

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41161 Entry Year 2026 Acreage: 2,590

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Mario Molin

Legal Description:

T46N R16W Sections 4, 5, 8-10, 15, 16

Identified Planning Goals:

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

Soil and topography:

The compartment has a fairly equal mix of lowland species to upland species. The northern hardwoods are flat with out much sloping and are on sand of fair fertility. The lowland species have only a one to two foot elevation difference between the marshes making for a high water table on muck and peat soils with low natural fertility.

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

The compartment is State ownership except for 200 acres of private, mainly hunting camps, these should not have an impact on access into State Lands. Surrounding ownership is State, private and Forest Land Group lands.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The eastern region of this compartment borders the Creighton River. The Creighton River is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July water temperature of 61.7 °F (cold stream). A 300-foot buffer is recommended for the Creighton River, in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is principally a ridge lying between the Creighton River on the east and a large marsh complex on the west. Pre-settlement lowland forests contained black spruce, tamarack, cedar, and black ash. White pine and hemlock were also found in some of the lowlands. The upland areas appear to have consisted of mixed forest containing hemlock, white pine, yellow birch, sugar maple, red maple, and American beech.

Although aspen and jack pine appear to be more prevalent than in the 1850s, the overall tree species composition within this compartment is generally similar to pre-settlement times.

The wildlife habitat goals in this compartment include protecting the riparian corridor of the Creighton River, protecting hemlock, promoting species and structural diversity within and between northern hardwood stands, and maintaining aspen as a component of the landscape.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and Muck, lacustrine (lake) sand and gravel and minor coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These rocks are quarried for stone/dolomite. Gravel pits are located to the west, but potential appears to be limited except for the NW/4 of Section 5. There is no commercial oil and gas production in the UP.

Vehicle Access:

The Creighton Truck Trail runs NW to SE through the middle of the compartment with two-tracks spurring off the county road. Most of the two-tracks were blocked after past timber sales were completed. The blocked roads are easily gone

around by ORV's.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

None.

Fire Protection:

Hardwood species make up the upland areas. The majority of the conifer types remain wet through the year making for low fire potential in the compartment.

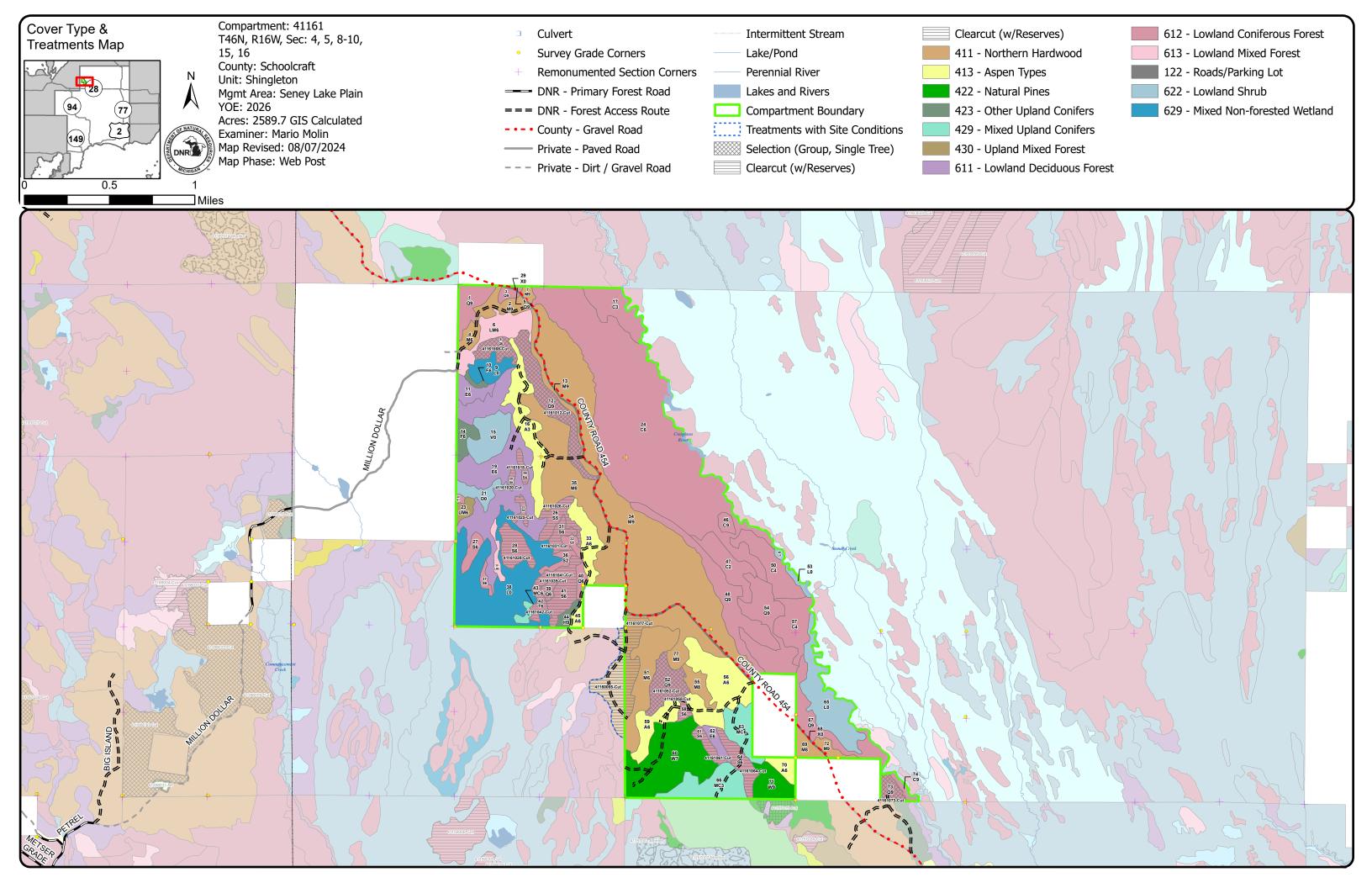
Additional Compartment Information:

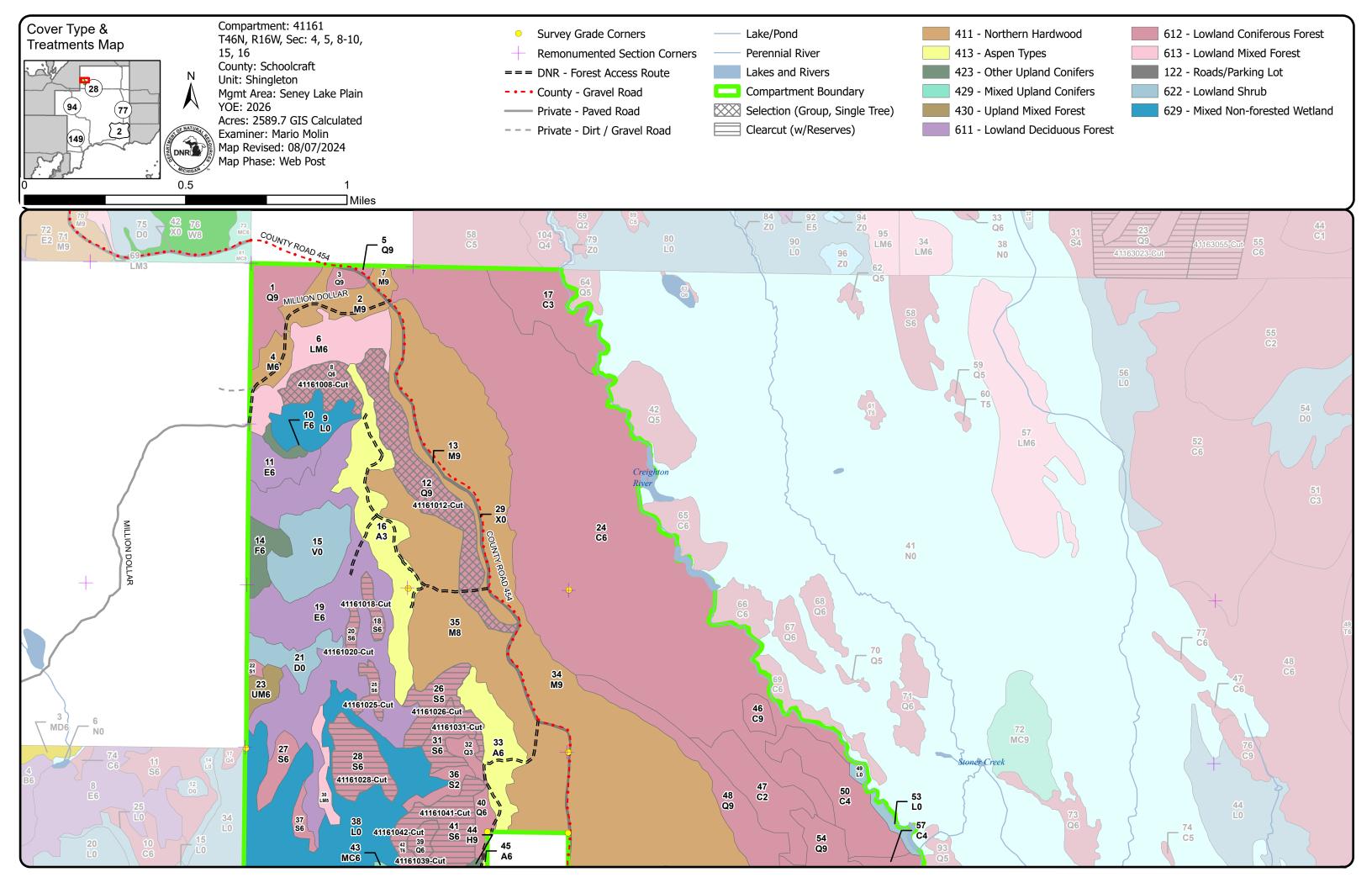
The following reports from the Inventory are attached:

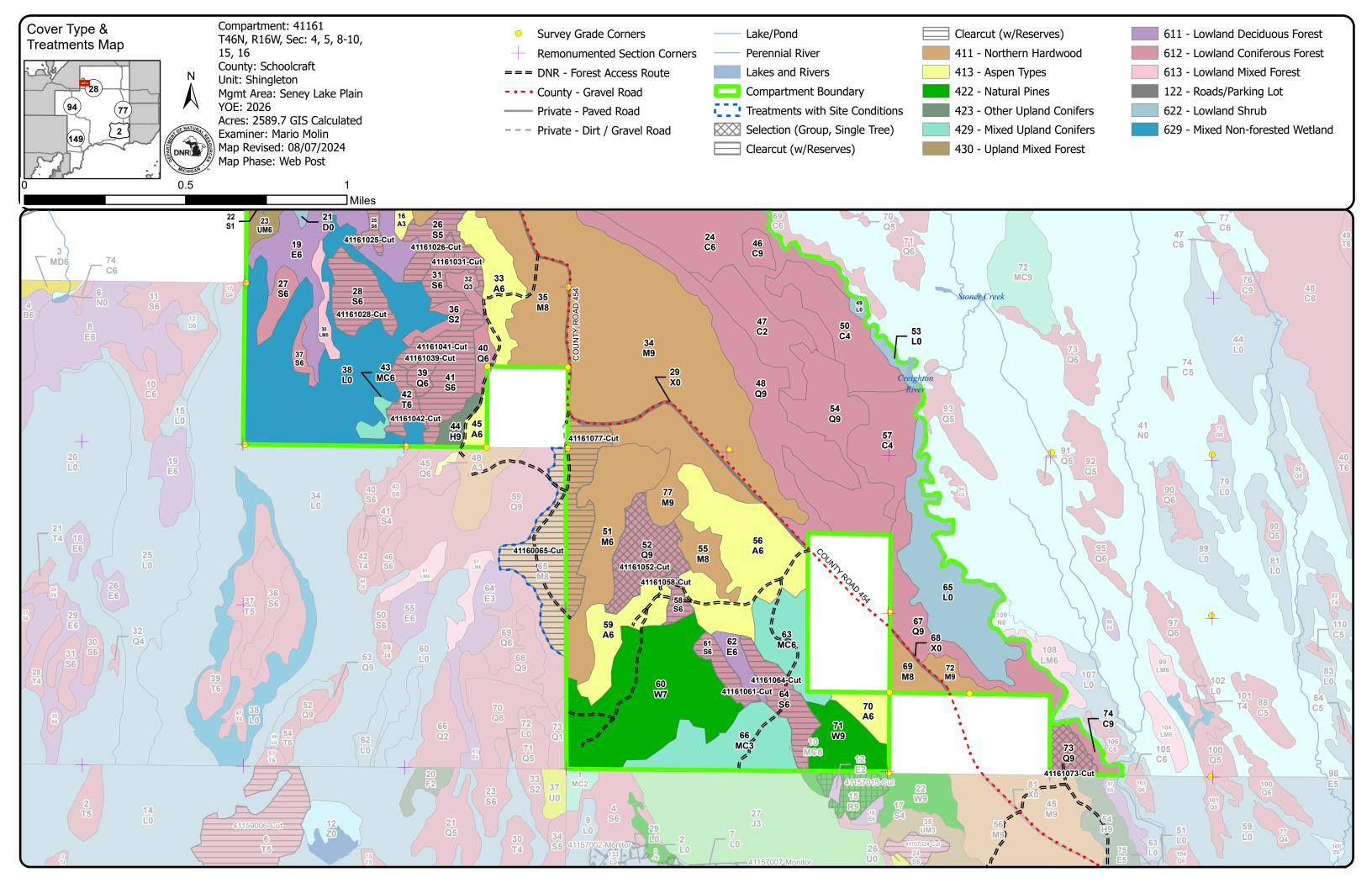
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

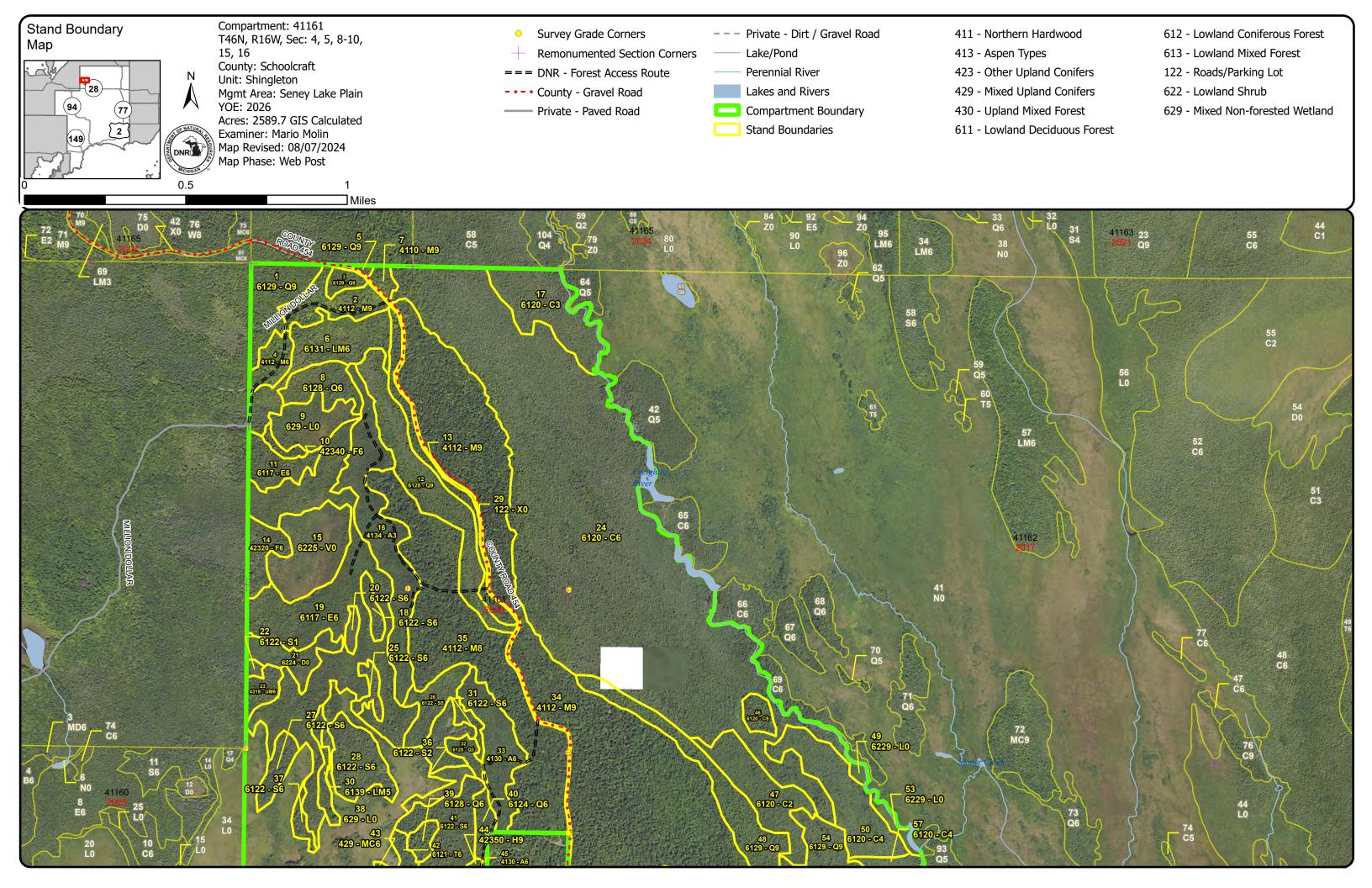
The following information is displayed, where pertinent, on the attached compartment maps:

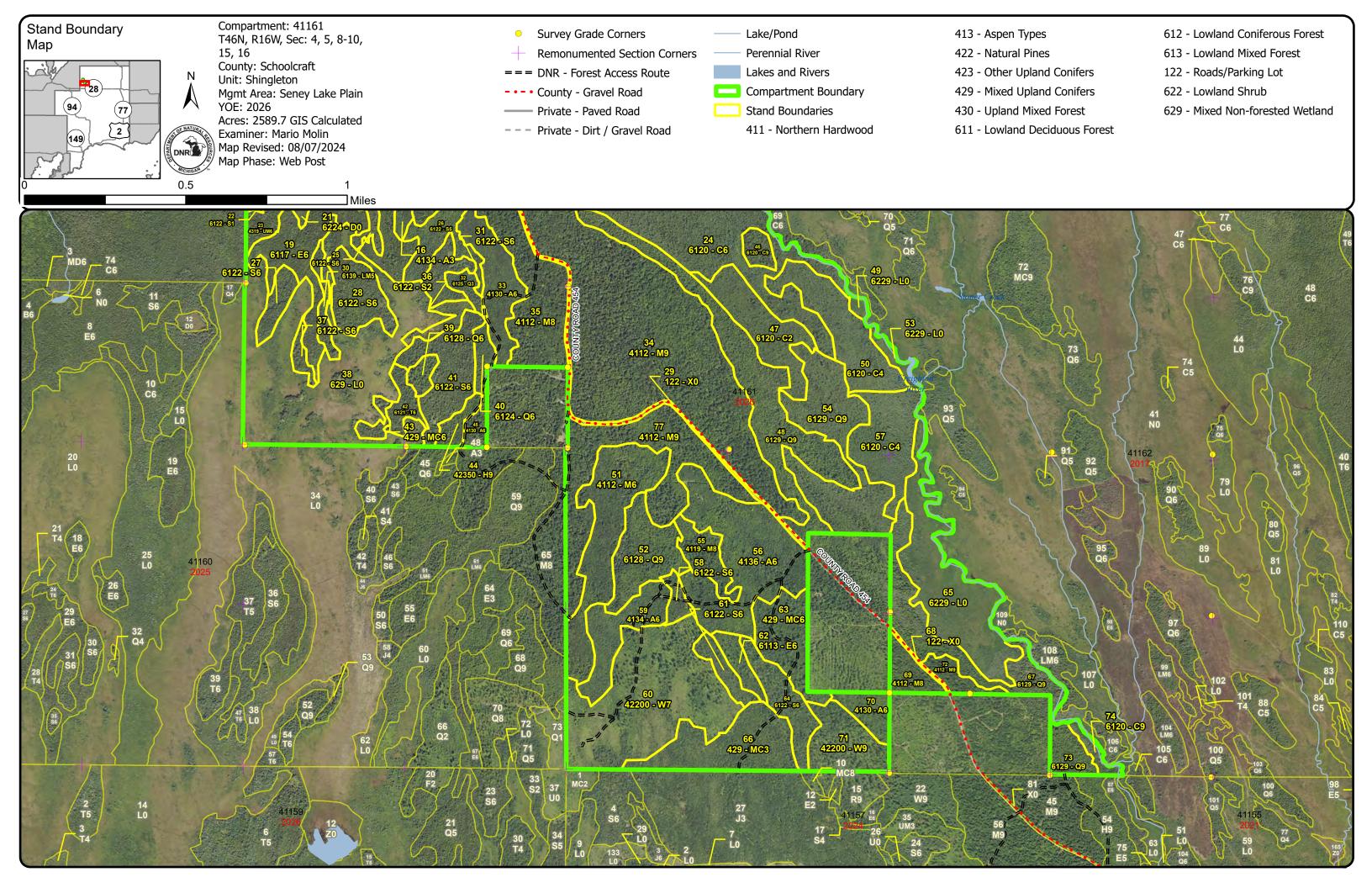
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

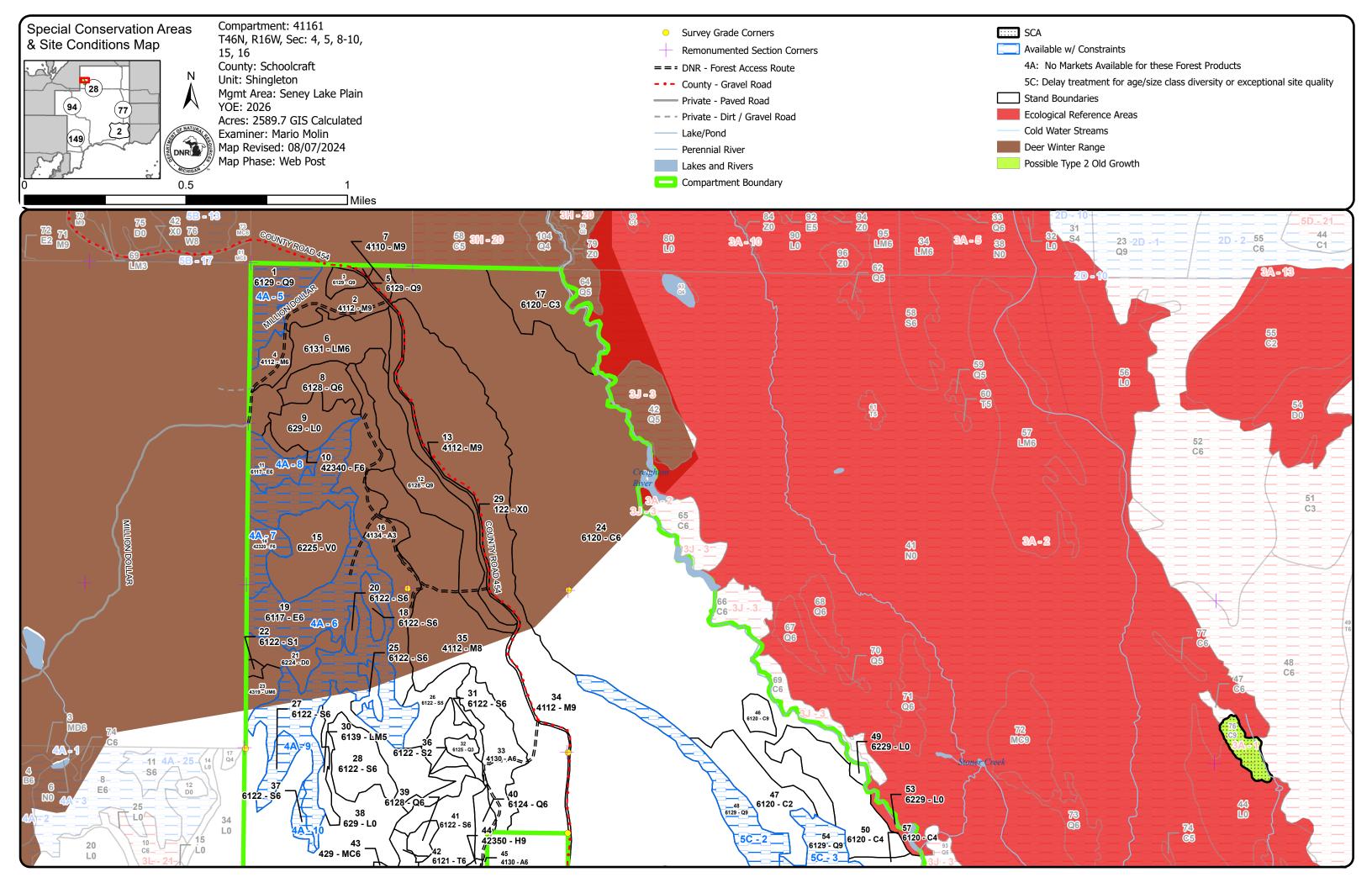


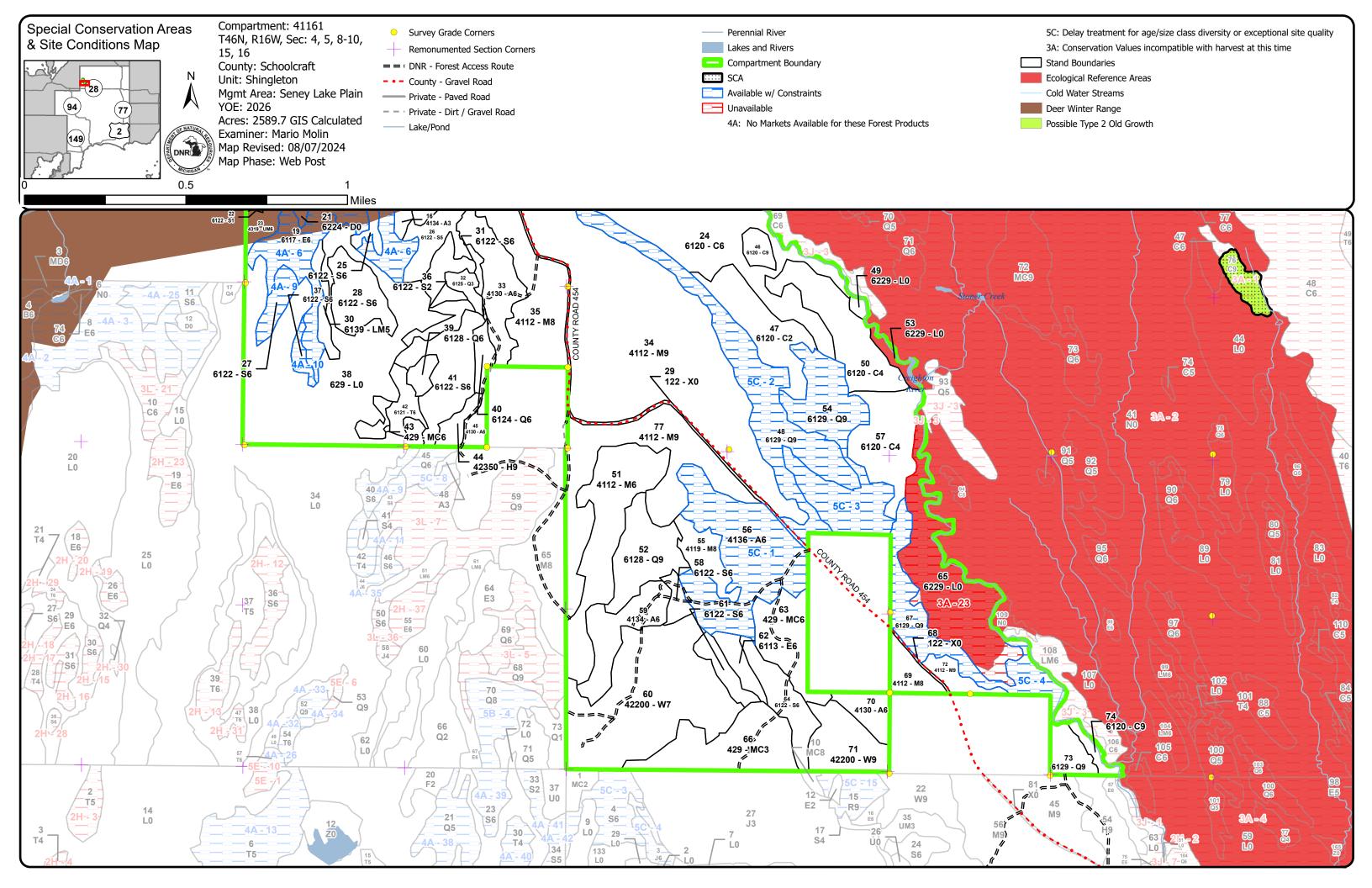












Compartment 161 Year of Entry 2026

Mario Molin : Examiner

Shingleton Mgt. Unit



Age Class

	* And	KO KO	§ / §	\$ \$	P A	3 / 1	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3/8	\$ / K	R &	* 8	3 /10	707	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	R. S.	\$3 \ B	A S	Jrest	Z dig
Aspen	0	0	0	0	111	83	0	0	0	0	0	0	0	0	0	0	0	0	194
Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Cedar	0	0	0	0	0	0	0	68	0	11	433	0	73	0	0	0	0	0	585
Hemlock	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	12	0	0	0	0	111	196	0	0	0	0	0	0	0	318
Lowland Deciduous	0	0	0	0	0	0	0	0	8	150	0	0	0	0	0	0	0	0	158
Lowland Mixed Forest	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	7	42
Lowland Shrub	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	224
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	0	20	125	0	0	0	0	0	0	0	152
Northern Hardwood	0	0	0	0	0	64	0	0	0	0	553	0	0	0	0	0	0	0	617
Tamarack	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	27	42	0	0	0	0	0	4	0	0	0	0	0	0	0	73
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	0	0	0	0	3	13	0	0	0	0	0	0	0	0	16
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	0	0	0	0	0	0	126	0	0	0	0	0	0	0	126
Total	288	0	0	27	165	147	7	68	46	305	1451	9	73	0	0	0	0	7	2592



Report 2 – Treatment Summary

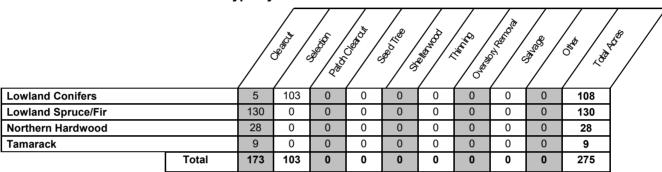
Shingleton Mgt. Unit Year of Entry: 2026

Acres of Harvest

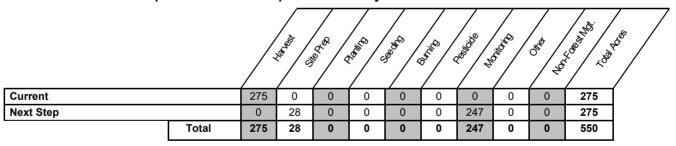
Compartment 161
Total Compartment Acres: 2,590

Commercial Harvest - 275
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



S t	`	Sningleto	n Mgt. Unit		Repo	rt 3 '	Treatments		Compartmen Year of Entr		EPARTMENT
а	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	6.
ose	<u>d Treatmen</u>	ts:									
65 4	41160065-Cut	35.6	4112 - Maple, Beech, Cherry Association	Sawtimbe Medium		1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	
Presc Specs		ut with rete	ention, 2 inch spec.	site conver	sion to	aspen.					
Next S Treatr	<u>Step</u> SitePre ments:	ep, Other -	Specify; Monitorin	g, Artificial	Regen(1yr)					
Accep Reger	<u>otable</u> plant a <u>n:</u>	spen.									
Other Comn											
Site C	<u>Condition</u>										
<u>Propo</u>	sed Start Date	<u>:</u> 10/1 /20)25								
8 4	41161008-Cut	1E 0	6128 - Lowland	Poletimbe	r 94	1-50	Harvest	Group Selection	612 - Lowland	Uneven-	
<u>Presc</u>	ription Cut all		Coniferous, Mixed Deciduous	Well	nd hem	ılock. Maı	rk hemlock and	other remaining spe	Coniferous Forest ecies as needed t	Aged to promote reg	jene
Presc Specs Next S Treatr Accep	sription Cut all s: Step Monito ments: otable Hemloo	species e	Coniferous, Mixed Deciduous xcept yellow birch, v	Well white pine a	ind hem	ilock. Mai	k hemlock and	other remaining spe	Forest		gene
Presc Specs Next S Treatr Accep Reger Other	cription Cut all s: Step Monitoments: otable Hemloon:	species e	Coniferous, Mixed Deciduous xcept yellow birch, v	Well white pine a	nd hem	ilock. Mai	rk hemlock and	other remaining spe	Forest		gene
Presc Specs Next S Treatr Accep Reger Other Comm	cription Cut all s: Step Monitoments: otable Hemloon:	species e	Coniferous, Mixed Deciduous xcept yellow birch, v	Well white pine a	nd hem	ilock. Mai	k hemlock and	other remaining spe	Forest		gene
Presc Specs Next S Treatr Accep Reger Other Comm	sription Cut all s: Step Monitoments: otable Hemloon: inent:	species e	Coniferous, Mixed Deciduous xcept yellow birch, v ral Regen (Re-Inver er species.	Well white pine a	nd hem	nlock. Mai	k hemlock and	other remaining spe	Forest		gene
Presc Specs Next S Treatr Accep Reger Other Comm Site C	cription Cut all s: Step Monitoments: otable Hemloon: condition	species earing, Natural ck and other transfer of the species of th	Coniferous, Mixed Deciduous xcept yellow birch, v ral Regen (Re-Inver er species.	Well white pine a		nlock. Mai	rk hemlock and	other remaining spe	Forest ecies as needed t		gene
Presc Specs Next S Treatr Accep Reger Other Comm Site C Propo	stiption Cut all si. Step Monitor ments: otable Hemloon: ment: condition osed Start Date 41161012-Cut	species earing, Natural ck and oth 120 120 125.9	Coniferous, Mixed Deciduous xcept yellow birch, vral Regen (Re-Inverter species. 025 6128 - Lowland Coniferous, Mixed Deciduous	Well white pine a ntory) Sawtimbe Well	r 94	51-80	Harvest		Forest ecies as needed t 612 - Lowland Coniferous Forest	Uneven- Aged	
Presc Specs Next STreatr Accep Reger Other Comm Site C Propo 12 Presc Specs Next S	stiption Cut all S: Step Monitoments: Otable Hemloon: Interpretation Start Date 41161012-Cut Stiption Cut all S:	species e. ring, Natur ck and oth 1 10/1 /20 45.9 species e.	Coniferous, Mixed Deciduous xcept yellow birch, val Regen (Re-Inverter species. 025 6128 - Lowland Coniferous, Mixed Deciduous	Well white pine a ntory) Sawtimbe Well white pine a	r 94	51-80	Harvest	Group Selection	Forest ecies as needed t 612 - Lowland Coniferous Forest	Uneven- Aged	
Presc Specs Next S Treatr Accep Reger Other Comm Site C Propo 12 4 Presc Specs Next S Treatr	sription Cut all s: Step Monitor ments: otable Hemloon: nent: condition osed Start Date 41161012-Cut sription Cut all s: Step Monitor ments: otable Hemloo	species e. ring, Natural ck and oth 45.9 species e.	Coniferous, Mixed Deciduous xcept yellow birch, val Regen (Re-Invertier species. 225 6128 - Lowland Coniferous, Mixed Deciduous xcept yellow birch, value Regen (Re-Invertier species)	Well white pine a ntory) Sawtimbe Well white pine a	r 94	51-80	Harvest	Group Selection	Forest ecies as needed t 612 - Lowland Coniferous Forest	Uneven- Aged	
Presc Specs Next S Treatr Accep Reger Other Comm Site C Propo 12 4 Presc Specs Next S Treatr Accep	sription Cut all s: Step Monitoments: Otable Hemloon: Innent: Condition Osed Start Date 41161012-Cut Step Monitoments: Otable Hemloon: Otable Hemloon: Otable Hemloon:	species e. ring, Natural ck and oth 45.9 species e.	Coniferous, Mixed Deciduous xcept yellow birch, val Regen (Re-Invertier species. 225 6128 - Lowland Coniferous, Mixed Deciduous xcept yellow birch, value Regen (Re-Invertier species)	Well white pine a ntory) Sawtimbe Well white pine a	r 94	51-80	Harvest	Group Selection	Forest ecies as needed t 612 - Lowland Coniferous Forest	Uneven- Aged	

S t	\$	Shingleton	Mgt. Unit		Repo	rt 3 [·]	Treatments		Compartmer Year of Entr	/	DNR DNR
a n ¹ d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
			ion due to small si	Well	r 96	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
Regen	nents: able Spruce		il Regen (Re-Invei	ntory)							
	ent: ondition sed Start Date	<u>:</u> 10/1 /202	25								
	•		22 - Black Spruce	Well	r 96	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
Next Single Treatment Accept Regen: Other Common	nents: able Spruce		ll Regen (Re-Invei species.	ntory)							
Site Co	ondition sed Start Date		25 122 - Black Spruce	e Poletimbe Well	r 89	51-80	Harvest	Clearcut	6122 - Black	Even-Aged	No
Specs: Next Statement	tep Monito nents:	ring, Natura	ion due to small si il Regen (Re-Inver	ze.					Spruce		
Other Commo	_	With other	species.								
	sed Start Date	<u>:</u> 10/1 /202	25								
	1161026-Cut		122 - Black Spruce	Medium			Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
Next Si Treatm Accept Regen:	t <u>ep</u> Monito nents: able Spruce	ring, Natura	ntion, retention sho		inst sta	nd 38.					
Site Co	ent: ondition										

Proposed Start Date: 10/1 /2025

S t	\$	Shingleton	Mgt. Unit		Repo	rt 3 '	Treatments		Compartmer Year of Entr	,	DNR
a n Trea	atment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
28 4116	1028-Cut	22.5 61	22 - Black Spruce	e Poletimbe Well	er 96	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
Prescription Specs:	on Clearce	ut with reter	ition						·		
Next Step Treatment		ring, Natura	l Regen (Re-Inve	ntory)							
Acceptable Regen:	e Spruce	with other	species.								
Other Comment:											
Site Condi											
		<u>:</u> 10/1 /202									
31 4116	1031-Cut	11.1 61	22 - Black Spruce	e Poletimbe Well	er 94	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
Prescription Specs:	o <u>n</u> Clearci	ut with reter	tion, retention sh	ould be aga	ainst sta	nd 38.					
Next Step Treatment	-	ring, Natura	l Regen (Re-Inve	ntory)							
Acceptable Regen:	e Spruce	with other	species.								
Other Comment:											
Site Condi	<u>tion</u>										
Proposed	Start Date	<u>:</u> 10/1 /202	25								
39 4116	1039-Cut		6128 - Lowland Coniferous, Mixed Deciduous	Poletimbe Well	er 96	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
Prescription Specs:	on Clearce	ut. no retent	ion due to small s	size.							
Next Step Treatment		ring, Natura	l Regen (Re-Inve	ntory)							
Acceptable Regen:	e Any mi	x of species	3								
Other Comment:											
Site Condi	<u>tion</u>										
Proposed	Start Date	<u>:</u> 10/1 /202	25								
41 4116	1041-Cut	31.4 61	22 - Black Spruce	e Poletimbe Well	er 96	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
Prescription Specs:	on Clearc	ut with reter	ntion, retention sh	ould be aga	ainst sta	nd 38.			·		
Next Step Treatment		ring, Natura	l Regen (Re-Inve	ntory)							
Acceptable Regen:	e Spruce	with other	species.								
Other Comment:											
Site Condi	<u>tion</u>										

Proposed Start Date: 10/1 /2025

S t		Shingleto	n Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartmer Year of Entr		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	Habita Cut
42	41161042-Cı	ut 8.8	6121 - Tamarack	Poletimbe Well	er 104	1-50	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
Spec Next	cs:		ention due to small s	size.							
Reg		mix of speci	es								
	<u>Condition</u>										
	41161052-Cu		6128 - Lowland Coniferous, Mixed Deciduous	Sawtimbe Well	er 89	81-110	Harvest	Group Selection	612 - Lowland Coniferous Forest	Uneven- Aged	No
Pres Spec		ove all trees	s except hemlock, co	edar and ye	ellow bir	ch. Mark	hemlock as ne	ed for operations.			
Next Trea Acce Reg	step Monition of the control of the		ral Regen (Re-Inver								
	Condition osed Start Da	te: 10/1/2	025								
58	41161058-Cı		6122 - Black Spruce	e Poletimbe Well	er 91	Unspec ified	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
Pres Spec		cut all trees	s. No retention due	e to small s	ize.						
	<u>Step</u> Moni <u>tments:</u>	toring, Natu	ral Regen (Re-Inver	ntory)							
Acce Reg		ce and othe	r lowland species.								
Othe Com	<u>er</u> iment:										
	Condition										
Prop	osed Start Da	<u>te:</u> 10/1 /2	025								
61	41161061-Cı	ıt 8.9	6122 - Black Spruce	e Poletimbe Well	er 91	51-80	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
Pres Spec		cut all trees	s. No retention due	to small siz	ze.						
	: <u>Step</u> Monit tments:	toring, Natu	ral Regen (Re-Inver	ntory)							
Acce Reg	e <u>ptable</u> Sprud en:	ce with othe	er species.								
Othe Com	e <u>r</u> iment:										
	Condition										
Prop	osed Start Da	<u>te:</u> 10/1 /2	025								

Shingleton Mgt. Unit Report 3 -- Treatments Compartment: 161 S Year of Entry: 2026 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 64 41161064-Cut 19.8 6122 - Black Spruce Poletimber 51-80 Harvest Clearcut with 6122 - Black Even-Aged No Retention Well Spruce Prescription Clearcut with retention. Retention can be anywhere. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable Spruce with other species. Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 73 41161073-Cut 6129 - Mixed Sawtimber 89 81-110 Group Selection 612 - Lowland No 11.0 Harvest Uneven-Coniferous Lowland Well Coniferous Aged Forest Forest Prescription Cut all species except yellow birch, white pine and hemlock. Mark hemlock and other remaining species as needed to promote regeneration. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Hemlock and other species. Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 77 41161077-Cut 28.4 4112 - Maple, Sawtimber 94 1-50 Harvest Clearcut with 413 - Aspen No Even-Aged Beech, Cherry Well Retention Association Prescription Clearcut with retention, 2 inch spec. only part of the stand is being harvested so remaining stand is retention. Specs: Next Step SitePrep, Other - Specify Treatments: Acceptable Planted aspen Regen: Other

Total Treatment 310.8 Acreage Proposed:

Proposed Start Date: 10/1 /2025

Comment:
Site Condition

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner

Compartment: 161 Year of Entry: 2026



Availability for Management

Total	Acres	Acres Avail	Acres		Domina	nt Site	Cond	ditions
Acres	Available	With Condition	Not Available		4A	5C	3A	
194	122	72	0	Aspen		72		Ī
34	34	0	0	Bog				1
585	585	0	0	Cedar				
7	7	0	0	Hemlock				1
318	125	193	0	Lowland Conifers	23	169		1
158	8	150	0	Lowland Deciduous	150			1
42	42	0	0	Lowland Mixed Forest				1
224	160	0	63	Lowland Shrub			63	1
152	139	13	0	Lowland Spruce/Fir	13			1
617	617	0	0	Northern Hardwood				1
9	9	0	0	Tamarack				1
14	14	0	0	Treed Bog				1
73	73	0	0	Upland Conifers				1
7	7	0	0	Upland Mixed Forest				1
16	3	13	0	Upland Spruce/Fir	13			1
16	16	0	0	Urban				1
125	125	0	0	White Pine				1
2,590	2,085	441	63	Total Forested Acres	199	241	63	1
	81%	17%	2%	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.

1 Available 5C: Delay treatment for 72 Unspecified Unspecified Unspecified Unspecified exceptional site quality	Unspecified
	Cop 0000
Comments:	

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner



2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	70	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	40	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
5	Available	4A: No Markets Available for these Forest Products	24	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
6	Available	4A: No Markets Available for these Forest Products	136	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
7	Available	4A: No Markets Available for these Forest Products	13	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
							TONELLOM

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin: Examiner



8	Available	4A: No Markets Available for these Forest Products	14	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
9	Available	4A: No Markets Available for these Forest Products	9	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
10	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
23	Unavailable	3A: Conservation Values incompatible with harvest at this time	63	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA						

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: 161
Year of Entry 2026





* 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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condition stocked trout populations and those of other coldwater fish specific conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	es to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
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
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildle and Waterfowl Production Areas, deer wintering complexes in low openings and savannas. Habitat areas are distinct from critical hendangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in cooperations.	wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more endangered species, and are not
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 (ra threatened (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 p submit recommendations for lands as ERAs using the DNR Constitutions.	al Features Inventory (MNFI) within the toccurrences with viability ranks of A urity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
1	6129 - Mixed Conif	erous Lowla	and Forest	Sawtimb	er Well	23.5	94	51-80	N/A		
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Pole	6		Re	ed Maple	High	Variable	Sapling	
	Black Spruce	5	Pole	6		Ва	lsam Fir	Low	Variable	Sapling	
	Hemlock	65	Log	16	94	Н	emlock	Medium	Variable	Sapling	
	White Pine	15	XLog	20							•
2	4112 - Maple, Beec	ch, Cherry A	ssociation	Sawtimb	er Well	18.9	94	81-110	N/A		Another Beech Sale TS:41-046-13-01
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	TCR: 9/27/17
	Yellow Birch	3	Pole	8			Beech	High	Variable	Sapling	
	Sugar Maple	47	Log/Pole	10	94	Sug	gar Maple	Low	Variable	Sapling	
	Red Maple	42	Pole	8							
	Hemlock	5	Log	12							
	Beech	3	Log	16							
3	6129 - Mixed Conif	erous Lowla	and Forest	Sawtimb	er Well	4.7	94	51-80	N/A		
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Beech	3	Log	16			Beech	Medium	Variable	Sapling	
	Hemlock	90	Log	16	94	Ва	lsam Fir	Medium	Variable	Sapling	
	White Pine	7	Log	16		Н	emlock	Low	Variable	Sapling	
						Re	ed Maple	Medium	Variable	Sapling	
4	4112 - Maple, Beed	ch, Cherry A	ssociation	Poletimb	er Well	10.1	42	51-80	N/A		More of a 2 aged stand look. May have been sheltered cut last time or
	Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	some similar type cut.
	Red Maple	15	Log	12		Re	ed Maple	Medium	Variable	Sapling	
	Red Maple	70	Pole	6	42		Beech	Low	Variable	Sapling	
	Beech	10	Log	14		Ire	onwood	Low	Variable	Sapling	
	Sugar Maple	5	Pole	6							•
_		erous Lowls	and Forest	Sawtimb	er Well	1.1	94	51-80	N/A		
5	6129 - Mixed Conif	CIOUS LOWIE									
5	6129 - Mixed Conif Canopy Species		Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
5					Age		nopy Species ed Maple	Density Medium	Avg. Height Variable	Size Sapling	
5	Canopy Species	% Cover	Size Class	s DBH	Age	Re					
5	Canopy Species Beech	% Cover	Size Class	DB H		Re Ba	ed Maple	Medium	Variable	Sapling	



Stand	d Level 4 C	Level 4 Cover Type				Acres	Stand Age B	A Range	Managed S	Site	General Comments
6	6131 - Hemlock, E	White Pine Birch	, Maple,	Polet	imber Well	35.0	75	1-50	N/A		Mix of everything, most just making merchantablity, some good hemlock regen in south of stand.
	Canopy Species	% Cover	Size Class	s [DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	White Pine	5	Pole		8	H	Hemlock	Low	Variable	Sapling	
	Hemlock	20	Pole/Log		8	Re	ed Maple	Low	Variable	Sapling	
	Red Maple	20	Pole		6 76	Ва	alsam Fir	Medium	Variable	Sapling	
	Black Ash	10	Pole		6						-
	Yellow Birch	15	Pole		6						
	Black Spruce	10	Pole		6						
	Balsam Fir	5	Pole		6						
No	orthern White Cedar	15	Pole		6						
7	4110 - Sugar N	//aple Asso	ciation	Sawt	imber Well	3.8	94	51-80	N/A		Another Beech sale TS: 41-046-13-01
	Canopy Species	% Cover	Size Class	s C	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	TCR: 9/27/17
	Red Maple	5	Pole		8	H	Hemlock	Low	Variable	Sapling	
	Yellow Birch	5	Pole		8	Su	gar Maple	Low	Variable	Sapling	
	Sugar Maple	85	Log		12 94		Beech	Medium	Variable	Sapling	
	Beech	5	Log		16						
8	6128 - Lowland Dec	Coniferous iduous	, Mixed	Polet	imber Well	15.9	94	1-50	N/A		
	Canopy Species	% Cover	Size Class	s [DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Yellow Birch	5	Pole		8	Bla	ck Spruce	Medium	Variable	Sapling	
No	orthern White Cedar	45	Log		10 94	Norther	n White Cedar	Medium	Variable	Sapling	
	Red Maple	10	Pole		8	H	Hemlock	Low	Variable	Sapling	
	Paper Birch	10	Pole		8						
	Balsam Fir	5	Pole		6						
	Black Spruce	25	Pole		6						
9	629 - Mixed no	n-forested v	wetland	No	nstocked	19.2			No		
						Sub-Ca	anopy Species	Density	Avg. Height	Size	
						Bla	ck Spruce	Low		Sapling	
						T	amarack	Low		Sapling	
						W	hite Pine	Low		Sapling	
						T	ag Alder	Low		Tall Shruk	

Compartment: 161 Year of Entry: 2026



Stand	d Level 4 C	over Type									General Comments
10	42340 - Upl	and Spruce	/Fir	Poletimb	er Well	3.0	75	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	20	Pole	6	75	Bal	lsam Fir	Medium	Variable	Sapling	
	Black Spruce	50	Pole	6	75	He	emlock	Medium	Variable	Sapling	
	Balsam Fir	10	Pole	6		Blac	k Spruce	Medium	Variable	Sapling	
	White Pine	10	Pole	6							
	Quaking Aspen	5	Pole	8							
	Hemlock	5	Pole	6							
11	6117 - Lowland Con	Deciduous, iiferous	Mixed	Poletimb	er Well	13.7	82	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	35	Pole	6	83	Не	emlock	Medium	Variable	Sapling	
	Quaking Aspen	5	Pole	6		Red	d Maple	Medium	Variable	Sapling	
No	orthern White Cedar	10	Pole	6		Bal	lsam Fir	Medium	Variable	Sapling	
	DI I - O	10	Pole	6							
	Black Spruce	10	FOIE	0							
	Hemlock	10	Pole	6							
	· ·										
12	Hemlock Paper Birch 6128 - Lowland Dec	10 30 Coniferous,	Pole Pole	6 6 Sawtimb		45.9	94	51-80	N/A		
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species	10 30 Coniferous, ciduous	Pole Pole	6 6 Sawtimb	er Well	Sub-Car	nopy Species	Density	Avg. Height	Size	
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine	10 30 Coniferous, siduous % Cover	Pole Pole	6 6 Sawtimb	I Age	Sub-Car	nopy Species Beech		Avg. Height Variable	Sapling	
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species	10 30 Coniferous, ciduous	Pole Pole Mixed Size Class	6 6 8 Sawtimb 10 16		Sub-Car	nopy Species	Density	Avg. Height	Sapling Sapling	
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine	10 30 Coniferous, siduous % Cover	Pole Pole Mixed Size Class Log	6 6 Sawtimb	I Age	Sub-Car E Wh	nopy Species Beech	Density Medium	Avg. Height Variable	Sapling	
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock	Coniferous, ciduous **Cover 10 65	Pole Pole Mixed Size Class Log Log	6 6 8 Sawtimb 10 16	I Age	Sub-Car E Wh	nopy Species Beech nite Pine	Density Medium Low	Avg. Height Variable Variable	Sapling Sapling	
12	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec	Coniferous, siduous **Cover** 10 65 25 ch, Cherry A	Pole Pole Mixed Size Class Log Log Log Association	6 6 Sawtimb 10 16 16 Sawtimb	95 95 eer Well	Sub-Car E Wh He Red	nopy Species Beech lite Pine emlock d Maple	Density Medium Low Low Medium 1-50	Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling	North end of stand is very portable quality and stocking 2024Another Beech Sale TS: 41-046-13-01
	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species	Coniferous, ciduous Cover 10 65 25 Ch, Cherry A	Pole Pole Mixed Size Class Log Log Log Size Class	6 6 Sawtimb 10 16 16 Sawtimb	95 95 eer Well	Sub-Car E Wh He Rec 17.3 Sub-Car	nopy Species Beech site Pine emlock d Maple 94 nopy Species	Density Medium Low Low Medium 1-50 Density	Avg. Height Variable Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	
	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species Red Maple	10 30 Coniferous, ciduous % Cover 10 65 25 Ch, Cherry A % Cover 85	Pole Pole Mixed Size Class Log Log Log Size Class Log Log Log	6 6 Sawtimb 10 16 16 Sawtimb DBH 10	95 95 eer Well	Sub-Car Rec	nopy Species Beech wite Pine emlock d Maple 94 nopy Species d Maple	Density Medium Low Low Medium 1-50 Density Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Sapling Sapling Sapling	Beech Sale TS: 41-046-13-01
	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species	Coniferous, ciduous Cover 10 65 25 Ch, Cherry A	Pole Pole Mixed Size Class Log Log Log Size Class	6 6 Sawtimb 10 16 16 Sawtimb	95 95 eer Well	Sub-Car E Wh He Rec 17.3 Sub-Car	nopy Species Beech site Pine emlock d Maple 94 nopy Species	Density Medium Low Low Medium 1-50 Density	Avg. Height Variable Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	Beech Sale TS: 41-046-13-01
	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species Red Maple Hemlock Beech	10 30 Coniferous, ciduous % Cover 10 65 25 Ch, Cherry A % Cover 85 10	Pole Pole Pole Mixed Size Class Log Log Log Association Size Class Log Log Log Log Log Log Log	6 6 Sawtimb 10 16 16 Sawtimb DBH 10 14	95 95 eer Well 1 Age 94	Sub-Car E Wh He Rec 17.3 Sub-Car	nopy Species Beech lite Pine emlock d Maple 94 nopy Species d Maple Beech	Density Medium Low Low Medium 1-50 Density Medium Full	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	Beech Sale TS: 41-046-13-01 TCR: 9/27/17 Has a ridge of high ground where birch is dying out.Survey corner is
13	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species Red Maple Hemlock Beech	10 30 Coniferous, siduous % Cover 10 65 25 Ch, Cherry A % Cover 85 10 5 Ch Spland Spruce Spru	Pole Pole Pole Mixed Size Class Log Log Log Association Size Class Log Log Log Log Log Log Log	6 6 Sawtimb 10 16 16 Sawtimb 10 14 12 Poletimb 12	95 eer Well 1 Age 94	Sub-Car E Wh He Rec 17.3 Sub-Car Rec He 12.6	nopy Species Beech inte Pine emlock d Maple 94 nopy Species d Maple Beech emlock	Density Medium Low Low Medium 1-50 Density Medium Full Low	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	Beech Sale TS: 41-046-13-01 TCR: 9/27/17 Has a ridge of high ground where birch is dying out.Survey corner is there, 20 in white pine witness tree is dead and rotting away 20 ft tall and
13	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species Red Maple Hemlock Beech	10 30 Coniferous, siduous % Cover 10 65 25 Ch, Cherry A % Cover 85 10 5 Ch Spland Spruce Spru	Pole Pole Pole Mixed Size Class Log	6 6 Sawtimb 10 16 16 Sawtimb 10 14 12 Poletimb 12	95 95 eer Well 1 Age 94	Sub-Car Rec 17.3 Sub-Car Rec 12.6 Sub-Car	nopy Species Beech wite Pine emlock d Maple 94 nopy Species d Maple Beech emlock	Density Medium Low Low Medium 1-50 Density Medium Full Low 51-80	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling	Beech Sale TS: 41-046-13-01 TCR: 9/27/17 Has a ridge of high ground where birch is dying out.Survey corner is
13	Hemlock Paper Birch 6128 - Lowland Dec Canopy Species White Pine Hemlock Red Maple 4112 - Maple, Beec Canopy Species Red Maple Hemlock Beech 42320 - Ul	10 30 Coniferous, siduous % Cover 10 65 25 Ch, Cherry A % Cover 85 10 5 Pland Spruce % Cover % Cover	Pole Pole Pole Mixed Size Class Log Log Log Log Log Log Size Class Log Log Ce Size Class	6 6 Sawtimb 10 16 16 Sawtimb DBH 10 14 12 Poletimb DBH DBH	95 eer Well Age 94 eer Well age 94 eer Well	Sub-Car Rec 17.3 Sub-Car Rec 12.6 Sub-Car Bal	nopy Species Beech emlock d Maple 94 nopy Species d Maple Beech emlock 82 nopy Species	Density Medium Low Low Medium 1-50 Density Medium Full Low 51-80 Density	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable Avg. Height Avg. Height	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling	Beech Sale TS: 41-046-13-01 TCR: 9/27/17 Has a ridge of high ground where birch is dying out.Survey corner is there, 20 in white pine witness tree is dead and rotting away 20 ft tall and



Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN .
15	6225	5 - Bog		Nonsto	cked	34.1			No			
						Sub-Car	opy Species	Density	Avg. Height	Size		
						Blac	k Spruce	Low		Sapling		
						Taı	marack	Low		Sapling		
						Wh	ite Pine	Trace		Pole		
16	4134 - Aspe	en, Spruce/	/Fir	Sapling	Well	51.7	33 I	mmature	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size		
	Red Maple	5	Sapling	4		Red	d Maple	Low	< 5 feet	Sapling		
	Quaking Aspen	50	Sapling	4	33	Pap	er Birch	Low	< 5 feet	Sapling		
	Balsam Fir	30	Sapling/Pole	4		Quaki	ng Aspen	Low	< 5 feet	Sapling		
	Black Spruce	5	Sapling	4		Bal	sam Fir	Low	< 5 feet	Sapling		
	Paper Birch	10	Sapling	4							-	
17		wland Ceda	ar :	Sapling		36.2	69	1-50	N/A			
	Canopy Species		Size Class		Age		opy Species	Density	Avg. Height	Size		
No	rthern White Cedar	85	Sapling	3	69		k Spruce	Low	Variable	Sapling		
	Black Spruce	5	Sapling	3		Northern	White Cedar	Medium	Variable	Sapling		
	White Pine	5	Log	14								
	Paper Birch	5	Sapling	3								
18	6122 - BI	ack Spruce	e Po	oletimb	er Well	4.8	96	81-110	N/A		Transition in north to more fir and birch	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	1	
	Balsam Fir	5	Pole	6		Blac	k Spruce	Low	< 5 feet	Sapling		
	Paper Birch	10	Pole	5							_	
	Black Spruce	85	Pole	7	96							
19	6117 - Lowland Con	iferous		oletimb		136.4	83	1-50	N/A		Mainly sub merchantable timber.	
	Canopy Species	% Cover	Size Class		Age	Sub-Car	opy Species	Density	Avg. Height	Size		
	Red Maple	55	Pole	5	83	Bal	sam Fir	Low	< 5 feet	Sapling		
	Bigtooth Aspen	5	Pole	5						·		
	Tamarack	5	Pole	5								
	Paper Birch	10	Pole	5								
	Black Spruce	15	Pole	5								
	Black Ash	10	Sapling	4								
20	6122 - BI	ack Spruce	e Po	oletimb	er Well	2.9	96	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age							
	Black Spruce	100	Pole	8	96							



Stand	Level 4 Co	Size Density		Acres	Stand Age B	A Range	Managed S	ite	General Comments		
21	6224 - T	Treed Bog		Nonst	ocked	14.3			No		
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Tar	narack	Low		Sapling	
						Black	Spruce	Low		Sapling	
						Whi	te Pine	Low		Sapling	
22	6122 - Bla	ack Spruce	1	Saplino	g Poor	1.6	89	1-50	N/A		This is a spruce bog.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Tamarack	10	Sapling	4		Whi	te Pine	Low	< 5 feet	Sapling	
	White Pine	5	Pole	6		Tar	narack	Low	< 5 feet	Sapling	
	Black Spruce	85	Sapling	4	89	Black	Spruce	Low	< 5 feet	Sapling	
23	4319 - Mixed	Upland Fo	rest P	oletimb	er Wel	l 7.3	99	81-110	N/A		Small bit of high ground, where edge transitions to spruce bog.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	8	Pole	6		Bals	sam Fir	Medium	Variable	Sapling	
	Balsam Fir	35	Pole	8		Black	Spruce	Low	Variable	Sapling	
	Black Spruce	10	Pole	8						, 0	
	Paper Birch	45	Pole	8	99						
(Quaking Aspen	2	Pole	8							
24	6120 - Lov	wland Ceda	ır P	oletimb	er Wel	l 432.8	94	51-80	N/A		Stand varies in size class throughout, black ash is scattered in the stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Black Ash	5	Sapling/Pole	4		Black	Spruce	Low	Variable	0 "	
	Red Maple	5	Pole						Variable	Sapling	
		0	Fole	5		Northern	White Cedar	Medium	Variable	Sapling	
	Paper Birch	5	Pole	5		Northern	White Cedar	Medium			
	Paper Birch Black Spruce					Northern	White Cedar	Medium			
Nor		5	Pole	5	94	Northern	White Cedar	Medium			
Nor	Black Spruce	5 15	Pole Pole	5	94	Northern	White Cedar	Medium			
Nor 25	Black Spruce thern White Cedar White Pine	5 15 65	Pole Pole Pole Log	5 5 5 10	94 per Wel		White Cedar	Medium 51-80			
25	Black Spruce thern White Cedar White Pine	5 15 65 5 ack Spruce	Pole Pole Pole Log	5 5 5 10		1 5.2			Variable		
25	Black Spruce thern White Cedar White Pine 6122 - Black	5 15 65 5 ack Spruce	Pole Pole Pole Log	5 5 5 10	er Wel	l 5.2 Sub-Can	89	51-80	Variable N/A	Sapling	
25	Black Spruce rthern White Cedar White Pine 6122 - Black Canopy Species	5 15 65 5 ack Spruce	Pole Pole Pole Log Pole Size Class	5 5 5 10 oletimb	er Wel	l 5.2 Sub-Can	89 opy Species	51-80 Density	Variable N/A Avg. Height	Sapling	
25	Black Spruce thern White Cedar White Pine 6122 - Blace Canopy Species Paper Birch Black Spruce	5 15 65 5 ack Spruce % Cover 5	Pole Pole Log Size Class Pole Pole	5 5 5 10 oletimb 5 6	per Wel	Sub-Can Bals Red	89 opy Species sam Fir	51-80 Density Low	Variable N/A Avg. Height Variable	Sapling Size Sapling	Areas have advanced red maple and paper birch understory. Occasional
25	Black Spruce thern White Cedar White Pine 6122 - Blace Canopy Species Paper Birch Black Spruce	5 15 65 5 ack Spruce % Cover 5 95 ack Spruce	Pole Pole Log Size Class Pole Pole	5 5 5 10 oletimb DBH 5 6	per Wel	Sub-Can Bals Red m 18.4	89 opy Species sam Fir I Maple	51-80 Density Low Medium	N/A Avg. Height Variable Variable	Sapling Size Sapling	Areas have advanced red maple and paper birch understory. Occasiona cedar and white pine.
25	Black Spruce thern White Cedar White Pine 6122 - Black Canopy Species Paper Birch Black Spruce 6122 - Black	5 15 65 5 ack Spruce % Cover 5 95 ack Spruce	Pole Pole Log Pole Log Size Class Pole Pole	5 5 5 10 oletimb DBH 5 6	er Wel Age 89	Sub-Can Bals Red m 18.4 Sub-Can	89 opy Species eam Fir Maple 94	51-80 Density Low Medium 51-80	N/A Avg. Height Variable Variable N/A	Size Sapling Sapling	
25	Black Spruce thern White Cedar White Pine 6122 - Black Canopy Species Paper Birch Black Spruce 6122 - Black Canopy Species	5 15 65 5 ack Spruce % Cover 5 95 ack Spruce	Pole Pole Log Size Class Pole Pole Size Class	5 5 10 oletimbe DBH 5 6 etimbee	er Wel Age 89	Sub-Can Bals Red m 18.4 Sub-Can Red	89 opy Species sam Fir Maple 94 opy Species	51-80 Density Low Medium 51-80 Density	N/A Avg. Height Variable Variable N/A Avg. Height	Size Sapling Sapling Sapling	
25	Black Spruce thern White Cedar White Pine 6122 - Black Canopy Species Paper Birch Black Spruce 6122 - Black Canopy Species Red Maple	5 15 65 5 ack Spruce % Cover 5 95 ack Spruce % Cover	Pole Pole Log Size Class Pole Pole Pole Pole	5 5 5 10 Oletimbe 5 6 etimbe 6	er Wel Age 89	Sub-Can Bals Red m 18.4 Sub-Can Red	89 opy Species sam Fir Maple 94 opy Species	51-80 Density Low Medium 51-80 Density Medium	N/A Avg. Height Variable Variable N/A Avg. Height Variable	Size Sapling Sapling Size Sapling Size Sapling	



	d Level 4 C	over Type	;	Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
27	6122 - Bl	ack Spruce	P	oletimb	er Well	9.0	89	81-110	N/A		Very difficult to access.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Pole	8		Re	d Maple	Medium	Variable	Sapling	
	Black Spruce	85	Pole	8	89	Ва	lsam Fir	Medium	Variable	Sapling	
	Tamarack	3	Pole	8		Blac	k Spruce	Medium	Variable	Sapling	
	Red Maple	2	Pole	6							
28	6122 - Bl	ack Spruce	Р	oletimb	er Well	22.5	96	51-80	N/A		Stand has a bit of variablity, some scatter XL red and white pine as well
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	as some scattered paper birch.
	Paper Birch	3	Pole	8		Ва	lsam Fir	Medium	Variable	Sapling	
	Red Maple	2	Pole	6		Re	d Maple	Medium	Variable	Sapling	
	White Pine	3	XLog	20							
	Black Spruce	85	Pole	6	96						
	Tamarack	5	Pole	6							
	Red Pine	2	Log	14							
		6139 - Mixed Lowland Forest									
30					r Mediun		90	81-110	N/A	Sizo	Two canopy layers, conifer upper dominate canopy with a red maple undernieth.
30	Canopy Species	% Cover	orest Pol	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size Sapling	
30			Size Class	DB H		Sub-Car Re				Sapling	
30	Canopy Species Red Maple	% Cover 45	Size Class	DBH	l Age	Sub-Ca Re Ba	nopy Species d Maple	Density Medium	Avg. Height Variable		
30	Canopy Species Red Maple White Pine	% Cover 45 5	Size Class Pole Log	DB H 6 16	90	Sub-Cal Re Ba Par	nopy Species d Maple Isam Fir	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling Sapling	
30	Canopy Species Red Maple White Pine Tamarack	% Cover 45 5 40	Size Class Pole Log Pole	6 16 8	90	Sub-Cal Re Ba Par	nopy Species d Maple lsam Fir per Birch	Density Medium Medium Low	Avg. Height Variable Variable Variable	Sapling Sapling	
30	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce	% Cover 45 5 40 5	Size Class Pole Log Pole Log Pole Pole	DBH 6 16 8 16 6	90 90 90 per Well	Sub-Cal Re Ba Par	nopy Species d Maple lsam Fir per Birch	Density Medium Medium Low	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	undernieth. Mainly small diameter timber, stand is most likely overstocked (120 BA of
	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce	% Cover 45 5 40 5 5 ack Spruce	Size Class Pole Log Pole Log Pole Pole	DBH 6 16 8 16 6	90 90	Sub-Cal Re Ba Pap Ta	nopy Species d Maple lsam Fir per Birch marack	Density Medium Medium Low Medium	Avg. Height Variable Variable Variable Variable Variable	Sapling Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce	% Cover 45 5 40 5 5 ack Spruce	Size Class Pole Log Pole Log Pole	DBH 6 16 8 16 6	90 90 90 per Well	Sub-Cal Re Ba Pap Ta 11.1 Sub-Cal	nopy Species d Maple Isam Fir per Birch Imarack	Density Medium Medium Low Medium 81-110	Avg. Height Variable Variable Variable Variable N/A	Sapling Sapling Sapling Sapling	undernieth. Mainly small diameter timber, stand is most likely overstocked (120 BA of
	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl	% Cover 45 5 40 5 5 ack Spruce	Size Class Pole Log Pole Log Pole Size Class	DBH 6 16 8 16 6 Poletimb	90 90 90 per Well	Sub-Cal Re Ba Par Ta 11.1 Sub-Cal	nopy Species d Maple lsam Fir per Birch marack 94 nopy Species	Density Medium Medium Low Medium 81-110 Density	Avg. Height Variable Variable Variable Variable Avg. Height	Sapling Sapling Sapling Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl Canopy Species Black Spruce Paper Birch 6125 - Lowland Black	% Cover 45 5 40 5 5 ack Spruce % Cover 95 5	Size Class Pole Log Pole Log Pole Size Class Pole Pole Jack Pine	DBH 6 16 6 Poletimb 6 5 Sapling	90 90 90 per Well 94 94 g Well	Sub-Can Re Ba Pap Ta 11.1 Sub-Can Re Blace 5.1	nopy Species d Maple lsam Fir per Birch marack 94 nopy Species d Maple sk Spruce	Density Medium Medium Low Medium 81-110 Density Medium Low Medium Medium	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable < 5 feet	Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
31	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl Canopy Species Black Spruce Paper Birch 6125 - Lowland Black Canopy Species	% Cover 45 5 40 5 5 ack Spruce % Cover 95 5 ck Spruce,	Size Class Pole Log Pole Log Pole Size Class Pole Pole Jack Pine Size Class	DBH 6	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Sub-Cal Re Ba Pap Ta 11.1 Sub-Cal Re Blac 5.1 Sub-Cal	nopy Species d Maple lsam Fir per Birch marack 94 nopy Species d Maple sk Spruce 33 I	Density Medium Medium Low Medium 81-110 Density Medium Low mmature Density	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable < 5 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
31	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl Canopy Species Black Spruce Paper Birch 6125 - Lowland Bla Canopy Species Black Spruce	% Cover 45 5 40 5 5 ack Spruce % Cover 95 5 ck Spruce, % Cover 30	Size Class Pole Log Pole Log Pole Size Class Pole Pole Jack Pine Size Class Sapling/Pole	DBH 6	90 90 90 per Well 94 94 g Well	Sub-Cal Re Ba Pap Ta 11.1 Sub-Cal Re Blac 5.1 Sub-Cal	nopy Species d Maple Isam Fir per Birch Imarack 94 nopy Species d Maple sk Spruce 33 I	Density Medium Medium Low Medium 81-110 Density Medium Low Medium Low Medium Low	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable < 5 feet N/A Avg. Height < 5 feet	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
31	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl Canopy Species Black Spruce Paper Birch Canopy Species Black Spruce Tamarack	% Cover	Size Class Pole Log Pole Log Pole Size Class Pole Pole Size Class Sapling/Pole Sapling/Pole	DBH 6 16 6 16 6	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Sub-Cal Re Ba Pap Ta 11.1 Sub-Cal Re Blac 5.1 Sub-Cal Blac	nopy Species d Maple lsam Fir per Birch marack 94 nopy Species d Maple sk Spruce 33 I	Density Medium Medium Low Medium 81-110 Density Medium Low mmature Density	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable < 5 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have
31	Canopy Species Red Maple White Pine Tamarack Red Pine Black Spruce 6122 - Bl Canopy Species Black Spruce Paper Birch 6125 - Lowland Bla Canopy Species Black Spruce	% Cover 45 5 40 5 5 ack Spruce % Cover 95 5 ck Spruce, % Cover 30	Size Class Pole Log Pole Log Pole Size Class Pole Pole Jack Pine Size Class Sapling/Pole	DBH 6 16 6 DBH 6 5 Sapling 4 4 4 4 4 4 4 4 4	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Sub-Cal Re Ba Pap Ta 11.1 Sub-Cal Re Blac 5.1 Sub-Cal Blac	nopy Species d Maple Isam Fir per Birch Imarack 94 nopy Species d Maple sk Spruce 33 I	Density Medium Medium Low Medium 81-110 Density Medium Low Medium Low Medium Low	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable < 5 feet N/A Avg. Height < 5 feet	Sapling Sapling Sapling Sapling Size Sapling Sapling Sapling	Mainly small diameter timber, stand is most likely overstocked (120 BA of 5 inch spruce at 85 years old) There are some areas that have



tand	Level 4 Cover Type			Size Density		Acres	Stand Age B	A Range	Managed S	ite	General Comments
33	4130	- Aspen	P	oletimb	er Well	27.4	36	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole/Sapling	6		Red	l Maple	Low	< 5 feet	Sapling	
	Black Spruce	3	Pole/Sapling	6		Bals	sam Fir	Low	< 5 feet	Sapling	
	Red Maple	15	Pole/Sapling	6							
	Balsam Fir	10	Pole/Sapling	6							
	Hemlock	2	Pole/Sapling	6							
	Quaking Aspen	65	Pole/Sapling	6	36						
34	4112 - Maple, Beec	h, Cherry A	ssociation S	awtimb	er Well	292.8	94	51-80	N/A		Another Beech Sale TS: 41-046-13-01
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	TCR: 9/27/17
	Sugar Maple	10	Log	14		Red	l Maple	Medium	Variable	Sapling	
	Hemlock	5	XLog	18		В	eech	High	Variable	Sapling	
	Beech	5	Log	14						1	
	Red Maple	78	Log	14	94						
	Yellow Birch	2	Pole	8							
	Canopy Species Sugar Maple	3	Size Class Log	14	Age	В	opy Species eech	Density High	Avg. Height Variable	Size Sapling	
	Hemlock	2	XLog	18		Rec	l Maple	Medium	Variable	Sapling	
	Beech	5	Log	16							
	Red Maple	90	Log	14	94						
36	6122 - Bl	ack Spruce	Sa	apling I	Medium	6.8	59 U	nspecified	N/A		This seems to be a tranistion zone, there are a handfull of larger jack an
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	white pine in the stand.
	White Pine	2	Pole	6		Black	Spruce	Low	< 5 feet	Sapling	
	Red Pine	2	Pole	6							
	Jack Pine	2	Pole	6							
	Black Spruce	94	Sapling	3	59						
37	·	94 ack Spruce		3 oletimb		4.2	86	81-110	N/A		Scattered birch and cherry, has a hardwood understory developing.
37	·	ack Spruce		oletimb			86	81-110 Density	N/A Avg. Height	Size	Scattered birch and cherry, has a hardwood understory developing.
37	6122 - Bl	ack Spruce	P	oletimb	er Well	Sub-Can				Size Sapling	Scattered birch and cherry, has a hardwood understory developing.
37	6122 - Bl	ack Spruce	Posize Class	oletimb DB H	er Well	Sub-Can	opy Species	Density	Avg. Height		Scattered birch and cherry, has a hardwood understory developing.
37	6122 - Black Spruce	ack Spruce % Cover	Size Class Pole	oletimb DBH	er Well	Sub-Can	nopy Species sam Fir	Density Medium	Avg. Height Variable	Sapling	Scattered birch and cherry, has a hardwood understory developing.
37	6122 - Black Spruce Tamarack	ack Spruce % Cover 50 25	Size Class Pole Pole	oletimb DBH 6	er Well	Sub-Can	nopy Species sam Fir	Density Medium	Avg. Height Variable	Sapling	Scattered birch and cherry, has a hardwood understory developing.



Stand	7,-			Size Density	Acres	Stand Age B	A Range	Managed	Site	General Comments
38	629 - Mixed nor	n-forested w	vetland	Nonstocked	134.1			No		Creighton marshand no marsh optionScattered red pine islands in the south west could potetionally classified at some point as some sort
					Sub-Ca	nopy Species	Density	Avg. Height	Size	of old growth, there is natural regenteration and a many different size
					Ta	ag Alder	Medium	Variable	Tall Shrub	classes. Islands are too small to type out as stands and would most
					Blac	ck Spruce	Low	Variable	Sapling	likely never be included in a timber sale due to there small size and remoteness.
					Wh	nite Pine	Low	Variable	Pole	Temoteness.
					Re	ed Pine	Low	5 - 10 feet	Pole	
39	6128 - Lowland Dec	Coniferous, iduous	, Mixed	Poletimber Well	5.0	96	81-110	N/A		Consider cutting all spruce and maple.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	35	Pole	8 96	Re	d Maple	Medium	Variable	Sapling	
	Paper Birch	15	Log/Pole	10	E	Beech	Low	Variable	Sapling	
	Red Maple	20	Pole	8	Ва	lsam Fir	Medium	Variable	Sapling	
	White Pine	25	XLog	22						•
	Red Pine	5	XLog	20						
40	6124 - Lowla	and Spruce	-Fir	Poletimber Well	6.7	36	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	20	Pole	5	Ва	lsam Fir	Medium	< 5 feet	Sapling	
(Quaking Aspen	20	Pole	6						
	Balsam Fir	35	Pole	5 36						
	Black Spruce	25	Pole	5						
41	6122 - BI	ack Spruce	:	Poletimber Well	31.4	96	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	85	Pole	8 96	Blac	k Spruce	Medium	Variable	Sapling	
	Paper Birch	5	Pole	6						
	Red Pine	5	XLog/Log	18						
	White Pine	5	Log	12						
42	6121 -	Tamarack		Poletimber Well	8.8	104	1-50	N/A		varies in size from east to west.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	2	Pole	6		lsam Fir	Low	Variable	Sapling	
	Black Spruce	15	Pole	6	Re	d Maple	Medium	10 - 20 feet	Sapling	
	Tamarack	75	Pole	9 104	Pap	per Birch	Low	10 - 20 feet	Sapling	
	Red Maple	8	Pole	6	Blac	ck Spruce	Medium	Variable	Sapling	



Stand	Level 4 Co	Level 4 Cover Type			Size Density		Stand Age B	A Range	Managed S	ite	General Comments
43	429 - Mixed U	Jpland Con	ifers	Poletimb	er Well	4.3	94	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	40	Pole	6			d Maple	Medium	Variable	Sapling	
	Red Maple	5	Pole	6		Blad	ck Spruce	Low	Variable	Sapling	
	Tamarack	10	Pole	6		R	ed Pine	Low	Variable	Sapling	
	Red Pine	45	Log	12	94	Ta	marack	Low	Variable	Sapling	
44	42350 - Upl	land Hemlo	ck	Sawtimb	er Well	6.6	96	81-110	N/A		Hemlock is regenerating well, spruce is very low productivity.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	40	Pole	6		Blad	ck Spruce	Low	Variable	Sapling	
	Hemlock	50	Log	12	96	Re	d Maple	Low	Variable	Sapling	
	Red Maple	5	Pole	5		Ва	lsam Fir	Medium	Variable	Sapling	
	Tamarack	5	Pole	6		Н	emlock	Low	Variable	Sapling	
45	4130	- Aspen		Poletimb	er Well	5.5	36	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Maple	5	Sapling	4							
	Paper Birch	5	Sapling	4							
	Bigtooth Aspen	90	Pole/Sapling	g 5	36						
46	6120 - Lov	wland Ceda	r	Sawtimb	er Well	6.2	89	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Hemlock	20	XLog	20		WI	nite Pine	Medium	Variable	Sapling	
No	rthern White Cedar	50	Pole	8	90	Northern	White Cedar	Medium	Variable	Sapling	
	White Pine	30	XLog	20				'			
47	6120 - Lov	wland Ceda	ır	Sapling l	Medium	31.6	69	1-50	N/A		Mainly submerchantable cedar and spruce app. 20ft tall. Scattered
	Canopy Species	% Cover	Size Class	DBH	l Age						superstory white pine.
	White Pine	5	Log	12							
	Paper Birch	10	Sapling	4							
	Black Spruce	5	Sapling	4							
No	rthern White Cedar	80	Sapling	4	69						
48	6129 - Mixed Conife	erous Lowla	and Forest	Sawtimb	er Well	69.7	89	81-110	N/A		Great hemlock regenreation.
48	6129 - Mixed Conife		and Forest Size Class		er Well		89	81-110 Density	N/A Avg. Height	Size	Great hemlock regenreation.
48						Sub-Ca				Size Sapling	Great hemlock regenreation.
48	Canopy Species	% Cover	Size Class	DBH		Sub-Ca	nopy Species	Density	Avg. Height		Great hemlock regenreation.
	Canopy Species Black Spruce	% Cover	Size Class Pole	DB H	I Age	Sub-Ca Ba	nopy Species Isam Fir	Density Medium	Avg. Height Variable	Sapling	Great hemlock regenreation.
	Canopy Species Black Spruce Hemlock	% Cover 5 70	Size Class Pole Log	8 16	I Age	Sub-Ca Ba	nopy Species Isam Fir emlock	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	Great hemlock regenreation.



Stand	tand Level 4 Cover	over Type	er Type		Size Density						General Comments
49	6229 - Mixed	lowland s	hrub	Nonst	ocked	2.0			No		
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Та	g Alder	Medium		Tall Shrub	
50	6120 - Lov	vland Ced	ar Po	oletimb	er Poc	r 37.8	112	1-50	N/A		Mostly submerchantable cedar with spruce and tammarack in very poor
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	condition, tops are dead ith live branches. Could this be from a high water table??? Small pockets of bigger and healthy trees, look like they
	Black Spruce	10	Pole/Sapling	5			White Cedar	Low	Variable	Sapling	may be on slighylt higher ground.
	thern White Cedar	80	Pole/Sapling	5	112						, 3, 3 3
	White Pine	5	Log	10							
	Tamarack	5	Pole	6							
51	4112 - Maple, Beecl	h, Cherry	Association P	oletimk	er We	l 54.2	49	51-80	N/A		
(Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	
Е	Bigtooth Aspen	5	Pole	5		Bals	sam Fir	Low	Variable	Sapling	
	DI I OI	15	Pole	8		Rec	d Maple	Medium	Variable	Sapling	
	Black Cherry	15	FUIE	0		1100	a iviapic				
	Paper Birch	10	Pole	6		Titot	и маріс			1	
					49	rtee	ТМаріс				
52	Paper Birch Red Maple 6128 - Lowland 0	10 70	Pole Pole	6			89	81-110	N/A		Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland 0	10 70 Coniferous duous	Pole Pole	6 8 awtimb		I 29.8			N/A	Size	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Decident	10 70 Coniferous duous	Pole Pole S, Mixed S	6 8 awtimb	er We	l 29.8	89	81-110		Size Sapling	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland O Deci	10 70 Coniferous duous	Pole Pole S, Mixed S.	6 8 awtimb	er We	I 29.8 Sub-Can	89	81-110 Density	Avg. Height		Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock	10 70 Coniferous duous 80	Pole Pole S, Mixed S r Size Class Log	6 8 awtimb	er We	I 29.8 Sub-Can	89 nopy Species	81-110 Density Medium	Avg. Height Variable	Sapling	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple	10 70 Coniferous duous 80 10	Pole Pole S, Mixed S r Size Class Log Pole	6 8 awtimb DBH 14 8	er We	I 29.8 Sub-Can	89 nopy Species	81-110 Density Medium	Avg. Height Variable	Sapling	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen	10 70 Coniferous duous % Cover 80 10 5 5	Pole Pole S, Mixed S Log Pole Pole Pole Pole	6 8 awtimb DBH 14 8 6	er We	I 29.8 Sub-Can	89 nopy Species emlock d Maple	81-110 Density Medium	Avg. Height Variable	Sapling	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch	10 70 Coniferous duous % Cover 80 10 5 5	Pole Pole S, Mixed S Log Pole Pole Pole Pole	6 8 awtimb DBH 14 8 6 8	er We	Sub-Can He Rec	89 nopy Species emlock d Maple	81-110 Density Medium Low	Avg. Height Variable Variable	Sapling	Very good hemlock regeneration.
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch	10 70 Coniferous duous % Cover 80 10 5 5	Pole Pole S, Mixed S Log Pole Pole Pole Pole	6 8 awtimb DBH 14 8 6 8	er We	Sub-Can He Rec 4.8 Sub-Can	89 nopy Species emlock d Maple	81-110 Density Medium Low nspecified	Avg. Height Variable Variable No	Sapling Sapling	
52	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch	10 70 Coniferous duous 80 10 5 5 lowland s	Pole Pole S, Mixed S. r Size Class Log Pole Pole Pole Pole	6 8 awtimb DBH 14 8 6 8	er We	Sub-Can He Rec 4.8 Sub-Can Tag	89 nopy Species emlock d Maple Unopy Species	81-110 Density Medium Low nspecified Density	Avg. Height Variable Variable No	Sapling Sapling	Difficult to type out the stand, varies between spruce and cedar with white
52 53	Paper Birch Red Maple 6128 - Lowland (Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch 6229 - Mixed	10 70 Coniferous duous **Cover 80 10 5 5 Iowland serous Low	Pole Pole S, Mixed S. r Size Class Log Pole Pole Pole Pole	6 8 awtimb 14 8 6 8 Nonste	er We	1 29.8 Sub-Can He Rec 4.8 Sub-Can Tag	89 nopy Species emlock d Maple Unopy Species g Alder	81-110 Density Medium Low nspecified Density Jnspecified	Avg. Height Variable Variable No Avg. Height	Sapling Sapling	
52 53	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch 6229 - Mixed	10 70 Coniferous duous **Cover 80 10 5 5 Iowland serous Low	Pole Pole S, Mixed S r Size Class Log Pole Pole Pole Pole Shrub	6 8 awtimb 14 8 6 8 Nonste	er We 89 ocked	1 29.8 Sub-Can He Rec 4.8 Sub-Can Tag 1 59.4 Sub-Can	89 nopy Species emlock d Maple Unopy Species g Alder	81-110 Density Medium Low Inspecified Density Juspecified 51-80	Avg. Height Variable Variable No Avg. Height N/A	Sapling Sapling Size Tall Shrub	Difficult to type out the stand, varies between spruce and cedar with white
52 53	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch 6229 - Mixed 6129 - Mixed Conife Canopy Species	10 70 Coniferous duous **Cover 80 10 5 5 Iowland s	Pole Pole S, Mixed S r Size Class Log Pole Pole Pole Pole Industrial	DBH 14 8 6 8 Nonste	er We 89 ecked	4.8 Sub-Can Tag 1 59.4 Sub-Can Bals	89 nopy Species emlock d Maple Unopy Species g Alder 90 nopy Species	B1-110 Density Medium Low Inspecified Density Juspecified 51-80 Density	Avg. Height Variable Variable No Avg. Height N/A Avg. Height	Sapling Sapling Size Tall Shrub	Difficult to type out the stand, varies between spruce and cedar with white
52 53	Paper Birch Red Maple 6128 - Lowland C Deci Canopy Species Hemlock Red Maple Quaking Aspen Paper Birch 6229 - Mixed 6129 - Mixed Conife Canopy Species Black Spruce	10 70 Coniferous duous **Covel** 80 10 5 5 Iowland s erous Low **Covel** 45	Pole Pole S, Mixed S. r Size Class Log Pole Pole Pole Pole Shrub land Forest S. r Size Class Pole	DBH 8 Nonste	er We 89 ecked	J 29.8 Sub-Can He Rec 4.8 Sub-Can Tag Sub-Can Bals Black	89 nopy Species emlock d Maple Unopy Species g Alder 90 nopy Species sam Fir	B1-110 Density Medium Low Inspecified Density Jnspecified 51-80 Density Medium	Avg. Height Variable Variable No Avg. Height N/A Avg. Height Variable	Sapling Sapling Size Tall Shrub Size Sapling	Difficult to type out the stand, varies between spruce and cedar with white



Stand	and Level 4 Cover Type S		Size Density		Acres Stand Age BA		BA Range	Managed S	ite	General Comments	MICHIGAN .	
55	4119 - Mixed No	orthern Hard	dwoods Sa	wtimbe	Medium	n 14.1	94	1-50	N/A		Under contrtact "beechball" 41-040-13-01 unit 2	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	TCR- 1/5/16	
	Red Maple	50	Log	14	94	Re	ed Maple	Medium	Variable	Sapling		
	Quaking Aspen	5	Pole	6			Beech	High	Variable	Sapling		
	White Pine	5	Log	14						-	1	
	Paper Birch	30	Pole	8								
	Black Cherry	10	Pole	8								
56	4136 - Asper	n, Mixed Co	nifer P	oletimb	er Well	72.3	48	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Pole/Sapling	6		Re	ed Maple	Medium	Variable	Sapling		
	Balsam Fir	15	Pole	8		Ba	ılsam Fir	Low	Variable	Sapling		
	Hemlock	5	Pole	8		Bla	ck Spruce	Low	Variable	Sapling		
	Black Cherry	5	Pole/Sapling	6							1	
	Bigtooth Aspen	60	Pole/Sapling	6	48							
	Paper Birch	5	Pole/Sapling	6								
57	6120 - Lo	wland Ceda	ar P	oletimb	er Poor	35.0	112	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Spruce	5	Pole	6		Bla	ck Spruce	Low	Variable	Sapling		
No	rthern White Cedar	90	Pole	5	113	Norther	n White Cedar	Low	Variable	Sapling		
	Tamarack	5	Pole	6				<u> </u>				
58	6122 - B	lack Spruce	; P	oletimb	er Well	5.4	91 L	Jnspecified	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Spruce	100	Pole	6	91	Bla	ck Spruce	Low	< 5 feet	Sapling		
59	4134 - Asp	en, Spruce/	Fir P	oletimb	er Well	26.1	30	Immature	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Sapling/Pole	4		Bla	ck Spruce	Low	< 5 feet	Sapling		
	Balsam Fir	10	Sapling/Pole	4		Re	ed Maple	Low	< 5 feet	Sapling		
	Balloalli i li											
	Black Spruce	10	Pole	5		Qual	king Aspen	Low	< 5 feet	Sapling		
		10 50	Pole Pole	5	30		king Aspen alsam Fir	Low	< 5 feet	Sapling Sapling		



Stand	and Level 4 Cover Type			Size Density		Acres Stand Age BA		A Range	Managed S	Site	General Comments
60	42200 - Nati	ural White F	Pine	Sawtimb	er Poor	99.5	94	1-50	N/A		stand cut in 2009 (camp conifers)
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	seeded winter 2016 on snowmobile to JP. FTP:1658 regen check needed after 10/1/2019. Regen check passed 2019.
	White Pine	100	XLog	20	94	Red	d Maple	Medium	5 - 10 feet	Sapling	- 10gon oncon nocaca and 10g n = 10gon oncon passoa = 0.10
				,		Pap	er Birch	Low	5 - 10 feet	Sapling	
						Quak	ing Aspen	Medium	10 - 20 feet	Sapling	
						Wh	ite Pine	Medium	5 - 10 feet	Sapling	
						Blac	k Spruce	Low	< 5 feet	Sapling	
61	6122 - Bl	lack Spruce	;	Poletimb	er Well	8.9	91	51-80	N/A		Scattered XL white pine.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	100	Pole	6	92	Blac	k Spruce	Low	Variable	Sapling	
62	6113 - Lo	wland Mapl	е	Poletimb	er Well	8.1	74	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	20	Pole	6		Blac	k Spruce	Low	Variable	Sapling	
	White Pine	15	Log	10		Red	d Maple	Low	Variable	Sapling	
No	rthern White Cedar	5	Pole	8							
	Red Maple	60	Pole	6	74						
63	429 - Mixed l	Upland Con	ifers	Poletimb	er Well	27.0	29	1-50	N/A		Red and White pine residual overstory. Random mix of everything,
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stand will eventually sort itself out.
	White Pine	10	Log	14		Bal	sam Fir	Medium	< 5 feet	Sapling	
	White Pine	30	Pole/Saplin	g 5	29	Pap	er Birch	Medium	< 5 feet	Sapling	
	Red Pine	10	Log	14		Wh	ite Pine	Medium	< 5 feet	Sapling	
	Paper Birch	10	Sapling	3		Blac	k Spruce	Medium	< 5 feet	Sapling	
	Balsam Fir	5	Sapling	3						•	•
	Bigtooth Aspen	30	Pole/Saplin	g 5	29						
	Black Spruce	5	Sapling	3							
64	6122 - Bl	lack Spruce)	Poletimb	er Well	19.8	91	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Jack Pine	40	Pole	8		Jac	ck Pine	Low	< 5 feet	Sapling	
	White Pine	10	Log/XLog	14		Wh	ite Pine	Low	< 5 feet	Sapling	
	Black Spruce	50	Pole	6	91	Blac	k Spruce	Low	< 5 feet	Sapling	
65	6229 - Mixed	d lowland sh	nrub	Nonst	ocked	63.4			No		
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Bla	ick Ash	Low		Sapling	

Shingleton Mgt. Unit



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age E	BA Range	Managed S	ite	General Comments
66	429 - Mixed I	Jpland Con	ifers	Sapling	Well	41.6	30	Immature	N/A		Stand could be coded either as jack pine or spruce based on the areas in was in. Stand is a little on the thin sidenot quite fully stocked-matches
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	comments from previous inventory.
	Black Spruce	50	Sapling	3	30	W	hite Pine	Low	< 5 feet	Sapling	sommone nom provided inventory.
	Jack Pine	45	Sapling	3		Bla	ck Spruce	Low	< 5 feet	Sapling	
	White Pine	5	Sapling	3				1	1	1	
67	6129 - Mixed Conif	erous Lowla	and Forest	Sawtimb	er Well	40.1	94	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	8			Beech	Medium	Variable	Sapling	
	Hemlock	95	Log	14	94	Н	Hemlock	Low	Variable	Sapling	
		1				R	ed Maple	Low	Variable	Sapling	
68	122 - Roa	d/Parking L	ot	Nonsto	cked	1.3			No		
69	4112 - Maple, Beed	ch, Cherry A	Association S	awtimber	Mediur	n 11.1	94	1-50	N/A		Cut in 12/13 currently under contract "beechball" 41-404-13-01TCR -
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	1/5/16
	Hemlock	5	XLog/Log	18			Beech	Medium	Variable	Sapling	
	Yellow Birch	3	Pole	6		R	ed Maple	Medium	Variable	Sapling	
	Red Maple	92	Log/Pole	10	94			'		1	•
70	4130	- Aspen		Poletimb	er Well	11.0	47	1-50	N/A		White pine superstory.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Quaking Aspen	85	Pole	6	47	Ва	alsam Fir	Low	< 5 feet	Sapling	
	Red Maple	3	Pole	5			Beech	Low	Variable	Sapling	
	White Pine	2	XLog	18							•
	Balsam Fir	10	Pole	5							
71	42200 - Nati	ural White F	Pine	Sawtimb	er Well	25.6	94	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Red Pine	20	XLog	18		R	ed Maple	Medium	5 - 10 feet	Sapling	
	White Pine	80	XLog	18	94	W	hite Pine	Medium	5 - 10 feet	Sapling	
72	4112 - Maple, Beed					8.2	94	51-80	N/A		Cut in 12/13 for beech salvage.
	Canopy Species		Size Class	DBH	Age		anopy Species		Avg. Height	Size	
	Sugar Maple	5	Log	10		Ва	alsam Fir	Low	Variable	Sapling	
	Balsam Fir	5	Pole	8			Beech	Low	Variable	Sapling	
	Hemlock	5	Log	12							
	Red Maple	85	Log/Pole	12	94						



Stand	Level 4 Cover Type			Size Density		Acres	Acres Stand Age B		Managed Site		General Comments
73	6129 - Mixed Coniferous Lowland Forest			Sawtimber Well		I 11.0	89	81-110	N/A		Small pocket of hardwood on the southwest corner.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	
	Yellow Birch	2	Log	10		В	alsam Fir	Medium	Variable	Sapling	
	Hemlock		Log	16	89	R	ed Maple	Low	Variable	Sapling	
	Red Maple	10	Pole	8		ŀ	Hemlock		Variable	Sapling	
74	6120 - Lov	wland Ceda	ır	Sawtimb	er Wel	l 5.1	89	51-80	N/A		Sub merchantable ash on northeast edge.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	
	Hemlock	10	Log	12		Balsam Fir		Low	Variable	Sapling	
No	rthern White Cedar	65	Log	10	89	R	ed Maple	Medium	Variable	Sapling	
	Red Maple	25	Pole/Log	8	8		Black Spruce		Variable	Sapling	
77	4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimb	er Wel	l 66.9	94	1-50	N/A		TS: 41-040-13-01 unit 2TCR- 1/5/16
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	
	Sugar Maple		Log	14		R	ed Maple	Medium	Variable	Sapling	
	Hemlock	2	XLog/Log	18		Beech		High	Variable	Sapling	
	Red Maple	95	Log	14	94						-