

# **Compartment Review Presentation**

**Shingleton Forest Management Unit** 

Compartment 41035 Entry Year 2027 Acreage: 1,630

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Adam Petrelius

**Legal Description:** 

T43N R16W Sections 1,2,11,12,13

### **Identified Planning Goals:**

This compartment lies within the Seney Lake Plain. The main goal of this compartment is to conduct multiple resource management for current and future generations.

### Soil and topography:

The topography in this compartment is mostly flat to slightly rolling. A wide variety of soil types are located within the compartment and support high quality hardwoods, mixed pine, and lowland conifer species. The major soil types found within the compartment, in order of abundance, are Carbon-Lupton-Tawas Mucks, Markey Mucky Peat, and Pelkie. The major habitat types within the compartment, in order of abundance, are Unclassified Wetland, AFPo, and PVE. Most of the compartment lies within the Stutts Creek Sands Land Type Association. Other Land Type Associations found within the compartment are the Hickey Creek Peatlands and Hiawatha Moraine.

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

Adjacent ownership along the compartment boundary is a mixture of both private and state land. Numerous camps and permanent residences are located along the southwest portion of the compartment boundary.

State land within this compartment was acquired between 1927 and 1951. Most of the land was either tax reverted or purchased, but some was exchanged with both private individuals and the Federal Government.

## **Unique Natural Features:**

Under review.

### Archeological, Historical, and Cultural Features:

None known.

### **Special Management Designations or Considerations:**

An Ecological Reference Area (ERA) for a dry northern forest is located within the compartment.

#### **Watershed and Fisheries Considerations:**

This compartment contains Grindstone Creek, Stutts Creek, Southside Creek, and Hiawatha Creek. Southside Creek and Hiawatha Creek are designated Type 1 trout streams less than 50-ft wide that have predicted mean July water temperatures of 57.2 and 60.4°F (cold streams), respectively. 300-foot buffers are recommended for Southside Creek and Hiawatha Creek 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, riparian management zone is recommended to protect these areas in accordance with Best Management Practices.Grindstone Creek and Stutts Creek are non-designated streams that have a predicted mean July water temperatures of 63.0 to 65.8°F (cold streams), respectively. 100-foot, plus 5 feet per 1% increase in slope, riparian management zones are recommended for Grindstone Creek and Stutts Creek to protect these areas in accordance with Best Management Practices.

#### Wildlife Habitat Considerations:

This compartment is located in central Schoolcraft County and lies to the north of M-94. Stutts Creek traverses the area from northwest to southeast. A large portion of the compartment is lowland. Early surveyors recorded finding hemlock, white pine, sugar maple, beech, aspen, yellow birch, and basswood in the uplands. Lowland forests were characterized by spruce, tamarack, fir, and cedar. Today's lowlands appear to be fairly similar in species composition to the circa 1850 forests. In the uplands there seems to have been a reduction of hemlock and white pine, and an expansion of jack pine, red pine, and aspen. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Wildlife habitat objectives include regenerating cedar, protecting the Stutts creek corridor, promoting hemlock, enhancing species diversity within hardwood stands, and maintaining aspen as a component within the compartment.

#### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel, coarse-textured till, and peat and muck. There is greater than 50 feet of glacial drift. The Ordovician Richmond Group subcrops below the glacial drift. The Stonington and Big Hill formations could be used for stone/dolomite. Gravel pits are located in sections 4, 23, and 24, and potential appears to be good on the uplands. There is no commercial oil and gas production in the UP. A dry hole was drilled to the southeast in 2005 (Trenton Formation test).

#### **Vehicle Access:**

Vehicle access is fair within the compartment. Portions of the compartment are located within ¼ mile of M-94, and Southside Road, a County Road, travels through the compartment. A lot of the forest roads within the compartment are accessed through private land, and much of the compartment is lowland which lacks forest roads.

### **Survey Needs:**

Survey work may be needed.

### **Recreational Facilities and Opportunities:**

There are no recreational facilities within this compartment. Recreational opportunities include hunting, fishing, berry picking, hiking, and riding ORV's.

#### **Fire Protection:**

Fire response times to this compartment will be moderate to fast. The absence of forest roads will make fire operations difficult in some areas. Numerous structures are located surrounding the compartment boundary. A lot of potential water sources are also available.

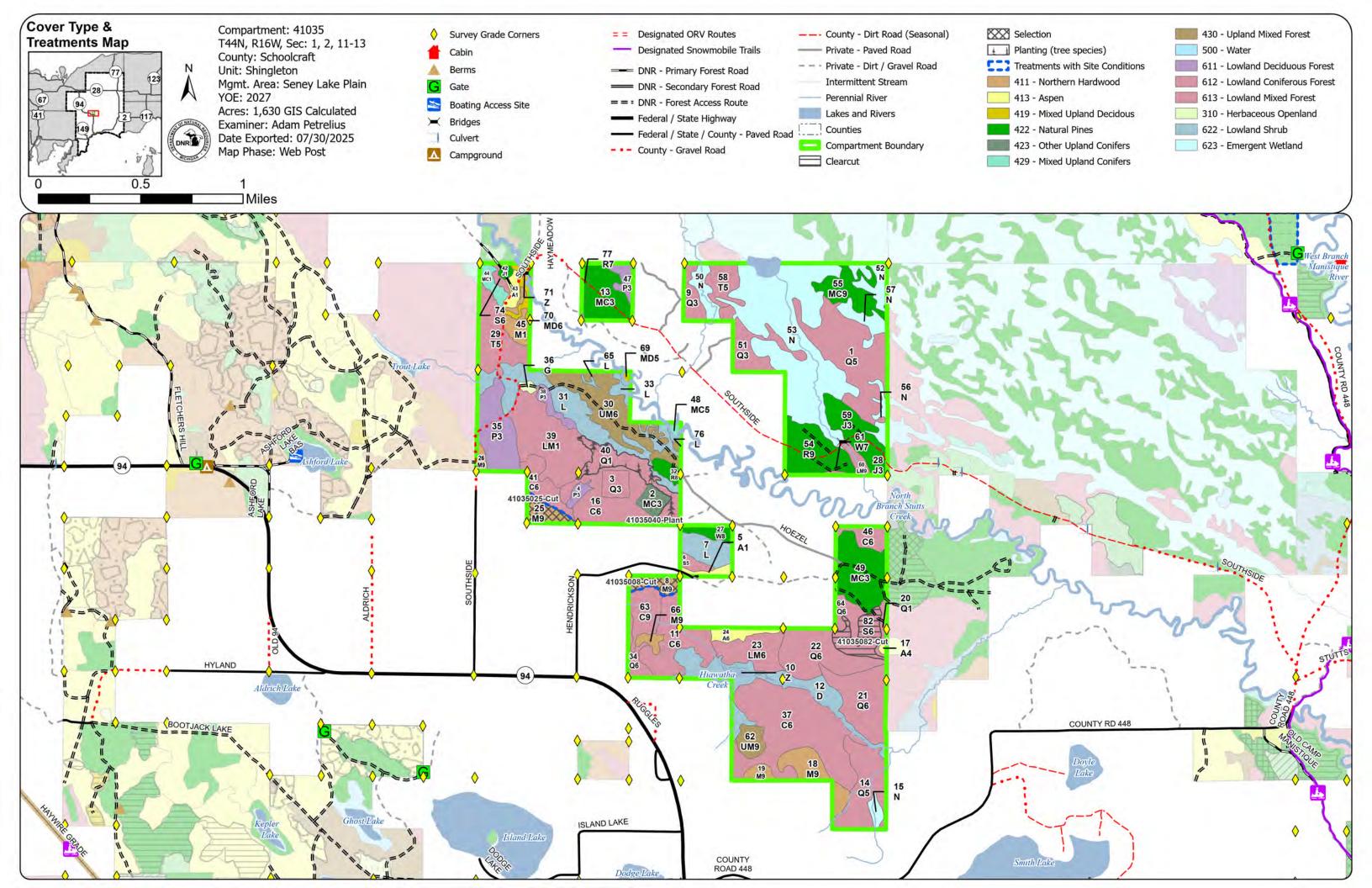
#### **Additional Compartment Information:**

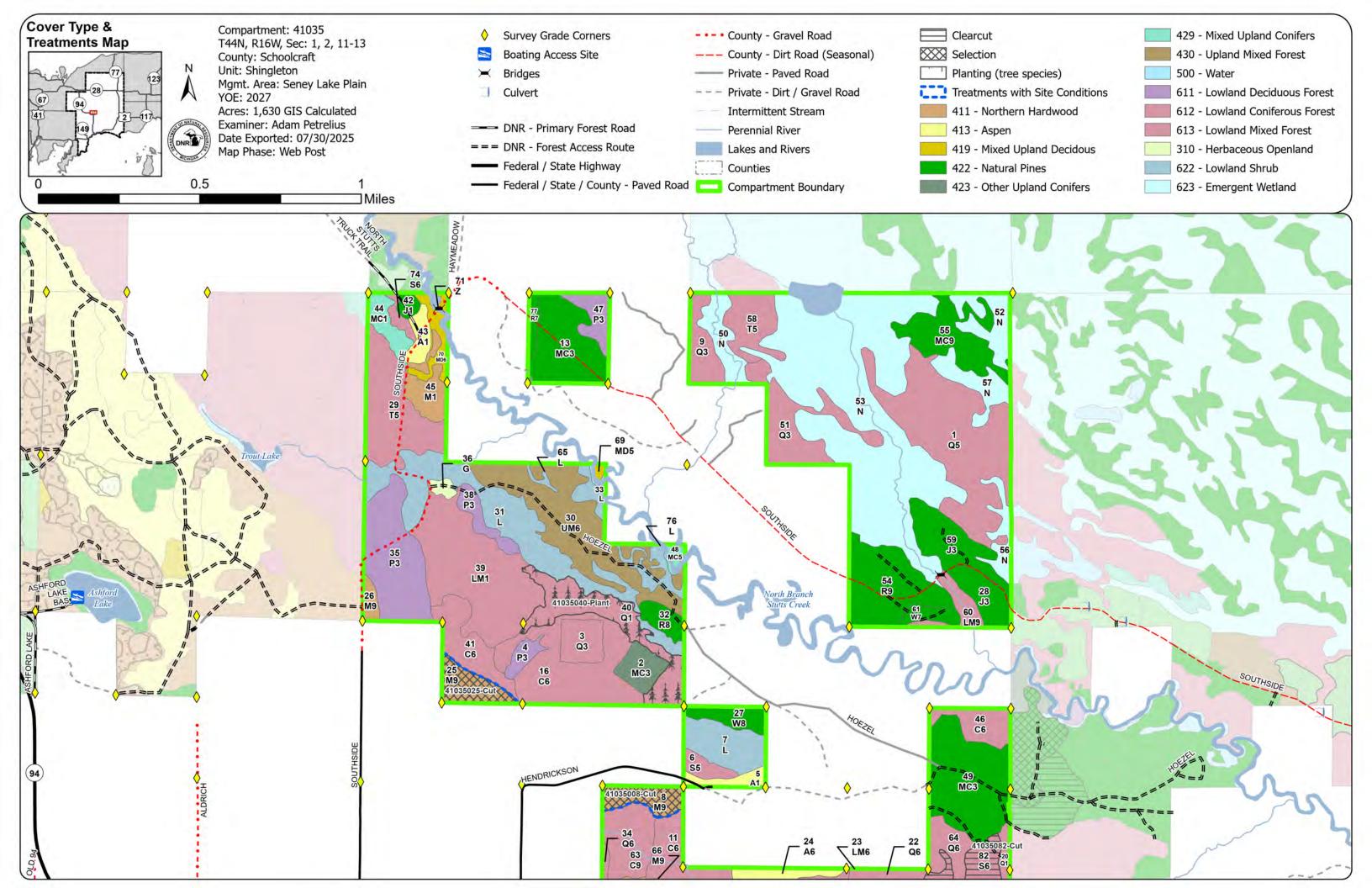
The following reports from the Inventory are attached:

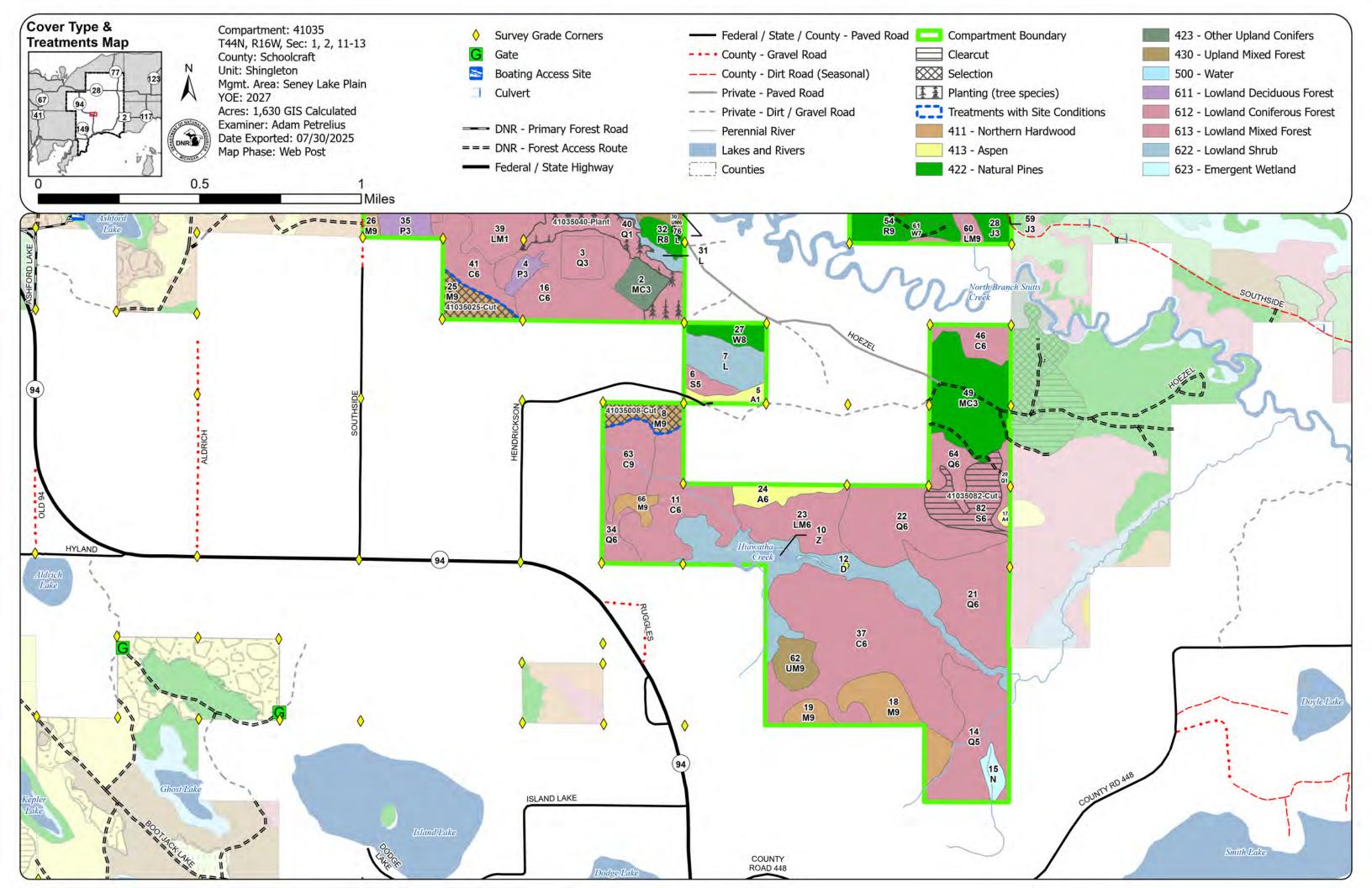
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

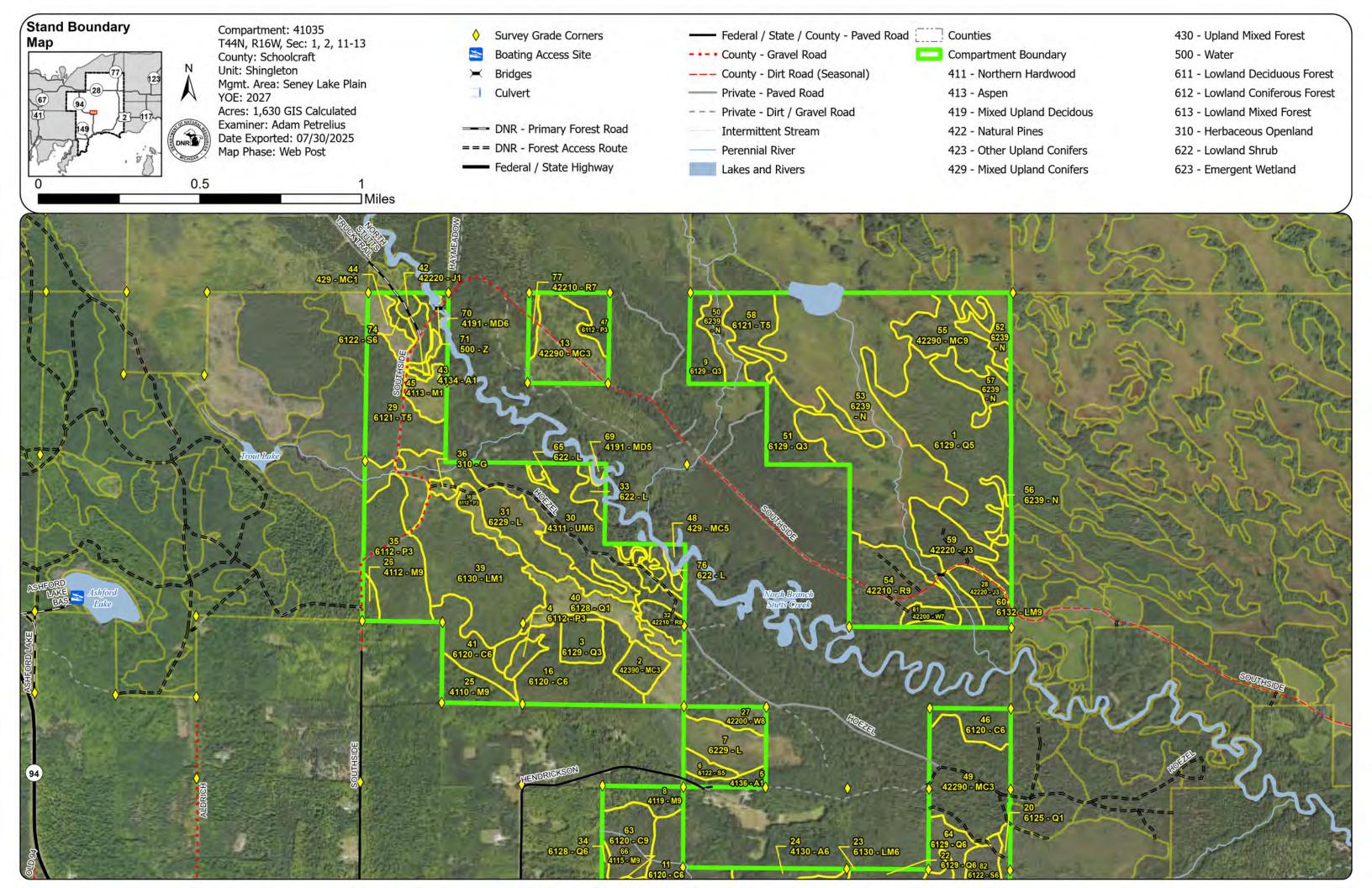
The following information is displayed, where pertinent, on the attached compartment maps:

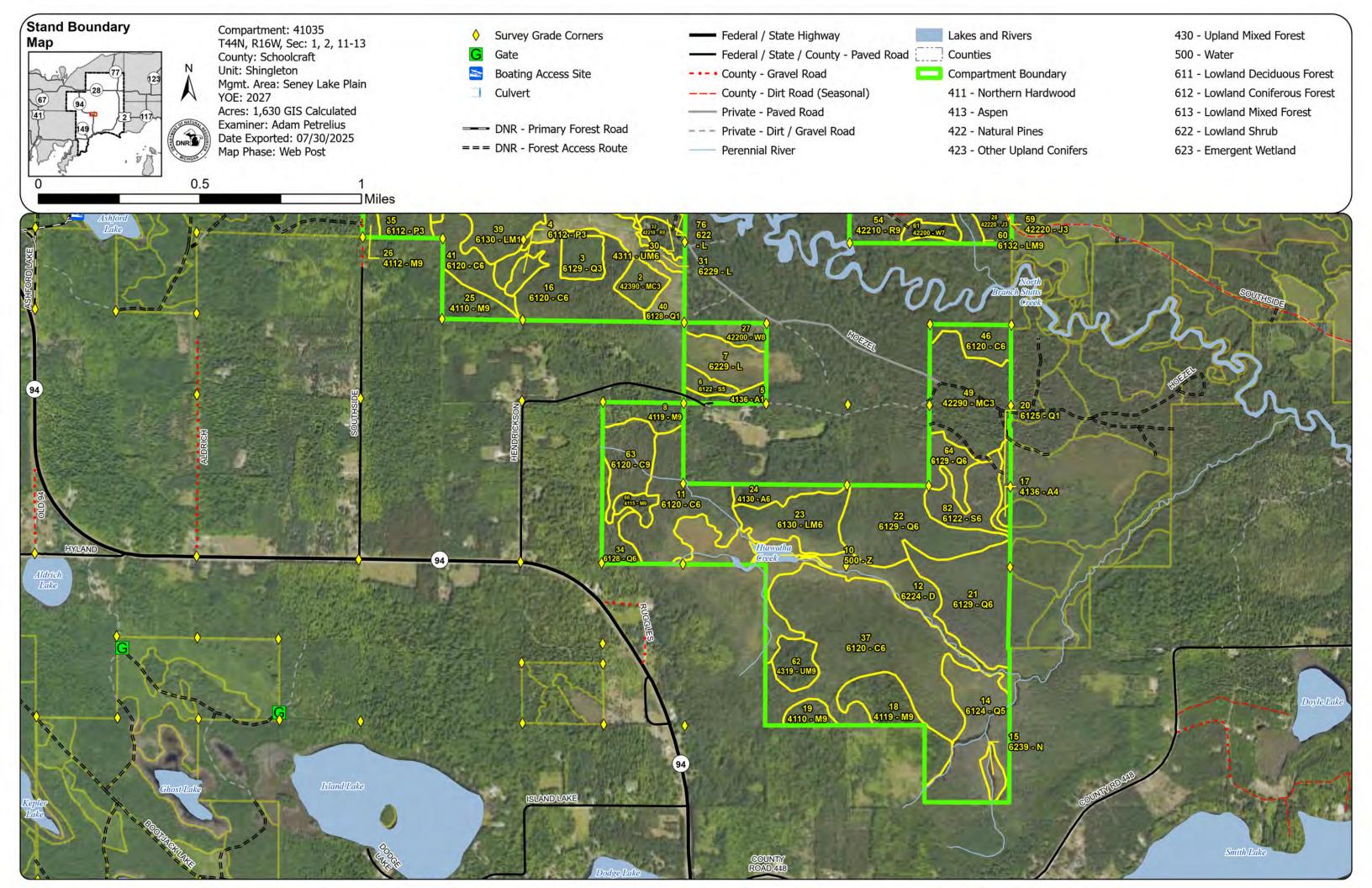
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

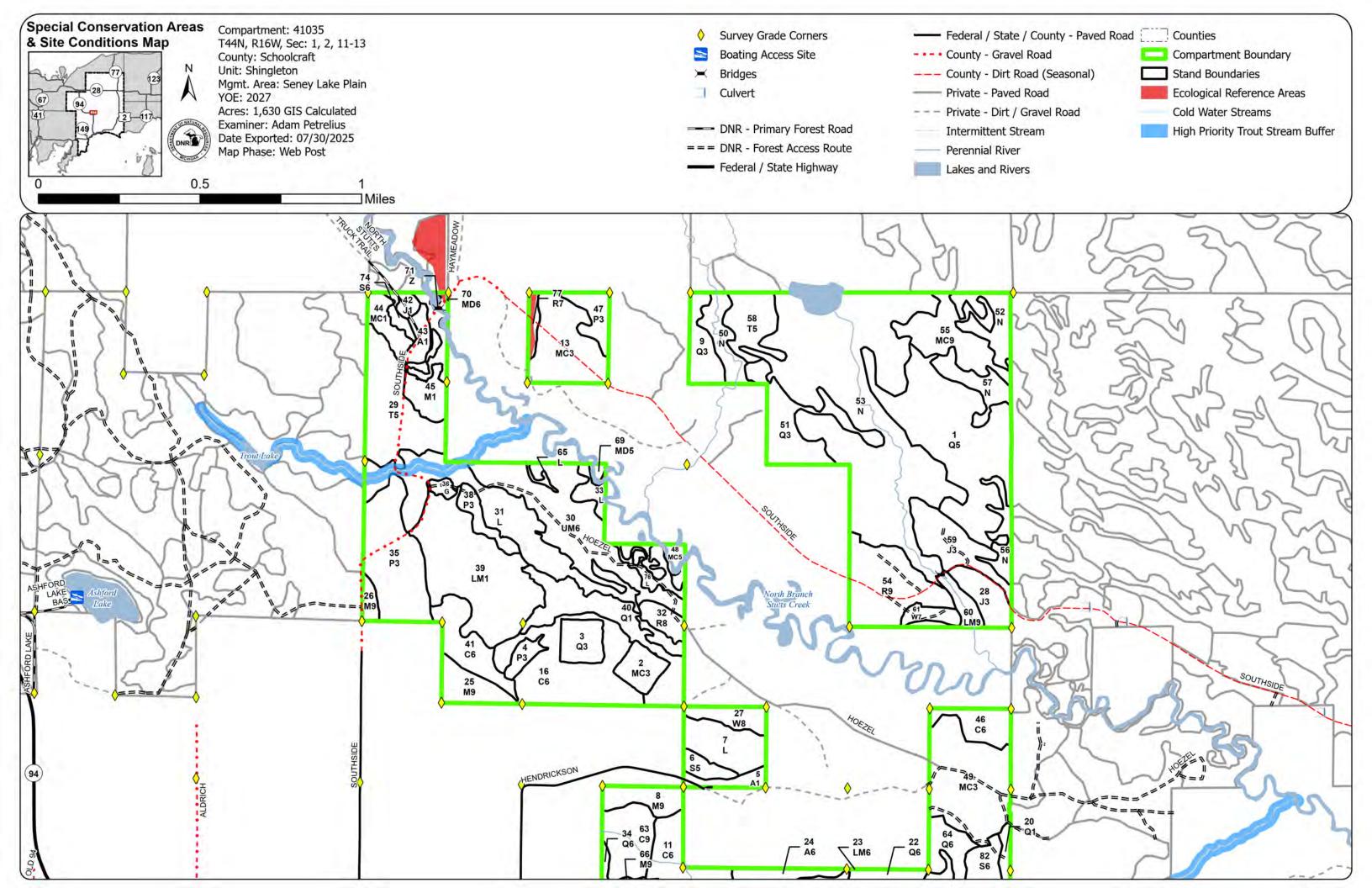


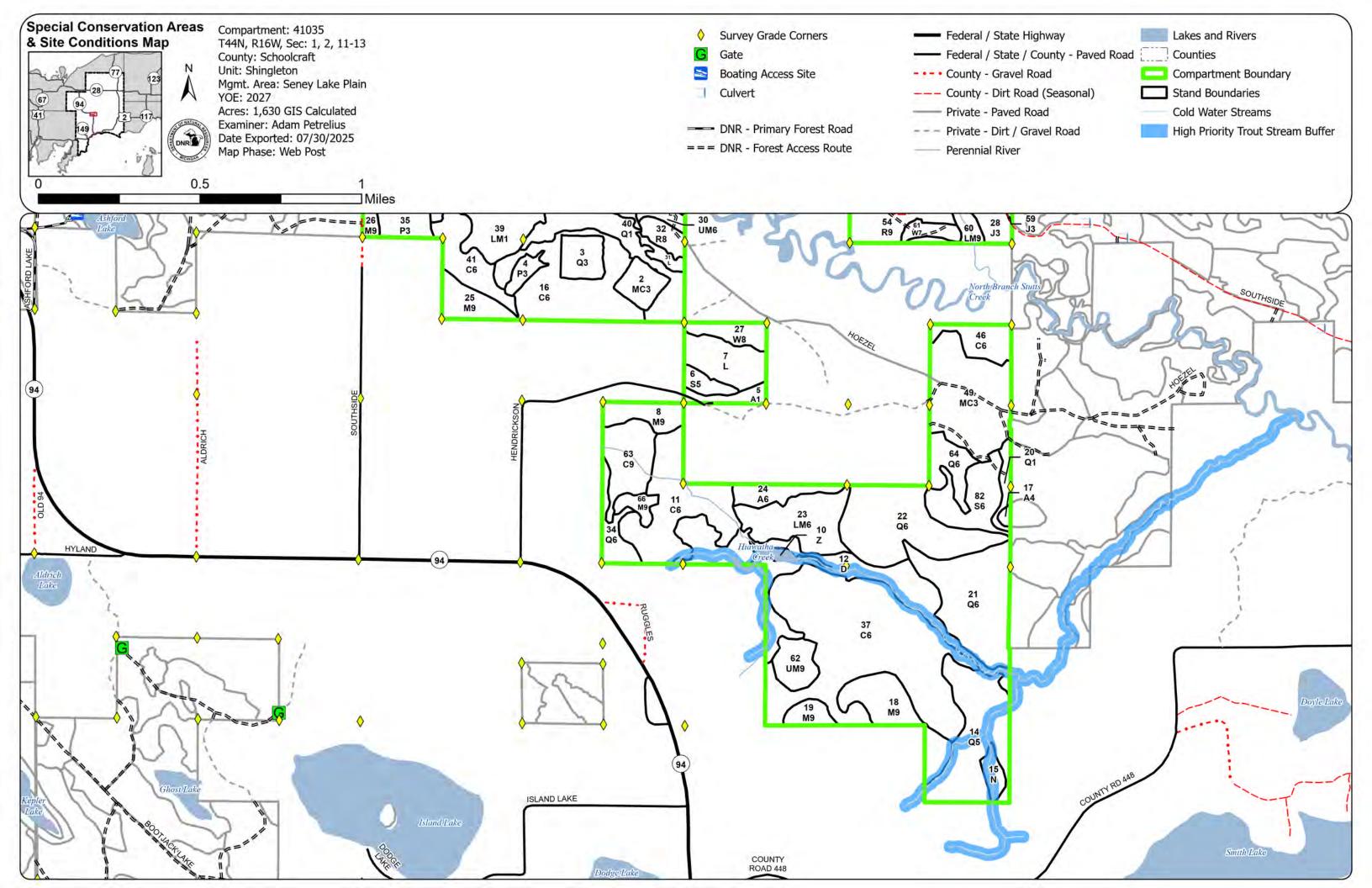












Shingleton Mgt. Unit Adam Petrelius: Examiner



## Age Class

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	/ 🚜		/ "	/ *	/ "	/	/ "	/ `		/ ~	/ "	/ %		/ ~	/ ~	/ *		/ 5	
Aspen	0	0	12	1	0	10	0	0	0	0	0	0	0	0	0	0	0	0	23
Cedar	0	0	0	0	0	0	0	0	65	46	13	0	139	0	0	0	0	0	262
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	3	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Lowland Aspen/Balsam Poplar	0	7	0	14	42	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Lowland Conifers	0	32	0	57	0	0	80	0	10	0	155	0	0	0	0	0	0	0	334
Lowland Mixed Forest	0	0	0	0	66	30	0	0	0	8	0	0	0	0	0	0	0	0	104
Lowland Shrub	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	9	23	0	0	0	0	0	0	0	31
Marsh	218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218
Mixed Upland Deciduous	0	0	0	0	0	0	0	1	0	9	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	80	0	0	0	0	0	0	27	0	0	0	0	0	0	0	107
Northern Hardwood	0	12	0	0	0	0	0	0	0	0	59	5	0	0	0	0	0	0	76
Red Pine	0	0	0	0	0	0	0	0	0	7	4	0	0	0	0	0	0	37	48
Tamarack	0	0	0	0	39	0	0	0	0	17	0	0	0	0	0	0	0	0	56
Treed Bog	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Upland Conifers	0	9	0	10	0	0	3	0	0	0	0	0	0	0	0	0	0	0	22
Upland Mixed Forest	0	0	0	0	59	0	0	0	0	0	12	0	0	0	0	0	0	0	71
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	0	0	0	9	0	6	0	0	0	0	0	0	15
Total	371	60	15	162	241	40	83	1	75	105	293	11	139	0	0	0	0	37	1629



# **Report 2 – Treatment Summary**

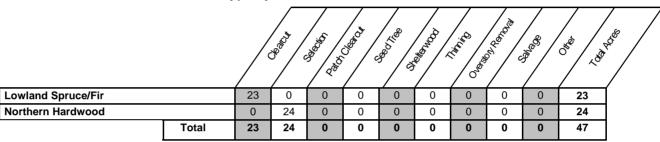
Shingleton Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

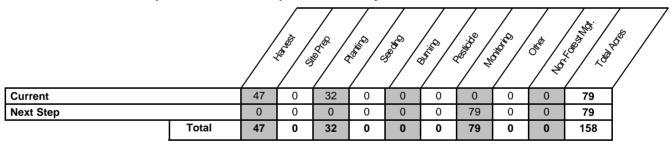
Compartment 35
Total Compartment Acres: 1,630

Commercial Harvest - 44
Harvests with Site Condition - 50
Next Step Harvest - 0
Habitat Cut - 0

# **Cover Type by Harvest Method**



# **Proposed and Next Step Treatments by Method**



Shingleton Mgt. Unit

Stand

CoverType

Report 3 -- Treatments

BA

Range

Compartment: 41035 Year of Entry: 2027

**Proposed Treatments:** 

**Treatment** 

Name

S

t а

n

d

41035008-Cut 11.6 4119 - Mixed

Acres

**Treatment** 

Type

Selection

**Treatment** 

Method

Objective

**Cover Type** 

Age Structure

**Planting** 

Record

No

612 - Lowland

Coniferous

Forest

Habitat Cut

111-9 95 Harvest 411 - Northern Current No Northern Hardwoods 140 Hardwood

Prescription Harvest stand with a target residual basal area of 70 sq. ft. Create adequate regeneration gaps. Basal area may need to be lower in areas

due to topographical considerations. Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

**Treatments:** 

Acceptable Any species on site

Regen:

Verbal permission has been granted for access from Larry Matchinski. Other

Comment:

Site Condition: Unknown Access Proposed Start Date: 10/01/2026

41035025-Cut 12.6 4110 - Sugar Maple 111-Harvest Selection 411 - Northern Current No Hardwood Association 140

5

1-50

**Planting** 

Planting (tree

species)

Size

Density

Stand

Age

Prescription Target residual basal area of 80 sq. ft. per acre. Ensure adequate regeneration gaps are created.

Next Step Treatments:

Acceptable any species onsite

Regen:

**Other** Access 20 years ago was through Dan Hendrichen property.

6128 - Lowland

Coniferous, Mixed

Monitoring, Natural Regen (Re-Inventory)

Comment:

Site Condition: Unknown Access Proposed Start Date: 10/01/2026

Deciduous

Prescription Stand contains some open upland areas which can be planted with oak. Specs:

40

Next Step Monitoring, Natural Regen (Re-Inventory)

32.1

Treatments:

Acceptable all species

41035040-

**Plant** 

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2025

S t			Repoi	rt 3 <sup>-</sup>	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	Habitat Cut
82	41035082-Cu	t 22.5 61	122 - Black Spruce	6	93	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
Preso		I trees excep	ot hemlock and oak	if present	. Leave	a few pin	e on the ridges	for seed. Exclude s	ome spruce alonç	g the edges fo	or retention.
	Step Monito	oring, Natura	al Regen (Re-Invent	ory)							
Acce Rege		coniferous a	and deciduous trees	5							
Othe Com	<u>r</u> ment:										

Total Treatment 78.8 Acreage Proposed:

Proposed Start Date: 10/10/2025

Site Condition:

Shingleton Mgt. Unit
Adam Petrelius: Examiner

Compartment: 35
Year of Entry: 2027



# **Availability for Management**

Total	Acres	Acres Avail	Acres	Dominant Site Conditions									
Acres	Available	With Condition	Not Available		2B	2A	2F	2G	2H	ЗА	3J	5D	5E
24	24	0	0	Aspen									
260	183	0	77	Cedar		29					48		
2	2	0	0	Herbaceous Openland									
37	37	0	0	Jack Pine									
63	63	0	0	Lowland Aspen/Balsam Poplar									
333	266	0	67	Lowland Conifers		10					45	13	
104	96	0	8	Lowland Mixed Forest							8		
91	91	0	0	Lowland Shrub									
28	23	0	5	Lowland Spruce/Fir				2					3
218	218	0	0	Marsh									
10	0	0	10	Mixed Upland Deciduous							10		
107	80	0	27	Natural Mixed Pines					27				
59	23	24	12	Northern Hardwood	24	5	7						
16	7	0	9	Red Pine						4	5		
21	0	0	21	Tamarack					17		4		
54	55	0	0	Treed Bog									
22	22	0	0	Upland Conifers									
71	71	0	0	Upland Mixed Forest									
5	5	0	0	Water									
15	15	0	0	White Pine									
1,539	1,279	24	236	Total Forested Acres	24	44	7	2	44	4	120	13	3
	83%	2%	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 Dominant Site No. 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)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						

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2	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	5D: Unproductive forest land	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments: hemlock, cedar and	d river buffer					
7	Unavailable	2A: Adjacent landowner denied access	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand was a part of	f Southside Fragments Sale #4	-032-17	7. This stand was left untr	reated due to landowner der	nying access.	
8	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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9	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	45	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
11	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
12	Unavailable	3A: Conservation values incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	27	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This stand was not	harvested due to wet soils. Pro-	ducer co	uld not operate.			

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45			4	11	11	11	11
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
16	Unavailable	2A: Adjacent landowner denied access	29	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	2A: Adjacent landowner denied access	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand was a part of	Southside Fragments Sale #41	-032-1	7. This stand was left untreat	ed due to landowner de	nying access.	
19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	22	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
C	Comments:						
N	Many spring fed se	epages and creeks, sometimes	going	underground, throughout star	nd.		
20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
21	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Shingleton Mgt. Unit
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22	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
23	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
24	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
25	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
26	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
27	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:	_					
28	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

Shingleton Mgt. Unit

**Adam Petrelius: Examiner** 



29	Available	2B: Unknown if access through adjacent landowner(s) is possible	13	13 Unspecified Unspecified		Unspecified	Unspecified
	comments: andowner allowed	access 20 years ago. Multiple	landowne	er possibilities exist.			
30	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
_	comments: andowner verbally	gave permission, however only	/ 2 small	treatments exist within thi	s compartment and other	treatment requires landown	ner permission as well.

Mgt. Unit Compartment: #Type!
Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Report 7 - Stands



tanc	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Site		General Comments	
1	6129 - Mixed Conif	erous Lowla	and Forest Po	oletimbei	Mediui	m 79.7	50	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Pine	10		14		Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet		
	Tamarack	40	Sapling	5	50	Та	ımarack	Medium	10 - 20 feet	10 - 20 feet		
	Black Spruce	40	Sapling	5	50	Blac	ck Spruce	Medium	5 - 10 feet	5 - 10 feet		
	White Pine	10		16							-	
2	42390 - Mixed Non-	-Pine Uplan	d Conifers	Sapling	y Well	9.9	26 I	mmature	N/A		This stand is mostly upland, but the low ground has cedar regenerating.	
	Canopy Species	% Cover	Size Class	DBH	l Age							
	Jack Pine	20	Log	2								
	Balsam Fir	20	Log	2								
	Tamarack	15	Log	2								
	Black Spruce	25	Log	2	26							
No	orthern White Cedar	10	Log	2								
	Quaking Aspen	10	Log	2								
3	6129 - Mixed Conif	erous Lowla	and Forest	Sapling	y Well	11.2	26 I	mmature	N/A		This block has the best cedar regeneration of the 3 that were cut 15	
	Canopy Species	% Cover	Size Class	DBH	l Age						years ago.	
	Black Spruce	20	Log	2								
No	orthern White Cedar	45	Log	2	26							
	Balsam Fir	20	Log	2								
	Tamarack	15	Log	2								
4	6112 - Lo	wland Aspe	n	Sapling	y Well	4.8	26 I	mmature	N/A		Stand was originally a cedar harvest. However it had aspen present	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and it is now overtopping everything else. There is cedar regenerati present though underneath the aspen.	
No	orthern White Cedar	10	Sapling	7		Northerr	White Cedar	Medium	5 - 10 feet	5 - 10 feet	a process area grant and asperm	
	Quaking Aspen	90	Log	3	26	Ва	lsam Fir	Medium	5 - 10 feet	5 - 10 feet		
5	4136 - Asper	n, Mixed Co	nifer	Sapling	Poor	6.1	15	1-50	N/A		cut with Nutkins Nightmare Sale. Residual was 27 hemlock. SW	
	Canopy Species		Size Class		l Age						corner was left because it was inoperable.	
	Quaking Aspen	70	Log	2	15							
	Balsam Fir	10	Log	2								
	Hemlock	20		9								
6	6122 - B	lack Spruce	Po	oletimbei	Mediui	m 5.5	81	51-80	N/A		part of an optional unit that was partially cut with the Nutkins  Nightmare sale last year of entry. This portion was not harvest	
	Canopy Species	% Cover	Size Class		l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	because it was too wet.	
	White Pine	20		9		Blac	ck Spruce	Low	5 - 10 feet	5 - 10 feet		
	Red Pine	10	Seedling	9								
	Black Spruce	70	Sapling	6	81							
7	6229 - Mixed	Lowland S	hrub	Nor	ne	19.8			No			
7	6229 - Mixed	Lowlan	d S	d Shrub	d Shrub Nor	d Shrub None	d Shrub None 19.8 No	d Shrub None 19.8 No				

Report 7 – Stands

Compartment: 35
Year of Entry: 2027

	TOF NATUR	R
RT.	4	1
Ada	DNR	
	MICHIGA	1

Stand	Level 4 C	Size Do	ensity	Acres Stand Age BA Range			Managed S	ite	General Comments				
8	4119 - Mixed No	orthern Har	dwoods	Sawtimb	er Well	11.6	95	111-140	N/A		IO/F/OO DD. Chand is a sure a present 44 040 00 IIN this a Nightenness		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare Unit 6. Actual stand acres = 10 Residual Basal Area; Red Pine =		
	Basswood	15		12		Bal	lsam Fir	Medium	5 - 10 feet	5 - 10 feet	1sq ft, hemlock 4 sq ft, sugar maple = 29 sq ft, yellow birch = 2 sq		
	Balsam Fir	5	Seedling	6		Е	Beech	Medium	< 5 feet	< 5 feet	red maple = 8 sq ft, basswood = 10 sq ft, cherry = 6 sq ft, fir = 3 sq ft		
	Black Cherry	10		12							white spruce = 2 sq ft, paper birch = 4 sq ft.[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on		
	Sugar Maple	40		12	95						regen timeclock to count at next OI cycle.2014: stand passed		
	Red Maple	15		12							regen walkthrough. Gaps had a mixture of aspen and hardwood		
	Paper Birch	5		9							species.		
	White Spruce	5		10									
	Hemlock	5		16									
9	6129 - Mixed Conif	erous Lowl	and Forest	Saplin	g Well	12.9	25 I	Immature	N/A				
	Canopy Species	% Cover	Size Class	DBI	H Age								
	Red Maple	10	Log	3									
	Quaking Aspen	5	Log	4									
	Red Pine	10		16									
	Tamarack	10	Log	3									
	White Pine	20		18	91								
	Black Spruce	40	Log	3	25								
No	orthern White Cedar	5	Seedling	8									
10	500	- Water		No	ne	3.1			No				
11	6120 - Lo	wland Ceda	<u></u>	Poletim	er Well	45.5	78	111-140	N/A		stand is younger, wetter, and has poorer stocking than cedar to the		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	west		
						Б.							
	Balsam Fir	5	Pole	4		Bai	lsam Fir	Medium	5 - 10 feet	5 - 10 feet			
	Black Spruce	5	Pole Seedling	6			lsam Fir Alder	Medium High	5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet			
No					78								
No 12	Black Spruce orthern White Cedar	5	Seedling	6						5 - 10 feet			
12	Black Spruce orthern White Cedar	5 90 Treed Bog	Seedling Seedling	6 8	ne	,			5 - 10 feet	5 - 10 feet	Scarified in 1999. 212 red pine, 322 aspen, 264 paper birch, 459 whi		
12	Black Spruce orthern White Cedar 6224 -	5 90 Freed Bog	Seedling Seedling	6 8 No Saplin	ne	54.5	Alder	High	5 - 10 feet No	5 - 10 feet	Scarified in 1999. 212 red pine, 322 aspen, 264 paper birch, 459 whi		
12	Black Spruce orthern White Cedar 6224 - 42290 - Natu Canopy Species White Pine	5 90 Freed Bog	Seedling Seedling	6 8 No Sapline DBI	ne g Well	54.5 31.7 <b>Sub-Car</b>	Alder 26	High	5 - 10 feet No N/A	5 - 10 feet  Size  10 - 20 feet	pine, 582 jack pine. Stand was cut as part of Southside Fragments Sale #41-032-17. TC		
12	Black Spruce orthern White Cedar 6224 - 1 42290 - Natu Canopy Species	5 90 Freed Bog ural Mixed F	Seedling Seedling Pine Size Class	6 8 No Saplin	ne g Well	54.5 31.7 <b>Sub-Car</b>	Alder  26  nopy Species	High 1-50 Density	5 - 10 feet  No  N/A  Avg. Height	5 - 10 feet	pine, 582 jack pine.		
12	Black Spruce orthern White Cedar 6224 - 42290 - Natu Canopy Species White Pine	5 90 Treed Bog ural Mixed F % Cover 20	Seedling Seedling Pine Size Class Log	6 8 No Saplin 2 3 2	g Well	54.5 31.7 <b>Sub-Ca</b> Pap	26 nopy Species per Birch	1-50  Density  Medium	No N/A  Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	5 - 10 feet  Size  10 - 20 feet	pine, 582 jack pine. Stand was cut as part of Southside Fragments Sale #41-032-17. TC		
12	Black Spruce orthern White Cedar 6224 - 42290 - Natu Canopy Species White Pine Jack Pine	5 90  Treed Bog  ural Mixed F  Cover 20 40	Seedling Seedling Pine Size Class Log Log	6 8 No Saplin 2 3	g Well  H Age	54.5 31.7 Sub-Car Pap Re Quak	26 nopy Species per Birch ed Pine	1-50  Density  Medium  Medium	5 - 10 feet  No  N/A  Avg. Height  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	pine, 582 jack pine.  Stand was cut as part of Southside Fragments Sale #41-032-17. TC		

# Report 7 - Stands



Stanc	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
15	6239 - Mixed E	mergent W	etland	Noi	ne	5.0			No		
16	6120 - Lov	vland Ceda	ır	Poletimb	er Well	46.1	86	111-140	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	15	Seedling	7		Bla	ck Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	15	Seedling	7		Norther	n White Cedar	Medium	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	70	Seedling	9	86						_
17	4136 - Aspen	, Mixed Co	nifer	Poletimb	er Poor	1.3	25	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Quaking Aspen	80	Sapling	5	25						
	White Pine	10	Log	3							
	Balsam Fir	10	Log	3							
18	4119 - Mixed No	rthern Hard	dwoods	Sawtimb	er Well	24.6	95	81-110	N/A		Stand was cut as part of sale # 41-021-17-01 Two Day Sale. TCR Date 2/25/2019.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Date 2/23/2019.
	Yellow Birch	10		12		Suç	gar Maple	Full	10 - 20 feet	10 - 20 feet	
	Black Cherry	10		12		Ba	llsam Fir	High	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	15		12							
	Hemlock	5		14							
	Sugar Maple	40		16	95						
	Red Maple	20		16							
19	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	6.4	95	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Hemlock	10		20		Suç	gar Maple	High	10 - 20 feet	10 - 20 feet	
	Sugar Maple	80		16	95		Beech	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	10		16		Ba	lsam Fir	Medium	10 - 20 feet	10 - 20 feet	
20	6125 - Lowland Bla	ck Spruce,	Jack Pine	Sapling		5.2	25	1-50	N/A		
	Canopy Species		Size Class		l Age						
	Black Spruce	45	Log	1	25						
	Tamarack	15	Log	1							
	Jack Pine	30	Log	1							
	Red Pine	10	Pole	1							
21	6129 - Mixed Conife			Poletimb		47.9	93	51-80	N/A		Multiple spruce / tamarack / cedar stands are located in this area which are sub- merchantable or barely merchantable. The stand wit
	Canopy Species		Size Class		l Age						the largest diameter (stand 82) is scheduled.
	Tamarack	30	Sapling	5							
	Black Spruce	40	Sapling	5	93						
No	rthern White Cedar	30	Sapling	6							



Stand	d Level 4 C	over Type		Size Densit	y Acres	Stand Age	BA Range	Managed S	Site	General Comments
22	6129 - Mixed Conif	erous Lowla	and Forest	Poletimber V	/ell 49.4	93	51-80	N/A	4	Multiple spruce / tamarack / cedar stands are located in this area which are sub- merchantable or barely merchantable. The stand with
	Canopy Species	% Cover	Size Class	DBH Ag	е					the largest diameter (stand 82) is scheduled.
	Tamarack	40	Sapling	5 93	3					,
	Black Spruce	30	Sapling	5 93	3					
No	orthern White Cedar	30	Sapling	5						
23	6130 - Fir,	Aspen, Mar	ole	Poletimber V	/ell 29.7	45	1-50	N/A	4	
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub-C	anopy Specie	es Density	Avg. Height	Size	
	Balsam Fir	10	Seedling	5	В	alsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	20	Log	4		Alder	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	30	Seedling	5 4	5		'			-
	Black Spruce	20	Log	4						
	Quaking Aspen	20	Sapling	5 4	5					
24	4130	- Aspen		Poletimber V	/ell 10.1	45	51-80	N/A	4	
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub-C	anopy Specie	es Density	Avg. Height	Size	
	Red Maple	10	Seedling	6	В	alsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Seedling	7 4	5		<u> </u>			1
	Balsam Fir	10	Seedling	6						
25	4110 - Sugar N	Maple Assoc	ciation	Sawtimber V	/ell 12.6	91	111-140	N/A	4	Stand was harvested 20 years ago.
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub-C	anopy Specie	es Density	Avg. Height	Size	
	Yellow Birch	10		12	Blackb	erry/Raspberr	ry Medium	5 - 10 feet	5 - 10 feet	
	Basswood	5		12		Beech	Medium	5 - 10 feet	5 - 10 feet	
	Beech	5		12						
	Sugar Maple	80		14 9 <sup>-</sup>	1					
26	4112 - Maple, Beec	ch, Cherry A	ssociation	Sawtimber V	/ell 3.8	91	81-110	N/A	Ą	Stand was cut as Unit 4 of Southside Fragments Sale #41-032-17.
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub-C	anopy Specie	es Density	Avg. Height	Size	TCR Date 7/13/2021. Treatment was terminated by mistake. Treatment was completed.
	Sugar Maple	60		11 9 <sup>-</sup>	1	Beech	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	40		11	В	alsam Fir	Medium	10 - 20 feet	10 - 20 feet	
					C.	igar Maple	High	10 - 20 feet	10 - 20 feet	
					30	igai mapic	U			$\pm$
27	42200 - Nati	ural White F	Pine S	Sawtimber Me		81	51-80	N/A	4	Thinned in 1998.Stand was cut as part of Southside Fragments
27	42200 - Natu Canopy Species		Pine S		dium 9.3	-	51-80	N/A	Size	Thinned in 1998.Stand was cut as part of Southside Fragments Sale #41-032-17. TCR Date 7/13/2021.
27					dium 9.3	81	51-80			
27	Canopy Species	% Cover		DBH Ag	dium 9.3  e Sub-C	81 anopy Specie	51-80 es Density	Avg. Height	Size	
27	Canopy Species White Pine	% Cover		<b>DBH Ag</b>	dium 9.3  e Sub-C  Qua	81 anopy Specia	51-80 es Density Medium	Avg. Height 10 - 20 feet	<b>Size</b> 10 - 20 feet	
27	Canopy Species White Pine	% Cover		<b>DBH Ag</b>	dium 9.3  e Sub-C  Qua  Bla	81 anopy Specie aking Aspen Red Pine	51-80  es Density  Medium  Medium	Avg. Height 10 - 20 feet 10 - 20 feet	<b>Size</b> 10 - 20 feet 10 - 20 feet	



Stand	Level 4 Cover Type			Size De	nsity	Acres Stand Age B	A Range	Managed S	ite	General Comments	CHIGAH
28	42220 - Nat	ural Jack P	ine	Sapling	y Well	12.5 36	1-50	N/A		Scarified in 1989. scattered red pine logs in the south	
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Pine	20		14							
	Black Spruce	5	Sapling	5							
	Jack Pine	65	Sapling	6	36						
	Quaking Aspen	10	Sapling	6							
29	6121	Tamarack	Ро	letimbe	Medium	38.8 35	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	<b>Sub-Canopy Species</b>	Density	Avg. Height	Size		
	Paper Birch	5	Log	3		Tamarack	Medium	5 - 10 feet	5 - 10 feet		
	Tamarack	70	Sapling	5	35	Alder	Medium	5 - 10 feet	5 - 10 feet		
	Black Spruce	20	Log	4		Black Spruce	Medium	5 - 10 feet	5 - 10 feet		
No	orthern White Cedar	5	Pole	4						•	
30	4311 - Pin	e, Aspen M	ix F	Poletimb	er Well	59.0 35	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Jack Pine	35	Seedling	5		Alder	Medium	5 - 10 feet	5 - 10 feet		
	Black Spruce	15	Pole	4		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	50	Sapling	5	35		'			1	
31	6229 - Mixed	Lowland SI	hrub	No	ne	57.4		No			
32	40040 N-1									Cut in 2010, Nutkins Nightmare sale, 10-08. Residuals were 35 f	eet
JZ	42210 - Nat	ural Red Pi	ne Sa	wtimbe	Medium	7.0 80	51-80	N/A			
JŁ	Canopy Species		ne Sa Size Class		Medium  Age	7.0 80  Sub-Canopy Species	51-80 Density	N/A Avg. Height	Size	RP and 3 ft WP.	
J <u>Z</u>										RP and 3 π WP.	
J2	Canopy Species	% Cover		DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	RP and 3 π WP.	
JŁ	Canopy Species White Pine	% Cover		<b>DB</b> H	l Age	Sub-Canopy Species Red Maple	<b>Density</b> Medium	Avg. Height 5 - 10 feet	Size 5 - 10 feet	RP and 3 π WP.	
J2	Canopy Species White Pine	% Cover		<b>DB</b> H	l Age	Sub-Canopy Species Red Maple Red Pine	Density  Medium  Medium	Avg. Height 5 - 10 feet < 5 feet	<b>Size</b> 5 - 10 feet < 5 feet	RP and 3 π WP.	
33	Canopy Species White Pine Red Pine	% Cover	Size Class	<b>DB</b> H	Age 80	Sub-Canopy Species Red Maple Red Pine White Pine	Medium Medium Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet	<b>Size</b> 5 - 10 feet < 5 feet < 5 feet	RP and 3 π WP.	
	Canopy Species White Pine Red Pine  622 - Low	% Cover	Size Class	<b>DBI</b> 16 11	80	Sub-Canopy Species Red Maple Red Pine White Pine Quaking Aspen	Medium Medium Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm was forwarded to completion stage by mistake.	ent
33	Canopy Species White Pine Red Pine  622 - Low	% Cover 10 90  wland Shrub Coniferous, iduous	Size Class	DBH 16 11 No	80	Sub-Canopy Species  Red Maple  Red Pine  White Pine  Quaking Aspen  5.4	Density  Medium  Medium  Medium  Medium  Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm	 ent
33	Canopy Species White Pine Red Pine  622 - Low 6128 - Lowland C	% Cover 10 90  wland Shrub Coniferous, iduous	Size Class  Mixed F	DBH 16 11 No	80 80 er Well	Sub-Canopy Species  Red Maple  Red Pine  White Pine  Quaking Aspen  5.4  10.1 77	Density Medium Medium Medium Medium Medium Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet  No	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm	 ent
33	Canopy Species White Pine Red Pine  622 - Low 6128 - Lowland Opec Canopy Species	% Cover 10 90  wland Shrub Coniferous, iduous % Cover	Size Class  Mixed F	DBH 16 11 No	80 80 er Well	Sub-Canopy Species Red Maple Red Pine White Pine Quaking Aspen  5.4  10.1 77  Sub-Canopy Species	Density  Medium  Medium  Medium  Medium  Medium  Medium  Density	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet  No  N/A  Avg. Height	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm	ent
33	Canopy Species White Pine Red Pine  622 - Low 6128 - Lowland Opec Canopy Species Yellow Birch	% Cover 10 90  wland Shrub  Coniferous, iduous % Cover 5	Size Class  Mixed F  Size Class	DBH 16 11 No	80 80 er Well	Sub-Canopy Species Red Maple Red Pine White Pine Quaking Aspen  5.4  10.1 77  Sub-Canopy Species Red Maple	Density  Medium  Medium  Medium  Medium  Medium  Medium  Medium   81-110  Density  Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet  No  N/A  Avg. Height 5 - 10 feet	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm	ent
33	Canopy Species White Pine Red Pine  622 - Low 6128 - Lowland of Dec  Canopy Species Yellow Birch Black Ash	% Cover 10 90  wland Shrub Coniferous, iduous % Cover 5 30	Mixed F Size Class Seedling	DBH	80 80 er Well	Sub-Canopy Species Red Maple Red Pine White Pine Quaking Aspen  5.4  10.1 77  Sub-Canopy Species Red Maple	Density  Medium  Medium  Medium  Medium  Medium  Medium  Medium   81-110  Density  Medium	Avg. Height 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet  No  N/A  Avg. Height 5 - 10 feet	Size 5 - 10 feet < 5 feet < 5 feet 10 - 20 feet	Treatment was terminated and stand was not harvested. Treatm	ent



Stand	d Level 4 C	over Type		Size Dens	ity	Acres	Stand Age B	A Range	Managed Si	te	General Comments
35	6112 - Lov	vland Aspe	n	Sapling W	'ell	41.7	35	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	55	Pole	4 3	35		Alder	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	10	Pole	3							_
	Balsam Fir	15	Pole	4							
	Black Spruce	10	Log	3							
No	orthern White Cedar	10	Pole	3							
36	310 - Herbac	eous Openl	land	None		2.3			No		Stand was cut as part of Southside Fragments Sale #41-032-17
37	6120 - Lov	wland Ceda	ır	Poletimber	Well	117.8	110	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	20	Seedling	8		Ва	lsam Fir	Medium	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	80	Seedling	9 1	10						
38	6112 - Lov	vland Aspe	n	Sapling W	'ell	7.4	4	1-50	N/A		Stand was cut as part of Southside Fragments Sale #41-032-17. TCR Date 7/13/2021
	Canopy Species	% Cover	Size Class	DBH A	ge						Date 1/13/2021
	Red Maple	20	Log	1							
	Balsam Poplar	30	Log	1							
	Balsam Fir	10	Log	1							
	Quaking Aspen	40	Log	1	4						
39	6130 - Fir, <i>i</i>	Aspen, Map	ole	Sapling Po	oor	65.9	30	1-50	N/A		Stand was flooded by beaver activity in past. Resulting stand is a
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Ca	nopy Species	Density	Avg. Height	Size	sparse canopy in patches over thick alderSpruce budworm was evaluated (SBW), and it was decided to not cut this stand due to lack
	Quaking Aspen	50	Log	3 3	30		Alder	High	5 - 10 feet	5 - 10 feet	of volume and wet soils.
No	orthern White Cedar	10	Sapling	7							1
	Balsam Fir	20	Log	3							
	Tamarack	20	Log	3							
40	6128 - Lowland Dec	Coniferous, iduous	Mixed	Sapling Po	oor	32.1	5	1-50	N/A		Harvested with Southside fragments sale in winter 2019
	Canopy Species	% Cover	Size Class	DBH A	ge	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Jack Pine	10	Log	1		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	40	Log	1	5			-	1		-
	Red Maple	10	Log	1							
	Bigtooth Aspen	10	Log	1							
	Black Spruce	30	Log	1	5						



Stand	Level 4 C	Level 4 Cover Type			nsity	Acres	Acres Stand Age BA Range		Managed Si	te	General Comments
41	6120 - Lov	wland Ceda	ar	Poletimb	er Well	19.2	76	81-110	N/A		Stand looks slightly different on the photo compared to the adjacent cedar stand. It has a component of aspen and birch which is dying
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	and sparse. not enough aspen/birch volume present to harvest.
	Quaking Aspen	10		12		Black	Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	10		12							
	Black Spruce	10	Seedling	8							
No	orthern White Cedar	70	Seedling	8	76						
42	42220 - Nat	ural Jack P	ine	Sapling	Poor	2.9	15	Immature	N/A		Stand was scarified in 2010 and passed the regen counts in 2013.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Jack Pine	90	Log	3	15						
	Red Pine	10		12							
43	4134 - Aspe	en, Spruce/	'Fir	Sapling	Poor	6.1	15	1-50	N/A		Cut in spring 2010, Nutkins Nightmare sale.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Maple	10	Log	2							
	Black Spruce	10	Log	2							
	Quaking Aspen	60	Log	2	15						
	Balsam Fir	10	Log	2							
	Tamarack	10	Log	2							
44	429 - Mixed l	Jpland Con	ifers	Sapling	Poor	8.7	4	1-50	N/A		Stand was cut as part of Southside Fragments Sale #41-032-17. TCR
	Canopy Species	% Cover	Size Class	DBH	l Age						Date 7/13/2021
	Red Maple	10	Log	1	4						
	Black Spruce	20	Log	1							
	Tamarack	30	Log	1	4						
	Quaking Aspen	10	Log	1							
	Jack Pine	30	Log	1							
45	4113 - R.M	laple, Conif	er	Sapling	Poor	12.4	4	1-50	N/A		Stand was cut as part of Southside Fragments Sale #41-032-17. TCR
	Canopy Species	% Cover	Size Class	DBF	I Age						Date 7/13/2021
	Red Maple	60	Log	1	4						
	Quaking Aspen	10	Log	1							
	Tamarack	25	Log	1							
	Black Spruce	5		1							
46	6120 - Lov	wland Ceda	ar	Poletimb	er Well	12.5	92	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Black Spruce	20	Seedling	6		Black	Spruce	Medium	< 5 feet	< 5 feet	
No	rthern White Cedar	80	Seedling	8	92						



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments
47	6112 - Lov	vland Aspe	n	Sapling	y Well	9.4	26	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	40	Log	3							
	White Pine	10	Log	3							
	Quaking Aspen	50	Pole	4	26						
48	429 - Mixed U	Jpland Con	ifers P	oletimber	Medium	n 3.1	50	81-110	N/A	1	
49	42290 - Natu	ıral Mixed F	Pine	Sapling	y Well	48.2	27	1-50	N/A		Stand is covered under FTP-861, stand may have been scarified but
	Canopy Species	% Cover	Size Class	DBH	Age						there is no record. Stand was counted in 2002, 680 jack pine per acre, 364 red pine per acre, 624 white pine and aspen per acre, stand
	Quaking Aspen	10	Log	3							is fully regenerated and the FTP was closed with a blanket letter.
	Black Spruce	10	Log	3							about 10 ft of red pine / white pine logs are present
	Red Pine	30	Log	3							
	White Pine	10	Log	3							
	Jack Pine	40	Log	3	27						
50 ———	6239 - Mixed E			Nor Sapling		27.8	25	Immature	No N/A		OPIC - FMD: OI Stand Year Origin was
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	10	Log	3	J .						
	Quaking Aspen	5	Log	4							
	Tamarack	10	Log	3							
	Red Pine	10		16							
	White Pine	20		18	91						
	Black Spruce	40	Log	3	25						
No	rthern White Cedar	5	Seedling	8							
52	6239 - Mixed E	mergent W	etland	Nor	ne	14.8			No		
53	6239 - Mixed E	mergent W	etland	Nor	ne	164.9			No		
	42210 - Nat	ural Red Pi	ine	Sawtimb	er Well	36.6	91	81-110	N/A		3 distinct age classes of red pine present. 1/6/2020: Stand was cut
54											as part of sale #41-031-17-01 Grindstone Creek. TCR Date
54	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	
54	Canopy Species Red Pine	% Cover	Size Class	<b>DBH</b>	91		nopy Specie nite Pine	Density  Medium	Avg. Height 10 - 20 feet	<b>Size</b> 10 - 20 feet	11/8/2019. NW portion was excluded since it was younger jack pine but not large enough to be a seperate stand.
54			Size Class			Wh					11/8/2019. NW portion was excluded since it was younger jack pine

# Report 7 - Stands



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN G
55	42290 - Natu	ıral Mixed F	Pine	Sawtimb	er Well	27.0	95	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	10	Seedling	8		Blac	k Spruce	Medium	10 - 20 feet	10 - 20 feet		
	Black Spruce	10	Seedling	8		Re	ed Pine	Medium	10 - 20 feet	10 - 20 feet		
	Red Pine	55		16	95							
	White Pine	20		18								
	Jack Pine	5	Seedling	8								
56	6239 - Mixed E	mergent W	etland	Noi	ne	8.6			No			
57	6239 - Mixed E	mergent W	etland	Noi	ne	12.1			No			
58	6121 - 7	Tamarack	P	oletimbe	Medium	17.3	88	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age							
	Tamarack	80	Sapling	5	88							
	Black Spruce	20	Sapling	5								
59	42220 - Nati	ural Jack P	ine	Sapling	y Well	22.0	36	51-80	N/A		Scarified in 1989. scattered red pine logs in the south	
	Canopy Species	% Cover	Size Class		Age							
	Red Pine	5		14								
	Black Spruce	5	Sapling	5								
	Jack Pine	80	Sapling	6	36							
	Quaking Aspen	10	Sapling	6								
60	6132 - Mixed Lowla	nd Forest v	with Cedar	Sawtimb	er Well	8.0	81	81-110	N/A			
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size		
	Red Maple	45		10	81		d Maple	Medium	10 - 20 feet	10 - 20 feet		
No	rthern White Cedar	20	Seedling	9			Alder	Medium	5 - 10 feet	5 - 10 feet		
	Hemlock	35		14								
61	42200 - Natu			Sawtimb		5.5	101	51-80	N/A	1	Cut in 2010, Nutkins Nightmare sale. Residuals were 20 white Tred pine, 14 hemlock.	pine, 4
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	Tod pino, 14 nonnook.	
	Red Pine	10		14			ed Pine	Medium	< 5 feet	< 5 feet		
	Hemlock	30		12			d Maple	Medium	5 - 10 feet	5 - 10 feet		
	White Pine	60		16	101		k Spruce	Medium	< 5 feet	< 5 feet		
						Wh	nite Pine	Medium	< 5 feet	< 5 feet		

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Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
62	4319 - Mixed	l Upland Fo	rest S	Sawtimb	er Well	11.8	95	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Red Maple	45		16	95	Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	20	Seedling	8							-
	Quaking Aspen	10		16							
	Black Spruce	10	Seedling	9							
No	rthern White Cedar	15		12							
63	6120 - Lov	wland Ceda	ar S	Sawtimb	er Well	21.6	110	111-140	N/A	<b>\</b>	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Seedling	6		Quak	ng Aspen	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	5	Seedling	8		Blac	k Spruce	Low	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	90		10	110	/	Alder	Low	5 - 10 feet	5 - 10 feet	
						Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet	
						Suga	ar Maple	Medium	5 - 10 feet	5 - 10 feet	
						Pap	er Birch	Medium	5 - 10 feet	5 - 10 feet	
64	6129 - Mixed Conife	erous Lowla	and Forest F	Poletimb	er Well	12.5	93	1-50	N/A	\ \	low volume, poor site.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Blue Spruce	100	Sapling	5	93	Blac	k Spruce	Medium	5 - 10 feet	5 - 10 feet	
65	622 - Lov	vland Shrub	)	No	ne	1.2			No		
66	4115 - Y.Birc	h, Hemlock	NH S	Sawtimb	er Well	5.1	101	81-110	N/A		Treatment was terminated and stand was not harvested. Treatment
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	was forwarded to completion stage by mistake.
	Red Maple	60		16	101	Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet	
	Yellow Birch	10		16							
No	rthern White Cedar	10	Seedling	9							
	Hemlock	20		16							
69	4191 - Mixed Upla Co	and Decidu	ous with Po	oletimbe	Mediur	n 1.1	61	51-80	N/A		
70	4191 - Mixed Upla Co	and Decidu	ous with F	Poletimb	er Well	8.7	81	81-110	N/A	<b>.</b>	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	10	Seedling	9		Ta	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	15	Seedling	8		Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	15	Seedling	7		Blac	k Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	10		12				1			
	Red Maple	40		9	81						
				0	01						

Shingleton Mgt. Unit



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
71	500 - Water			None	2.0			No		
74		lack Spruce		Poletimber We		80	81-110	N/A	A	
	Canopy Species Black Spruce	% Cover	Size Class Seedling	DBH Age           7         80						
76	622 - Lov	vland Shrub	)	None	7.2			No	)	
77	42210 - Na	tural Red Pi	ine :	Sawtimber Poo	or 3.6	91	51-80	N/A	Ą	Scarified in 1999. 212 red pine, 322 aspen, 264 paper birch, 459 white pine, 582 jack pine.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	pine, 302 jack pine.
	Red Pine	90		14 91	Pa	per Birch	Medium	10 - 20 feet	10 - 20 feet	
	White Pine	10		14	R	ed Pine	Medium	10 - 20 feet	10 - 20 feet	
					W	hite Pine	Medium	10 - 20 feet	10 - 20 feet	
					Já	ack Pine	Medium	10 - 20 feet	10 - 20 feet	
					Qual	king Aspen	Medium	10 - 20 feet	10 - 20 feet	
82	6122 - B	lack Spruce	: I	Poletimber We	ll 22.5	93	51-80	N/A	Ą	Black spruce are 2 to 4 sticks tall.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Black Spruce	85	Sapling	7 93	Bla	ck Spruce	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	5		14						
	Jack Pine	5	Seedling	8						
	Red Pine	5		14						