

## **Compartment Review Presentation**

**Shingleton Forest Management Unit** 

Compartment 41029 Entry Year 2025

Acreage: 2,934

**County Schoolcraft** 

Management Area: Seney Lake Plain

Stand Examiner: Adam Petrelius

**Legal Description:** 

T44N R16W Sections 24-26, 35 and 36

#### **Identified Planning Goals:**

The main goal in this compartment is to conduct multiple resource management for current and future generations. It lies within the Seney Manistique Swamp Management Area. Vegetative management in the Seney Manistique Swamp Management Area

will provide timber products, maintain or enhance wildlife habitat, protect areas of unique character, and provide for forest based recreational uses.

#### Soil and topography:

The topography in this compartment is mainly flat which includes upland ridges within marsh types. The marsh soils are Markey which are poorly drained and the ridges are either well drained Kalkaska or Rubicon sandy soils. Due to the terrain in this area, massive amounts of water in the form of sheet-flow move through this area during spring run-off.

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

The compartment is a solid block of state ownership with zero private land within it's boundaries. There is some private ownership along the boundary and the southwestern edge borders industry land which is currently for sale. An 80 acre private parcel was recently acquired by the state that lies within the comparment.

#### **Unique Natural Features:**

An MNFI designated natural community exists within the compartment, a dry northern forest.

#### **Archeological, Historical, and Cultural Features:**

None known.

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

Portions of the compartment were previously designated as potential old growth. These designations are being removed since those areas do not meet the definition of old growth forest.

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

This compartment contains Hickey Creek, Hay Meadow Creek, Stutts Creek, and the West Branch Hickey Creek. Hay Meadow Creek and Stutts Creek are non-designated streams less than 50-foot wide. A minimum 100-foot, plus 5 feet per 1 percent increase in slope, buffer is recommended for Hay Meadow Creek and Stutts Creek. Hickey Creek and the West Branch Hickey Creek are designated Type 1 trout streams less than 50 foot wide and have predicted mean July temperatures that range from 62.0 to 65.0 °F (cold streams). 300-foot buffers are recommended for Hickey Creek and the West Branch Hickey 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, buffer is recommended to protect these areas in accordance with Best Management Practices.

#### Wildlife Habitat Considerations:

Located in the Seney sand lake plain ecological sub-subsection, this compartment is dominated by marsh/low pine ridge complex. Early surveyors found the marshes to be vegetated with grasses, sedges, tag alder and willow. Forested lowlands were dominated by black spruce, tamarack, aspen, jack pine and willow. Upland ridges supported red and white pine, jack pine, aspen, white birch, balsam fir, and hemlock. Current forest cover throughout much of the compartment appears to be similar in size and species composition to that found in the 1850s. Wildlife habitat objectives are centered primarily upon maintaining an intact marsh/pine ridge system through the majority of the compartment. Wildlife species of special interest potentially utilizing this compartment include marsh wren, American bittern, and moose.

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

Surface sediments consist of lacustrine (lake) sand and gravel and minor peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington Formation and Utica Shale subcrop below the glacial drift. They have no current economic use. The nearest gravel pit is located four miles to the south and potential appears to be

limited. A clay pit is located 2 miles to the south. There is no commercial oil and gas production in the UP.

#### **Vehicle Access:**

Vehicular access to the majority of the compartment is non-existent with the exception of the southwest quarter of Section 35. Here is where the North Stutts Truck Trail, South Stutts Truck Trail and the Southside Roads all come together. Both of the Stutts Roads are Department roads and the Southside Road is a County Road.

#### **Survey Needs:**

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

There are no developed recreation facilities within this compartment. Lack of road access my provide some secluded hunting opportunities.

#### **Fire Protection:**

Response times to wildfire within this compartment will be above average. Compartment 29 is located half way between fire stations with a very small road network. Drainages and creeks within the marsh system make access difficult for those lightning fires that typically originate in the summer months. Human caused starts will be low due to a lack of people adjacent to, and utilizing the compartment.

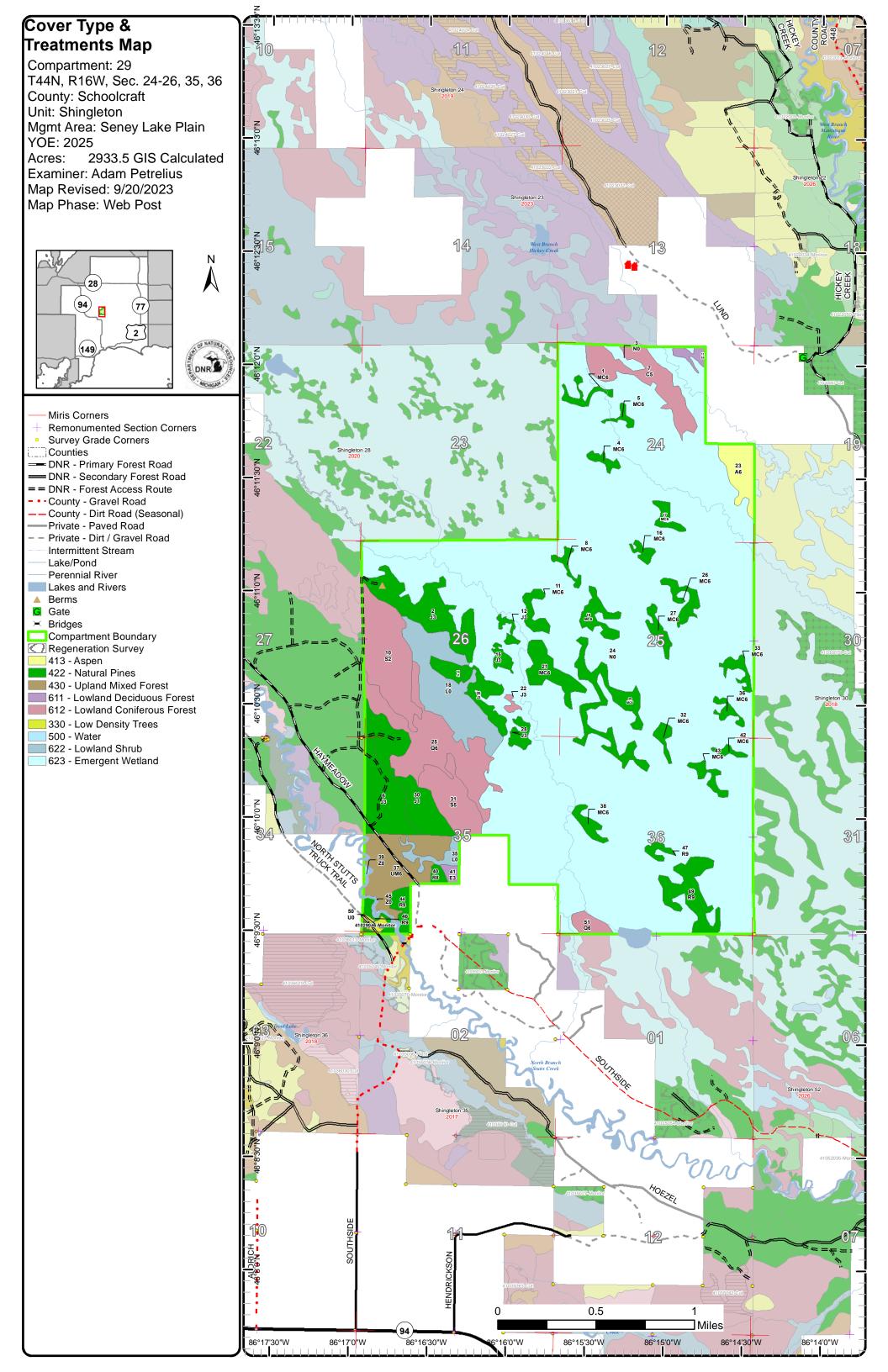
#### **Additional Compartment Information:**

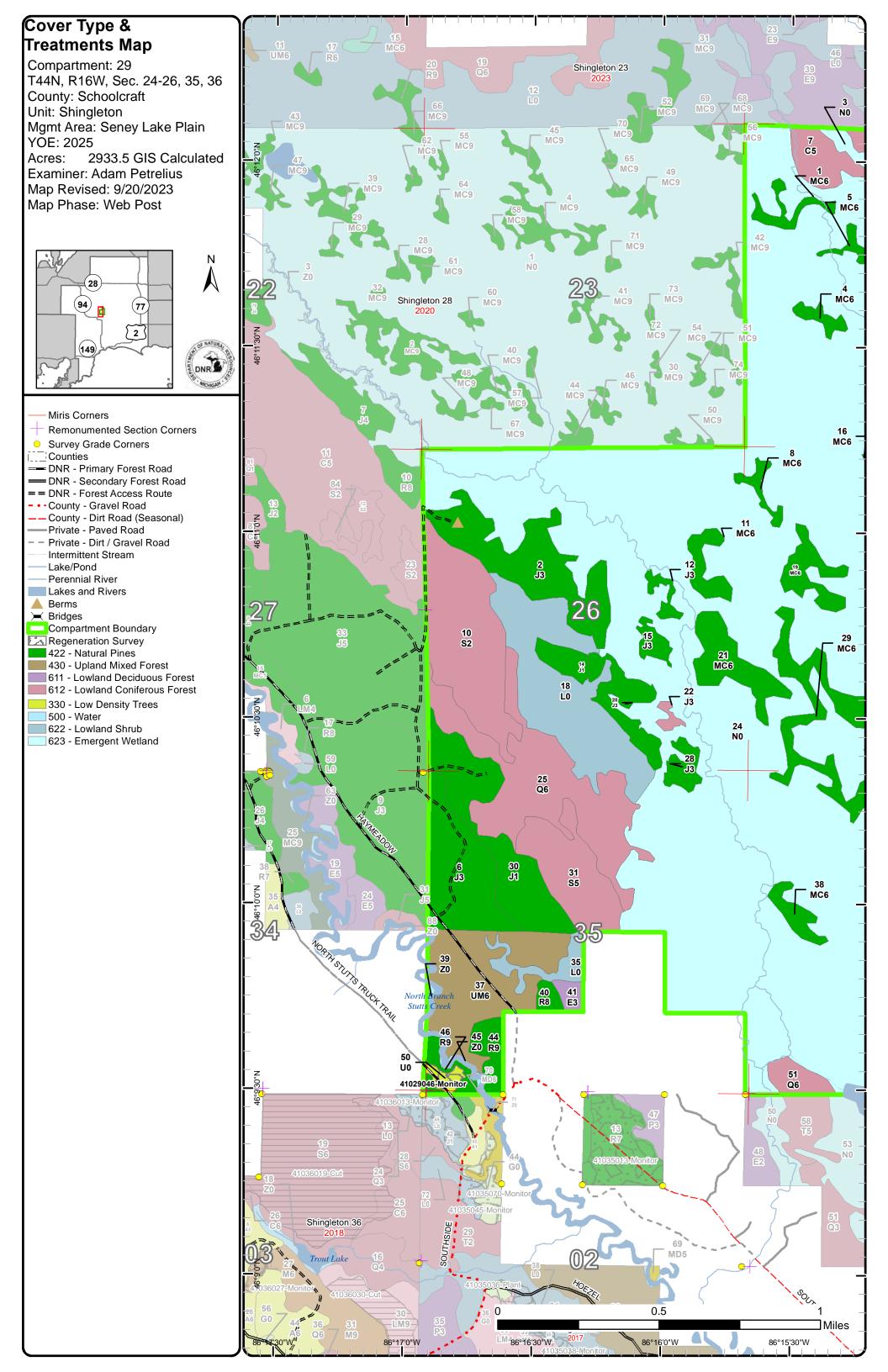
The following reports from the Inventory are attached:

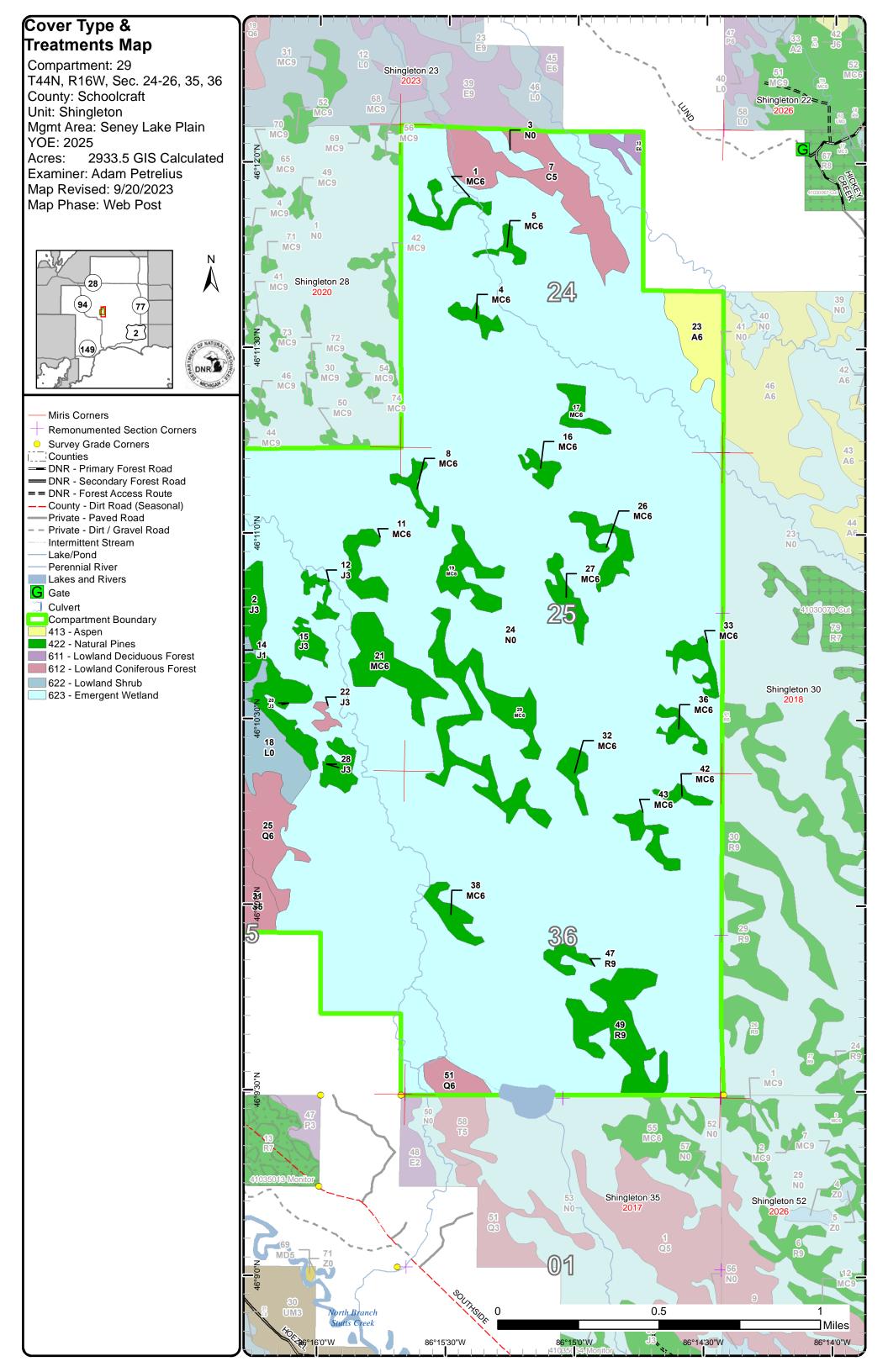
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

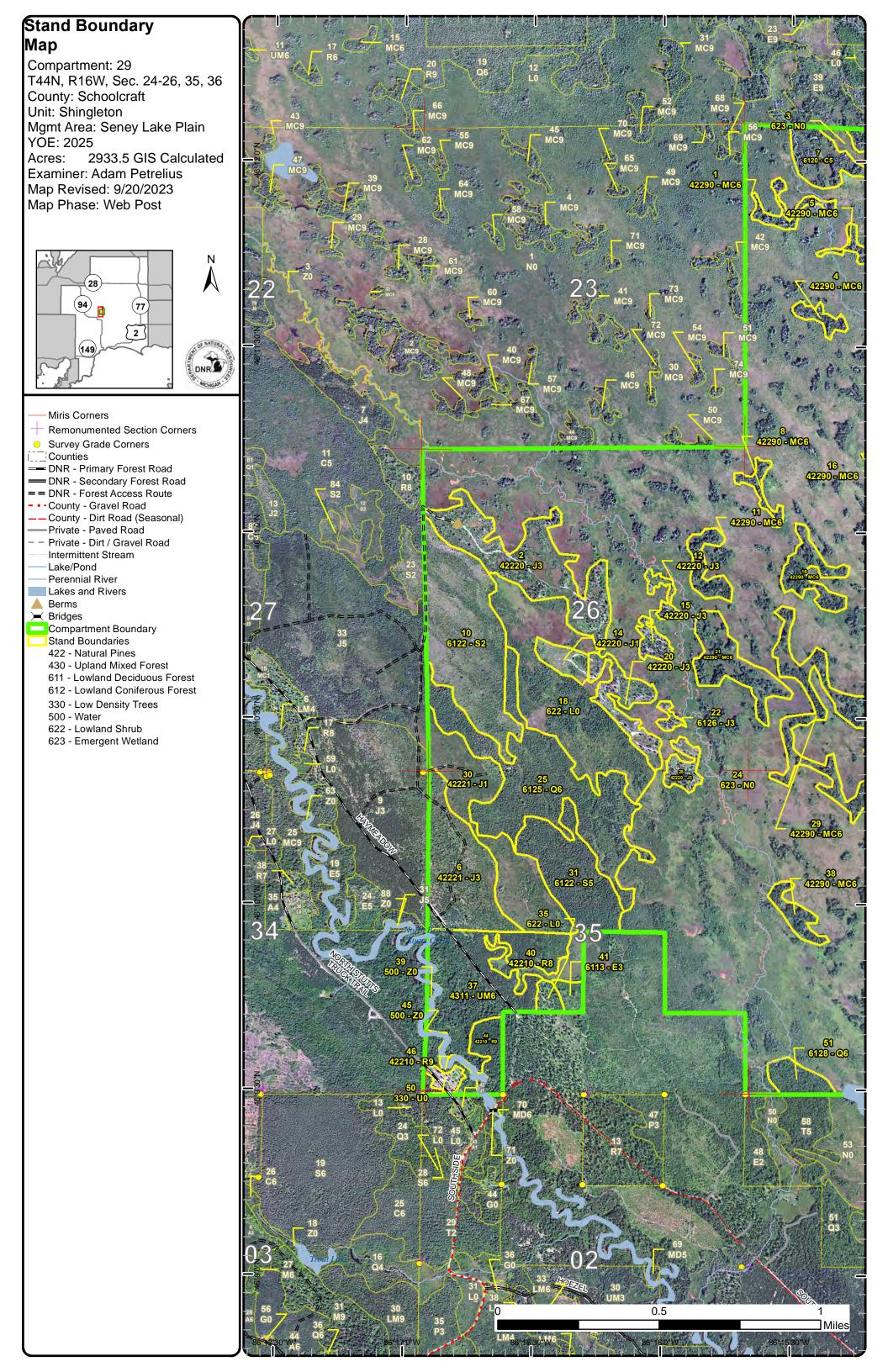
The following information is displayed, where pertinent, on the attached compartment maps:

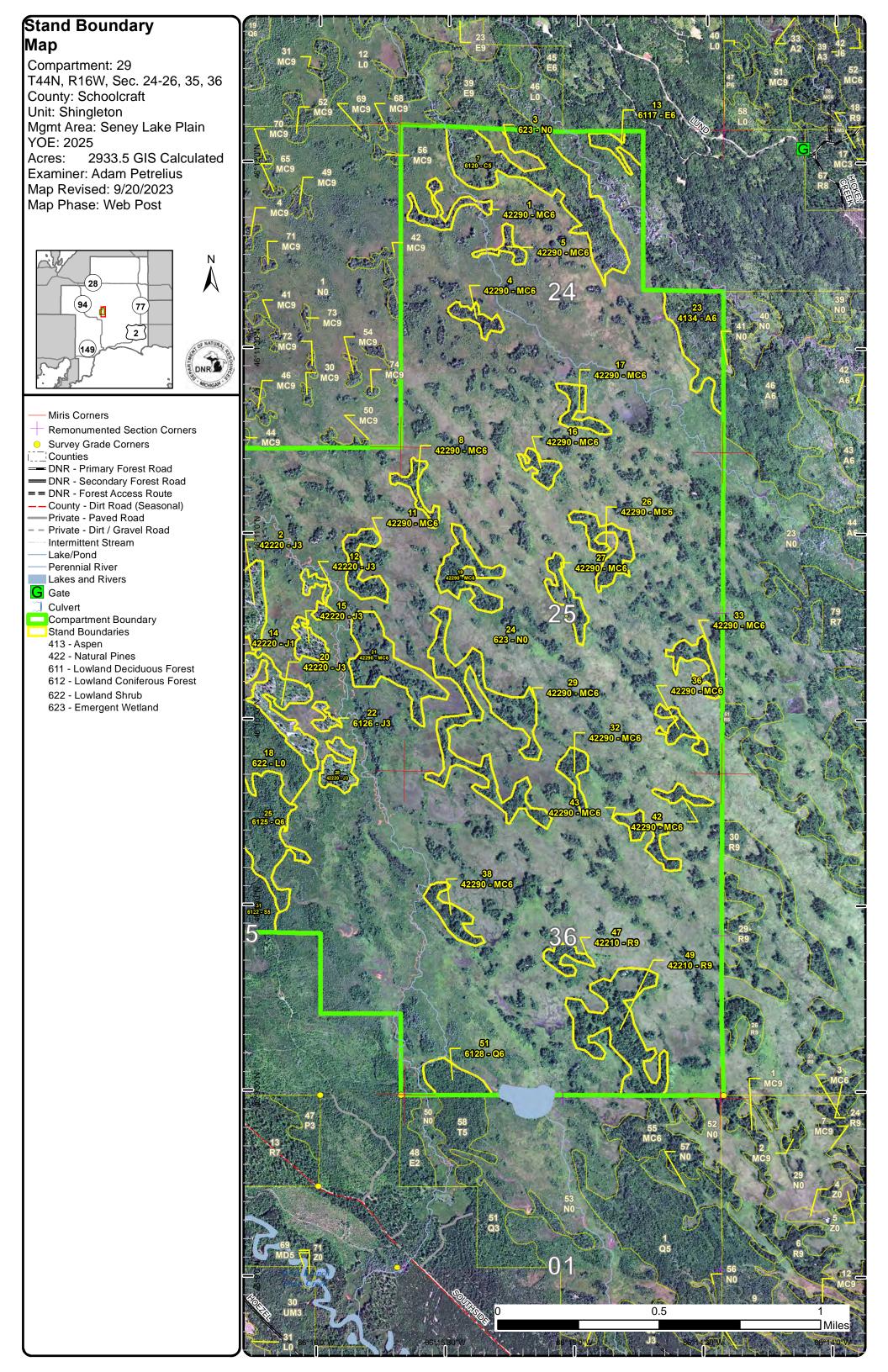
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

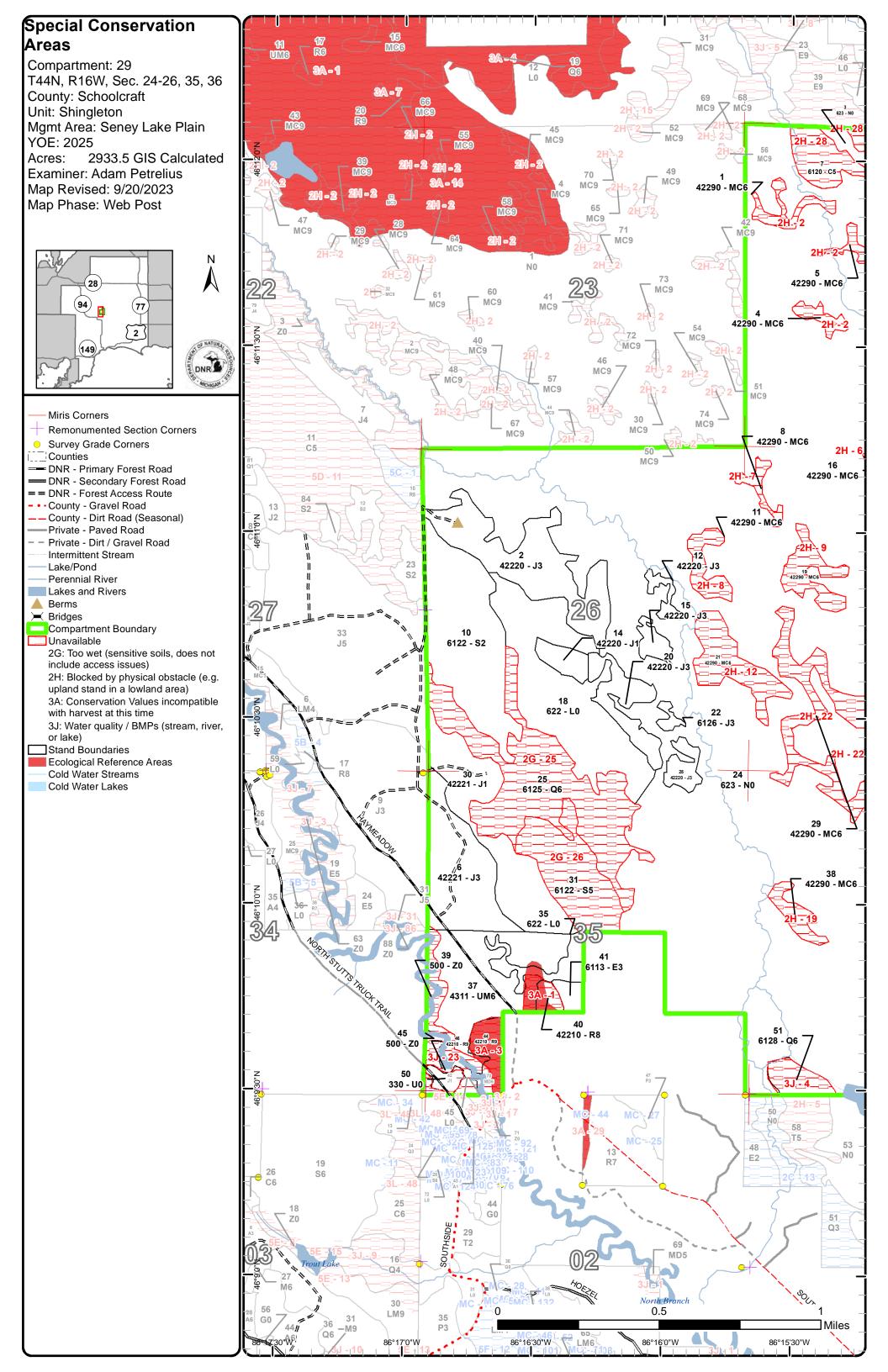


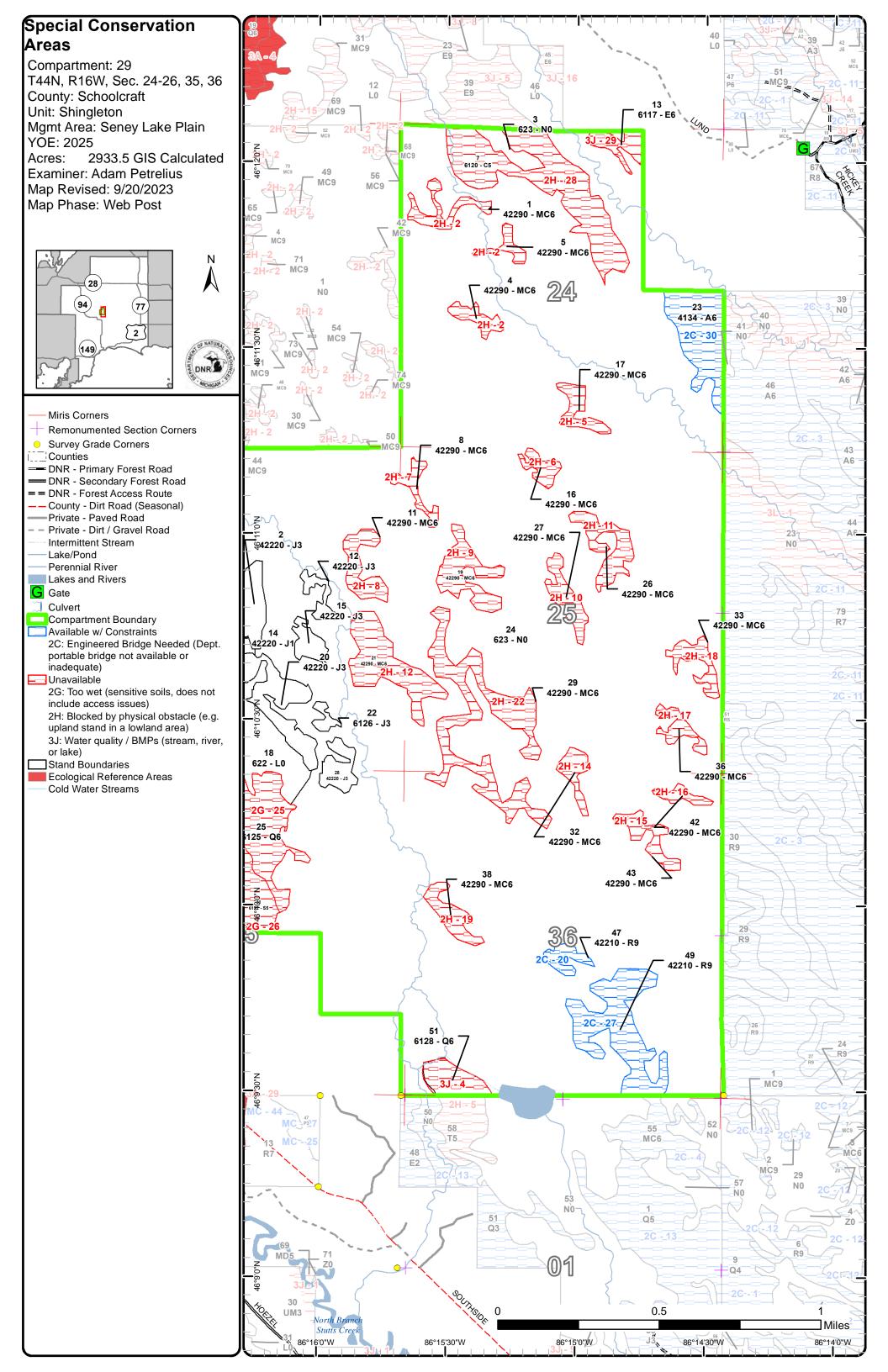












Shingleton Mgt. Unit Adam Petrelius : Examiner



#### Age Class

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Aspen	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	28
Cedar	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	52
Jack Pine	0	40	8	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	10	0	95	0	0	0	0	0	104
Lowland Deciduous	0	0	5	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Lowland Spruce/Fir	0	0	78	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	121
Marsh	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1989
Natural Mixed Pines	0	0	0	0	0	0	0	0	32	0	148	0	0	0	0	0	0	0	180
Red Pine	0	0	0	0	0	0	0	0	8	0	44	12	0	0	0	0	0	0	64
Upland Mixed Forest	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	2095	40	91	163	67	28	0	0	47	0	297	12	95	0	0	0	0	0	2934



## **Report 2 – Treatment Summary**

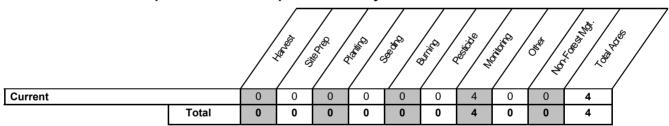
# Shingleton Mgt. Unit Year of Entry: 2025

### **Acres of Harvest**

Compartment 29
Total Compartment Acres: 2,934

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

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



Shingleton Mgt. Unit

Report 3 -- Treatments

Compartment: 29
Year of Entry: 2025

Treatment Acres Stand Size Stand BA Treatment Treatment Cover Type Age Habitat

Type

Method

Objective

Structure

Cut

**Approved Treatments:** 

Name

5041029046-4.1330 - Low-DensityNonstocked0MonitoringArtificial42110 - PlantedTwo-AgedNoMonitorTreesRegen(3yr)Red Pine

Range

Density Age

CoverType

Prescription check regeneration

Specs:

s

t a

n

d

Next Step Treatments:

Acceptable Red pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Total Treatment 4.1
Acreage Proposed:

Shingleton Mgt. Unit

Compartment: 29 Year of Entry: 2025 **Adam Petrelius: Examiner** 

Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	s
Acres	Available	With Condition	Not Available		2C	2G	2H	3A	3J
28	0	28	0	Aspen	28				
52	0	0	52	Cedar			52		
211	211	0	0	Jack Pine					0
4	4	0	0	Low-Density Trees					0
105	0	0	105	Lowland Conifers		94			10
11	5	0	7	Lowland Deciduous					7
97	96	0	0	Lowland Shrub				0	
120	78	0	43	Lowland Spruce/Fir		43			
1989	1988	0	0	Marsh			0		0
181	0	0	181	Natural Mixed Pines			181		
65	0	40	24	Red Pine	40			14	10
67	54	0	13	Upland Mixed Forest				4	10
5	0	0	5	Water					5
2,934	2,436	68	429	Total Forested Acres	68	137	232	18	42
	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.

No. C	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
	omments: NF ERA						
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	Unspecified	Unspecified	Unspecified	Unspecified
Co	omments:						

### Report 4 - Site Conditions

Shingleton Mgt. Unit

Adam Petrelius: Examiner

Compartment: 29
Year of Entry: 2025

3 Unspecified Unspecified Unspecified Unspecified Unavailable 3A: Conservation Values 11 incompatible with harvest at this time **Comments: DNF ERA** 3J: Water quality / BMPs Unspecified Unspecified Unspecified Unspecified 4 Unavailable 11 (stream, river, or lake) Comments: 5 2H: Blocked by physical 7 Unspecified Unspecified Unspecified Unspecified Unavailable obstacle (e.g. upland stand in a lowland area) Comments: 2H: Blocked by physical Unspecified Unspecified Unspecified Unspecified 6 Unavailable 5 obstacle (e.g. upland stand in a lowland area) Comments: 7 2H: Blocked by physical 5 Unspecified Unspecified Unspecified Unspecified Unavailable obstacle (e.g. upland stand in a lowland area) Comments: Unspecified Unspecified Unspecified Unspecified 8 Unavailable 2H: Blocked by physical 10 obstacle (e.g. upland stand in a lowland area) **Comments:** 

# Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	25	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

# Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

Comments:  16 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand In a lowland area)  Comments:  17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified Unspec	15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:  17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Tomments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified Unspecifie	C	Comments:						
17 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified Unspecifi	16	Unavailable	obstacle (e.g. upland	3	Unspecified	Unspecified	Unspecified	Unspecified
obstacle (e.g. upland stand in a lowland area)  Comments:  18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified	C	Comments:						
18 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  Comments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified	17	Unavailable	obstacle (e.g. upland	6	Unspecified	Unspecified	Unspecified	Unspecified
obstacle (e.g. upland stand in a lowland area)  Comments:  19 Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)  8 Unspecified Unspecified Unspecified Unspecified Unspecified Stand in a lowland area)	C	Comments:						
19 <b>Unavailable 2H: Blocked by physical</b> 8 Unspecified Unspecified Unspecified Unspecified Unspecified Stand in a lowland area)	18	Unavailable	obstacle (e.g. upland	7	Unspecified	Unspecified	Unspecified	Unspecified
obstacle (e.g. upland stand in a lowland area)	C	Comments:						
Comments:	19	Unavailable	obstacle (e.g. upland	8	Unspecified	Unspecified	Unspecified	Unspecified
	C	Comments:						

## Report 4 - Site Conditions

Compartment: 29
Year of Entry: 2025

20 Unspecified Unspecified Unspecified **Available** 2C: Engineered Bridge 5 2F: Road needed Needed (Dept. portable bridge not available or inadequate) **Comments:** Unspecified Unspecified Unspecified Unspecified 2H: Blocked by physical 22 Unavailable 41 obstacle (e.g. upland stand in a lowland area) Comments: 23 Unavailable 3J: Water quality / BMPs 25 Unspecified Unspecified Unspecified Unspecified (stream, river, or lake) Comments: 5D: Unproductive Forest Unspecified Unspecified Unspecified 25 Unavailable 2G: Too wet (sensitive 94 soils, does not include Land access issues) **Comments:** Unspecified Unspecified Unspecified 5D: Unproductive Forest 26 Unavailable 2G: Too wet (sensitive 43 Land soils, does not include access issues) Comments:

Shingleton Mgt. Unit

Adam Petrelius: Examiner

# Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

Compartment: 29 Year of Entry: 2025

27	Available 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)		36 2E: Road needed		Unspecified	Unspecified	Unspecified
С	omments:						
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	52	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
С	omments:						
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible		Unspecified
С	omments:						
30	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	28	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
С	omments:						

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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: 29
Year of Entry 2025



# Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age I	BA Range	Managed S	iite	General Comments
1	42290 - Natu	ıral Mixed F	Pine	Poletimber Well	7.3	76	81-110	N/A		
2	42220 - Nati	ural Jack P	rine	Sapling Well	58.8	23	Immature	N/A		OI comments from 2007: Stand was cut in 1998. An effort was made to
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	get regen counts on this stand, but failed due to flooded roads. Even if regen counts came back poor, there would be no option to regenerate
	Jack Pine	70	Sapling	4 23	R	Red Pine	Medium	< 5 feet	Sapling	the stand due to the amount of water surrounding it. 2013 visit showed
	Paper Birch	5	Pole	8						fully stocked and trees were growing well.
	Red Pine	5	Log	14						
	Black Spruce	20	Sapling	2						
3	623 - Emer	gent Wetla	nd	Nonstocked	6.1			No		
4	42290 - Natu	ıral Mixed F	Pine	Poletimber Well	4.9	76	81-110	N/A		
5	42290 - Natu	ıral Mixed F	Pine	Poletimber Well	3.7	76	81-110	N/A		
6	42221 - Natural Deci	Jack Pine, duous	Mixed	Sapling Well	50.1	24	1-50	N/A		Stand was cut in winter of 1998, and was never scarified because it was too wet. Regen counts in 2003 were poor and stand was planted with inmates in spring 2006. 2007 regen counts showed 457 jack pine, 7 red
	Canopy Species		Size Class							pine, 28 black spruce in the upland areas with some aspen clones mixed
	Quaking Aspen	34	Sapling/Po							in.
	Red Pine	3	Pole/Log							
	Jack Pine	60	Sapling/Po	le 4 24						
7	6120 - Lov	vland Ceda	ar F	Poletimber Medium	51.7	91	111-140	N/A		Previously factored as bridge needed. Even if a bridge was available,
'	Canopy Species		Size Class	1						stand is still not accessible. Multiple very wet cattail marsh crossings are
	White Pine	30	XLog/Log							present to get there. Alot of dead cedar is present within stand and stand has recieved alot of mortality due to flooding.
No	thern White Cedar	70	Pole	8 91						has recieved and of mortality due to hooding.
8	42290 - Natu			Poletimber Well	5.1	76	111-140	N/A		
10	6122 - Bl	ack Spruce	<b>;</b>	Sapling Medium	77.6	16	1-50	N/A		Stand was cut in 2006 to 2010, Haymeadow Islands sale. a lot of residual
	Canopy Species	% Cover	Size Class	DBH Age						spruce from harvest, nonforested pockets as well. Noticed alot of small jack pine that regenerated in the uplands. Stand appears to be fully
	Jack Pine	40	Sapling/Po							stocked. There isn't much we could do it if wasn't since it is mostly low
	Black Spruce	50	Sapling	3 16						ground spruce.
	Red Maple	10	Sapling	2						
11	42290 - Natu	ıral Mixed F	Pine	Poletimber Well	10.0	91	81-110	N/A		



Stand	d Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	Red Pine 10 S	Sapling Well  Class DBH Age Papling 1 Papling 1 Papling 1 Papling 1 Papling 1 7	4.3	7	1-50	N/A	Stand was set up and sold as Haymeadow Island Sale, 19-05. There was no market for large pine and it was turned back in. Stand was set up again and offered in 2011. It is now on contract as 2nd chance pine, 41-20-11. Residuals are 27 ft red pine, 27 ft white pine.  [10/26/15 TI] Stand was cut as part of 2nd Chance Pine Sale # 41-020-11-010. TCR Date 4/23/15.
13	6117 - Lowland Deciduous, Mixe Coniferous	d Poletimber Well	6.6	76	81-110	N/A	
14		Sapling Poor  Class DBH Age Papling 2 13 Papling 2	8.2	13	1-50	N/A	Stand was cut around 2009 while it was still in private ownership. The state purchased this 80 acre parcel in fall 2012.
15	Black Spruce 10 S	Sapling Well  Class  DBH Age  apling  1  apling  1  apling  1	5.7	7	1-50	N/A	Stand was set up and sold as Haymeadow Island Sale, 19-05. There was no marked for large pine and it was turned back in. Stand was set up again and offered in 2011. It is now on contract as 2nd chance pine, 41-20-11. Residuals are 27 ft red pine, 27 ft white pine.  [10/26/15 TI] Stand was cut as part of 2nd Chance Pine Sale # 41-020-11-010. TCR Date 4/23/15.
16	42290 - Natural Mixed Pine	Poletimber Well	4.8	76	81-110	N/A	
17	42290 - Natural Mixed Pine	Poletimber Well	6.6	76	111-140	N/A	
18	622 - Lowland Shrub	Nonstocked	84.7			No	
19	42290 - Natural Mixed Pine	Poletimber Well	14.9	91	81-110	N/A	
20	Black Spruce 10 S	Sapling Well  Class DBH Age apling 1 7 apling 1 apling 1	19.4	7	1-50	N/A	Stand was set up and sold as Haymeadow Island Sale, 19-05. There was no market for large pine and it was turned back in. Stand was set up again and offered in 2011. It is now on contract as 2nd chance pine, 41-20-11. Residuals are 5 WP, 7 RP, 1 cedar.  [11/6/2015 TI] Stand was cut as part of the 2nd Chance Pine Sale #41-020-11-01. TCR date 4/23/2015.
21	42290 - Natural Mixed Pine	Poletimber Well	24.6	91	81-110	N/A	



	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
22	6126 - Lowla Canopy Species Jack Pine		Size Class Sapling	Sapling  DBH		2.4	7	1-50	N/A		Stand was set up and sold as Haymeadow Island Sale, 19-05. There was no marked for large pine and it was turned back in. Stand was set up again and offered in 2011. It is now on contract as 2nd chance pine, 41-20-11. Residuals are 33 ft red pine, 3 ft white pine.
	Red Pine Black Spruce	10	Sapling Sapling	1							[11/6/2015 TI] Stand was cut as part of 2nd Chance Pine Sale #41-020-11-01. TCR date 4/23/2015.
23	4134 - Aspe	en, Spruce/l	Fir P	oletimb	er Well	27.6	46		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	10	Pole	6		Ва	lsam Fir	Medium	5 - 10 feet	Sapling	
	Balsam Fir	20	Pole	7							
	White Pine	10	Pole/Log	9							
	Quaking Aspen	60	Pole	8	46						
24	623 - Emer	gent Wetlar	nd	Nonsto	cked	1,982.6			No		
25	6125 - Lowland Bla					94.5		Inspecified	N/A		Was factor limited in 2005 because of site index. Trees are barely merchantable size, stand is wet, and has low volume.
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	·
No	rthern White Cedar	10	Pole/Sapling	6			Alder	Low	5 - 10 feet	Tall Shrub	
	Tamarack	30	Pole/Sapling	5		Blac	ck Spruce	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Pole/Sapling	5		Та	ımarack	Medium	5 - 10 feet	Sapling	
	Black Spruce	40	Pole/Sapling	5	110	Та	marack	Medium	5 - 10 feet	Sapling	
	<u> </u>				110	Та	ımarack	Medium	5 - 10 feet	Sapling	
26	Black Spruce	40 10	Pole/Sapling Pole/Sapling	5		11.6	nmarack 91	Medium 51-80	5 - 10 feet N/A	Sapling	
26	Black Spruce Jack Pine	40 10 aral Mixed F	Pole/Sapling Pole/Sapling	5	er Well	11.6		51-80		Sapling	
26	Black Spruce Jack Pine  42290 - Natu	40 10 aral Mixed F	Pole/Sapling Pole/Sapling Pine P	5 5 oletimber DBH	er Well  Age	11.6 Sub-Ca	91	51-80	N/A		
26	Black Spruce Jack Pine  42290 - Natu  Canopy Species White Pine Black Spruce	40 10 ral Mixed F	Pole/Sapling Pole/Sapling Pine P Size Class	5 5 oletimbe	er Well	11.6 Sub-Ca	91 nopy Species	51-80  Density	N/A Avg. Height	Size	
26	Black Spruce Jack Pine  42290 - Natu  Canopy Species White Pine	40 10 aral Mixed F % Cover 35	Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log	5 5 oletimber DBH 18 6 18	er Well  Age	11.6 Sub-Ca	91 nopy Species	51-80  Density	N/A Avg. Height	Size	
26	Black Spruce Jack Pine  42290 - Natu  Canopy Species White Pine Black Spruce	40 10 ral Mixed F % Cover 35 30 20 10	Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log Pole/Sapling	5 5 5 oletimber 18 6 18 8	er Well  Age	11.6 Sub-Ca	91 nopy Species	51-80  Density	N/A Avg. Height	Size	
26	Black Spruce Jack Pine  42290 - Natu  Canopy Species White Pine Black Spruce Red Pine	40 10 ral Mixed F % Cover 35 30 20	Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log Pole/Sapling Log/XLog	5 5 oletimber DBH 18 6 18	er Well  Age	11.6 Sub-Ca	91 nopy Species	51-80  Density	N/A Avg. Height	Size	
26	Black Spruce Jack Pine  42290 - Natu Canopy Species White Pine Black Spruce Red Pine Jack Pine	40 10 ral Mixed F % Cover 35 30 20 10 5	Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log Pole/Sapling Log/XLog Pole Pole	5 5 5 oletimber 18 6 18 8	Age 91 91	11.6 Sub-Ca	91 nopy Species	51-80  Density	N/A Avg. Height	Size	
	Black Spruce Jack Pine  42290 - Natu Canopy Species White Pine Black Spruce Red Pine Jack Pine Paper Birch	40 10 rral Mixed F % Cover 35 30 20 10 5	Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Log/XLog Pole Pole Pole Pole Pole Pole	5 5 5 oletimber 18 6 18 8 6 Oletimber Sapling	er Well  Age 91 91 er Well Well	11.6 Sub-Ca Blac	91 <b>nopy Species</b> ck Spruce	51-80  Density  Medium	N/A  Avg. Height 5 - 10 feet	Size	
27	Black Spruce Jack Pine  42290 - Natu Canopy Species White Pine Black Spruce Red Pine Jack Pine Paper Birch  42290 - Natu	40 10 ral Mixed F % Cover 35 30 20 10 5 ral Mixed F	Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log Pole/Sapling Log/XLog Pole Pole Pine P	5 5 0letimber	er Well  Age 91 91 er Well Well	11.6 Sub-Cal Blace	91 nopy Species ck Spruce	51-80  Density  Medium  81-110	N/A Avg. Height 5 - 10 feet  N/A	Size	no marked for large pine and it was turned back in. Stand was set up again and offered in 2011. It is now on contract as 2nd chance pine, 41-
27	Black Spruce Jack Pine  42290 - Natu Canopy Species White Pine Black Spruce Red Pine Jack Pine Paper Birch  42290 - Natu  42220 - Natu Canopy Species	40 10 ral Mixed F % Cover 35 30 20 10 5 ral Mixed F	Pole/Sapling Pole/Sapling Pole/Sapling Pine P Size Class XLog/Log Pole/Sapling Log/XLog Pole Pole Pole Pole Pine P	5 5 oletimb DBH 18 6 18 8 6 oletimb Sapling	er Well 91 91 Well Well	11.6 Sub-Cal Blace	91 nopy Species ck Spruce	51-80  Density  Medium  81-110	N/A Avg. Height 5 - 10 feet  N/A	Size	



Stand	Level 4 Cover Typ	е	Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
29	42290 - Natural Mixe	d Pine	Poletimber Well	40.8	91	81-110	N/A		
30	42221 - Natural Jack Pir Deciduous	e, Mixed	Sapling Poor	54.4	24	1-50	N/A		Stand was cut in winter of 1998, and was never scarified because it was too wet. Regen counts in 2003 were poor and stand was planted with
	Canopy Species % Cov	er Size Clas	s DBH Age						inmates in spring 2006. 2007 regen counts showed 457 jack pine, 7 red pine, 28 black spruce in the upland areas with some aspen clones mixed
	Jack Pine 60	Sapling	4 24						in. There is alot of non-forested areas within this stand
	Red Pine 3	Pole/Log	g 9						
	Quaking Aspen 34	Sapling	3						
31	6122 - Black Spru	се	Poletimber Mediu	m 42.7	95	51-80	N/A		Was factor limited in 2005 because of site index. Still would not
	Canopy Species % Cov	er Size Clas	s DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	recommend harvesting this stand. Low volume, small trees, alder understory, wet, and potential rutting issues due to lack of slash to
	Tamarack 30	Pole/Sapli	ing 6	Bla	ck Spruce	Low	5 - 10 feet	Sapling	operate on top of. Lower portions of adjacent stand (harvested in mid
	Black Spruce 60	Pole/Sapli	ing 6 95		Alder	Low	< 5 feet	Tall Shrub	1990's) that were previously forested have converted to non forest now
	Jack Pine 10	Pole	7			,			due to high water levels.
32	42290 - Natural Mixe	d Pine	Poletimber Well	5.8	91	81-110	N/A		
33	42290 - Natural Mixe	d Pine	Poletimber Well	7.2	91	81-110	N/A		
35	622 - Lowland Sh	ub	Nonstocked	11.9			No		
36	42290 - Natural Mixe	d Pine	Poletimber Well	5.6	91	81-110	N/A		
37	4311 - Pine, Aspen		Poletimber Well	67.0	36	51-80	N/A		OI comments from 2004: stand was cut in 1987. No cultural work was done, stand is mature and only option to keep stand in red pine is to be
		er Size Clas			anopy Species	Density	Avg. Height	Size	aggressive with a clearcut, burn, herbicides. This was opposed by WLD
	Quaking Aspen 45	Pole/Sapli	<u> </u>	F	Red Pine	Medium	5 - 10 feet	Sapling	and MNFI and cut was dropped.
	Red Pine 15	Log/Pole							
	Jack Pine 40	Pole/Sapli	ing /						
38	42290 - Natural Mixe	d Pine	Poletimber Well	8.2	91	81-110	N/A		
39	500 - Water		Nonstocked	1.6	U	nspecified	No		



Stanc	Level 4 Cover Type			Size Density		Acres	Stand Age B	SA Range	Range Managed Site		General Comments	
40	42210 - Natural Red Pine		ine Sa	Sawtimber Medium		4.3	99	1-50 Density	N/A		Stand harvested with sale 41-20-11, 2nd Chance Pine. Residuals from sale were 10 of WP and 20 of RP	
	Canopy Species % Cover Size Clas		Size Class	DBH Ag	_	Sub-Canopy Species			Avg. Height	Size		
	Red Pine	95	Log/Pole/XLog	g 16 99	9	Blac	k Spruce	Medium	10 - 20 feet	Sapling	[11/6/2015 TI] Stand was cut as part of 2nd Chance Pine Sale # 41-020-	
	White Pine	5	Log	16		Re	ed Pine	Low	5 - 10 feet	Sapling	11-01. TCR date 4/23/2015. Regeneration was checked in summer 2018 following a scarification	
						Re	d Maple	Medium	5 - 10 feet	Sapling	treatment. Very little regeneration was located of any species. Residual	
						Wh	ite Pine	High	5 - 10 feet	Sapling	basal area is high and site is recommend for harvest prior to any additional regeneration work.	
41	6113 - Lo	le	Sapling Well		4.6	14	1-50	N/A				
	Canopy Species	% Cover	Size Class	DBH Ag	ae							
	Red Maple	65	Sapling	1 1	_							
	White Pine	15	Log	15								
	Quaking Aspen	20	Sapling	1								
42	42290 - Natu	ural Mixed F	Pine F	Poletimber V	Vell	3.4	91	81-110	N/A			
43	42290 - Natu	ural Mixed F	Pine F	Poletimber V	Vell	7.4	91	81-110	N/A			
44	42210 - Natural Red Pine			Sawtimber Well		11.7	100	51-80	N/A		OI comments from 2004: stand was cut in 1987. No cultural work was	
	Canopy Species	% Cover	Size Class	DBH Ag	ge	Sub-Car	nopy Species	Density	Avg. Height	Size	done. stand is mature and only option to keep stand in red pine is to be aggressive with a clearcut, burn, herbicides. This was opposed by WLC	
	White Pine	20	Log/Pole	12		Bal	sam Fir	Low	5 - 10 feet	Sapling	and MNFI and cut was dropped.	
	Red Pine	70	Log	16 10	00	Quak	ing Aspen	Medium	>20 feet	Sapling		
	Quaking Aspen	10	Pole/Sapling	6		Re	d Maple	Medium	10 - 20 feet	Sapling		
45	500 -	- Water		Nonstocke	ed	3.2			No			
46	42210 - Nat	tural Red P	ine S	Sawtimber V	Vell	8.4	71	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH Ag	ge							
	Red Pine	80	Log	16 7	1							
	White Pine	10	Log	14								
	Black Spruce	10	Pole	8								
47	42210 - Nat	Sawtimber V	Vell	4.7	91	111-140	N/A		Stand could be accessed from the south possibly. This should be looke			
	Canopy Species	% Cover	Size Class	DBH Ag	ge	Sub-Car	nopy Species	Density	Avg. Height	Size	at when adjacent compartment is inventoried. Too much work involved building a road if the stands in adjacent compartment are not scheduled	
	White Pine	20	Log/Pole/XLog	g 16		Wh	ite Pine	Medium	5 - 10 feet	Sapling		
	Paper Birch	5	Pole	6		Blac	k Spruce	Medium	5 - 10 feet	Sapling		
	1 apoi Bilon	0	1 010	0								

Report 7 – Stands

Compartment: 29
Year of Entry: 2025

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Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments
49	42210 - Natural Red Pine			Sawtimber Well		35.7 91		141-170	N/A		stand has some very nice red pine and high volume. Only possible
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	access is from the south and that can be evaluated better when adjacent compartment is inventoried, but it is pretty wet. Too much work involved
	Paper Birch	5	Pole	7		Wh	ite Pine	Low	10 - 20 feet	Sapling	building a road if the stands in adjacent compartment are not scheduled
	White Pine	15	Log/Pole/XLog	14		Re	ed Pine	Low	5 - 10 feet	Sapling	also.
	Black Spruce	5	Pole	7		Blac	k Spruce	Medium	5 - 10 feet	Sapling	
	Jack Pine	5	Pole	8							_
	Red Pine	65	Log/Pole/XLog	16	91						
	Red Maple	5	Pole	8							
50	330 - Low-Density Trees			Nonstocked		4.3 0			4211 - Planted Red Pine		TCR 11/18/2014. Harvested in fall 2014, cranberry pine sale. Scarified by
						Sub-Car	nopy Species	Density	Avg. Height	Size	DNR staff in summer 2015. Regen check in fall 2018 showed a failure and stand was placed on list to trench.Trenched in summer 2019
						Red Pine		Full	< 5 feet	Sapling	Planted spring 2022.1st year regeneration check showed 803 red pine.
51	6128 - Lowland Dec	Coniferous, iduous	, Mixed Po	oletimb	er Well	10.4	91		N/A		