Compartment Review Presentation

Shingleton Forest Management Unit

Compartment **41116**
Entry Year **2027**
Acreage: **1,376**
County: **Schoolcraft**
Management Area: **Seney Lake Plain**

Stand Examiner: Sheila Clark

Legal Description:

T45N R14W Section 1; T46N R14W Sections 35 & 36

Identified Planning Goals:

Timber production and wildlife habitat management. This compartment is adjacent to the Bullock Ranch area which has traditionally been managed for wildlife species using large openings.

Soil and topography:

The topography consists of flat, low, wet ground with steep, high ridges and islands. Large marshland with Markey- Mucky Peat, Deford Muck and Carbondale-Lupton-Tawas Muck soils; islands of pine with Seney- Deford Complex and Deford-AuGres-Rubicon Deep Water Table Complex soils.

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

Seney National Wildlife Refuge borders the compartment on the south, the remainder of the compartment is surrounded by state owned land.

Unique Natural Features:

Vasey's Rush is located in marshy areas that flood during seasonal flooding.

Archeological, Historical, and Cultural Features:

None identified at this time.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains Clarks Ditch. Clarks Ditch is a non-designated stream less than 50-ft wide and has predicted mean July water temperatures that range from 60.0 to 62.0°F (cold stream). A minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended for Clarks Ditch to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies south of M-28 and 1.5 miles west of Seney. The entire compartment lies within the Seney marsh/ridge complex. Surveyor notes indicate that marsh dominated the pre-settlement landscape of this compartment. Areas that were forested at that time consisted primarily of tamarack with smaller amounts of white and red pine mixed in. While the marsh remains largely intact, the current forest areas are now dominated by red pine and jack pine. Featured species in this compartment are beaver, gray jay, and sharp-tailed grouse. Wildlife habitat objectives in this compartment include maintaining the integrity of the wetland complex while providing a diversity of forest conditions on the forested ridges.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica Shale subcrops below the glacial drift. The Utica does not have a current economic use. Gravel pits at not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

Most of this compartment is inaccessible by vehicles.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no DNR recreational facilities within the compartment, but the area is used for bear and deer hunting.

Fire Protection:

Fires are generally caused by lightning strikes. Organic soils sometimes cause difficulty in fire suppression. Lack of roads makes access to fires difficult.

Additional Compartment Information:

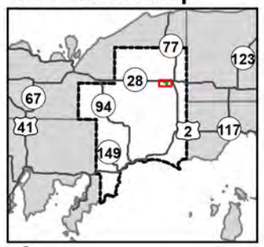
The following reports from the Inventory are attached:

- **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**

Cover Type & Treatments Map

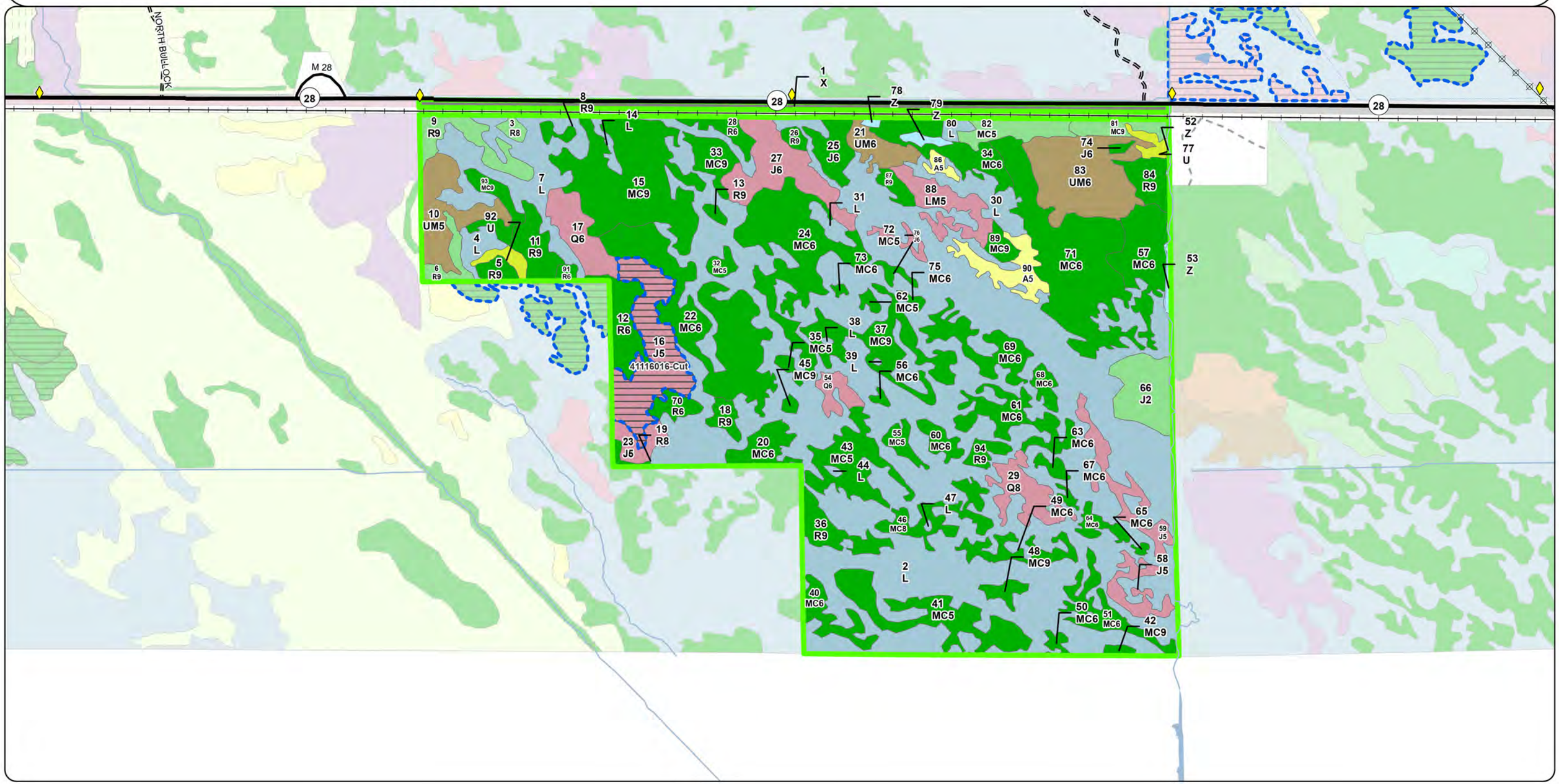


Compartment: 41116
T45N, R14W, Sec: 1
T46N, R14W, Sec: 25, 26
County: Schoolcraft
Unit: Shingleton
Mgmt. Area: Seney Lake Plain
YOE: 2027
Acres: 1,376 GIS Calculated
Examiner: Sheila Clark
Date Exported: 07/30/2025
Map Phase: Web Post

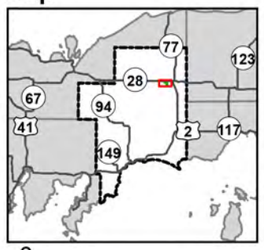
N

0 0.5 1 Miles

- Survey Grade Corners
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Perennial River
- Powerline
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Treatments with Site Conditions
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 330 - Low Density Trees
- 622 - Lowland Shrub



Stand Boundary Map



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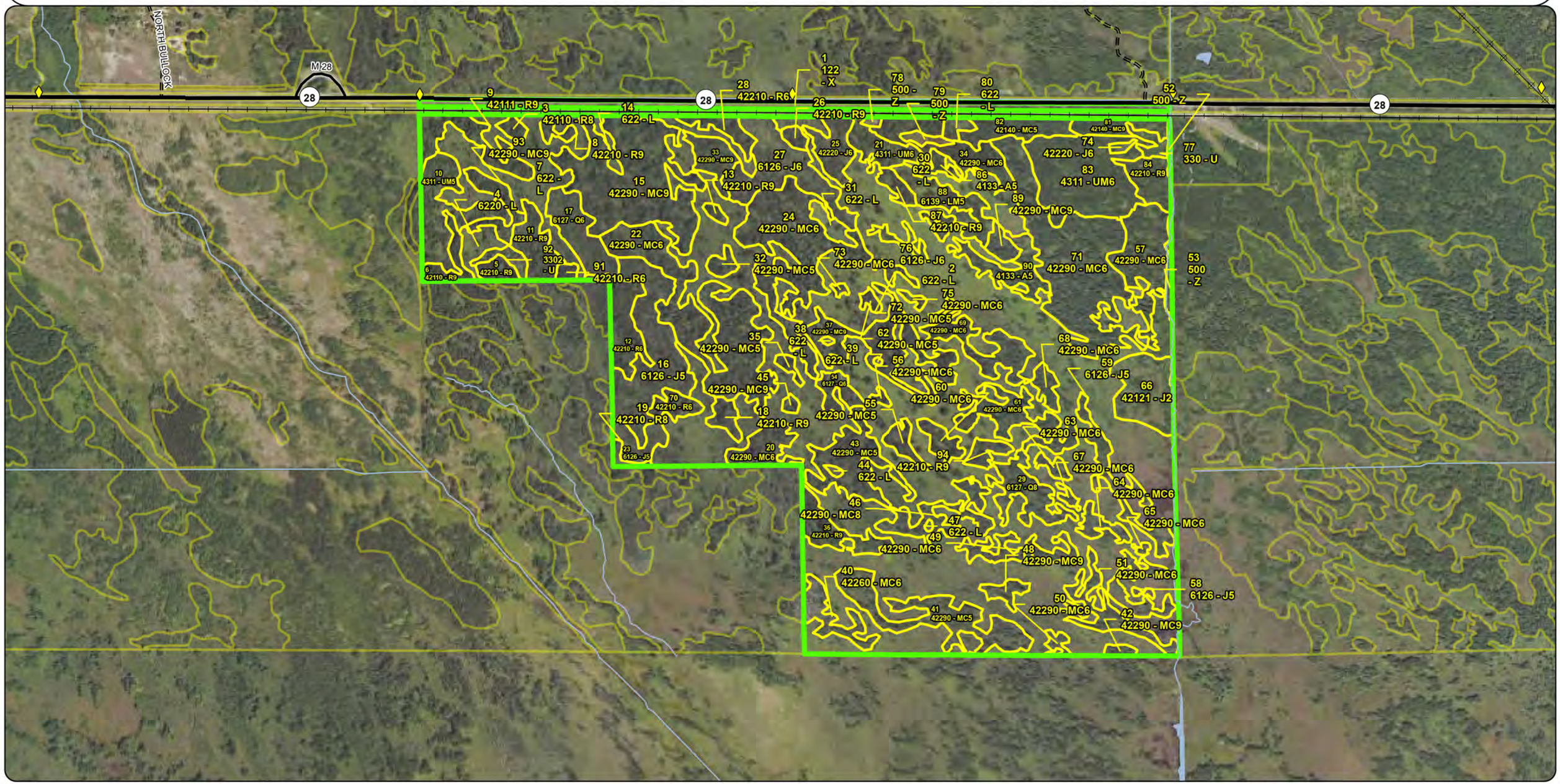
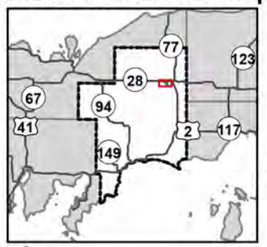


Special Conservation Areas & Site Conditions Map



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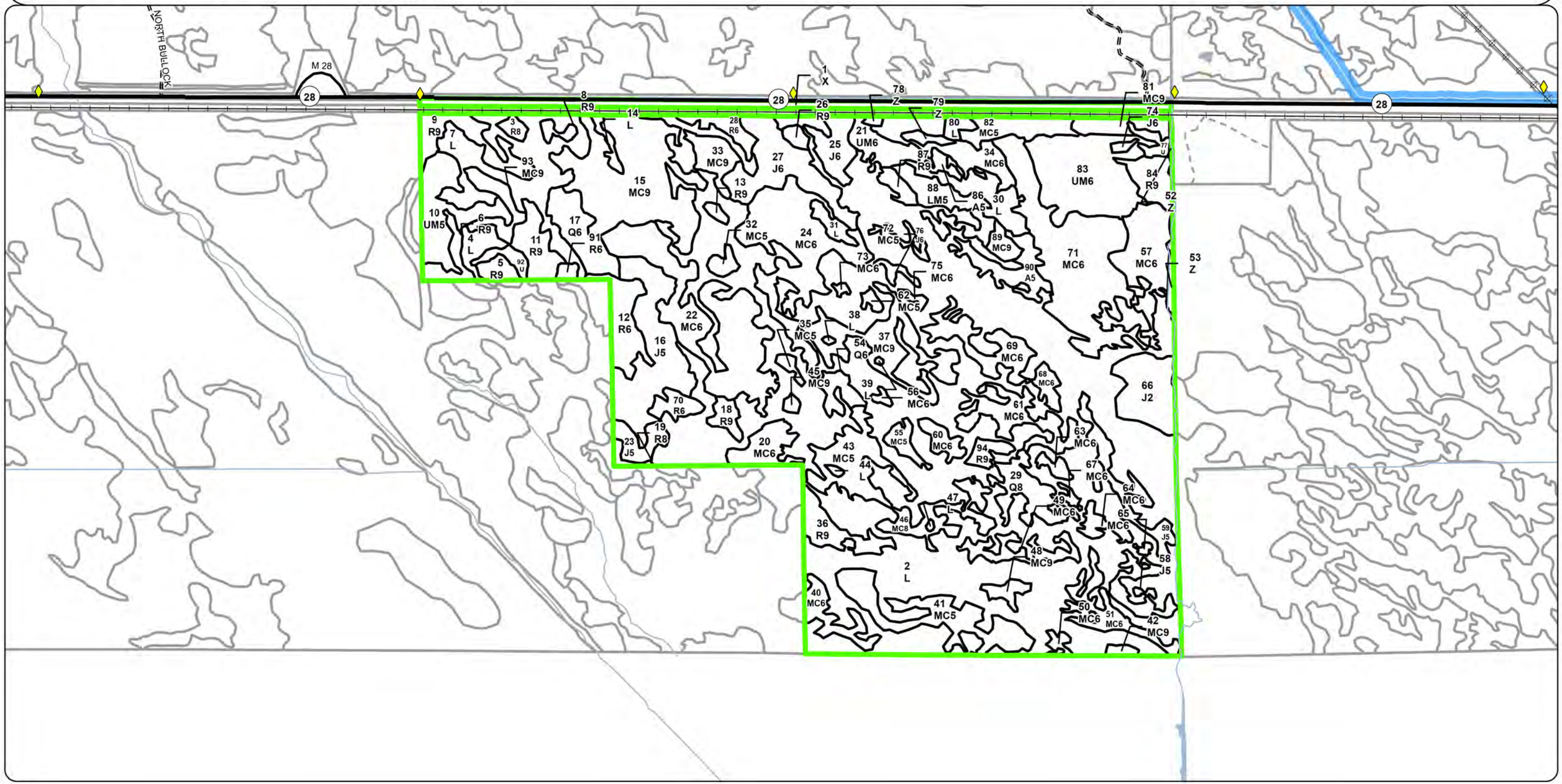
Perennial River
Powerline
Lakes and Rivers
Counties
Compartment Boundary
Stand Boundaries
Cold Water Streams
High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit **Compartment 116** **Year of Entry 2027**

Sheila Clark: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	**13**
Jack Pine	0	0	0	18	6	0	33	44	12	0	0	0	0	0	0	0	0	0	**113**
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**6**
Lowland Conifers	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	**31**
Lowland Mixed Forest	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	**14**
Lowland Shrub	563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**563**
Natural Mixed Pines	0	0	0	0	0	0	0	75	354	0	0	0	0	0	0	0	0	0	**429**
Planted Mixed Pines	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	**17**
Red Pine	0	0	0	0	0	0	0	10	84	0	0	0	0	0	0	0	0	0	**94**
Upland Mixed Forest	0	0	0	29	36	0	0	0	0	0	0	0	0	0	0	0	0	0	**64**
Urban	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**27**
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**6**
Total	**602**	**0**	**0**	**47**	**42**	**0**	**33**	**156**	**498**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1377**

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Compartment 116
Total Compartment Acres: 1,376

Acres of Harvest

Commercial Harvest -
Harvests with Site Condition - 363
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	33	0	0	0	0	0	0	0	0	**33**
Total	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**33**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	33	0	0	0	0	0	0	0	0	**33**
Next Step	0	66	132	33	0	0	99	0	0	**329**
Total	**33**	**66**	**132**	**33**	**0**	**0**	**99**	**0**	**0**	**362**

Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
16	41116016-Cut	32.9	6126 - Lowland Jack Pine	5	63	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No

Prescription Specs: Harvest all merchantable trees, leaving retention on the edge of stand.

Next Step Treatments: SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Trenched Plant; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; Planting, Trenched Supplemental Plant; Plan

Acceptable Regen: Current species

Other Comment:

Site Condition: Road Needed

Proposed Start Date: 10/01/2026

Total Treatment Acreage Proposed: 32.9

Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark: Examiner

Compartment: 116

Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions *2E*	2J
13	0	*0*	13	**Aspen**		13
112	0	*33*	80	**Jack Pine**	*33*	80
6	0	*0*	6	**Low-Density Trees**		6
31	0	*0*	31	**Lowland Conifers**		31
14	0	*0*	14	**Lowland Mixed Forest**		14
563	0	*0*	563	**Lowland Shrub**		563
428	0	*0*	429	**Natural Mixed Pines**		429
17	0	*0*	17	**Planted Mixed Pines**		17
93	0	*0*	93	**Red Pine**		93
64	0	*0*	64	**Upland Mixed Forest**		64
27	27	*0*	0	**Urban**		
6	0	*0*	6	**Water**		6
1,376	27	*33*	1,316	Total Forested Acres	*33*	1,316
	2%	*2%*	96%	Relative Percent		

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	**Available**	**2E: Road needed**	33	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Block by Railroad						
2	**Unavailable**	**2J: Blocked by railroad**	1,316	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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

Compartment: 116
Year of Entry: 2027

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	122 - Road/Parking Lot	None	26.8			No	Southern part of M-28 and strip of land between M-28 and the railroad.
2	622 - Lowland Shrub	None	496.9			No	This is marshland surrounding red pine ridges. Alder, willow and other tall shrubs scattered throughout. Some scattered trees between islands. Soils = Markey Mucky peat and Deford Muck. If cut pine island may need crane mats to cross these areas.2025 - No change.
3	42110 - Planted Red Pine	Sawtimber Medium	2.1	77	111-140	N/A	Stand was cut in 1997. The understory is dominated by aspen, there is also an underplanting of red pine in 1998.2025 - Stand is healthy. The red pine in the understory is suppressed, doubt that thinning will release them. Due to the large amount of aspen in the compartment, a quality red pine plantation will be difficult to maintain due to limited access.
4	6220 - Alder/Willow	None	5.6			No	Mostly low ground with tag alder. Scattered white pine on higher areas with aspen along the edges.
5	42210 - Natural Red Pine	Sawtimber Well	3.6	76	111-140	N/A	Stand was marked in the past, but never cut. 2025 - Stand is healthy, aspen is starting to encroach. There is an overgrown road into the stand, but will still need road work to get to it through low ground.
6	42110 - Planted Red Pine	Sawtimber Well	5.5	75	171-200	N/A	Stand was marked, but never cut. Lots of suppressed red pine poles that will not recover.2025 - Not much change. Stand was underplanted, these are suppressed and will not recover if released. It will be difficult to maintain a plantation in this area due to the amount of aspen in the area.
7	622 - Lowland Shrub	None	38.6			No	

Stand 1 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Jack Pine	Low	10 - 20 feet	10 - 20 feet

Stand 2 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet
Red Pine	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
Jack Pine	Low	10 - 20 feet	10 - 20 feet

Stand 3 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	6	27
Red Pine	80		12	77
White Pine	10		12	

Stand 3 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Red Pine	Medium	>20 feet	>20 feet
Black Cherry	Medium	5 - 10 feet	5 - 10 feet

Stand 4 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet

Stand 5 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60		12	76
Quaking Aspen	20	Sapling	6	
White Pine	20		12	

Stand 6 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60		14	75
White Pine	40		14	

Stand 6 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	High	10 - 20 feet	10 - 20 feet

Stand 7 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	42210 - Natural Red Pine	Sawtimber Well	2.0	75	81-110	N/A	This stand is visible from M-28. It was thinned last entry. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015 - Stands look healthy.2025 - Stand is still healthy. Stand was underplanted 27 years ago by inmates. These trees are suppressed and will likely not respond to thinning. It will be difficult to manage as a red pine plantation due to access issues and aspen encroachment.
9	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	12.3	75	111-140	N/A	Stand was cut in 1997, opening stand for aspen. Stand could be cut if needed.2025 - Stand is still healthy, but they are short. Could thin the stand, but if thin, the stand convert to hardwood. If want to maintain red pine, need to clear cut and plant, but it will always be a mixed stand.
10	4311 - Pine, Aspen Mix	Poletimber Medium	19.6	28	81-110	N/A	Stand was cut in 1997.2025 - Stand is healthy. Not enough volume to harvest. Low ground with tag alder. Trees short.
11	42210 - Natural Red Pine	Sawtimber Well	10.0	65	171-200	N/A	2005 - Previously thinned. Higher ground has blueberry & nice red pine; lower ground has taller shrubs & some red pine looks stressed. Thin with s.21 c119. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015 - While this stand was thinned, it is heavily stocked.2025 - Stand is healthy, but the trees are short and on lower ground. It will be difficult to maintain this stand as a red pine stand. Species composition and stocking is quite variable.
12	42210 - Natural Red Pine	Poletimber Well	12.6	74	141-170	N/A	2005-Thin with stand 21, c.119. Blueberry on higher ground; mountain holly, wild raisin and other taller shrubs on lower ground. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015-A couple of acres to the north was marked to be harvested with stand 21 in compartment 119. TS# 41-004-08-01. However, was never cut.2025= Stand is healthy. If clear cut will become hardwoods.
13	42210 - Natural Red Pine	Sawtimber Well	1.3	75	141-170	N/A	2025- This is a pine island surrounded by low ground. Stand is healthy, but overstocked. Ready for harvest.

8

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Sapling	6	27
Red Pine	70		12	75
White Pine	10		14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Medium	>20 feet	>20 feet
Aspen (spp.)	Medium	>20 feet	>20 feet

9

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60		14	75
Quaking Aspen	20	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Medium	>20 feet	>20 feet
Red Maple	Medium	5 - 10 feet	5 - 10 feet

10

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log	2	
Red Pine	15		12	60
Quaking Aspen	35	Log	2	28
White Pine	30		12	
Black Cherry	10	Log	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Alder	Low	5 - 10 feet	5 - 10 feet

11

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Seedling	8	
Red Pine	75		12	65
Tamarack	10	Seedling	6	
White Pine	5		14	
Jack Pine	5	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

12

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60		10	74
White Pine	20		12	
Jack Pine	20	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Aspen (spp.)	Medium	10 - 20 feet	10 - 20 feet

13

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Seedling	6	
Red Pine	70		12	75
White Pine	10		12	
Jack Pine	15	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	622 - Lowland Shrub	None	2.3			No	This is a drain with tag alder and scattered white pine logs.
15	42290 - Natural Mixed Pine	Sawtimber Well	52.2	75	141-170	N/A	The north part of the stand is visible from M-28. The ridges have nice red pine; the lower ground has a mix of red pine, jack pine, white pine and black spruce. Some of the ridges have been previously thinned. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015 - There is a heavy understory with logs on the north and poles in the south. The stand has variable stocking, with a small pocket of black spruce.2025- Trees are smaller trees on lower ground. This stand is a mixture of upland and lowland, and is difficult to break out. Trees are mature and ready for harvest.
16	6126 - Lowland Jack Pine	Poletimber Medium	32.9	63	51-80	N/A	Low ground, seanonally wet. Mountain Holly, wild raisin and other med to tall shrubs. Soil=Carbondale-Lupton-Tawas Mucks.2015 - This is lower ground jack pine and is brushy. 2025 - Stand is mature and ready to cut.
17	6127 - Lowland Pine	Poletimber Well	13.6	75	81-110	N/A	The stand has variable stocking with scattered white pine logs.2025 - Stand could be harvested. Trees are short and variable stocking. Jack pine is mature and starting to die.
18	42210 - Natural Red Pine	Sawtimber Well	3.8	75	141-170	N/A	2025 - Stand is healthy. Stand can be thinned, but trees are not overmature, would be good to improve spacing.
19	42210 - Natural Red Pine	Sawtimber Medium	1.6	70	111-140	N/A	20205 - Stand is actually two islands of red pine with low ground in the middle. Stand is healthy, but could be thinned to improve spacing.

Stand 14 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet

Stand 15 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	55		10	75
White Pine	40		12	
Black Spruce	5	Seedling	6	

Stand 15 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Red Pine	Medium	5 - 10 feet	5 - 10 feet

Stand 16 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	30		8	
White Pine	10	Seedling	8	
Jack Pine	60	Sapling	6	63

Stand 16 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet

Stand 17 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50	Seedling	8	75
White Pine	10		10	
Jack Pine	40	Sapling	6	

Stand 17 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet

Stand 18 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Seedling	8	
Red Pine	85		12	75
White Pine	5		10	
Jack Pine	5	Seedling	6	

Stand 19 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	6	
Red Pine	60		10	70
White Pine	15		14	
Jack Pine	15	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	42290 - Natural Mixed Pine	Poletimber Well	8.9	70	141-170	N/A	Surrounded by marsh; difficult access, though pine ridges were previously thinned. Higher ground with red pine and blueberry; lower ground with aspen, jack pine, white pine and b.spruce and taller shrubs. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2025 - Stand is healthy. If possible to reach, stand should be thinned.
21	4311 - Pine, Aspen Mix	Poletimber Well	8.5	26	51-80	N/A	Stand was thinning in 1999. Ridges of red pine with aspen growing underneath. Aspen regeneration heavier in lower ground. Soil = Deford-AuGres-Rubicon Deep Water table Complex and Seney-Deford Complex.2025 - Stand is not ready to be thinned. There is a lot of aspen regeneration, 4 inches in diameter. Will make it difficult to operate. Open areas are low ground.
22	42290 - Natural Mixed Pine	Poletimber Well	48.1	75	111-140	N/A	2025 - This stand has variable stocking and species. Red pine is on the ridges and jack pine on the lower ground. This stand could be harvested.
23	6126 - Lowland Jack Pine	Poletimber Medium	6.4	35	51-80	N/A	Soil is Deford Muck. Stand is low ground and no activity is needed.2025 - This is a younger stand and is still too young to do any management.
24	42290 - Natural Mixed Pine	Poletimber Well	40.4	75	141-170	N/A	This stand is surrounded by marsh. On the higher ground is red and white pine. In the lower ground jack pine, tamarack and black spruce.2025. Stand is variable. Should be harvested. Trees are short. Jack pine's Still healthy.
25	42220 - Natural Jack Pine	Poletimber Well	9.1	57	111-140	N/A	2025 - Stand is mature, not dying , healthy. This could be held for 10 more years, if need to break up harvests.

20

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	8	
Red Pine	50		12	70
White Pine	15		12	
Jack Pine	25	Seedling	8	

21

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Seedling	8	26
Red Pine	40		14	75
White Pine	10		14	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Full	10 - 20 feet	10 - 20 feet

22

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Seedling	6	
Quaking Aspen	5	Seedling	6	
Red Pine	30		10	
Tamarack	5	Seedling	8	
White Pine	10		10	
Jack Pine	40	Seedling	8	75

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet

23

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Sapling	6	
White Pine	5	Seedling	8	
Jack Pine	90	Sapling	6	35

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

24

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Sapling	6	
Red Pine	25		12	
Tamarack	5	Seedling	8	
White Pine	15		16	
Jack Pine	50	Seedling	8	75

25

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5		10	
Jack Pine	90	Seedling	8	57
Quaking Aspen	5	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	42210 - Natural Red Pine	Sawtimber Well	2.0	75	171-200	N/A	Ridge with red pine; visible from M-28. Soil is Carbondale-Lupton-Tawas Mucks.2025 - Stand is healthy and can be harvested or left. If thinned more aspen will come in the understory.
27	6126 - Lowland Jack Pine	Poletimber Well	23.5	57	51-80	N/A	2025 - Trees are small. Jack pine is starting to die. Stand can be harvested.
28	42210 - Natural Red Pine	Poletimber Well	5.3	70	171-200	N/A	2025 - Stand is healthy. Ready to cut.
29	6127 - Lowland Pine	Sawtimber Medium	12.3	70	111-140	N/A	Narrow, flat ridge in large marsh; difficult access. Lower ground has more jack pine, red pine and aspen and taller shrubs. If it becomes possible to harvest here, remove all trees. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2025 - As with previous inventories, the stand is ready to be harvested, however, access will be challenging.
30	622 - Lowland Shrub	None	12.7			No	Lowland shrub with scattered trees.
31	622 - Lowland Shrub	None	3.5			No	
32	42290 - Natural Mixed Pine	Poletimber Medium	2.6	75	81-110	N/A	Pine island surrounded by marsh. Soil is Deford-AuGres-Rubicon Deep Water Table Complex.2025 - As with other stands, this area can be harvested if accessible.

26

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	5	Seedling	8	
Red Pine	95		14	75

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Medium	5 - 10 feet	5 - 10 feet

27

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Seedling	6	
Jack Pine	70	Seedling	6	57
Red Pine	20	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	< 5 feet	< 5 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

28

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	70		12	70
Tamarack	5	Seedling	6	
Black Spruce	5	Sapling	6	
White Pine	15		12	
Jack Pine	5	Sapling	6	

29

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	8	
Red Pine	50		14	70
Jack Pine	40	Seedling	8	70

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Low	5 - 10 feet	5 - 10 feet

30

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	>20 feet	>20 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	>20 feet	>20 feet

32

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	6	
Red Pine	55		10	75
White Pine	20		12	
Jack Pine	15	Seedling	6	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	42290 - Natural Mixed Pine	Sawtimber Well	7.6	75	141-170	N/A	The north part of the stand is visible from M-28. The ridges have nice red pine; the lower ground has a mix of red pine, jack pine, white pine and b.spruce. Some of the ridges have been previously thinned. 98=jack pine & b.spruce Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015 - There is a heavy understory with logs on the north and poles in the south. The stand has variable stocking, with a small pocket of black spruce.2025. Stand is ready for harvest. Jack pine is healthy, but mature.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	5	Seedling	8	
Black Spruce	10	Seedling	6	
Red Pine	20		14	
White Pine	10		12	
Jack Pine	55	Seedling	8	75

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	42290 - Natural Mixed Pine	Poletimber Well	15.3	75	81-110	N/A	2025 -The stand was harvested in 1997. Red pine is on the ridges, the other species are more abundant on the low ground. The understory is fully stocked and will be difficult to spray due to low ground in the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	8	
Black Spruce	5	Sapling	6	
Red Pine	50		12	75
White Pine	5		14	
Jack Pine	30	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	42290 - Natural Mixed Pine	Poletimber Medium	1.6	75	81-110	N/A	2025 - Pine ridge surrounded by marsh.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	6	
White Pine	10		12	
Jack Pine	30	Seedling	6	
Red Pine	50		10	75

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	42210 - Natural Red Pine	Sawtimber Well	9.8	75	141-170	N/A	2025 - Looks healthy. Jack pine is mature and starting to die.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	70		12	75
White Pine	5		10	
Jack Pine	10	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	42290 - Natural Mixed Pine	Sawtimber Well	23.3	70	141-170	N/A	Red pine log ridge surrounded by marsh. Soil = Deford-AuGres-Rubicon Deep Water Table Complex. PArV2025 -Jack pine is mature and starting to die. Stocking is variable and there is low ground throughout.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		10	70
White Pine	10		14	
Jack Pine	20	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	622 - Lowland Shrub	None	0.3			No	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	622 - Lowland Shrub	None	0.2			No	
40	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	8.3	70	141-170	N/A	Pine ridge surrounded by swamp. Soil = Deford-AuGres-Rubicon-Deep Water Table Complex PArV2025 - Looking at photos it looks like stand is dying due to high water levels. Very difficult to access.
41	42290 - Natural Mixed Pine	Poletimber Medium	23.9	70	81-110	N/A	2025 - Pine ridges surrounded by marsh. Jack pine and aspen are starting to recruit to pole size class.
42	42290 - Natural Mixed Pine	Sawtimber Well	1.4	70	141-170	N/A	Pine ridge surrounded by marsh. Soil = Deford-AuGres-Rubicon-Deep Water Table Complex PArV.
43	42290 - Natural Mixed Pine	Poletimber Medium	18.6	70	111-140	N/A	2025 - Pine ridge surrounded by marsh. Jack pine and aspen are younger. Red pine looks good. Soil is Deford-AuGres-Rubicon-Deep Water Table Complex PArV.
44	622 - Lowland Shrub	None	0.6			No	

Stand 39 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand 40 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	35	Seedling	8	
Red Pine	40		10	70
Jack Pine	20	Seedling	6	
Black Spruce	5	Seedling	6	

Stand 40 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet

Stand 41 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Seedling	8	
Red Pine	45		10	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Stand 41 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet

Stand 42 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		10	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Stand 42 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand 43 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		14	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Stand 43 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand 44 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	42290 - Natural Mixed Pine	Sawtimber Well	1.1	70	141-170	N/A	Small pine island surrounded by marsh. Soil is Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025 - Stand is healthy, however due to size and location, harvest will be difficult.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Seedling	8	
Red Pine	40		12	70
Quaking Aspen	10	Seedling	8	
White Pine	30		14	
Jack Pine	10	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	42290 - Natural Mixed Pine	Sawtimber Medium	12.0	70	111-140	N/A	Small pine island surrounded by marsh. Soil =Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025 - Stand is healthy.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	45		14	70
White Pine	10		14	
Jack Pine	25	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Managed Site
47	622 - Lowland Shrub	None	0.3	No

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
48	42290 - Natural Mixed Pine	Sawtimber Well	3.2	70	141-170	N/A	Small pine island surrounded by marsh. Soil =Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025 - Stand is healthy, jack pine is mature and should be harvested if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	40		10	70
White Pine	15		14	
Jack Pine	25	Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	42290 - Natural Mixed Pine	Poletimber Well	8.1	70	141-170	N/A	Small pine island surrounded by marsh. Soil =Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025 - Stand is healthy, jack pine is mature and should be cut if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	45		10	70
White Pine	15		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Blueberry/Bilberry/Cranberry	Medium	< 5 feet	< 5 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	42290 - Natural Mixed Pine	Poletimber Well	1.8	70	141-170	N/A	Small pine island surrounded by marsh. Soil =Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025 - Stand is healthy, jack pine is mature and should be harvested if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	35		10	
Quaking Aspen	15	Seedling	8	
Jack Pine	50	Seedling	8	70

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
51	42290 - Natural Mixed Pine	Poletimber Well	11.0	70	141-170	N/A	Small pine island surrounded by marsh. Soil =Deford Muck. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and tag alder.2025- Stand is healthy, jack pine is mature and should be harvested if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	45		10	70
White Pine	15		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	500 - Water	None	0.6			No	Part of Clark's Ditch.
53	500 - Water	None	2.7			No	Part of Clark's Ditch and a small sliver of land on the east side of the ditch.
54	6127 - Lowland Pine	Poletimber Well	5.3	70	141-170	N/A	2025 - Lower than surrounding pine ridges, predominately jack pine. Jack pine is mature and will start to decline.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	20	Seedling	8	
Quaking Aspen	5	Seedling	8	
Red Pine	20		12	
White Pine	10		12	
Jack Pine	45	Seedling	8	70

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	42290 - Natural Mixed Pine	Poletimber Medium	3.9	70	111-140	N/A	Pine ridge surrounded by swamp. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and shrubs. Soil = Deford-AuGres-Rubicon-Deep Water Table Complex PArV.2025 - Stand is healthy, jack pine is mature.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50		14	70
Quaking Aspen	20	Seedling	8	
White Pine	5		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	42290 - Natural Mixed Pine	Poletimber Well	1.0	70	141-170	N/A	Pine ridge surrounded by swamp. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and shrubs. Soil = Deford-AuGres-Rubicon-Deep Water Table Complex PArV.2025 - Stand is healthy, but mature.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50		10	70
Quaking Aspen	20	Seedling	8	
White Pine	5		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
57	42290 - Natural Mixed Pine	Poletimber Well	19.8	63	141-170	N/A	This is a variable stand with red pine logs and saplings. The jack pine varies in age from 5 sticks to 2 sticks. The red pine is on the higher ground and the jack pine in the low ground.2025 - This stand could be harvested, but it is healthy, jack pine is not dying yet.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
White Pine	15		10	
Jack Pine	40	Seedling	8	63
Red Pine	30		12	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	6126 - Lowland Jack Pine	Poletimber Medium	7.9	60	141-170	N/A	Small low, ridge in marsh, difficult to access. Flat. low ground frequently flooded due to beavers; areas of dead trees. Soil = Deford-AuGres-Rubicon-Deep Water Table Complex PArV.2025 - No change.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Seedling	8	
Jack Pine	50	Seedling	8	60
Red Pine	25		10	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	6126 - Lowland Jack Pine	Poletimber Medium	11.3	70	111-140	N/A	Flat, low ridge in large marsh frequently flooded due to beavers; areas of dead trees.2025 - No change.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	25		10	
Jack Pine	50	Seedling	8	70
Quaking Aspen	25	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	42290 - Natural Mixed Pine	Poletimber Well	4.3	70	141-170	N/A	Narrow, flat ridge in large marsh; difficult access. Lower ground has more jack pine and aspen and taller shrubs. If it becomes possible to harvest here, remove all trees. Soil=Deford-AuGres-Rubicon Deep Water Table Complex2025 - Drains are throughout the stand, increasing difficulty to harvest. If possible either seed tree or shelterwood.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	50		14	70
White Pine	10		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
61	42290 - Natural Mixed Pine	Poletimber Well	15.1	70	141-170	N/A	Narrow, flat ridge in large marsh; difficult access. Lower ground has more jack pine and aspen and taller shrubs. If it becomes possible to harvest here, remove all trees. Soil=Deford-AuGres-Rubicon Deep Water Table Complex2025 Stand is mature. Drains are around stand, which will make the stand difficult to harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	50		14	70
Quaking Aspen	20	Seedling	8	
White Pine	5		14	
Jack Pine	25	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	42290 - Natural Mixed Pine	Poletimber Medium	1.4	70	111-140	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV.2025 - Stand is healthy, but mature. If possible harvest stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		10	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
63	42290 - Natural Mixed Pine	Poletimber Well	2.1	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Stand is healthy, but mature. If accessible, harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		10	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	42290 - Natural Mixed Pine	Poletimber Well	3.9	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Stand is healthy, but mature. Jack pine will start to decline if not harvested soon, however, access will be difficult.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Seedling	8	
Red Pine	50		10	70
White Pine	20		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	42290 - Natural Mixed Pine	Poletimber Well	0.6	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - No change.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	8	
Red Pine	50		10	70
White Pine	15		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
66	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	17.6	25	Immature	N/A	Counts by TMS indicate that this stand is regenerating and no additional work is necessary. Soil=Deford Muck & Deford-AuGres-Rubicon Deep Water Table Complex. Count 673.2025 - Stand is healthy, no issues.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Log	2	
Red Pine	20	Log	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	42290 - Natural Mixed Pine	Poletimber Well	1.1	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - No change. Stand is mature and should be harvested, however, access will be difficult.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
Red Pine	50		10	70
White Pine	5		14	
Jack Pine	25	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	42290 - Natural Mixed Pine	Poletimber Well	3.6	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Stand is healthy. Jack pine is mature. If able to access stand should be harvested.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	8	
White Pine	10		14	
Jack Pine	30	Seedling	8	
Red Pine	50		8	70

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	42290 - Natural Mixed Pine	Poletimber Well	13.8	70	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Stand is ready for harvest. Jack pine is at it's max and will start to decline. If possible to access, harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	40		12	70
Quaking Aspen	20	Seedling	8	
White Pine	10		14	
Jack Pine	30	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	42210 - Natural Red Pine	Poletimber Well	4.7	70	141-170	N/A	Higher ground with red pine, white pine and blueberry; lower ground with jack pine, b.spruce, aspen and taller shrubs. Soil=Deford-AuGres-Rubicon Deep Water Table Complex 35=white pine and jack pine2025 Stand is healthy, but is mature. Harvest if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	6	
Black Spruce	5	Seedling	6	
White Pine	10		14	
Jack Pine	15	Seedling	6	
Red Pine	60		12	70

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	42290 - Natural Mixed Pine	Poletimber Well	54.1	64	141-170	N/A	Mainly Jack Pine, with Aspen on the flatter areas, and Red Pine on the ridges. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Aspen is overmature. Jack pine is mature. Not as old as surrounding stands. There are seasonal drains, and low ground throughout the stand. No definable drains, just sheet flow.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Seedling	6	
Quaking Aspen	10	Seedling	6	
Red Pine	30		12	
White Pine	5		14	
Jack Pine	50	Seedling	8	64

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
72	42290 - Natural Mixed Pine	Poletimber Medium	2.0	70	81-110	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. This stand is prescribed at this time so that it can be harvested in conjunction with the factor limited jack pine stands to the south. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV2025 - Stand is healthy, but mature. Harvest if accessible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	40		10	70
Quaking Aspen	25	Seedling	8	
White Pine	10		14	
Jack Pine	25	Seedling	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
73	42290 - Natural Mixed Pine	Poletimber Well	0.7	70	141-170	N/A	2025 - Stand is healthy. Small pine island surrounded by low ground. Access will be difficult. If possible, thin stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Seedling	8	
Quaking Aspen	10	Seedling	6	
Red Pine	45		10	70
Jack Pine	35	Seedling	6	70

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
74	42220 - Natural Jack Pine	Poletimber Well	0.9	75	111-140	N/A	Jack pine is starting to get old. Assume this was a pocket left from previous harvest. No mention of long term retention, so could be harvested with surrounding stands.2025 - Small stand. Trees are mature. Harvest with Stand 81.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	6	
Jack Pine	75	Seedling	8	75
Red Pine	15		10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
75	42290 - Natural Mixed Pine	Poletimber Well	1.1	65	141-170	N/A	Ridge in marsh; very difficult access. Higher ground has red pine and blueberry; the lower ground has more jack pine, aspen and tall shrubs. Soil=Deford-AuGres-Rubicon Deep Water Table Complex PArV.2025 - Stand is mature and ready to be harvested, however access will be difficult.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	6	
White Pine	10		14	
Jack Pine	30	Seedling	6	65
Red Pine	40	Seedling	8	65

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
76	6126 - Lowland Jack Pine	Poletimber Well	2.8	65	141-170	N/A	Narrow, flat, low ridge in large marsh; difficult access. Soil=Markey Mucky Peat.2025 - Stand is healthy but mature. Harvest if possible to access.
77	330 - Low-Density Trees	None	2.9			No	Soil=Deford-AuGres-Rubicon Deep Water Table Complex. PArV.2025 - This stand was originally part of a red pine stand that was cut 20 years ago. This is low ground that will not support a full stocked stand.
78	500 - Water	None	0.7			No	Small pond
79	500 - Water	None	1.9			No	Small pond
80	622 - Lowland Shrub	None	2.4			No	Low tag alder stand with aspen starting to grown in through the edges.
81	42140 - Planted Mixed Pine	Sawtimber Well	6.7	75	141-170	N/A	Thinned in 1999. Along M-28, next to Clark Ditch. Red pine was hand planted with inmates in 2002. Soil=Deford-AuGres-Rubicon Deep Water Table Complex. PArV2025- Healthy. Stand is almost a two aged stand.
82	42140 - Planted Mixed Pine	Poletimber Medium	10.2	75	51-80	N/A	Along M-28. Cut in 1999. Ridges with more red pine, flat areas with more aspen regen. Soil=Deford-AuGres-Rubicon Deep Water Table Complex and Seney-Deford Complex.2025 - Stand is healthy, and is not ready for a harvest. The understory is full of aspen.

76

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	20	Seedling	8	
Quaking Aspen	10	Seedling	6	
Black Spruce	5	Sapling	7	
White Pine	5	Sapling	6	
Jack Pine	60	Seedling	6	65

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Red Pine	Medium	>20 feet	>20 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Medium	10 - 20 feet	10 - 20 feet
Cherry (spp.)	Low	5 - 10 feet	5 - 10 feet

77

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet
Red Pine	Low	10 - 20 feet	10 - 20 feet

80

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet

81

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Sapling	6	
Red Pine	50		12	75
White Pine	5		14	
Jack Pine	30	Seedling	8	
Quaking Aspen	10	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

82

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	35		12	75
White Pine	50		12	75
Quaking Aspen	15	Log	4	26

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
83	4311 - Pine, Aspen Mix	Poletimber Well	35.9	36	81-110	N/A	Cut in 1989. Variable density & species; stand includes small areas of jack pine and openings. Soil=Seney-Deford Complex. PArVAa.2025 Trees growing well. No activity at this time.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Sapling	6	
Quaking Aspen	45	Sapling	5	36
Black Spruce	15	Log	4	
White Pine	5	Sapling	6	
Jack Pine	30	Sapling	5	36

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	42210 - Natural Red Pine	Sawtimber Well	8.3	77	141-170	N/A	Thinned in 1999. Along M-28, next to Clark Ditch. Red pine was hand planted with inmates in 2002. Soil=Deford-AuGres-Rubicon Deep Water Table Complex. PArV.2025 - Stand is healthy, but the trees are short. Could be cut or left. However, aspen will continue to take over understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	95		10	77
White Pine	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	10 - 20 feet	10 - 20 feet
Cherry (spp.)	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
86	4133 - Aspen, Mixed Pine	Poletimber Medium	2.2	60	81-110	N/A	2025 - Stand is healthy.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	40		10	
Quaking Aspen	60	Seedling	8	60

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
87	42210 - Natural Red Pine	Sawtimber Well	3.4	75	141-170	N/A	Small knoll with red pine, lots of poles. Aspen on lower ground around edges. Soil=Deford-AuGres-Rubicon Deep Water Table Complex. PArV.2025- Stand is healthy and could be cut. Aspen is mature and will start to decline between now and next entry.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	70		12	75
Quaking Aspen	30	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	6139 - Mixed Lowland Forest	Poletimber Medium	13.6	60	81-110	N/A	This is an open grown aspen stand with a variety of ages and stocking. The edges are starting to fill in with aspen. There are pockets of tag alder on the lower ground. No activity.2025 - This stand is approximately half upland and half lowland. The aspen is mature, but the stocking levels are variable. Could harvest if in the area.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	30		10	
Quaking Aspen	50	Seedling	8	60
White Pine	10		12	
Tamarack	10	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Ash	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
89	42290 - Natural Mixed Pine	Sawtimber Well	3.5	75	111-140	N/A	2025 - Could harvest. Aspen is mature and the jack pine is healthy. Stand could be cut.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Seedling	8	
White Pine	10		10	
Jack Pine	20	Seedling	8	
Red Pine	50		12	75

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
90	4133 - Aspen, Mixed Pine	Poletimber Medium	11.1	60	81-110	N/A	Slightly higher ground than surrounding ground. Aspen starting to fill in edges.2025 - Aspen is mature. Drain on east side. Cut aspen and thin pine.
91	42210 - Natural Red Pine	Poletimber Well	1.5	74	141-170	N/A	2005-Thin with stand 21, c.119. Blueberry on higher ground; mountain holly, wild raisin and other taller shrubs on lower ground. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2015-A couple of acres to the north was marked to be harvested with stand 21 in compartment 119. TS# 41-004-08-01. However, was never cut.2025 - Stand is healthy. If clear cut will become hardwoods.
92	3302 - Low Density Conifer Trees	None	3.2			No	2025 Stand is starting to fill in, however it's still low, open ground.
93	42290 - Natural Mixed Pine	Sawtimber Well	7.1	72	111-140	N/A	2025 - Stand is healthy . Could cut or leave not as much hardwood in the understory.
94	42210 - Natural Red Pine	Sawtimber Well	3.6	70	171-200	N/A	Surrounded by marsh; difficult access. Higher ground with red pine, white pine and blueberry; lower ground with jack pine, aspen and taller shrubs. Soil=Deford-AuGres-Rubicon Deep Water Table Complex.2025 - Stand is healthy, not overmature. It looks like it might have been underplanted, but the trees are suppressed. Stand could be thinned, however, aspen will come in the understory.

90

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Seedling	8	60
Red Pine	40		10	

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Medium	5 - 10 feet	5 - 10 feet

91

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60		10	74
White Pine	20		12	
Jack Pine	20	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Aspen (spp.)	Medium	10 - 20 feet	10 - 20 feet

92

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Red Pine	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
Jack Pine	Medium	10 - 20 feet	10 - 20 feet

93

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	40		14	72
Black Spruce	5	Sapling	6	
White Pine	10		16	
Jack Pine	30	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Medium	5 - 10 feet	5 - 10 feet

94

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Seedling	8	
Red Pine	80		14	70
Jack Pine	5	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	5 - 10 feet	5 - 10 feet