

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41013 Entry Year 2024 Acreage: 1,567

County Schoolcraft

Management Area: Seney Manistique Swamp

Stand Examiner: Steve Touvila

Legal Description:

T45N R16W Sections 5, 8 and 17

Identified Planning Goals:

In the northern end of the compartment, timber management focuses primarily on conifers appropriate to relatively wet terrain (e.g., jack pine/black spruce/tamarack) while maintaining wildlife cover and travel corridors. The southern end is difficult to work in due to access problems.

Soil and topography:

The terrain in this compartment is flat, and drainage is relatively slow; a significant portion of the area south of the West Branch of the Manistique River is marshland too wet to support commercially viable timber. Soils are sandy and typical of flood plains in the eastern U.P.

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

Private lands in sections 8 and 17 have very limited development; the primary uses are for outdoor recreation and timber production.

Unique Natural Features:

There is an area in the southwest quarter of Section 8 that is classified as a dry-mesic northern forest.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains the West Branch Manistique River. The West Branch Manistique River is a non-designated river less than 50' width with a predicted mean July temperature of 65.3 °F (cold stream). This compartment is adjacent to where elemental occurrences of Wood Turtle (State Special Concern) are documented. Forestry activities that occur from April 1 through October 31 (active period) should accommodate a 300' buffer along the West Branch Manistique River to protect Wood Turtle during nesting, post-nesting, and pre-hibernation periods. For forestry activities that occur outside of the active period, 100' plus 5' per 1% increase in slope; buffers are recommended for the West Branch Manistique River to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46o F. Annual snowfall in this area averages approximately 150 inches.

The compartment falls within the Seney Manistique Swamp Management Area which highlights the following Featured Species: Moose, sharp-tailed grouse, snowshoe hare and white-tailed deer. The West Branch of the Manistique River runs diagonally across this compartment. The majority of the compartment is lowland coniferous forest. General Land Office Surveyor notes show that conifer swamps circa 1850 consisted of primarily cedar, tamarack, and spruce. Other species present included jack pine, white pine, hemlock, birch, and black ash. Upland forests were difficult to differentiate by land form, but contained different tree species. Upland species included hemlock, red maple, white pine, red pine, white birch, yellow birch, spruce, cedar, and balsam fir. Windthrow, fire, flooding, and beaver ponding were all likely contributors to the natural disturbance regime. Current upland forest stands in this compartment are dominated by jack pine. Lowland stands are similar in species composition to pre-settlement forest. Stand structure is substantially altered compared to circa 1850 conditions. Wildlife habitat objectives in this compartment include maintaining closed canopy conifer forests, providing age and structural diversity between conifer stands, and protecting the river corridor. Moose (Michigan special concern) use this compartment extensively. There are no other known rare species within this

compartment. Other wildlife species of interest that may utilize this compartment include black-backed woodpecker, spruce grouse, fisher and bobcat.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. The State-owned Star Siding Road #3 sand/gravel pit is less than four miles to the northwest. The compartment is dominated by wetlands, and potential for sand & gravel development is limited. No current mineral leasing activity exists in the area.

Vehicle Access:

This compartment is gated at the railroad crossing and is only accessible by walk-in traffic to the public.

Survey Needs:

Survey corners in Section 8 will be needed.

Recreational Facilities and Opportunities:

No developed facilities. The area is used for deer hunting by adjacent landowners and members of the public.

Fire Protection:

Poor access due to flooded or non-existent roads/bridges would hinder fire suppression efforts throughout much of this compartment

Additional Compartment Information:

The following reports from the Inventory are attached:

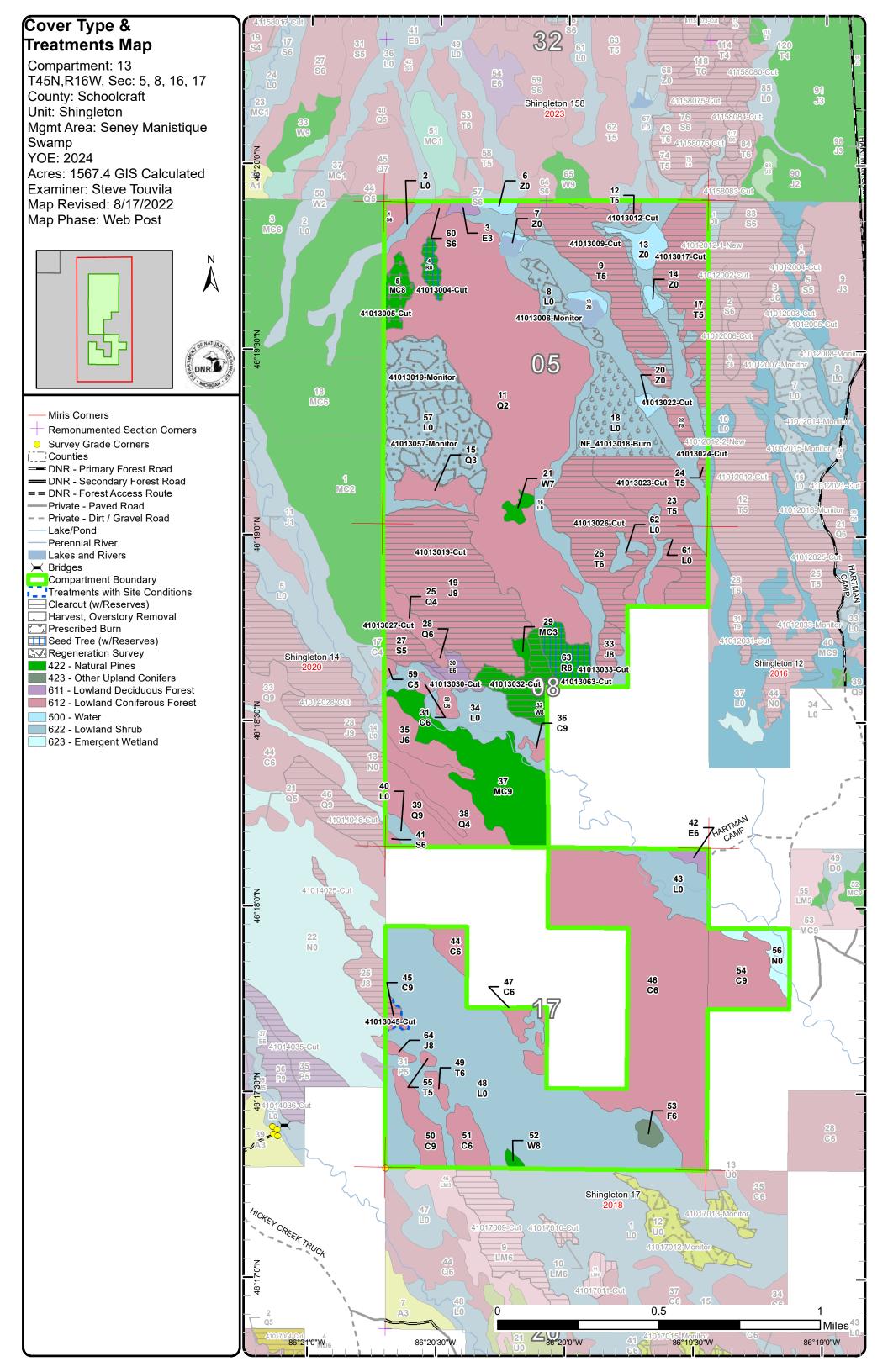
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas

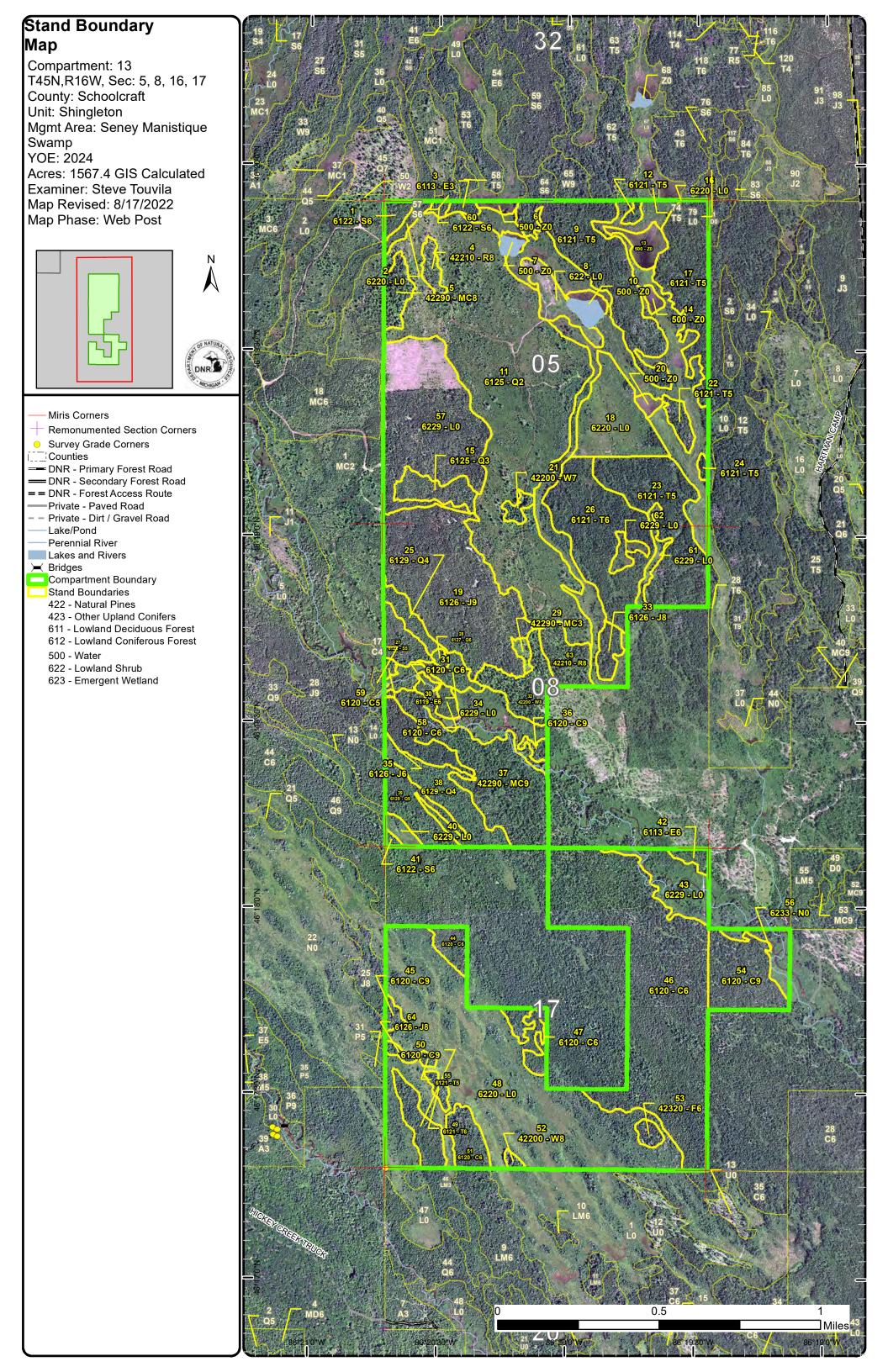
Site Condition Details

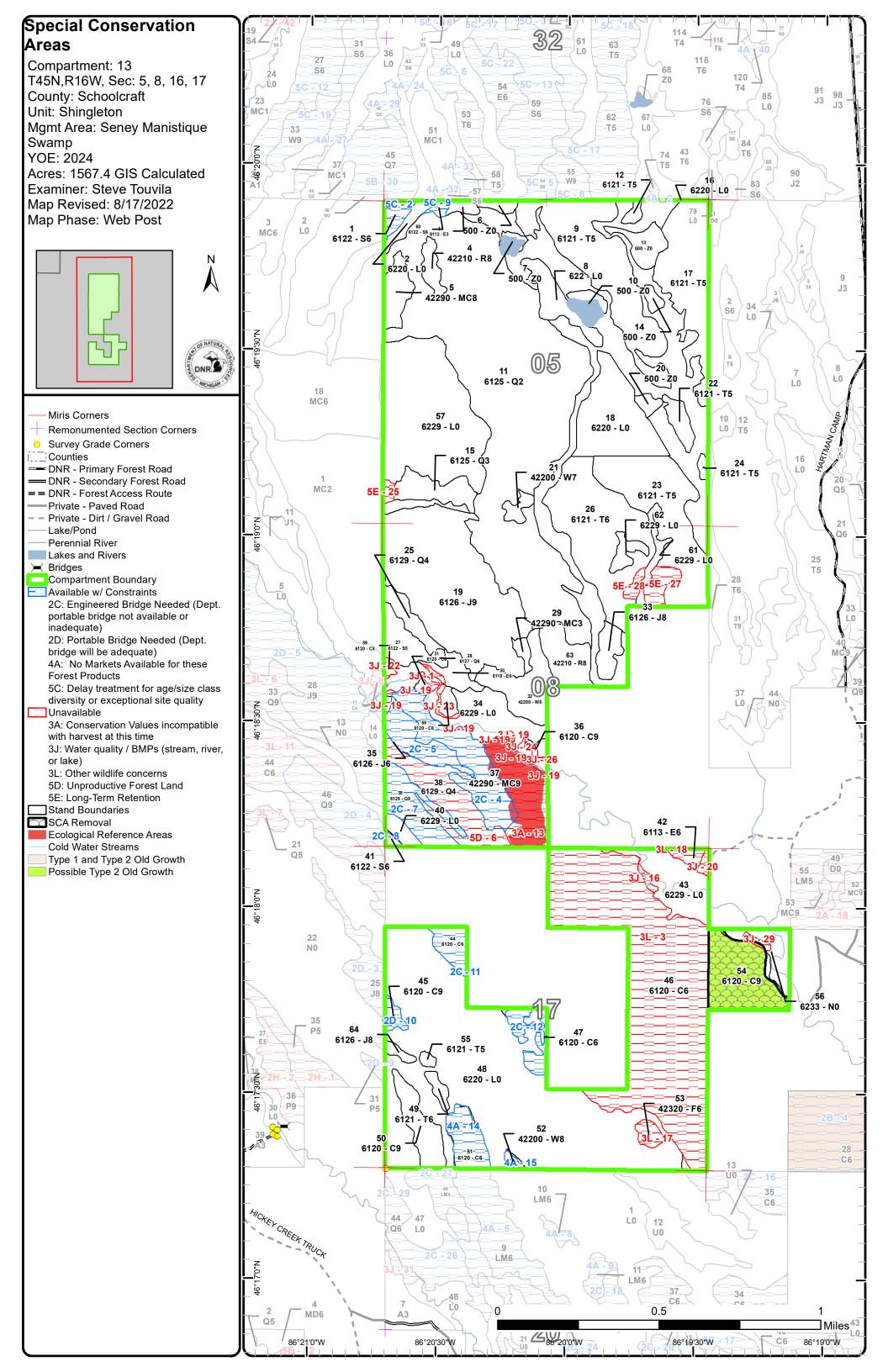
The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries

Details on the road access system







Shingleton Mgt. Unit

Steve Touvila : Examiner

Compartment 13 Year of Entry 2024



Age Class

			,	,	,	,	,	,	,	,	,	,	,	,	,		,	,	, ,
	/	,	/ } ³ / _s		P S	/ 3 / §		/ % /s	/ 8 / k							/ 8		/ \$ / §	A A A A A A A A A A A A A A A A A A A
	\ \ \ \ \ \		<u>/ ``</u>	/ '	<u>/</u>	<u>/ </u>	<u>/ </u>	<u>/ </u>		<u>/ </u>	<u>/ </u>	/ 1/2		/ ×	/ *	_ ~		/ 31	
Cedar	0	0	0	0	0	0	0	0	0	4	2	205	1	30	2	0	0	0	244
Jack Pine	0	0	0	0	0	0	0	0	0	0	0	2	115	0	0	0	0	0	117
Lowland Conifers	0	0	0	233	20	0	0	0	27	19	0	0	0	0	0	0	0	0	298
Lowland Deciduous	0	0	0	0	2	0	0	0	0	11	0	0	0	0	0	0	0	0	13
Lowland Shrub	510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	510
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	1	6	0	10	0	0	0	0	0	17
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	2	0	0	0	0	0	0	0	0	10	0	55	0	0	0	67
Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	5	14	0	0	0	0	19
Tamarack	0	0	0	0	0	0	0	0	0	0	0	4	216	0	0	0	0	0	220
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Water	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	19	0	0	24
Total	543	0	0	235	22	0	0	0	27	38	8	211	360	46	57	19	0	0	1564



Report 2 – Treatment Summary

Shingleton Mgt. Unit Year of Entry: 2024

Acres of Harvest

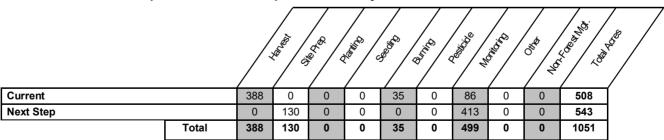
Compartment 13
Total Compartment Acres: 1,567

Commercial Harvest - 385 Harvests with Site Condition - 3 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

			_									
								initial September 1	To the last of the			
Cedar		3	0	0	0	0	0	0	0	0	3	ĺ
Jack Pine		101	0	0	0	0	0	0	0	0	101	
Lowland Deciduous		6	0	0	0	0	0	0	0	0	6	
Lowland Spruce/Fir		10	0	0	0	0	0	0	0	0	10	
Natural Mixed Pines		0	0	0	0	0	0	10	0	0	10	
Red Pine		0	0	0	19	0	0	0	0	0	19	
Tamarack		220	0	0	0	0	0	0	0	0	220	
White Pine		19	0	0	0	0	0	0	0	0	19	
	Total	359	0	0	19	0	0	10	0	0	388	

Proposed and Next Step Treatments by Method





Compartment: 13

Year of Entry: 2024

S t a

n

d

Treatment Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat Density Method Name Age Objective Structure CoverType Range Type Cut

Proposed Treatments:

4 41013004-Cut 5.1 42210 - Natural Red Sawtimber 110 81-110 Harvest Seed Tree 42210 - Natural Even-Aged No Pine Medium Red Pine

<u>Prescription</u> Cut all merchantable species except hemlock and cedar if found. Leave 20-30 BA red pine for seed trees. Cut the merchantable species to 2" <u>Specs:</u> DBH for scarification. Pile all tops outside of treatment area to prep for scarification. Make the piles 4-5' tall to provide for rabbit habitat.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable red pine

Regen:

Other Another option to try other than scarification is a tractor plow training day. Make lots of random small plow trenches for a seed bed and/or scuff to mineral soil with the blade.

Site Condition:

Proposed Start Date: 10/1 /2023

5 41013005-Cut 9.5 42290 - Natural Sawtimber 110 81-110 Harvest Overstory 42260 - Natural Even-Aged No Mixed Pine Medium Removal Pine, Mixed Deciduous

<u>Prescription</u> Cut all merchantable species except for hemlock and cedar if found. No retention blocks are necessary due to the small size. Leave up to a total <u>Specs:</u>
BA of 10 between the red and white pine for structural diversity, wildlife, and for potential seed source to supplement the current regeneration.

Next Step Treatments:

Acceptable white pine, red pine, red maple, balsam fir, paper birch, hemlock, white spruce, black spruce; in any combination

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

41013019-Cut 93.9 6126 - Lowland Sawtimber 112 111-Harvest Clearcut with 6126 - Lowland Even-Aged No Jack Pine Well 140 Retention Jack Pine

Prescription Clearcut with retention. Cut all species to 2" DBH to facilitate scarification. Don't cut white and red pine, and don't cut hemlock if found. Winter cut or dry summer conditions only. Cutting in the spring time is also not possible due to significant access road flooding. The old redline will need to be refreshed, and add an area of retention per guidelines.

to be refreshed, and add an area of retention per guidelines.

SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Next Step
Treatments:

jack pine, black spruce, white pine, red pine, balsam fir, paper birch, red maple; in any combination, should come back as jack pine with a

Acceptable jack pine, black spruce, whi Regen: component of black spruce

Other Scarification seems to be the better option to burning. The low ground would likely present equipment access issues for burning.

Comment:

Site Condition:

Shingleton	Mgt.	Unit
------------	------	------

Report 3 -- Treatments

3
024

S t a DNR DNR

t a												,	M/CHIGAN
n d	Treati Nar		Acres	Sta Cove	and rType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	410130)23-Cut	48.2	6121 -	Tamarack	Poletimber Medium	r 112	51-80	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
	escription ecs:	stand a	s shown	on the ma	ıp	·		•		ck if found. Leave a		ne southwest p	part of the
	ext Step eatments:	Monito	ing, Natu	ıral Reger	ı (Re-Invent	ory)							
	ceptable gen:	tamara	ck, black	spruce, ja	ack pine, ba	llsam fir, wh	ite pine	, white spr	ruce, red maple	e, paper birch, aspe	n; all in any combina	ation	
	<u>her</u> mment:								eneration such paper birch.	as red maple comi	ng in. The southwe	est part of the	retention
Sit	e Conditio	<u>n:</u>											
Pro	oposed St	art Date:	10/1 /2	023									
26	41013)26-Cut	56.0	6121	Tamarack	Poletimber Well	r 112	81-110	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
	escription ecs:	Clearcu	ut with ret	ention all	merchantab	ole species e	except f	for white p	ine, red pine, a	nd cedar if found.			
	xt Step eatments:	Monito	ring, Natu	ıral Reger	n (Re-Invent	ory)							
	ceptable gen:	tamara	ck, black	spruce, ja	ack pine, wh	nite pine, red	d pine, t	balsam fir,	white spruce, r	red maple, paper bi	rch, aspen; in any c	ombination	
	<u>her</u> mment:												
Sit	e Conditio	<u>n:</u>											
Pro	oposed St	art Date:	10/1 /2	.023									
27	410130)27-Cut	10.2	6122 - BI	ack Spruce	Poletimber Medium	r 112	111- 140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
	escription ecs:	cut or c	lry summ	er condition	ons only. C		spring t	time is also		cut white and red pi due to significant ac	,		
	xt Step eatments:	SitePre	p, Scarifi	cation; M	lonitoring, N	latural Rege	en (Re-I	nventory)					
	ceptable gen:			ck pine, w ck pine co		ed pine, bals	am fir,	red maple	, paper birch; ir	n any combination, i	most likely will be de	ominated by b	olack
	<u>her</u> mment:	Scarific	ation see	ems to be	the better o	ption to burn	ning. W	Vet ground	l would likely re	sult in equipment a	ccess issues for bu	rning.	

Site Condition:

s t		Shingleto	n Mgt. Unit		Repo	rt 3 ⁻	Treatments	S	Compartment Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
30	41013030-Cu		6119 - Mixed Lowland Deciduous Forest	Poletimbe Well	er 83	81-110	Harvest	Clearcut	6119 - Mixed Lowland Deciduous Forest	Even-Aged	No
Prese Spec			hantable species exc nd starting to die off.	•				size of the maple is on d by wildlife.	the smaller side.	The paper bi	rch is large
	<u>Step</u> Monit tments:	oring, Natur	al Regen (Re-Invent	ory)							
Acce Rege		naple, paper	birch, quaking aspe	n, white pin	ne, red p	oine, balsa	ım fir, black spı	ruce; in any combinati	on		
Othe Com	<u>r</u> Acrea <u>ment:</u>	age may var	y depending on grou	ınd conditio	ns in th	e southerr	n part of the sta	and. Maintain a 100' b	uffer for the river.		
	Condition:										
Prop	osed Start Da	<u>te:</u> 10/1 /20	023								
32	41013032-Cu	ıt 19.2	42200 - Natural White Pine	Sawtimbe Medium		51-80	Harvest	Clearcut with Retention	42201 - Natural White Pine, Mixed Deciduous	Even-Aged	No
Preso Spec	•		able species but leav e leave trees will ser				e up 20 BA of v	white and red pine as	seed source to su	pplement the	existing
	<u>Step</u> Monit tments:	oring, Natur	ral Regen (Intermedia	ate)							
Acce Rege		pine, red pi	ne, black spruce, ba	lsam fir, red	d maple	, quaking	aspen, paper b	oirch, hemlock, cedar;	in any combinatio	n	
Othe Other	<u>r</u>										

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

33	41013033-Cut	6.7	6126 - Lowland	Sawtimber	112	51-80	Harvest	Clearcut	6126 - Lowland	Even-Aged	No
			Jack Pine	Medium					Jack Pine		

<u>Prescription</u> Cut all all species to 2" DBH to facilitate scarification. Don't cut white pine, red pine, or cedar if found. No retention needed due to small acreage <u>Specs:</u>

 $\underline{\underline{\text{Next Step}}} \hspace{0.5cm} \textbf{SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)} \\$

Treatments:

Acceptable jack pine, tamarack, balsam fir, white spruce, white pine, red pine, red maple, paper birch, aspen; in any combination

Regen:

Other The old red line will need refreshing.

Comment:

Site Condition:

Nο

s t

63

а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Range Method Objective Structure Name CoverType Density Age Type Cut d

41013063-Cut 14.2 42210 - Natural Red Sawtimber 141-Harvest Seed Tree Pine Medium 170

42111 - Planted Even-Aged Red Pine, Mixed

Prescription Cut all merchantable species but leave hemlock and cedar. Leave 20-30 BA of red pine as seed source. Designate the dense areas of red pine Specs: as areas for the slash to be removed; this may be roughly about 1/2 the stand acreage. These areas will be scarified or tractor/plow work to

Deciduous

Compartment: 13

Year of Entry: 2024

prepare a red pine seedbed.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable red pine, white pine, balsam fir, red maple, black spruce, quaking aspen; in any combination

Regen:

Other The more open areas have thicker red maple regeneration and we will leave that as is. Comment: Place the slash from the thicker red pine areas outside the sale in 4-5' piles for rabbit cover.

Site Condition:

Proposed Start Date: 10/1 /2023

Approved Treatments:

41013008-12.2 622 - Lowland Shrub Nonstocked 6126 - Lowland No Unspec Monitoring Natural Regen Even-Aged Monitor ified (Re-Inventory) Jack Pine

Prescription Specs:

Next Step Treatments:

Acceptable any species.

Regen:

Percent to Treat = 100% Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2020

41013009-Cut 61.6 6121 - Tamarack Poletimber 112 51-80 Harvest Clearcut with 6121 - Tamarack Even-Aged No

Medium

Retention

Prescription CC with reserves - reserve any red & white pine, hemlock and cedar.

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Any mix of the current species on-site is acceptable. Acceptable

Regen:

Old next step comments: Natural regeneration - All conifer spp. plus aspen and birches are acceptable regeneration. Consider burning as Other

Comment: needed to stimulate natural regeneration.

Site Condition:

Compartment: 13

Year of Entry: 2024

S

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

41013012-Cut 6121 - Tamarack Poletimber 51-80 Harvest Clearcut with 6121 - Tamarack Even-Aged Nο Medium Retention

Clearcut w/reserves - reserve all white pine plus any hemlock & cedar encountered in this stand. Due to the small size of the stand, no other Prescription

Specs: retention is necessary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of the current species on site is acceptable.

Regen:

Other Consider adding stand 41158074 (prescribed for harvest in YOE 2013) when preparing this stand for harvest if it has not already been prepped Comment: for sale. Old next step comments: Natural regeneration is expected - all conifer spp. are acceptable. Natural regeneration - All conifer spp. plus

aspen and birches are acceptable regeneration. Consider burning as needed to stimulate natural regeneration.

Site Condition:

Proposed Start Date: 10/1 /2014

41013017-Cut 44.6 6121 - Tamarack Poletimber 112 51-80 Clearcut with 6121 - Tamarack Even-Aged Nο Harvest Retention Medium

Prescription CC with reserves - reserve any red & white pine, hemlock and cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Any mix of current species on-site is acceptable. <u>Acceptable</u>

Regen:

Old next step comments: Natural regeneration - All conifer spp. plus aspen and birches are acceptable regeneration. Consider burning as Other

Comment: needed to stimulate natural regeneration.

Site Condition:

Proposed Start Date: 10/1 /2014

6229 - Mixed 57 41013019-20.7 Nonstocked n Unspec Monitorina Natural Regen 6126 - Lowland Even-Aged No Monitor lowland shrub ified (Intermediate) Jack Pine

Prescription scarified in 2016. monitor according to work instructions

Specs:

Next Step Treatments:

Acceptable Jack pine, black Spruce. Tamarack

Regen:

Acceptable regeneration includes all conifer spp. plus aspen and birches. Old next step comments: Regenerate jack pine etc. using acceptable Other

Comment: practices for natural regeneration.

Site Condition:

Proposed Start Date: 10/1 /2023

41013022-Cut 5.5 6121 - Tamarack Poletimber 112 51-80 Harvest Clearcut with 6121 - Tamarack Even-Aged No Medium Retention

Prescription CC with reserves - reserve any red & white pine, hemlock and cedar.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of current species on-site

Regen:

Old next step comments: Natural regeneration - All conifer spp. plus aspen and birches are acceptable regeneration. Consider burning as Other

Comment: needed to stimulate natural regeneration.

Site Condition:

s t		Shingletor	n Mgt. Unit	F	Repor	t 3 T	Treatments		Compartmen Year of Entry		OF NATURAL PROPERTY OF NAT
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24	41013024-Cu	ut 1.8	6121 - Tamarack	Poletimber Medium	112	51-80	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
Pres Spe		ith reserves	- reserve any red &	white pine,	hemloc	k and ced	dar.				
	<u>d Step</u> Monit atments:	oring, Natura	al Regen (Re-Invent	tory)							
	<u>ceptable</u> Any r g <u>en:</u>	mix of current	t species on-site is a	acceptable.							
Oth Cor			mments: Natural re te natural regenera		All con	ifer spp. p	olus aspen and b	oirches are acceptal	ble regeneration. C	onsider burnir	ng as
	Condition:										
	posed Start Da										
45	41013045-Cı	ıt 3.0	6120 - Lowland Cedar	Sawtimber Well	102	141- 170	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
Pre: Spe		II species wit	thin stand, Retention	n should be i	in pock	et.					
	<u>d Step</u> Monit atments:	oring, Natura	al Regen (Re-Invent	tory)							
Acc Rec	<u>septable</u> Any s g <u>en:</u>	species curre	ently on site								
Oth Cor	<u>er</u> nment:										
Site	Condition: P	ortable Bridg	e Needed								
Pro	posed Start Da	<u>te:</u> 10/1 /20	19								
57	41013057- Monitor	52.6	6229 - Mixed lowland shrub	Nonstocke	d 0	Unspec ified	Monitoring	Natural Regen (Intermediate)	6126 - Lowland Jack Pine	Even-Aged	No
Pre: Spe	scription reger ecs:	n check.									
	<u>d Step</u> atments:										
	<u>ceptable</u> Jack gen:	pine, black S	Spruce. Tamarack								
Oth Cor	<u>er</u> Perce nment:	ent to Treat =	= 100%								
Site	Condition:										
Pro	posed Start Da	te: 10/1 /20	23								
	NF_41013018 Burn		6220 - Alder/willow	Nonstocke	d		Burn	Slash	6126 - Lowland Jack Pine	Even-Aged	No
Pre: Spe	scription Burn ecs:	under FTP C	C41-1180								
NI.											

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration: Jack pine/black spruce are desirable, but all conifer spp. plus aspen & birches are acceptable.

Regen:

<u>Other</u> Old next step comments: See FTP C41-1180 - Acceptable regeneration: Jack pine/black spruce are desirable, but all conifer spp. plus aspen &

Comment: birches are acceptable. Follow up with regen survey per the work instructions.

Site Condition:

s t		Shingleton	Mgt. Unit		Repor	t 3	Treatments		Compartme Year of Enti		OF NATURAL PROBLEMS OF NAT
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Total Treatment Acreage Proposed: 508

Shingleton Mgt. Unit

Compartment: 13 Year of Entry: 2024 Steve Touvila : Examiner

Availa	ability for	Managemer	nt										
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	s				
Acres	Available	With Condition	Not Available		2C	2D	4A	5C	3A	3J	3L	5D	5E
245	48	30	166	Cedar	16	3	12			7	160		
116	103	13	1	Jack Pine	13					1			
299	254	19	26	Lowland Conifers	19							26	
13	9	0	5	Lowland Deciduous						2	3		
510	508	0	2	Lowland Shrub	0		0		0	0			2
17	10	7	0	Lowland Spruce/Fir	1			6					
10	10	0	0	Marsh									
66	12	29	26	Natural Mixed Pines	29				25	1		0	
19	19	0	0	Red Pine									
220	213	0	8	Tamarack									8
3	0	0	3	Upland Spruce/Fir							3		
23	23	0	0	Water									
24	23	1	0	White Pine			1						
1,567	1,231	100	236	Total Forested Acres	<i>7</i> 8	3	13	6	25	10	166	26	9
	79%	6%	15%	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.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	t Branch Manistique River.					
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Shingleton Mgt. Unit

Steve Touvila : Examiner

3	Unavailable	3L: Other wildlife concerns	160 Unspecified		Unspecified	Unspecified	Unspecified
	Comments:						
4	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	29	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
5	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5D: Unproductive Forest Land	26	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	19	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Shingleton Mgt. Unit

Steve Touvila : Examiner

8	Available	vailable 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)		Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
10	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
11	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
12	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Shingleton Mgt. Unit

Steve Touvila : Examiner

13	Unavailable	3A: Conservation Values incompatible with harvest at this time	25	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA - Dry mesic n	orthern forest					
14	Available	4A: No Markets Available for these Forest Products	12	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
15	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	st Branch Manistique River.					
17	Unavailable	3L: Other wildlife concerns	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
18	Unavailable	3L: Other wildlife concerns	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Shingleton Mgt. Unit Steve Touvila : Examiner

19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	t Branch Manistique River.					
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	t Branch Manistique River tribu	tary.				
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Manistique River.						
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' Buffer for Man	istique River.					
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	t Branch of Manistique River.					
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long term retentior	n from Lucky 13 harvest.					
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer for Wes	t Branch Manistique River.					

Compartment: 13

Shingleton Mgt. Unit

Steve Touvila : Examiner Year of Entry: 2024

27	Unavailable	available 5E: Long-Term Retention		Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Long term retention	n for harvest of larger part of the	e stand.						
28	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Long term retention	n for harvest of larger part of the	e stand.						
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified		
Comments: 100' buffer for West Branch Manistique River.									

8/17/2022 3:13:38 PM - Page 6 of 6 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				

Shingleton Mgt. Unit Compartment: 13
Year of Entry 2024



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	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area				
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial				
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (rathreatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological psubmit recommendations for lands as ERAs using the DNR Constitutions.	al Features Inventory (MNFI) within the toccurrences with viability ranks of A writy) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may				



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age I	BA Range Managed Site		ite	General Comments
1	6122 - Bl	lack Spruce	•	Poletimb	er Well	4.5	95	81-110	N/A		Small stand that is healthy with no current signs of breaking up.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Hemlock	1	Pole/Log	9		Wh	ite Pine	Medium	Variable	Sapling	
	Red Maple	10	Pole	8		Red	d Maple	Low	10 - 20 feet	Sapling	
	Black Spruce	59	Pole	8	95	Blac	k Spruce	Medium	Variable	Sapling	
	Paper Birch	10	Pole	8							
-	White Pine	20	Log/XLog/Po	le 14							
2	6220 - A	Alder/willow		Nonsto	cked	4.0	ι	Unspecified	No		Lowland brush with scattered black spruce and tamarack.
3	6113 - Lo	wland Mapl	e	Sapling		2.3	35	81-110	N/A		The larger tamarack has died off. The stand is dominated by young red maple with scattered mature tamarack and black spruce.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	maple with scattered mature tamaraok and black sprace.
	Red Maple	85	Sapling	3	35	Blac	k Spruce	Trace	< 5 feet	Sapling	
	Black Spruce	5	Pole	7							
	Tamarack	10	Pole	8							
4	42210 - Na			awtimber			110	81-110	N/A		Large diameter red pine that was thinned in 2000. Moderately stocked mixed regeneration that would be released with a treatment. The black
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	spruce regeneration is in clumpy patches. There's more volume here than
	Paper Birch	1	Pole	7			ite Pine	Medium	5 - 10 feet	Sapling	the imagery indicates.
	Red Pine	99	Log/XLog	16	110		ed Pine	Trace	5 - 10 feet	Sapling	
							k Spruce	Medium	5 - 10 feet	Sapling	
							er Birch	Trace	>20 feet	Sapling	
						Red	d Maple	Low	>20 feet	Sapling	
5	42290 - Natu	ural Mixed F	Pine S	awtimber	Medium	9.5	110	81-110	N/A		Large diameter red and white pine that was thinned in 2000. There's a medium amount of regeneration that could be released and merged with
	Canopy Species	% Cover			Age		nopy Species		Avg. Height	Size	the adjoining stand with a treatment.
	Red Pine	52	Log/XLog	16	110		ite Pine	Medium	5 - 10 feet	Sapling	
	Red Maple	1	Pole	7			ed Pine	Trace	5 - 10 feet	Sapling	
1	White Pine	47	Log/XLog	16		Red	d Maple	Medium	10 - 20 feet	Sapling	
6	500 -	- Water		Nonsto	cked	2.4	l	Unspecified	No		Water levels vary seasonally.
7	500 -	- Water		Nonsto	cked	2.7	l	Unspecified	No		Water levels vary seasonally.
8	622 - Lov	vland Shrub)	Nonsto	cked	12.2	0 (Unspecified	613 - Lowland Mi.	xed Forest	contract TS 41-015-10-01 Moosetrack Tamarack. unit 4 cut in 2015.

Compartment: 13

Year of Entry: 2024 **General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 6121 - Tamarack 55.9 N/A Poletimber Medium 112 51-80 This stand is primarily tamarack with varying amounts of black spruce and 9 jack pine mixed in. The site is wet, and slight elevation changes within the **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size stand dramatically alter the stand composition, crown closure and site Black Spruce 8 Black Spruce Variable Sapling 25 Pole/Sapling Low indices. Scattered birches, aspen and fir are also present. Sapling Tamarack 55 Log/Pole 10 112 Tamarack Low Variable Jack Pine 15 Log/Pole 10 Jack Pine Low Variable Sapling 3 14 Tall Shrub White Pine Loa Tag Alder Medium Variable 2 Red Maple Pole 6 Balsam Fir Low Variable Sapling Sapling White Pine Low Variable 500 - Water 10 Nonstocked 4.9 Unspecified No Water levels vary seasonally. 6125 - Lowland Black Spruce, Jack Pine 233.0 22 N/A Sapling Medium **Immature** The regeneration is growing fairly well in the areas of higher ground. The 11 wetter areas are more sparse and feature more deciduous shrubs. Size **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height 3 White Pine 16 Black Spruce Medium < 5 feet Sapling Sapling Red Pine 3 Sapling 2 White Pine Low < 5 feet Sapling Jack Pine 40 Sapling 3 22 Deciduous Shrubs Medium < 5 feet Tall Shrub Paper Birch 3 2 Sapling White Pine 2 Log/XLog 16 18 2 Black Spruce Sapling Quaking Aspen 1 Sapling 2 8 3 Tamarack Sapling 8 2 Red Maple Sapling Red Pine Log/XLog 16 6121 - Tamarack Poletimber Medium 1.8 112 51-80 N/A Island of tamarack w/jack pine & black spruce mixed in. Generally wet 12 ground **DBH Age Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Size Paper Birch Black Spruce Variable 2 Pole/Sapling 7 Low Sapling 9 20 Sapling Black Spruce Pole Balsam Fir Low Variable Tamarack 60 Pole 9 112 Tag Alder Medium Variable Tall Shrub 3 14 White Pine Log Red Maple Low Variable Sapling 15 Jack Pine Log/Pole 10 500 - Water Nonstocked 8.0 Unspecified No Water levels vary seasonally. 13

Unspecified

No

14

500 - Water

Nonstocked

2.1

Water levels vary seasonally.



Stand	and Level 4 Cover Type			Size Density		Stand Age B	A Range	Managed S	Site	General Comments		
15	6125 - Lowland Bla	ack Spruce,	Jack Pine	Sapling Well	11.9	35	1-50	N/A		This area is somewhat lower and wetter than the surrounding stands. The		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	black spruce is small diameter for it's age. The jack pine and white pine are growing well at this site.		
	White Pine	5	Pole/Sapling	7	Ja	ick Pine	Low	Variable	Sapling	and growing from at the one.		
	Jack Pine	46	Pole/Sapling	5 35	Blad	ck Spruce	Medium	>20 feet	Sapling			
	Black Spruce	44	Pole/Sapling	5 76	WI	hite Pine	Low	Variable	Sapling			
	Paper Birch	5	Sapling	3	Decid	uous Shrubs	Medium	Variable	Tall Shrub			
16	6220 <i>- F</i>	Alder/willow		Nonstocked	117.4	U	nspecified	No		Lowland brush complex that includes areas of open marsh and scattered trees.		
17	6121 -	Tamarack	Pol	etimber Medium	40.0	112	51-80	N/A		Wet site featuring tamarack with black spruce and jack pine mixed in. A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	few white pine and red maple are also present. The understory is a mix of lowland brush and conifer saplings. Slight elevation changes dramatically		
	Black Spruce	30	Pole	8	Re	ed Maple	Low	Variable	Sapling	affect the site indices and crown closure.		
	Tamarack	60	Pole/Log	10 112	Ta	marack	Low	Variable	Sapling			
	Jack Pine	10	Pole	9	WI	hite Pine	Low	Variable	Sapling			
					Ва	ılsam Fir	Low	Variable	Sapling			
					Ta	ag Alder	Medium	Variable	Tall Shrub			
					Blad	ck Spruce	Low	Variable	Sapling			
18	6220 <i>- F</i>	Alder/willow		Nonstocked	34.9			4212 - Planted	Jack Pine			
					Sub-Ca	nopy Species	Density	Avg. Height	Size			
					Ja	ick Pine	Low		Sapling			
					Ta	marack	Low		Sapling			
					Blad	ck Spruce	Low		Sapling			
19	6126 - Low	land Jack P	ine S	awtimber Well	93.9	112	111-140	N/A		1/5/2022 Stand was not cut Lucky 13 was not completed and sale was		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Triumed and closed. This stand is dying back and should be treated now for regeneration.		
	Jack Pine	62	Log/Pole	10 112	Ta	ag Alder	Low	Variable	Tall Shrub			
	Black Spruce	35	Pole/Sapling	7	WI	hite Pine	Trace	Variable	Sapling			
	Paper Birch	1	Pole	6	Re	ed Maple	Low	Variable	Sapling			
	White Pine	1	Log/XLog	16	Blad	ck Spruce	Medium	>20 feet	Sapling			
	Red Pine	1	Log	16						-		
20	500	- Water		Nonstocked	2.4	U	nspecified	No		Water levels vary seasonally.		



Stand	i Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
21	42200 - Nat	ural White F	Pine Sa	Sawtimber Poor		3.3	119	81-110	N/A		Healthy large-diameter pine - thinned in 2000. Age is an estimate based on
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	comparison to similar stands nearby. The overall regeneration is well stocked.
	White Pine	65	XLog/Log	18	119	Re	ed Maple	Medium	Variable	Sapling	
	Red Pine	35	Log/XLog/Pole	16		Bla	ck Spruce	Low	10 - 20 feet	Sapling	
						W	hite Pine	Medium	5 - 10 feet	Sapling	
						Ja	ack Pine	Low	10 - 20 feet	Sapling	
						R	Red Pine	Low	5 - 10 feet	Sapling	
22	6121 -	Tamarack	Pol	etimbe	Medium	5.4	112	51-80	N/A		Tamarack & spruce with other spp mixed in. The terrain features slight lelevation changes which greatly affect the site indices and also species
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	composition within the stand. Overall the site is fairly wet.
	Jack Pine	15	Log/Pole	10		Bla	ck Spruce	Low	Variable	Sapling	,,,,
	Red Maple	2	Pole	8		Ta	amarack	Low	Variable	Sapling	
	Black Spruce	20	Pole/Log	9		T	ag Alder	Medium	Variable	Tall Shrub	
	Tamarack	60	Pole/Log	10	112	Ва	alsam Fir	Low	Variable	Sapling	
	White Pine	3	Log	14		Re	ed Maple	Medium	Variable	Sapling	
23	6121 -	6121 - Tamarack Poletimbe			Medium	53.8			N/A		Remained untreated from TS 41-015-10-01 Moosetrack Tamarack. The
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand should be treated now as the tamarack is dying off. The basal area varies because of the dieback.
	Red Maple	1	Pole	8		Pa	per Birch	Low	>20 feet	Sapling	
	Black Spruce	16	Pole	8		Decid	uous Shrubs	Medium	< 5 feet	Tall Shrub	
	Paper Birch	2	Pole/Sapling	6		T	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Jack Pine	10	Log/Pole	10		Bla	ck Spruce	Low	Variable	Sapling	
	White Pine	5	Log/XLog	16							
	Tamarack	66	Pole	9	112						
24	6121 -	Tamarack	Pol	etimbe	Medium	1.3	112	51-80	N/A		Tamarack/spruce/jack pine with other spp mixed in. The site is fairly wet.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	60	Log/Pole	10	112	Bla	ck Spruce	Medium	Variable	Sapling	
	Black Spruce	20	Pole/Log	8			ag Alder	Medium	Variable	Tall Shrub	
	Jack Pine	20	Log/Pole	10		Ba	alsam Fir	Low	Variable	Sapling	
25	6129 - Mixed Conif	erous Lowla	and Forest Po	oletimb	er Poor	7.3	37 U	nspecified	N/A		Wet site that contains small diameter slow growing black spruce. The scattered white pine is growing well here and more advanced saplings are
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	filling in.
	Black Spruce	45	Sapling/Pole	4			ck Spruce	Medium	>20 feet	Sapling	_
	Jack Pine	3	Pole/Sapling	5		Re	ed Maple	Low	10 - 20 feet	Sapling	
	Paper Birch	2	Sapling	3		Decid	uous Shrubs	Medium	5 - 10 feet	Tall Shrub	
	Tamarack	5	Pole/Sapling	5		W	hite Pine	Low	Variable	Sapling	
	White Pine	45	Pole/Sap/Log	7	37						



Stand	Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments						
26	6121 -	Tamarack	P	Poletimber Well		58.0	112	81-110	N/A		The tamarack is healthier in this stand as compared to the stand to the
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	east. There's some dieback and it will continue as it has throughout this compartment.
	Black Spruce	17	Pole	8		Bla	ck Spruce	Low	Variable	Sapling	osinparanoni.
	Red Maple	2	Pole	8		Pa	per Birch	Low	>20 feet	Sapling	
	Red Pine	1	Log	14		W	hite Pine	Trace	5 - 10 feet	Sapling	
	Paper Birch	3	Pole/Sapling	6		Decid	uous Shrubs	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	1	Log/Pole	10		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	1	Log/XLog	16		Re	ed Maple	Low	>20 feet	Sapling	
	Jack Pine	5	Log/Pole	10							•
	Tamarack	70	Pole	9	112						
27	6122 - Bl	ack Spruce	Pole	etimbe	r Mediun	n 10.2	112	111-140	N/A		Jack pine/black spruce mix - somewhat wetter than the large jp/spruce mix
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	to the north. The growth isn't as good in this stand, there's more sub- merchantable black spruce than the stand to the north. The majority of the
	Tamarack	2	Pole/Log	9		Re	ed Maple	Low	Variable	Sapling	jack pine is in the south half of the stand.
	White Pine	3	Log/XLog	16		W	hite Pine	Low	Variable	Sapling	
	Jack Pine	26	Pole/Log	9	112	Decid	uous Shrubs	Medium	Variable	Tall Shrub	
	Red Pine	1	Log	16		Bla	ck Spruce	Medium	>20 feet	Sapling	
	Black Spruce	68	Pole/Sapling	7	112						
28	6127 - Lo	wland Pine	e Po	oletimb	er Well	1.3	37	51-80	N/A		Thick regeneration with the white pine growing well.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Black Spruce	35	Sapling/Pole	4	53	Re	ed Maple	Low	>20 feet	Sapling	
	Red Maple	5	Sapling	3		Pa	per Birch	Low	>20 feet	Sapling	
	White Pine	60	Pole/Sapling	7	37	Bla	ck Spruce	High	>20 feet	Sapling	
				,		W	hite Pine	Medium	>20 feet	Sapling	
29	42290 - Nati	ural Mixed F	Pine	Saplin	g Well	2.3	23	Immature	N/A		Regeneration filling in good on this site with jack pine and white pine becoming the dominate species.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	becoming the dominate species.
	Red Maple	9	Sapling	2		Bla	ck Spruce	Low	5 - 10 feet	Sapling	
	Black Spruce	8	Sapling	2		Já	ack Pine	Low	5 - 10 feet	Sapling	
	White Pine	23	Sapling	3		W	hite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	1	Sapling	2							
	Jack Pine	58	Sapling	3	23						
	Jack I IIIC	50	Caping	3	23						



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments	
30	6119 - Mixed Lowland Deciduous Forest			Poletimber Well		7.0	7.0 83 81-		N/A		The aspen is dying back and the paper birch is beginning to die back. Treating now will help regenerate and preserve aspen and paper birch as a	
	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	component of this stand.	
	Quaking Aspen	7	Log	12		Bla	ck Spruce	Low	Variable	Sapling	'	
	Paper Birch	39	Pole	8		Re	ed Maple	Medium	Variable	Sapling		
	Black Spruce	3	Pole	6		Ва	ılsam Fir	Full	5 - 10 feet	Sapling		
	Balsam Fir	2	Pole	6								
	Red Maple	45	Pole	7	83							
	White Pine	3	Log/XLog	16								
No	orthern White Cedar	1	Pole	8								
31	6120 - Lo	wland Ceda	ar	Poletimb	er Well	2.0	90	141-170	N/A		Cedar poles along the south side of the West Branch Manistique River.	
	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Paper Birch	5	Pole	8		Norther	n White Cedar	Low	>20 feet	Sapling		
	Red Maple	1	Pole	8		Pa	per Birch	Trace	>20 feet	Sapling		
No	orthern White Cedar	94	Pole	8	90			,				
32	42200 - Nati	ural White F	Pine S	awtimbe	r Medium	19.2	142	51-80	N/A		Last thinned in 2000. Canopy more open than adjacent red pine stand. Large diameter white pine brings the BA up into this range. A pocket of	
	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen saplings are located in the southwest corner, as well as a few matur	
No	orthern White Cedar	1	Pole/Log	9		Re	ed Maple	Medium	10 - 20 feet	Sapling	cedar. Overall regeneration is medium stocked.	
	Red Pine	5	Log/XLog	16			Beech	Trace	5 - 10 feet	Sapling		
	White Pine	93	XLog/Log	18	142	Qua	king Aspen	Low	>20 feet	Sapling		
	Hemlock	1	Log	14		Bla	ck Spruce	Low	5 - 10 feet	Sapling		
						W	hite Pine	Low	Variable	Sapling		
33	6126 - Lowl	and Jack P	ine S	awtimbe	r Medium	6.7	112	51-80	N/A		Mature jack pine that is starting to break up.	
	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Tamarack	4	Pole	8		Bla	ck Spruce	Low	Variable	Sapling		
	Paper Birch	5	Pole/Sapling	g 6		W	hite Pine	Trace	5 - 10 feet	Sapling		
	Red Maple	2	Pole	8		Re	ed Maple	Low	>20 feet	Sapling		
	Black Spruce	10	Pole	8		Pa	per Birch	Low	>20 feet	Sapling		
	Jack Pine	78	Log/Pole	10	112							
	White Pine	1	Log/XLog	16								
34	6229 - Mixed	d lowland sl	nrub	Nonst	ocked	29.8	ι	Inspecified	No			
						Sub-Ca	nopy Species	Density	Avg. Height	Size		
						Norther	n White Cedar	Low		Pole		
						Decidu	ous Saplings	Medium		Tall Shrub		
							Conifers	Low		Pole		



Stand	Stand Level 4 C		,	Size Density		Acres	Stand Age B	A Range	Managed S	Site	General Comments
35	6126 - Lowland Jack Pine			oletimb	er Well	13.9	119	111-140	N/A		Some dieback of the jack pine is now occurring.
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Pine	5	Log/Pole	12		Re	d Maple	Low	Variable	Sapling	
	White Pine	5	Log	12		Pap	er Birch	Low	>20 feet	Sapling	
	Jack Pine	90	Pole/Log	9	119	Blac	k Spruce	Low	Variable	Sapling	
						Northern	White Cedar	Low	5 - 10 feet	Sapling	
36	6120 - Lo	wland Ceda	ar S	awtimb	er Well	2.4	130	111-140	N/A		Stand of cedar logs along the West Branch of the Manistique River.
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	9		Ва	sam Fir	Trace	< 5 feet	Sapling	
North	ern White Cedar	90	Log	12	130	Northern	White Cedar	Trace	Variable	Sapling	
	Tamarack	5	Pole/Log	9							-
37	42290 - Nati	ural Mixed I	Pine S	awtimb	er Well	54.7	130	81-110	N/A		Large white pine with a variety of other spp. mixed in.
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	2	Pole	8		Ва	sam Fir	Low	5 - 10 feet	Sapling	
	Jack Pine	2	Pole	9		Northern	White Cedar	Trace	5 - 10 feet	Sapling	
Е	Black Spruce	5	Pole	7		Е	Beech	Trace	5 - 10 feet	Sapling	
	White Pine	58	Log/XLog/Pole	16	130	Re	d Maple	Low	Variable	Sapling	
	Red Pine	10	XLog/Log	18							-
I	Paper Birch	7	Pole	6							
North	ern White Cedar	8	Pole	8							
V	Vhite Spruce	8	Pole	8							
38 6	3129 - Mixed Conif	erous Lowl	and Forest P	oletimb	er Poor	26.5	70	1-50	N/A		Wet ground with tamarack being the dominant species and evenly
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	distributed throughout the stand.
Е	Black Spruce	35	Sapling/Pole	4		Blac	k Spruce	Low	Variable	Sapling	
	Jack Pine	5	Pole	8		Re	d Maple	Low	Variable	Sapling	
Qı	uaking Aspen	4	Log/Pole	10		Decidu	ous Shrubs	Medium	5 - 10 feet	Tall Shrub	
North	ern White Cedar	5	Sapling	3		Ja	ck Pine	Trace	Variable	Sapling	
	White Pine	3	Log/Pole	14		Та	marack	Low	Variable	Sapling	
	Tamarack	48	Pole	7	70			,			•
39 6	6129 - Mixed Conif	erous Lowl	and Forest S	awtimb	er Well	18.9	85	81-110	N/A		Mix of black spruce, pine, cedar, and a few scattered aspen.
С	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	10	Log/XLog	16		Re	d Maple	Medium	Variable	Sapling	
	White Pine	31	Log/XLog	16		Blac	k Spruce	Medium	Variable	Sapling	
Е	Black Spruce	45	Pole/Sapling	7	85						-
North	ern White Cedar	10	Log/Pole	10							
Qı	uaking Aspen	4	Log	11							



Stand	and Level 4 Cover Type			Size Density			Acres Stand Age BA Range		Managed S	ite	General Comments	
40	6229 - Mixed	rub	Nonstocked		3.9	l	Jnspecified	No				
41	6122 - Bla	ack Spruce	P	oletimb	er Well	1.1	85	81-110	N/A		This is a small continuation from the stand in the compartment to the west.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Here it turns to a black spruce dominated stand.	
	White Pine	30	Log/Pole	14			ck Spruce	Medium	Variable	Sapling		
	Jack Pine	10	Pole	9						1		
	Black Spruce	60	Pole	8	85							
42	6113 - Low	land Maple	e P	oletimb	er Well	3.8	80	51-80	N/A		The maple is denser starting in the central part of the stand and continuing	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	west. The jack pine is scattered in the east side of the stand.	
	Red Maple	68	Pole	8	80	Re	ed Maple	Medium	>20 feet	Sapling		
	Balsam Fir	15	Pole/Sapling	5		Ва	alsam Fir	High	10 - 20 feet	Sapling		
No	orthern White Cedar	2	Pole	8								
	Jack Pine	6	Log	10								
	Paper Birch	2	Pole	8								
	White Pine	2	Log/Pole	10								
	Black Spruce	5	Pole	5								
44	6120 - Low	/land Ceda	r P	oletimb	er Well	7.7	102	111-140	N/A			
44	6120 - Low Canopy Species		r P		er Well		102 Inopy Species		N/A Avg. Height	Size		
						Sub-Ca				Size Sapling		
	Canopy Species	% Cover 54 25	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height			
	Canopy Species orthern White Cedar Black Spruce Tamarack	% Cover	Size Class Pole	8 8 8	l Age	Sub-Ca	i nopy Species alsam Fir	Density Low	Avg. Height Variable	Sapling		
	Canopy Species orthern White Cedar Black Spruce	% Cover 54 25	Size Class Pole Pole	8 8	l Age	Sub-Ca	i nopy Species alsam Fir	Density Low	Avg. Height Variable	Sapling		
	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low	% Cover 54 25 20 1 1	Size Class Pole Pole Pole Pole Solution	Bawtimb	102 ler Well	Sub-Ca Ba Re	anopy Species alsam Fir ed Maple	Low Low	Avg. Height Variable Variable N/A	Sapling Sapling	The tamarack had died. The cedar is dense within the stand. Openings have advanced paper birch regeneration.	
No.	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class	DBH 8 8 8 8 8 Sawtimb	102 102 per Well	Sub-Ca Ba Ra Ra 3.0 Sub-Ca	inopy Species alsam Fir ed Maple 102 inopy Species	Low Low 141-170 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling	The tamarack had died. The cedar is dense within the stand. Openings have advanced paper birch regeneration.	
No.	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class Log/Pole	B	102 102 per Well	Sub-Ca Ba Ra Ra 3.0 Sub-Ca	anopy Species alsam Fir ed Maple	Low Low	Avg. Height Variable Variable N/A	Sapling Sapling		
No.	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class	DBH 8 8 8 8 8 Sawtimb	102 102 per Well	Sub-Ca Ba Ra Ra 3.0 Sub-Ca	inopy Species alsam Fir ed Maple 102 inopy Species	Low Low 141-170 Density	Avg. Height Variable Variable N/A Avg. Height	Sapling Sapling		
No.	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class Log/Pole Pole/Sapling	B	er Well	Sub-Ca Ba Re 3.0 Sub-Ca	inopy Species alsam Fir ed Maple 102 inopy Species	Low Low 141-170 Density	Avg. Height Variable Variable N/A Avg. Height >20 feet	Sapling Sapling	have advanced paper birch regeneration. Large slow growing cedar stand with many swales throughout. BA varies	
45 No	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low Canopy Species	% Cover 54 25 20 1	Pole Pole Pole Pole Size Class Size Class Log/Pole Pole/Sapling	B	n Age 102 eer Well 102 102	3.0 Sub-Ca Pa 161.2 Sub-Ca	nnopy Species alsam Fir ed Maple 102 nopy Species per Birch 102 nopy Species	Low Low 141-170 Density Low	Avg. Height Variable Variable N/A Avg. Height >20 feet N/A Avg. Height	Sapling Sapling Size Sapling	have advanced paper birch regeneration.	
45 No	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low Canopy Species Red Maple	% Cover 54 25 20 1	Pole Pole Pole Pole Pole Pole Pole Pole	8	er Well 102 102 1 Age 102 102 1 Age 102	3.0 Sub-Ca Pa 161.2 Sub-Ca Ba	nnopy Species alsam Fir ed Maple 102 nnopy Species per Birch 102 nnopy Species alsam Fir	Low Low 141-170 Density Low	Avg. Height Variable Variable N/A Avg. Height >20 feet N/A Avg. Height Variable	Sapling Sapling Size Sapling Size Sapling	have advanced paper birch regeneration. Large slow growing cedar stand with many swales throughout. BA varies	
45 No	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low Canopy Species Orthern White Cedar Red Maple orthern White Cedar	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class Log/Pole Pole/Sapling Pole/Sapling Pole	8 8 8 8 8 8 8 8 8 8	er Well	3.0 Sub-Ca Pa 161.2 Sub-Ca Northeri	alsam Fir and Maple 102 Inopy Species per Birch 102 Inopy Species per Birch 102 Inopy Species alsam Fir n White Cedar	141-170 Density Low 141-170 Density Low 141-170 Low Low Low	Avg. Height Variable Variable N/A Avg. Height >20 feet N/A Avg. Height Variable Variable	Sapling Sapling Size Sapling Size Sapling Sapling Sapling	have advanced paper birch regeneration. Large slow growing cedar stand with many swales throughout. BA varies and the swales contain a mix of paper birch, red maple, and tag alder.	
45 No	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low Canopy Species orthern White Cedar Blue Spruce	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class Log/Pole Pole/Sapling Pole/Sapling Pole Pole	BB	er Well 102 102 1 Age 102 102 1 Age 102	3.0 Sub-Ca Pa 161.2 Sub-Ca Northeri	nnopy Species alsam Fir ed Maple 102 nnopy Species per Birch 102 nnopy Species alsam Fir	Density Low Low 141-170 Density Low 141-170 Density Low Density Low	Avg. Height Variable Variable N/A Avg. Height >20 feet N/A Avg. Height Variable	Sapling Sapling Size Sapling Size Sapling	have advanced paper birch regeneration. Large slow growing cedar stand with many swales throughout. BA varies and the swales contain a mix of paper birch, red maple, and tag alder.	
45 No	Canopy Species orthern White Cedar Black Spruce Tamarack Paper Birch 6120 - Low Canopy Species orthern White Cedar Paper Birch 6120 - Low Canopy Species Orthern White Cedar Red Maple orthern White Cedar	% Cover 54 25 20 1	Size Class Pole Pole Pole Pole Size Class Log/Pole Pole/Sapling Pole/Sapling Pole	8 8 8 8 8 8 8 8 8 8	er Well 102 102 1 Age 102 102 1 Age 102	3.0 Sub-Ca Pa 161.2 Sub-Ca Northeri	alsam Fir and Maple 102 Inopy Species per Birch 102 Inopy Species per Birch 102 Inopy Species alsam Fir n White Cedar	141-170 Density Low 141-170 Density Low 141-170 Low Low Low	Avg. Height Variable Variable N/A Avg. Height >20 feet N/A Avg. Height Variable Variable	Sapling Sapling Size Sapling Size Sapling Sapling Sapling	have advanced paper birch regeneration. Large slow growing cedar stand with many swales throughout. BA varies and the swales contain a mix of paper birch, red maple, and tag alder.	



Stand	Stand Level 4 Cover Type			Size Density	Acres Stand Age BA Range			Managed S	Site	General Comments
47	6120 - Lo	wland Ceda	ır	Poletimber Well	8.5	102	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	55	Pole	8 102	Pa	per Birch	Low	>20 feet	Sapling	
	Tamarack	40	Pole	8	Re	ed Maple	Low	>20 feet	Sapling	
	Black Spruce	5	Pole	7	Ва	llsam Fir	Low	Variable	Sapling	
48	6220 - A	Alder/willow		Nonstocked	196.1	U	Inspecified	No		
49	6121 -	Tamarack		Poletimber Well	2.8	102	81-110	N/A		Healthy tamarack island.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	1	Log/Pole	10	Ta	marack	Low	Variable	Sapling	
	Jack Pine	3	Pole	8						-
	Tamarack	78	Pole	8 102						
	Black Spruce	10	Pole	7						
No	orthern White Cedar	8	Log/Pole	10						
50	6120 - Lo	wland Ceda	r	Sawtimber Well	13.2	102	111-140	N/A		The basal area varies as there are some locations with thick cedar within this stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	tilis stariu.
	Tamarack	35	Log/Pole	11	Bla	ck Spruce	Low	Variable	Sapling	
	Black Spruce	8	Pole	8	BI	ack Ash	Medium	5 - 10 feet	Sapling	
	Black Ash	2	Log/Pole	10	Ba	ılsam Fir	Low	Variable	Sapling	
No	orthern White Cedar	55	Log/Pole	10 102						
51	6120 - Lo	wland Ceda	ır	Poletimber Well	11.7	102	111-140	N/A		Cedar stand with some areas of dense black spruce. Good combined
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	amount of balsam fir and red maple saplings.
	Tamarack	15	Pole	8	Ва	ılsam Fir	Medium	Variable	Sapling	
	Red Pine	1	Log	14	Re	ed Maple	Medium	Variable	Sapling	
	White Pine	1	Log/XLog	16						
	Paper Birch	1	Pole	7						
	Black Spruce	32	Pole	7						
No	orthern White Cedar	50	Pole	8 102						
52	42200 - Nati	ural White F	Pine S	Sawtimber Medium	1.5	120	51-80	N/A		Isolated upland island containing mostly white pine with a moderate amour
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of regeneration.
	White Pine	83	Log/XLog	16 120	Bla	ck Spruce	Medium	Variable	Sapling	
No	orthern White Cedar	10	Pole	9		Beech	Trace	5 - 10 feet	Sapling	
	Black Spruce	5	Pole	7	W	hite Pine	Medium	Variable	Sapling	
	Danas Disala	4	Б.							_
	Paper Birch	1	Pole	9						

Shingleton Mgt. Unit Report 7 – Stands



Stanc	Level 4 C	Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments					
53	42320 - U _l	e	Poletimber Well	3.4	82	111-140	N/A		Small island that is 75% upland. Healthy and unique stand.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	13	Pole	8	Bla	ck Spruce	Low	Variable	Sapling	
	White Pine	8	Log	14						
	Red Pine	7	Log	14						
	Jack Pine	2	Pole/Log	9						
	Black Spruce	70	Pole	7 82						
54	6120 - Lo	wland Ceda	ır	Sawtimber Well	30.3	120	171-200	N/A		Some open areas containing red maple and paper birch advanced
	Canopy Species		Size Class	DBH Age		nopy Species		Avg. Height	Size	regeneration.
	Black Spruce	5	Pole/Log	9		per Birch	Low	>20 feet	Sapling	
	White Pine	3	Log	14		alsam Fir	Low	Variable	Sapling	
	Paper Birch	3	Pole	7		n White Cedar	Low	Variable	Sapling	
	Red Maple	2	Pole	7	Re	ed Maple	Low	>20 feet	Sapling	
	Tamarack	2	Pole/Log	9						
No	orthern White Cedar	85	Log/Pole	11 120						
55	6121 -	Tamarack	Po	oletimber Mediur	n 1.2	102	51-80	N/A		Small grouping containing mainly tamarack and jack pine.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	65	Pole	8 102	Ва	alsam Fir	Low	Variable	Sapling	
	Jack Pine	25	Pole	9	Bla	ck Spruce	Low	Variable	Sapling	
	White Pine	1	Log/XLog	16						
	Black Spruce	9	Pole	8						
56	6233 - W	/et Meadow	,	Nonstocked	10.0	L	Inspecified	No		
57	6229 - Mixed	d lowland sh	nrub	Nonstocked	81.0	0 U	Inspecified	612 - Lowland C Forest		Lowland jack pine ready to cut now - evidence of stand break-up is appearing.TS: 41-013-14-01 Lucky 13. FTP: 41-1601 Unit 1 was cut then scarified by Holli: 7/15/16, no other units cut at this time.Units 1-3 were cut and a little section of unit 4. Units 2 and 3 were scarified summer 2019.
58	6120 - Lo	wland Ceda	ır	Poletimber Well	3.6	85	51-80	N/A		Cedar with paper birch overtopping it. A few open areas.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	2	Pole/Sapling			ed Maple	Trace	Variable	Sapling	
	Paper Birch	35	Pole	8	Ba	alsam Fir	Low	Variable	Sapling	
No	orthern White Cedar	60	Pole	8 85		ag Alder	Low	5 - 10 feet	Tall Shrub	
	Black Ash	3	Pole	5	Norther	n White Cedar	Trace	Variable	Sapling	
59	6120 - Lo	wland Ceda	ır Po	oletimber Mediur	n 1.4	119	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
				3-		epj epecies			00	



Stand	Level 4 Co		Size Density		Acres	Stand Age I	BA Range	Managed Site		General Comments	
60	6122 - BI	lack Spruce		Poletimb	er Well	1.6	98	81-110	N/A		Small healthy black spruce stand.
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	2	Log/XLog	16		Re	ed Maple	Low	Variable	Sapling	
	Red Pine	1	XLog	20		Ta	amarack	Low	Variable	Sapling	
	Tamarack	5	Pole	8		Bla	ck Spruce	Medium	Variable	Sapling	
	Black Spruce	92	Pole	7	98						_
61	6229 - Mixed	d lowland sh	nrub	Nonsto	cked	5.0	0 (Jnspecified	No		
62	6229 - Mixed	d lowland sh	nrub	Nonsto	cked	4.3	0 (Jnspecified	No		A few scattered black spruce and tamarack.
63	3 42210 - Natural Red Pine		ine S	Sawtimber Mediu		n 14.2 128		141-170	N/A		Last thinned in 2000. BA is high and up to 210. Open areas have thick red maple regeneration as well as a combined medium amount of mixed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regeneration under the red pine.
	Red Pine	90	Log/XLog	16	128		ed Maple	Medium	10 - 20 feet	Sapling	
	White Pine	10	XLog/Log	18			ck Spruce	Low	5 - 10 feet	Sapling	
							led Pine	Trace	5 - 10 feet	Sapling	
							hite Pine	Low	5 - 10 feet	Sapling	
							Beech	Low	5 - 10 feet	Sapling	
						Pa	per Birch	Trace	10 - 20 feet	Sapling	
64	6126 - Lowl	and Jack P	ine S	awtimbe	Medium	1.9	102	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	orthern White Cedar	10	Pole	8		Ва	alsam Fir	Low	Variable	Sapling	
	Jack Pine	60	Log/Pole	10	102	Bla	ck Spruce	Low	Variable	Sapling	
	Tamarack	20	Pole/Log	9							
	Black Spruce	10	Pole	8							