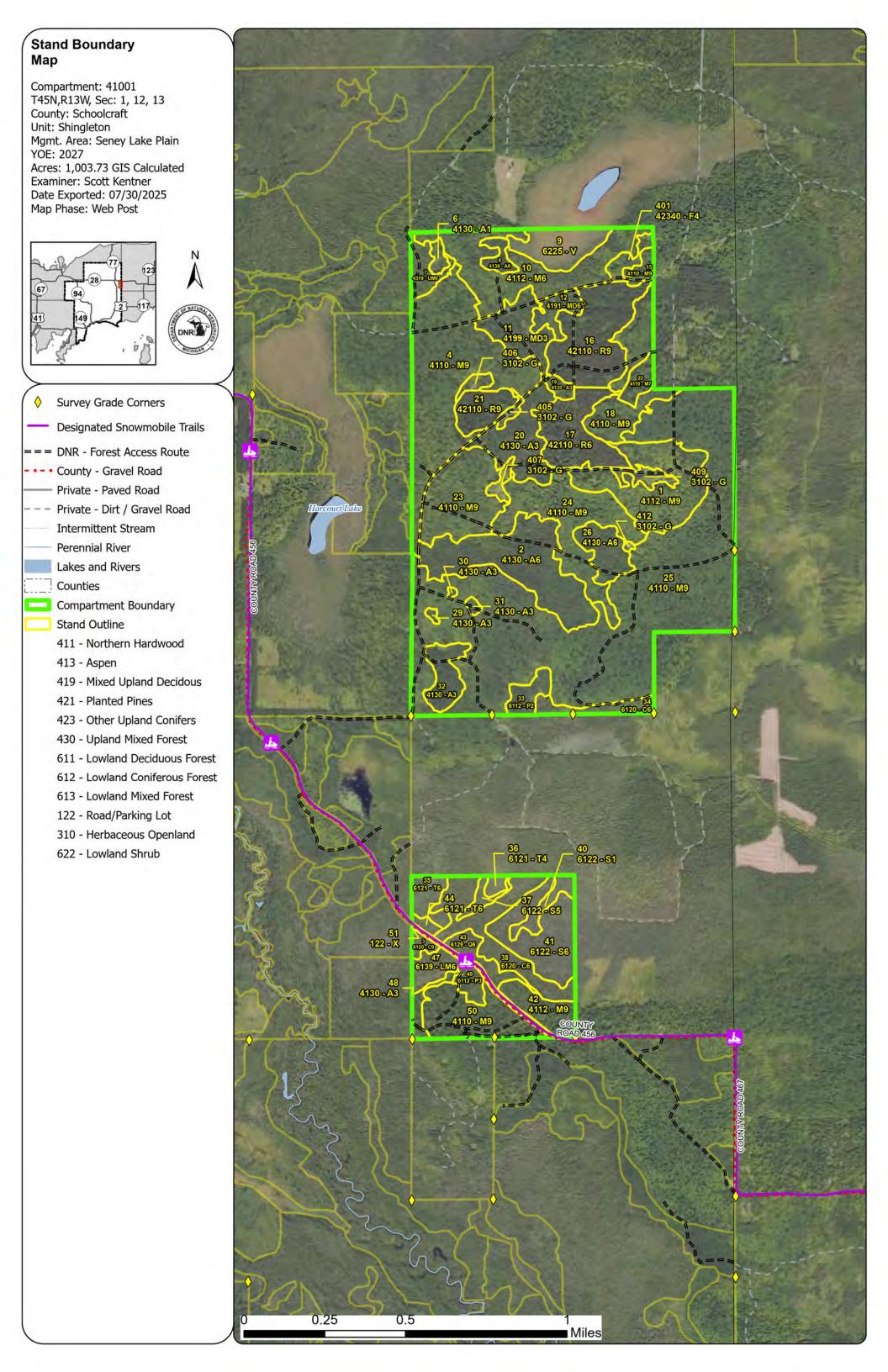
The following reports from the Inventory are attached:

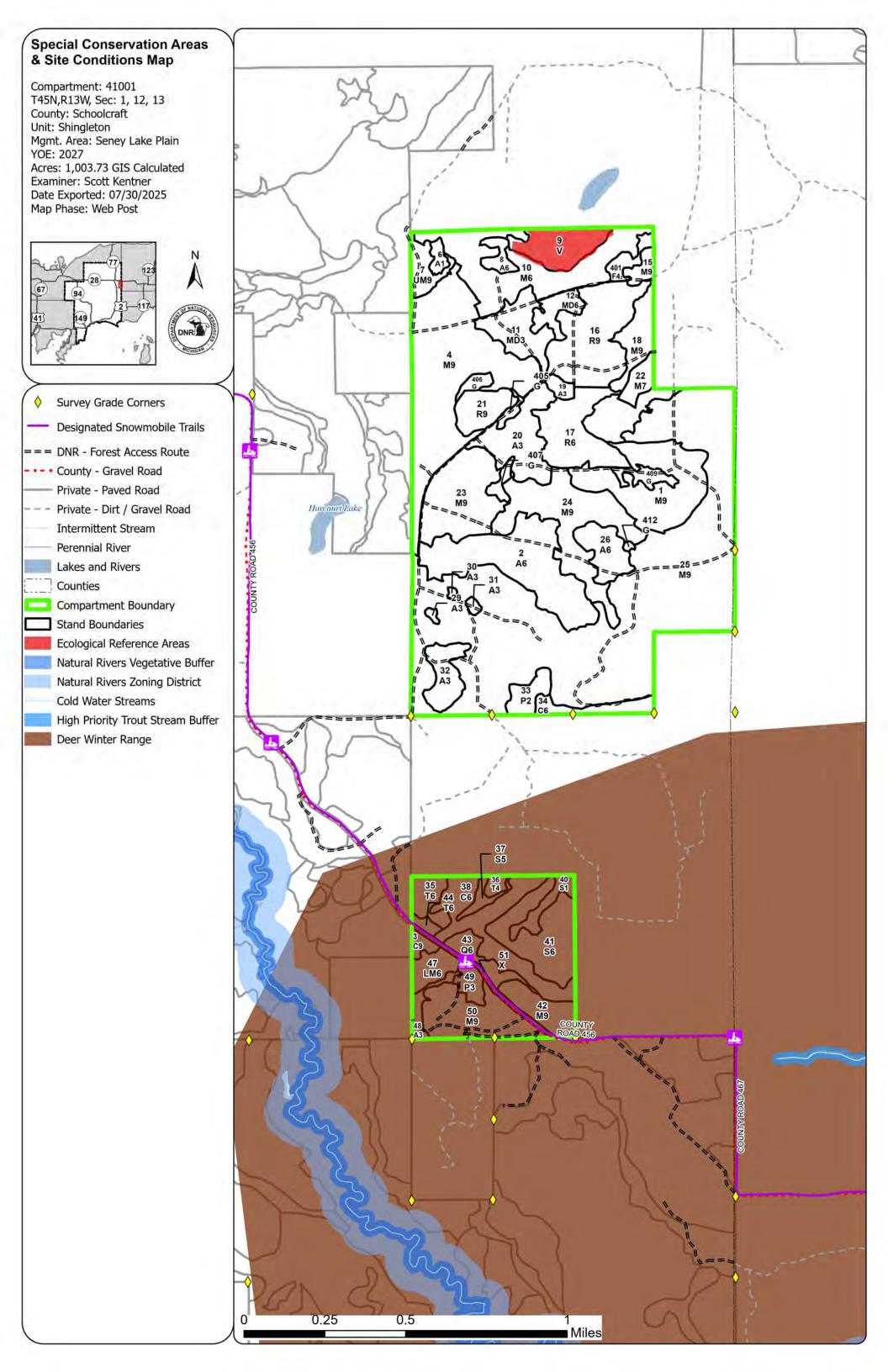
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

Compartment 1

Year of Entry 2027



Scott Kentner: Examiner

Age Class

	No.		3° / §	2 4		3/8	Se Se	3/8	38/18	\$P &	\$ \ &	8 /8	S Z Z	(S) (S)	R / E	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		St Stor	A LOS
Aspen	0	3	0	15	102	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	0	0	0	9	0	3	0	0	32	0	44
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	0	8	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Lowland Mixed Forest	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	0	0	0	31	0	0	0	0	0	4	42
Mixed Upland Deciduous	0	0	0	0	19	0	0	8	0	0	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	0	0	0	447	0	0	0	0	0	0	0	152	599
Red Pine	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	82
Tamarack	0	0	0	0	0	0	2	0	0	2	9	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	36	3	8	15	126	8	91	13	0	458	9	48	0	3	0	0	32	156	1005



Report 2 – Treatment Summary

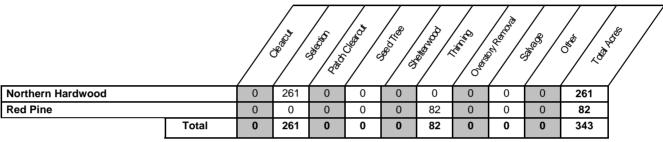
Shingleton Mgt. Unit Year of Entry: 2027

Acres of Harvest

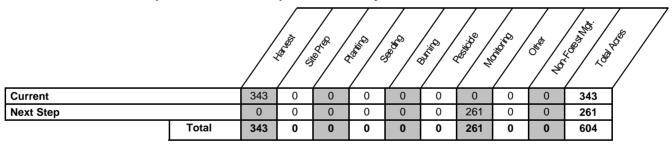
Compartment 1
Total Compartment Acres: 1,004

Commercial Harvest - 82 Harvests with Site Condition - 522 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Prescription 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current

Next Step Treatments:

Acceptable Red Pine

Regen:

Specs:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

crop trees).

17 41001017-Cut 27.9 42110 - Planted 6 57 81-110 Harvest Thinning 4211 - Planted Planting No Red Pine Record

<u>Prescription</u> 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current <u>Specs:</u> crop trees).

Next Step Treatments:

Acceptable Red pine

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

21 41001021-Cut 12.1 42110 - Planted 9 57 81-110 Harvest Thinning 4211 - Planted Planting No Red Pine Record

<u>Prescription</u> 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current <u>Specs:</u> crop trees).

Next Step Treatments:

Acceptable Red pine

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

25 41001025-Cut 261.2 4110 - Sugar Maple 9 88 111- Harvest Selection 411 - Northern Current No Association 140 Hardwood

<u>Prescription</u> Single Tree Selection Harvest: Mark stand down to an average of about 80 BA. Follow the northern hardwood marking guidance to promote advanced regen that is currently growing in the understory.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable northern hardwood species

Regen: Other

Comment:

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

s		Shingleton	Mgt. Unit		Repor	t 3	Treatments		Compartme Year of Ent		DNR DNR
t a									rear or Ent	ry. 2027	MICHIGAN CO
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 Acreage Proposed: 342.8

Report 4 - Site Conditions

Shingleton Mgt. Unit

Scott Kentner: Examiner

Compartment: 1
Year of Entry: 2027



Availability for Management Total Acres Avail Acres Acres **Dominant Site Conditions** Available With Condition Not Available Acres Aspen Bog Cedar Herbaceous Openland Lowland Aspen/Balsam Poplar **Lowland Conifers** Lowland Mixed Forest Lowland Spruce/Fir Mixed Upland Deciduous Northern Hardwood Red Pine Tamarack **Upland Mixed Forest** Upland Spruce/Fir Urban 1,004 Total Forested Acres 2% 72% 26% 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.

	Jnavailable	3A: Conservation values incompatible with harvest at this time	18	Unspecified	Unspecified	Unspecified	Unspecified
Com		at this time			·	Chopcomod	onspecified
	ments: ogical Referenc	e Area: Treed Bog					
	Available	2I: Survey needed	261	Unspecified	Unspecified	Unspecified	Unspecified
Com	ments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit Scott Kentner: Examiner



15	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
21	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
22	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
23	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
	225 4:52:02 DM Dogs						TOOLEY

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 1 Year of Entry: 2027 Scott Kentner: Examiner



26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Co	omments:						

07/29/2025 4:52:03 PM - Page 3 of 3 TOOHEYH Mgt. Unit Compartment: #Type!
Year of Entry:

Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Stand	d Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	BA Range	Managed S	ite	General Comments
1	4112 - Maple, Beecl	n, Cherry A	Association	Sawtimb	er Well	42.9	88	51-80	N/A		2015: Cut in 2001.Stand is variable as far as stocking, areas with higher BA is due to red maple clumps. Scattered spruce on edges as
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	well as beech brush.
	Sugar Maple	75		10	88	Sug	gar Maple	Medium	Variable	Variable	
	Red Maple	25		10		Ва	ılsam Fir	High	Variable	Variable	
						Ire	onwood	Medium	Variable	Variable	
2	4130 -	Aspen		Poletimb	er Well	52.5	31	1-50	N/A		YOE 2008: Young aspen with scattered residual conifers from the
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	last stand, and occasional pockets of conifer regeneration. A few small patches of pin cherry etc. are also present, but provide valuable
	Sugar Maple	2	Log	4		Sug	gar Maple	Low	5 - 10 feet	5 - 10 feet	soft mast for wildlife.
	Quaking Aspen	93	Sapling	6	31						-
	Black Cherry	2	Sapling	6							
	White Ash	3	Seedling	8							
3	6120 - Lov	vland Ceda	ar	Sawtimb	er Well	2.9	125	81-110	N/A	,	2015: Part of stand was included was included in a sale and not cut.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	There is Blue paint on the west side against compartment 2. Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Uni
	Black Spruce	5		10		Re	ed Maple	Low	Variable	Variable	returned uncut. RH3/22/14
No	orthern White Cedar	90		12	125	Ва	ılsam Fir	Low	Variable	Variable	
	Red Maple	1		10					'		_
	Paper Birch	4		12							
4	4110 - Sugar M	aple Assoc	ciation	Sawtimb	er Well	85.0	88	51-80	N/A		TS: MHM:4-16 EAB & SBW unit 1. All Ash, Balsam and spruce
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	removed from stand. TCR: 3/9/18
	Sugar Maple	95		16	88	Sug	gar Maple	Medium	Variable	Variable	- T-S-11 - G/G/ 1-S
	Basswood	5		16		W	hite Ash	Medium	Variable	Variable	
6	4130 -	Aspen		Sapling	Poor	2.8	7	Immature	N/A	1	Unit 3 of MHM:4-16 EAB & SBW Salvage. No residual
	Canopy Species	% Cover	Size Class	DBH	I Age						TCR:3/9/18
	Quaking Aspen	95	Log	2	7						
	Black Cherry	5	Log	2							
7	4319 - Mixed	Upland Fo	rest	Sawtimb	er Well	8.5	85	81-110	N/A		2015: Stand is a bit odd, red maple overstory with a fir being
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	codominate in many parts. Scattered hemlock in places as well as a few beech. 10/21/2015 "This stand was flagged with high or very
	Red Maple	50		10	85	Re	ed Maple	Medium	Variable	Variable	high potential for spruce budworm impact but the decision at
	Balsam Fir	45	Seedling	8	42	Qual	king Aspen	Low	Variable	Variable	Compartment Review was not to harvest the stand at this time."
No	orthern White Cedar	2		10		Ва	ılsam Fir	Medium	Variable	Variable	
	Hemlock	3		14		l	Beech	Medium	Variable	Variable	
8	4130 -	Aspen		Poletimb	er Well	4.6	32	1-50	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	85	Pole	4	32	Re	ed Maple	Medium	Variable	Variable	
		85 15	Pole Seedling		32		ed Maple Ilsam Fir	Medium Medium	Variable Variable	Variable Variable	



	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Sit	е	General Comments
9	6225	5 - Bog		Nor	ne	17.8			No		Boggy area featuring leatherleaf, wet grass and lowland brush.
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Ta	marack	Low	< 5 feet	< 5 feet	
						Blac	k Spruce	Low	< 5 feet	< 5 feet	
						Northern	White Cedar	Trace	5 - 10 feet	5 - 10 feet	
10	4112 - Maple, Beed	ch, Cherry A	ssociation F	oletimb	er Well	48.5	88	81-110	N/A		Nice maple stand with advanced sugar maple regen.
1	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Basswood	4		14		Bal	sam Fir	Medium	Variable	Variable	
	White Ash	10		12		Irc	nwood	Medium	Variable	Variable	
	Beech	3		14		Sug	ar Maple	High	Variable	Variable	
	Balsam Fir	3	Seedling	6		Re	d Maple	Low	Variable	Variable	
	Sugar Maple	55		12	88	Е	Beech	Medium	Variable	Variable	
	Red Maple	25		10							
11	4199 - Other Mixe	ed Upland D	eciduous	Sapling	Well	18.9	36	51-80	N/A		
- 1	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Seedling	6		Sug	ar Maple	Low	Variable	Variable	
	Red Oak	15	Log	4	36	Bal	sam Fir	Low	Variable	Variable	
(Quaking Aspen	30	Seedling	6	36						-
	Ironwood	15	Log	4							
	Sugar Maple	25	Seedling	6							
	Paper Birch										
	т арст Бітсіт	10	Log	4							
12	4191 - Mixed Upla			4 Poletimb	er Well	8.2	60	1-50	N/A		
	4191 - Mixed Upla	and Decidu	ous with F	oletimb	er Well		60	1-50 Density	N/A Avg. Height	Size	
(4191 - Mixed Upla Co	and Decidu	ous with F	oletimb		Sub-Car				Size Variable	
(4191 - Mixed Upla Co Canopy Species	and Deciduonifer % Cover	ous with F	Poletimb	Age	Sub-Car Sug	nopy Species	Density	Avg. Height		
	4191 - Mixed Upla Co Canopy Species Sugar Maple	and Decidurentifer % Cover 50	ous with F Size Class Seedling	Poletimb DBH	Age	Sub-Car Sug Iro	nopy Species ar Maple	Density Medium	Avg. Height Variable	Variable	
	4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir	and Decidurentier **Cover** 50 20	Size Class Seedling Seedling	DBH 8 6	Age	Sub-Car Sug Irc Bal	nopy Species ar Maple nwood	Density Medium High	Avg. Height Variable Variable	Variable Variable	
(4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir	and Deciduonifer % Cover 50 20 30	Size Class Seedling Seedling Seedling	DBH 8 6 8	Age 60 er Well	Sub-Car Sug Irc Bal	nopy Species ar Maple inwood sam Fir	Density Medium High Low	Avg. Height Variable Variable Variable Variable N/A	Variable Variable Variable	
15	4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir Quaking Aspen	and Deciduonifer % Cover 50 20 30	Size Class Seedling Seedling Seedling	DBH 8 6 8	Age 60	Sub-Car Sug Iro Bal E	nopy Species ar Maple inwood sam Fir	Density Medium High Low Low	Avg. Height Variable Variable Variable Variable	Variable Variable Variable	
15	4191 - Mixed Upla Cc Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4110 - Sugar M	and Deciduonifer % Cover 50 20 30	Size Class Seedling Seedling Seedling Seiation	DBH 8 6 8 8 Cawtimb	Age 60 er Well	Sub-Car Sug Iro Bal E 4.2 Sub-Car	nopy Species ar Maple nwood sam Fir Beech 88 nopy Species	Density Medium High Low Low 51-80 Density Medium	Avg. Height Variable Variable Variable Variable N/A	Variable Variable Variable Variable Variable Variable	
15	4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4110 - Sugar M	and Deciduonifer Cover 50 20 30 Maple Assoc	Size Class Seedling Seedling Seedling Seiation	DBH 8 6 8	Age 60 er Well	Sub-Car Sug Iro Bal E 4.2 Sub-Car	nopy Species ar Maple nwood sam Fir deech 88 nopy Species	Density Medium High Low Low 51-80 Density	Avg. Height Variable Variable Variable Variable N/A Avg. Height	Variable Variable Variable Variable	
15	4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4110 - Sugar M Canopy Species Sugar Maple	and Deciduonifer % Cover 50 20 30 Maple Assoc	Size Class Seedling Seedling Seedling Seiation	DBH 8 6 8 8 Cawtimb	Age 60 er Well	Sub-Car Sug Iro Bal E 4.2 Sub-Car	nopy Species ar Maple nwood sam Fir Beech 88 nopy Species	Density Medium High Low Low 51-80 Density Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable	Variable Variable Variable Variable Variable Variable	
15	4191 - Mixed Upla Cc Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4110 - Sugar M Canopy Species Sugar Maple Beech	and Deciduonifer % Cover 50 20 30 Maple Assoc % Cover 95 3 2	Size Class Seedling Seedling Seedling Size Class Size Class	DBH 8 6 8 6 8 Sawtimb DBH 10 18	er Well Age 88	Sub-Car Sug Iro Bal E 4.2 Sub-Car	nopy Species ar Maple nowood sam Fir Beech 88 nopy Species nowood ar Maple	Density Medium High Low Low 51-80 Density Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable	Variable Variable Variable Variable Variable Variable	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine.
15 16	4191 - Mixed Upla Co Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4110 - Sugar M Canopy Species Sugar Maple Beech Balsam Fir	and Decidurentifer % Cover 50 20 30 Maple Assoc % Cover 95 3 2 nted Red P	Size Class Seedling Seedling Seedling Size Class Size Class	Poletimb DBH 8 6 8 Cawtimb DBH 10 18 8 Cawtimb DBH Bawtimb	er Well Age 88	Sub-Car Sug Iro Bal E 4.2 Sub-Car Iro Sug	nopy Species ar Maple nowood sam Fir Beech 88 nopy Species nowood ar Maple	Density Medium High Low Low 51-80 Density Medium Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable	Variable Variable Variable Variable Variable Variable	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine. Residual BA: Red pine - 113; b.cherry - 3; total = 116 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12.



Stand	I Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments
17	42110 - Pla	nted Red P	ine	Poletimb	er Well	27.9	57	81-110	N/A		[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Residual BA: Red pine - 120; b.cherry - 1; total = 121 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12.
	Red Pine	100		10	57	Suga	ar Maple	Low	Variable	Variable	
											Comp 1 Spp. Units 6-7 TS: 41-028-17-01 TCR: 8/28/18
18	4110 - Sugar N	/laple Asso	ciation	Sawtimb	er Well	27.3	88	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Seedling	8		Suga	ar Maple	Medium	Variable	Variable	
	Quaking Aspen	5		14		Iro	nwood	Medium	Variable	Variable	
	White Ash	5		14		Bals	sam Fir	Medium	Variable	Variable	
	Sugar Maple	85		12	88	В	eech	Low	Variable	Variable	
19	4130	- Aspen		Sapling	g Well	3.0	20	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Black Cherry	10	Log	2		Iro	nwood	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	60	Log	4	20				1		1
	Ironwood	30	Log	2							
20	4130	- Aspen		Sapling	g Well	24.5	30	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	83	Log	4	30	Suga	ar Maple	Low	Variable	Variable	
	Black Cherry	15	Log	4		Iro	nwood	Medium	Variable	Variable	
	Balsam Fir	2	Seedling	6				'	1		•
21	42110 - Pla	nted Red P	ine	Sawtimb	er Well	12.1	57	81-110	N/A		[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine.
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Residual BA: Red pine - 101; b.cherry - 5; total = 106 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12.
	Red Pine	100		12	57	Suga	ar Maple	Medium	5 - 10 feet	5 - 10 feet	[2 24 12] Gale to now ologogycompleted Foredta 1/00/12.
				-		_	-		-		Comp 1. Pinus Spp. unit 9 TS:41-028-17-01 TCR: 8/28/18
22	4110 - Sugar N	/laple Asso	ciation	Sawtimb	er Poor	6.1	88	1-50	N/A		comp 1 Pinus spp unit 8 TS: 41-028-17-01 TCR: 8/28/18
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Sugar Maple	80		14	88	Quaki	ng Aspen	High	5 - 10 feet	5 - 10 feet	
	Black Cherry	10	Seedling	8				-			_
	Balsam Fir	10	Seedling	8							
23	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	35.8	88	81-110	N/A		Areas of higher BA are due to tree clumps.
	Canopy Species	% Cover	Size Class		l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Sugar Maple	90		12	88	Suga	ar Maple	Low	Variable	Variable	
	White Ash	10		16		Iro	nwood	Medium	Variable	Variable	



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
24	4110 - Sugar N	Maple Asso	ciation	Sawtimbe	er Well	46.1	88	81-110	N/A		Unit 1 of MHM:4-16 EAB & SBW Salvage. Residual BA = hard maple
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	77', basswood 7' and cherry 1'.TCR: 3/9/18
	Basswood	5		12		Sug	gar Maple	Low	Variable	Variable	
	Black Cherry	2	Seedling	8		Iro	onwood	Medium	Variable	Variable	
	Sugar Maple	93		12	88	I	Beech	Medium	Variable	Variable	
25	4110 - Sugar N	Maple Asso	ciation	Sawtimbe	er Well	261.2	88	111-140	N/A	,	2015: This is a very large and fairly uniform stand, very good small
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	advanced regen from harvest passed.
	Basswood	2		16		Iro	onwood	Medium	5 - 10 feet	5 - 10 feet	
	White Ash	10		16		Sug	gar Maple	Full	5 - 10 feet	5 - 10 feet	
	Sugar Maple	88		16	88	I	Beech	Medium	5 - 10 feet	5 - 10 feet	
26	4130	- Aspen		Poletimb	er Well	13.2	31	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	Log	2		Sug	gar Maple	Low	Variable	Variable	
	Quaking Aspen	90	Sapling	6	31			<u> </u>	1		_
	Black Cherry	2	Sapling	6							
	White Ash	3	Seedling	8							
29	4130	- Aspen		Sapling	Well	0.8	32	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Sugar Maple	2	Log	2							
	Quaking Aspen	98	Log	4	32						
30	4130	- Aspen		Sapling	Well	0.5	32	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Sugar Maple	2	Log	2							
	Quaking Aspen	98	Log	4	32						
31	4130	- Aspen		Sapling	Well	1.1	32	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Sugar Maple	2	Log	2	_						
	Quaking Aspen	98	Log	4	32						
32	4130	- Aspen		Sapling	Well	12.1	26	1-50	N/A		TCR 1/12/99 - 031-90-01
	Canopy Species	% Cover	Size Class	DBH	Age						2015: Young aspen over a mix of hardwood regen and upland brush species. Stand includes some semi-open grassy areas.
	Quaking Aspen	98	Pole	4	26						openios. Otalia illorados como comi open gracos areas.
١	lorthern Pin Oak	2	Log	2							

Report 7 - Stands



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
33		wland Aspe		Sapling N		7.6	15	Immature	N/A	1	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine. See also FTP W41-1365 (aspen TSI.)
	Canopy Species		Size Class		Age						Residual BA: cedar = 1 sq.ft./acre
	Quaking Aspen	98	Log	1	15						[2-24-12] Sale is now closed/completed TCR dtd 1/30/12.
	Balsam Fir	2	Pole	4							2015: Stand is regenerating well, some residual maple and fir in the small pole size renage.
34	6120 - Lov	wland Ceda	r	Poletimbe	er Well	8.6	107	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Paper Birch	2		10							
No	rthern White Cedar	98		14	107						
35	6121 - 7	Tamarack		Poletimb	er Well	8.7	92	81-110	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Paper Birch	10	Seedling	8		Northern	White Ceda	r Low	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Seedling	8		Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	10	Seedling	8							_
	Balsam Fir	5	Seedling	8							
	Tamarack	70	Seedling	8	92						
36	6121 - 7	Tamarack		Poletimbe	er Poor	2.3	50	1-50	N/A	ı	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Tamarack	51	Pole	4	50	Blac	k Spruce	Medium	Variable	Variable	
	Black Spruce	49	Pole	4		Northern	White Ceda	r Medium	Variable	Variable	
						Та	marack	Low	Variable	Variable	
37	6122 - Bl	ack Spruce	P	oletimber	Mediur	m 3.7	50	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Tamarack	15	Pole	4		Ta	marack	Low	Variable	Variable	
	Black Spruce	50	Pole	4	50	Blac	k Spruce	Medium	Variable	Variable	
No	rthern White Cedar	35	Pole	4		Northern	White Ceda	r High	Variable	Variable	
38	6120 - Lov	wland Ceda	r	Poletimbe	er Well	31.9	151	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Paper Birch	5		12		Bal	sam Fir	Low	Variable	Variable	
No	rthern White Cedar	85	Seedling	9	151	Blac	k Spruce	Low	Variable	Variable	
	Balsam Fir	5	Seedling								
	Tamarack	5		10							
40	6122 - Bl	ack Spruce		Sapling	Poor	6.6	50	1-50	N/A		Mainly dense sub-merchantable black spruce with few other species, some are dead.
	Canopy Species	% Cover	Size Class	DBH	Age						Some are ueau.
	Tamarack	1	Pole	4							
	Black Spruce	99		4	50						

Report 7 – Stands



Compartment: 1

Year of Entry: 2027

Stanc	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
41	6122 - B	lack Spruce	e F	Poletimb	er Well	31.2	100	51-80	N/A	4	
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	100	Sapling	5	100	Blac	k Spruce	Medium	Variable	Variable	
42	4112 - Maple, Beed	ch, Cherry /	Association S	Sawtimb	er Well	13.4	88	51-80	N/A	4	41-039-17 unit 8
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Basswood	2		14		Blac	k Cherry	Low	10 - 20 feet	10 - 20 feet	
	Beech	2		16		В	Beech	Low	10 - 20 feet	10 - 20 feet	
	Sugar Maple	61		14	88	Yello	ow Birch	Low	10 - 20 feet	10 - 20 feet	
	Red Maple	35		14		Suga	ar Maple	High	10 - 20 feet	10 - 20 feet	
						Red	d Maple	Low	10 - 20 feet	10 - 20 feet	
43	6129 - Mixed Conif	erous Lowl	and Forest F	Poletimb	er Well	8.4	100	81-110	N/A	Ą	2015: Composition changes the length of the stand, more lowland
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Thaidwood in florin to confier in South.
	Paper Birch	5	Seedling	8		Bal	sam Fir	Medium	Variable	Variable	Sale sold to zellar ex under contract number 41-023-08-01 osr
	Black Ash	5	Pole	4		Northern	White Cedar	Low	Variable	Variable	conifers Unit returned uncut. RH3/22/14
	White Spruce	10	Seedling	5							
No	rthern White Cedar	45	Seedling	8	100						
	Hemlock	10		14							
	Balsam Fir	25	Seedling	6							
44	6121 -	Tamarack	F	Poletimb	er Well	2.0	80	111-140	N/A	4	Sale sold to zellar ex under contract number 41-023-08-01 osr
	Canopy Species	% Cover	Size Class	DBł	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	conifers Unit returned uncut. RH3/22/14A lot of the Tamarack is dead beyond salvage.
	Tamarack	97	Seedling	8	80	Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	dodd boyond salvage.
	Black Spruce	1	Seedling	8		Northern	White Cedar	Low	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	2	Seedling	8							_
17	6139 - Mixed	Lowland F	orest F	Poletimb	er Well	8.2	45	51-80	N/A	4	0-1
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Unit returned uncut. RH3/22/14
	Quaking Aspen	45	Sapling	5	45	Red	d Maple	Low	Variable	Variable	Somore One rotation and the relation of the re
	Black Spruce	35	Seedling	8	90	Bla	ack Ash	Low	Variable	Variable	
No	rthern White Cedar	15		10		Bal	sam Fir	Low	Variable	Variable	
	Red Maple	3		10				1			_

Paper Birch

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10

Shingleton Mgt. Unit



Stand	Level 4 C	Level 4 Cover Type Size Den			nsity	Acres	s Stand Age BA Range		Managed Site		General Comments			
48	4130 - Aspen			Sapling Well		4.6	31	1-50	N/A		OPIC - FMD: Young aspen with some scattered residual hardwo			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	from the previous stand.			
	Balsam Fir	2	Seedling	6		Ва	lsam Fir	Low	Variable	Variable				
	Sugar Maple	5		10		Sug	ar Maple	Medium	Variable	Variable				
	Red Maple	5		10							-			
	Bigtooth Aspen	80	Log	4	31									
	Beech	6	Log	2										
	White Spruce	2	Seedling	6										
49	6112 - Lo	6112 - Lowland Aspen		Sapling Well		5.4 31		1-50	N/A		2015: Southern finger is a drain with ash and elm.			
	Canopy Species	% Cover	Size Class	DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	Along road some hemlock and fir.			
	Balsam Fir	5	Pole	4		Ва	lsam Fir	Medium	Variable	Variable				
	Quaking Aspen	95	Pole	4	31						-			
50	4110 - Sugar N	4110 - Sugar Maple Association Sawtimber Well		28.1	88	51-80	N/A	Ą	41-039-17 units 6 and 7.					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
	Beech 1		16		Sugar Maple		High	10 - 20 feet	10 - 20 feet					
	Basswood	5		16		Beech		Low	10 - 20 feet	10 - 20 feet				
	Sugar Maple	85		16	88	Yellow Birch		Low	5 - 10 feet	5 - 10 feet				
	Red Maple	5		16										
	Paper Birch	4		14										
51	122 - Road	122 - Road/Parking Lot None		4.7			No							
401	42340 - Upl	and Spruce	/Fir I	Poletimb	er Poor	5.2	65	1-50	N/A	A	Opening that has filled with spruce some small cherry			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
	Quaking Aspen	5		10		Re	d Maple	Low	Variable	Variable				
	Sugar Maple	5		12							-			
	Balsam Fir	30		10										
	White Spruce	50	Seedling	9	65									
	Black Cherry	10	Log	4										
405	3102 - Grass		Nor	None		2.0		No						
					Sub-Ca	nopy Species	Density	Avg. Height	Size					
						R	ed Pine	Trace	10 - 20 feet	10 - 20 feet				
406	3102 - Grass			Nor	ne	2.8			No)				

Report 7 - Stands

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10			15

Stand	Level 4 Cover Type	Size Density	Acres Stand Age B	A Range	ange Managed Site		General Comments	Arichigan 6
407	3102 - Grass	None	3.0		No	1		
			Sub-Canopy Species	Density	Avg. Height	Size	7	
			White Pine	Trace	10 - 20 feet	10 - 20 feet		
			Black Cherry	Trace	5 - 10 feet	5 - 10 feet		
409	3102 - Grass	None	5.0		No	1		
412	3102 - Grass	None	0.5		No	1	Small grass opening	