



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42056

Entry Year 2024

Acreage: 1,603

County Chippewa

Management Area: Whitefish Vermillion Point

Stand Examiner: Amy Livermore

Legal Description:

T50N R7W, NENE Sec. 22, Sec. 23, Sec. 24, NE1/4, SWNW, SENW, NWSW Sec. 25

Identified Planning Goals:

Maintain forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

Soil and topography:

The two main soil series within the compartment are Deer Park fine sand and Deer Park-Kinross complex. The topography is mainly flat ground to rolling hills.

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

Compartment consists of a large block of contiguous State ownership, which adjoins additional State ownership to the north and east and private land to the west and south. The Companions of Christ the Lamb church camp is located directly to the south of this compartment.

Unique Natural Features:

No records listed by MNFI.

Archeological, Historical, and Cultural Features:

None known in this compartment.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

There are no managed fisheries in this compartment, however there are some wet areas/ponds in the center of the compartment. These provide value to amphibians and reptiles and should be buffered according to the standards set in the BMP Manual.

Wildlife Habitat Considerations:

Compartment 56 lies in northern Chippewa county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment lies within the Whitefish Vermillion Point Management Area and moose, piping plover, red crossbill and spruce grouse are featured species in the compartment. The compartment is almost entirely jack pine with scattered components of red pine, white pine, birch oak, hardwood and spruce mixed in throughout the stands.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural/species diversity as possible in managed stands will be important to achieving wildlife objectives. Retaining soft and hard mast producing species and red and white pine in jack pine final harvests will provide food sources, nest and den trees, and improve stand diversity. Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. The wetland/pond areas in the center of the compartment will be important for wildlife and we should retain forest/shrub diversity around those locations; wetlands should be buffered appropriately. Wildlife species potentially using this compartment include white-tailed deer, snowshoe hare, spruce grouse, black bear, gray wolves, and moose.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. No known active sand/gravel pits exist in the area. There may be some potential for sand & gravel within the compartment. No current State mineral leasing activity exists in the area.

Vehicle Access:

Access to the compartment is primarily from the east and north via a network of two track roads off of the Widewaters Road. Access from the south is through private land.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are no designated trails or recreational facilities within this compartment. Main recreational opportunities exist of berry picking, wildlife viewing, ORV riding, and hunting.

Fire Protection:

This compartment is part of the Whitefish Zone Dispatch Area. Large fire potential exists in the continuous Jack Pine fuel types. Response times are long due to its distance from available resources in Newberry. Lowland communities will make suppression tactics challenging with large wheeled suppression equipment.

Additional Compartment Information:

The following reports from the Inventory are attached:

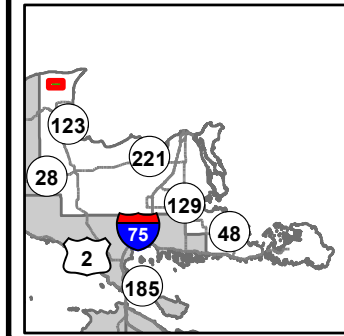
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

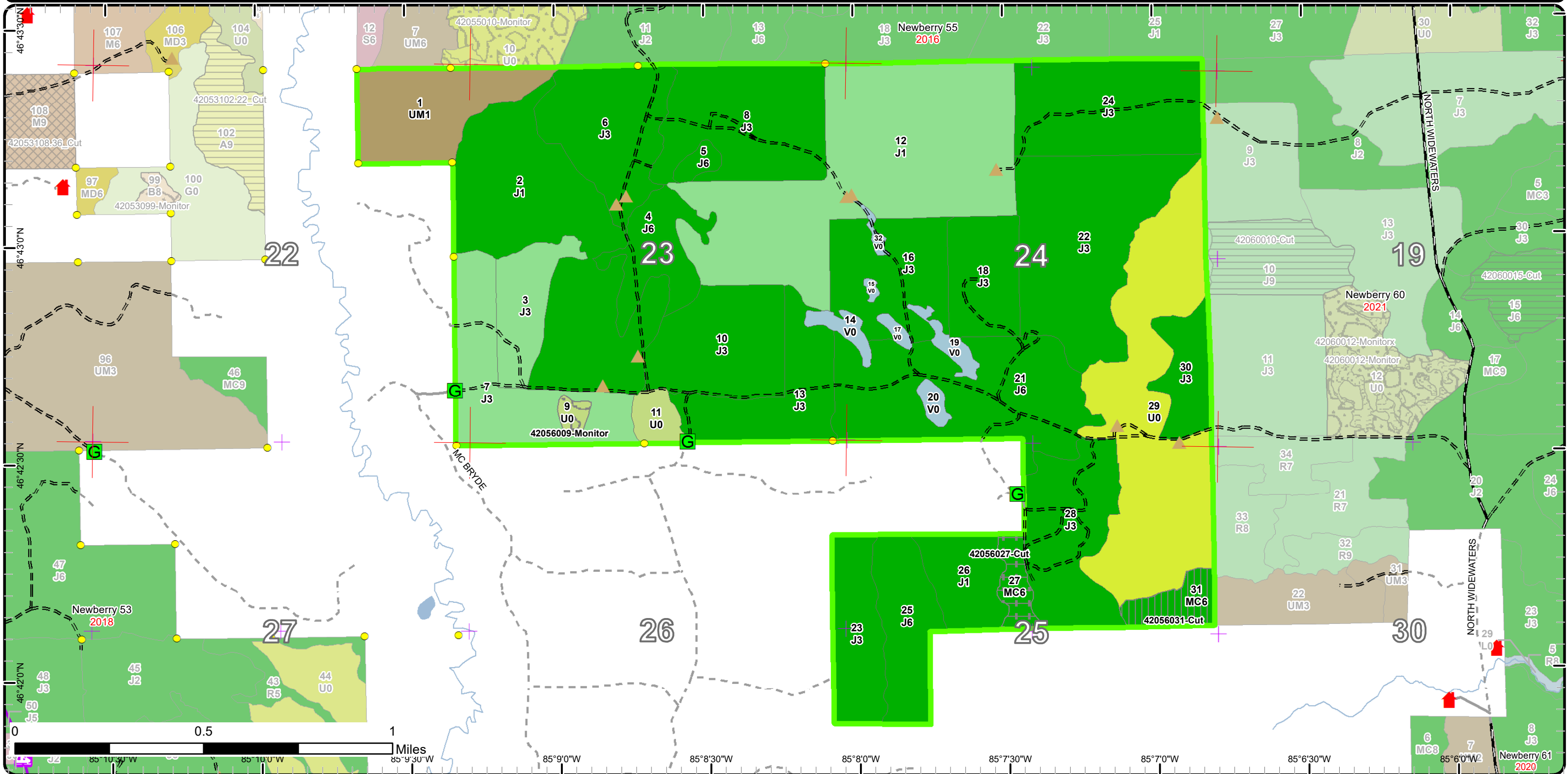
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 56
 T50N, R07W, Sec. 22-25
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOY: 2024
 Acres: 1603 GIS Calculated
 Examiner: Amy Livermore
 Map Revised: 1/6/2023
 Map Phase: Post-Review

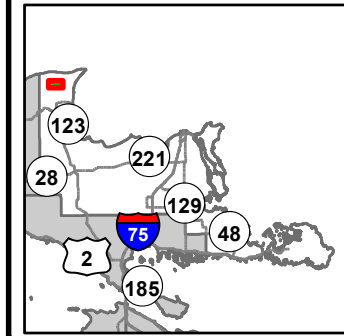


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ Berms
- Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Harvest, Overstory Removal
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

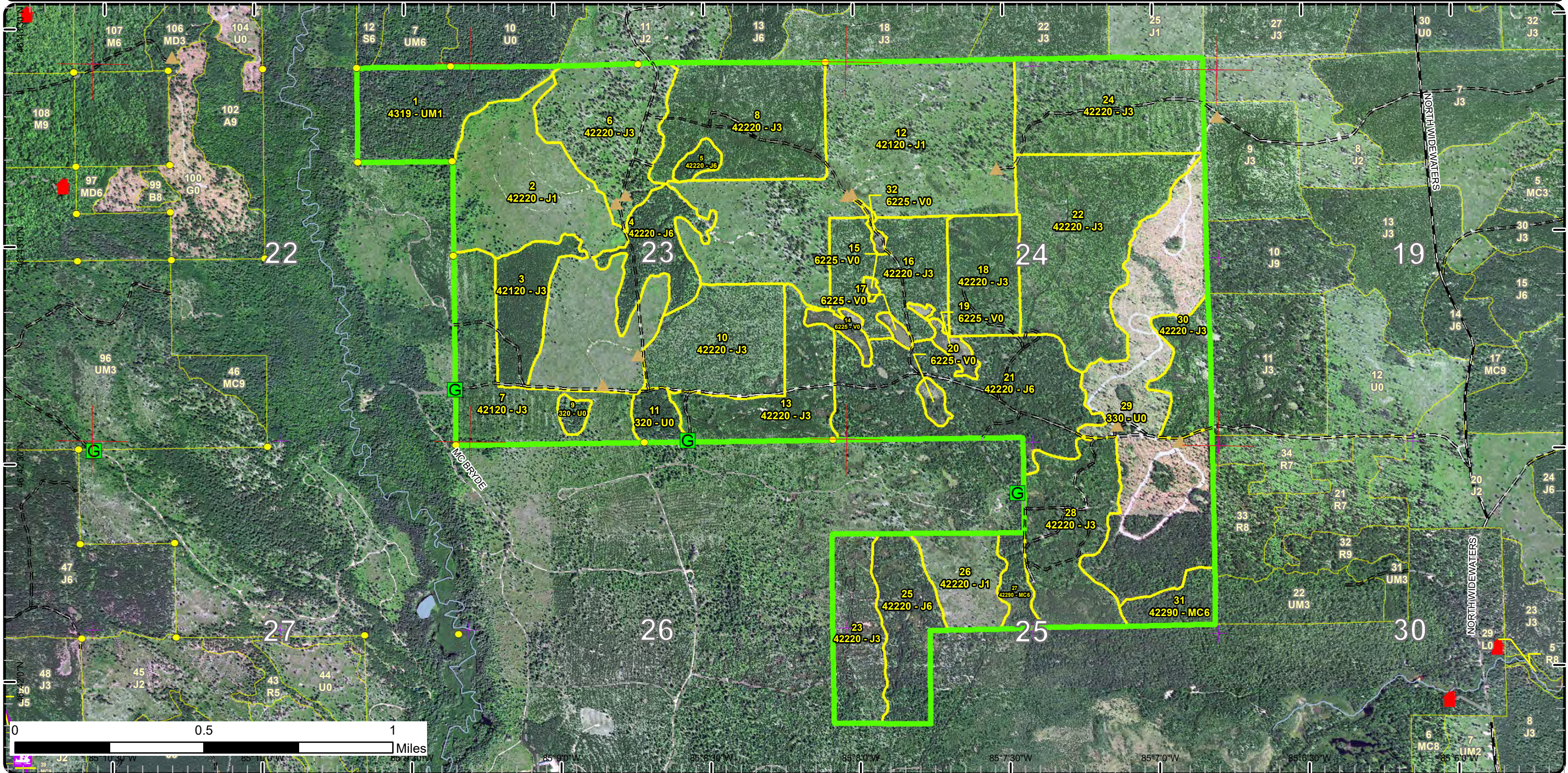


Stand Boundary Map

Compartment: 56
 T50N, R07W, Sec. 22-25
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2024
 Acres: 1603 GIS Calculated
 Examiner: Amy Livermore
 Map Revised: 1/6/2023
 Map Phase: Post-Review

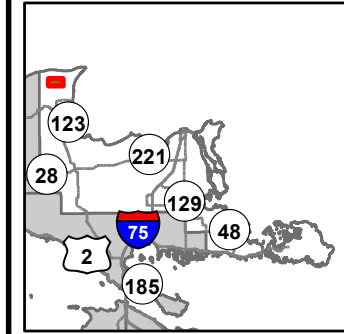


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

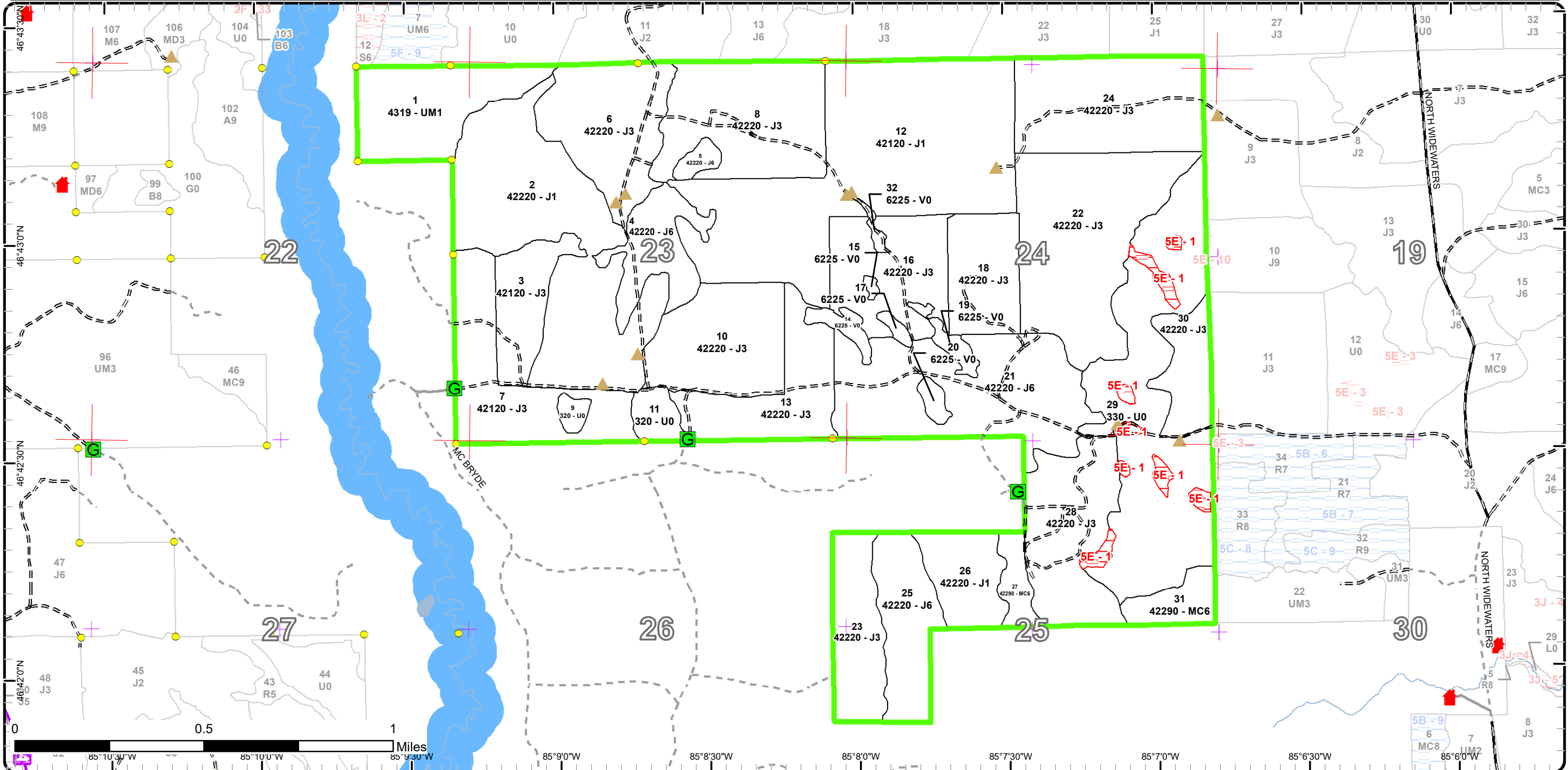


Special Conservation Areas

Compartment: 56
 T50N, R07W, Sec. 22-25
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2024
 Acres: 1603 GIS Calculated
 Examiner: Amy Livermore
 Map Revised: 1/6/2023
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



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+	Unnever-Aged	Total
Bog	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Jack Pine	0	0	437	531	175	189	0	0	0	0	0	0	0	0	0	0	0	0	1331
Low-Density Trees	148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148
Natural Mixed Pines	0	0	0	0	0	12	0	0	17	0	0	0	0	0	0	0	0	0	29
Upland Mixed Forest	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Upland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Total	185	57	437	531	175	201	0	0	17	0	0	0	0	0	0	0	0	0	1602



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 56

Total Compartment Acres: 1,603

Commercial Harvest - 29
 Harvests with Site Condition - 0
 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
Natural Mixed Pines		0	0	0	0	17	0	12	0	0	29
	Total	0	0	0	0	17	0	12	0	0	29

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		29	0	0	0	0	0	4	0	0	33
Next Step		0	4	4	0	0	0	21	0	0	29
	Total	29	4	4	0	0	0	25	0	0	62



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

Approved Treatments:

9	42056009-Monitor	4.2	320 - Upland Shrub	Nonstocked	0	Immature	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Monitor for natural jack pine regeneration. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr) <u>Treatments:</u> <u>Acceptable</u> jack pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>											
27	42056027-Cut	12.0	42290 - Natural Mixed Pine	Poletimber Well	46	141-170	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Remove overstory to open up canopy. Leave some scattered red and white pine 22" dbh and greater within the stand. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> jack pine, white pine, red pine, spruce, red maple, paper birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
31	42056031-Cut	16.7	42290 - Natural Mixed Pine	Poletimber Well	79	171-200	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Thin from below to 40-50 BA. Try to leave behind any pine regeneration. First take red maple and balsam, followed by paper birch, then take spruce and lastly pine. Leave a component of pine 22"+ dbh. Leave a half acre unmarked to meet retention guidelines. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> pine, red maple, spruce <u>Regen:</u> <u>Other</u> Stay out of overly wet areas and vernal pools, focus retention around wetland pockets. Treatment size may vary due to wet areas. Retention <u>Comment:</u> pocket should be placed in the northeastern most part of the stand, as there is a wetland there. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											

Total Treatment Acreage Proposed: 32.9

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 56
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	<i>Acres Avail</i> <i>With Condition</i>	Acres Not Available	Dominant Site Conditions	5E
22	22	<i>0</i>	0	Bog	
1331	1331	<i>0</i>	0	Jack Pine	0
148	134	<i>0</i>	14	Low-Density Trees	14
29	29	<i>0</i>	0	Natural Mixed Pines	
57	57	<i>0</i>	0	Upland Mixed Forest	
15	15	<i>0</i>	0	Upland Shrub	
1,603	1,589		14	Total Forested Acres	14
	99%		1%	Relative Percent	

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



Report 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.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
1	4319 - Mixed Upland Forest	Sapling Poor	57.4	5	Immature	N/A	Units 4 & 5 of Snag It Pine 42-019-14. Harvested in 2017, leaving white pine, red pine, oak birch and cedar. Scarified in fall of 2018. Some areas were not scarified due to wet ground and high residual BA. Poor conifer regeneration, mostly aspen and maple coming back. 10/22 Management objective changed from jack pine to upland mixed due to lots of aspen and red maple coming back.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Jack Pine</td><td>20</td><td>Sapling</td><td>2</td><td>5</td></tr> <tr><td>Quaking Aspen</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Pine</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Pine</td><td>10</td><td>Log</td><td>10</td><td>72</td></tr> <tr><td>Jack Pine</td><td>10</td><td>Log</td><td>10</td><td></td></tr> <tr><td>Red Pine</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Spruce</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Spruce</td><td>5</td><td>Log</td><td>10</td><td></td></tr> <tr><td>White Pine</td><td>5</td><td>Log</td><td>12</td><td></td></tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	20	Sapling	2	5	Quaking Aspen	10	Sapling	2		White Pine	10	Sapling	2		Red Pine	10	Log	10	72	Jack Pine	10	Log	10		Red Pine	10	Sapling	2		Red Maple	10	Sapling	2		White Spruce	10	Sapling	2		White Spruce	5	Log	10		White Pine	5	Log	12	
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Jack Pine	20	Sapling	2	5																																																										
Quaking Aspen	10	Sapling	2																																																											
White Pine	10	Sapling	2																																																											
Red Pine	10	Log	10	72																																																										
Jack Pine	10	Log	10																																																											
Red Pine	10	Sapling	2																																																											
Red Maple	10	Sapling	2																																																											
White Spruce	10	Sapling	2																																																											
White Spruce	5	Log	10																																																											
White Pine	5	Log	12																																																											
2	42220 - Natural Jack Pine	Sapling Poor	142.3	16	1-50	N/A	Stand was harvested as sale #004-04-01. Completed 01/07. All red pine, white pine and white birch left as residual. Scarification done on FTP #42-602, completed August 2007. Regen check in 2011; counts of JP less than 1ft = 248 tr/ac, RP less than 1ft = 129 tr/ac, WP less than 1ft = 89 tr/ac. Regen check summer 2017: Jack pine 796 Trees/acre, Red maple 277 Trees/acre, white pine 101 Trees/acre, White birch/ Red pine/ red oak/ balsam fir: 10 Trees/acre.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Red Maple</td><td>2</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Jack Pine</td><td>68</td><td>Sapling</td><td>3</td><td>16</td></tr> <tr><td>Red Pine</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>White Pine</td><td>5</td><td>Log</td><td>14</td><td></td></tr> <tr><td>White Pine</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Pine</td><td>15</td><td>Log</td><td>12</td><td>72</td></tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	1		Jack Pine	68	Sapling	3	16	Red Pine	5	Sapling	2		White Pine	5	Log	14		White Pine	5	Sapling	1		Red Pine	15	Log	12	72																				
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	2	Sapling	1																																																											
Jack Pine	68	Sapling	3	16																																																										
Red Pine	5	Sapling	2																																																											
White Pine	5	Log	14																																																											
White Pine	5	Sapling	1																																																											
Red Pine	15	Log	12	72																																																										
3	42120 - Planted Jack Pine	Sapling Well	32.3	28	Immature	N/A	Young Jack Pine, 20+ ft tall. Nice thick stand. Cut in 1992 (sale #57-85). Stand was planted in 1995 (FTP #42-224) and then again in 1999 (FTP #42-346).																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>4</td> <td>28</td> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	100	Sapling	4	28	Red Pine	Low	< 5 feet	Sapling						Jack Pine	Low	< 5 feet	Sapling																												
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																						
Jack Pine	100	Sapling	4	28	Red Pine	Low	< 5 feet	Sapling																																																						
					Jack Pine	Low	< 5 feet	Sapling																																																						
4	42220 - Natural Jack Pine	Poletimber Well	33.9	45	51-80	N/A	Young, pole size jack pine. Stand harvested in 1977 as sale #03-74A. Scarified in 1978 on FTP #C-160.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Pole/Sapling</td> <td>7</td> <td>45</td> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	100	Pole/Sapling	7	45	Jack Pine	Medium	5 - 10 feet	Sapling						Red Maple	Low	Variable	Sapling																												
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																						
Jack Pine	100	Pole/Sapling	7	45	Jack Pine	Medium	5 - 10 feet	Sapling																																																						
					Red Maple	Low	Variable	Sapling																																																						
5	42220 - Natural Jack Pine	Poletimber Well	5.2	45	1-50	N/A	Young, pole size jack pine. Stand harvested in 1977 as sale #03-74A. Scarified in 1978 on FTP #C-160.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>11</td> <td></td> <td>Jack Pine</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>95</td> <td>Pole/Sapling</td> <td>5</td> <td>45</td> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	5	Log/Pole	11		Jack Pine	High	10 - 20 feet	Sapling	Jack Pine	95	Pole/Sapling	5	45	White Pine	Low	Variable	Sapling						Red Maple	Low	Variable	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Pine	5	Log/Pole	11		Jack Pine	High	10 - 20 feet	Sapling																																																						
Jack Pine	95	Pole/Sapling	5	45	White Pine	Low	Variable	Sapling																																																						
					Red Maple	Low	Variable	Sapling																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
6	42220 - Natural Jack Pine	Sapling Well	65.0	15	Immature	N/A	Stand was harvested as sale #002-04-01. Completed 01/07. Scarification done on FTP #42-600 in August 2007. Regen check done in 2011; counts JP less than 1ft = 1488 tr/ac.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>12</td> <td>72</td> </tr> <tr> <td>Jack Pine</td> <td>75</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	15	Log	12	72	Jack Pine	75	Sapling	2	15	White Pine	10	Log	14																												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Pine	15	Log	12	72																																												
Jack Pine	75	Sapling	2	15																																												
White Pine	10	Log	14																																													
7	42120 - Planted Jack Pine	Sapling Well	65.0	20	Immature	N/A	Young jack pine, 10-20 ft tall. Cut in 1996 (sale #45-95), scarified in 1998 (FTP #42-407). Trenched in 2004.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>2</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>96</td> <td>Sapling</td> <td>4</td> <td>20</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	2	Log/XLog	16		Red Pine	2	Log	14		Jack Pine	96	Sapling	4	20	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	< 5 feet	Sapling	Black Spruce	Low	Variable	Sapling	Red Pine	Low	< 5 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																												
White Pine	2	Log/XLog	16																																													
Red Pine	2	Log	14																																													
Jack Pine	96	Sapling	4	20																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Jack Pine	Medium	< 5 feet	Sapling																																													
Black Spruce	Low	Variable	Sapling																																													
Red Pine	Low	< 5 feet	Sapling																																													
8	42220 - Natural Jack Pine	Sapling Well	80.0	31	Immature	N/A	Nice thick young jack pine. Cut as sale #57-85, scarified as FTP #42-290. Component of red pine and red maple regeneration.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>98</td> <td>Sapling</td> <td>4</td> <td>31</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	98	Sapling	4	31	Red Maple	2	Sapling	2		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	5 - 10 feet	Sapling	Jack Pine	Medium	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																												
Jack Pine	98	Sapling	4	31																																												
Red Maple	2	Sapling	2																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Pine	Low	5 - 10 feet	Sapling																																													
Jack Pine	Medium	5 - 10 feet	Sapling																																													
Red Maple	Medium	5 - 10 feet	Sapling																																													
9	320 - Upland Shrub	Nonstocked	4.2	0	Immature	4222 - Natural Jack Pine	Harvested in 2016 via clearcut. Snag It Pine #19-14. Scarified in summer 2017. FTP 42-870. Failed regen checks in 2021. Failed regen check in 2022. There is some jack pine starting to come in. Monitor.																																									
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Log</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Red Pine	Low	>20 feet	Pole	White Spruce	Low	>20 feet	Pole	White Pine	Low	>20 feet	Log																									
Sub-Canopy Species	Density	Avg. Height	Size																																													
Jack Pine	Low	< 5 feet	Sapling																																													
Red Pine	Low	>20 feet	Pole																																													
White Spruce	Low	>20 feet	Pole																																													
White Pine	Low	>20 feet	Log																																													
10	42220 - Natural Jack Pine	Sapling Well	61.5	26	Immature	N/A	Young jack pine, more open than adjacent stand. Stand harvested in 1991 as sale #57-85. Stand was scheduled to be planted but FTP completion report shows only the other stand on the FTP as being planted. Stand is well stocked.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>2</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>88</td> <td>Sapling</td> <td>4</td> <td>26</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	2	Sapling	4		Jack Pine	88	Sapling	4	26	Paper Birch	5	Pole/Sapling	5		Red Pine	5	Sapling	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Red Pine	Low	< 5 feet	Sapling	Jack Pine	Medium	< 5 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																												
Black Spruce	2	Sapling	4																																													
Jack Pine	88	Sapling	4	26																																												
Paper Birch	5	Pole/Sapling	5																																													
Red Pine	5	Sapling	4																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	Low	Variable	Sapling																																													
Red Pine	Low	< 5 feet	Sapling																																													
Jack Pine	Medium	< 5 feet	Sapling																																													
11	320 - Upland Shrub	Nonstocked	10.6	0	Immature	4222 - Natural Jack Pine	Residual pole sized red & white pine and paper birch. Jack Pine harvested in 2016. Snag It Pine #19-14. Scarified summer 2017. FTP 42-870. Failed regen check 10/21. Passed 10/22 regen check. Next step trenching removed.																																									
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	>20 feet	Pole	Paper Birch	Low	>20 feet	Pole	Jack Pine	Medium	< 5 feet	Sapling	Red Pine	Low	>20 feet	Pole																									
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	>20 feet	Pole																																													
Paper Birch	Low	>20 feet	Pole																																													
Jack Pine	Medium	< 5 feet	Sapling																																													
Red Pine	Low	>20 feet	Pole																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
12	42120 - Planted Jack Pine	Sapling Poor	199.6	18	1-50	N/A	Stand was harvested as 2 timber sales. Sale #006-04-01, completed 12/2004 and 12/2005. Some red pine and white pine blowdown were salvaged. Scarified on FTP #42-604, south half 11/2005 and north half in 11/2006. Sale #003-04-01, completed 12/2004 and scarified on FTP #42-601 in 11/2005. Regen count done in 2008 showed 114 tr/ac. Regen count in 2009 showed red/jack/white pine at 201 tr/ac, all speices combined at 312 tr/ac, 15 BA, Crown 13 - moderate stocking. Regen check summer 2017. Walkthrough and visual inspection showed stand very well stocked with jack pine.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>88</td> <td>Sapling</td> <td>2</td> <td>18</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Pole/Log	9		Red Pine	2	Log	11		Jack Pine	88	Sapling	2	18	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Red Pine	Low	5 - 10 feet	Sapling	Red Maple	Low	< 5 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																													
Red Maple	10	Pole/Log	9																																														
Red Pine	2	Log	11																																														
Jack Pine	88	Sapling	2	18																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
Jack Pine	Low	< 5 feet	Sapling																																														
Red Pine	Low	5 - 10 feet	Sapling																																														
Red Maple	Low	< 5 feet	Sapling																																														
13	42220 - Natural Jack Pine	Sapling Well	50.7	24	Immature	N/A	Young jack pine. Harvested in 1998 as sale #44-94. Scarified in 1998 on FTP #42-446. Some open areas.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>91</td> <td>Sapling</td> <td>4</td> <td>24</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	5	Pole	6		Jack Pine	91	Sapling	4	24	Paper Birch	2	Sapling	4		Red Maple	2	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Red Pine	Low	< 5 feet	Sapling	Jack Pine	Medium	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																													
Red Pine	5	Pole	6																																														
Jack Pine	91	Sapling	4	24																																													
Paper Birch	2	Sapling	4																																														
Red Maple	2	Pole/Sapling	5																																														
Sub-Canopy Species	Density	Avg. Height	Size																																														
Red Maple	Low	Variable	Sapling																																														
Black Spruce	Low	Variable	Sapling																																														
Red Pine	Low	< 5 feet	Sapling																																														
Jack Pine	Medium	< 5 feet	Sapling																																														
14	6225 - Bog	Nonstocked	6.4			No																																											
15	6225 - Bog	Nonstocked	1.1			No																																											
16	42220 - Natural Jack Pine	Sapling Well	54.2	31	Immature	N/A	Young jack pine, some are open grown. Small low areas/bogs throughout stand. Stand harvested as sale #56-85. Scarified on FTP #42-291.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>91</td> <td>Sapling/Pole</td> <td>4</td> <td>31</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	91	Sapling/Pole	4	31	Paper Birch	2	Sapling	3		Red Pine	5	Pole/Sapling	5		Black Spruce	2	Sapling	3		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	< 5 feet	Sapling	Red Pine	Medium	5 - 10 feet	Sapling	Red Maple	Low	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																													
Jack Pine	91	Sapling/Pole	4	31																																													
Paper Birch	2	Sapling	3																																														
Red Pine	5	Pole/Sapling	5																																														
Black Spruce	2	Sapling	3																																														
Sub-Canopy Species	Density	Avg. Height	Size																																														
Jack Pine	Medium	< 5 feet	Sapling																																														
Red Pine	Medium	5 - 10 feet	Sapling																																														
Red Maple	Low	Variable	Sapling																																														
17	6225 - Bog	Nonstocked	2.4			No	Scattered standing dead jack pine.																																										
18	42220 - Natural Jack Pine	Sapling Well	38.5	24	Immature	N/A	Thick jack pine. Harvested in 1997 as sale #41-94. Scarified in 1998 on FTP #42-417). Some scattered red pine residual from the harvest. Scattered low areas/water holes. Some red pine regeneration.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>4</td> <td>24</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	100	Sapling	4	24	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Red Pine	Low	Variable	Sapling	Jack Pine	Medium	5 - 10 feet	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																													
Jack Pine	100	Sapling	4	24																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
Red Maple	Low	Variable	Sapling																																														
Red Pine	Low	Variable	Sapling																																														
Jack Pine	Medium	5 - 10 feet	Sapling																																														
19	6225 - Bog	Nonstocked	6.2			No																																											
20	6225 - Bog	Nonstocked	4.2		Immature	No	Some standing dead jack pine.																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
21	42220 - Natural Jack Pine	Poletimber Well	106.9	46	81-110	N/A	Pole size jack pine with good component of red pine. Residual supercanopy red and white pine. Lots of small lower areas throughout the stand (all dry 10/21). Stand harvested in 1977 as sale #10-69A. Scarified on FTP #C-135.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>25</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>63</td> <td>Pole/Sapling</td> <td>7</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Sapling	3		White Pine	2	Log	12		Red Pine	5	Log	11		Red Pine	25	Sapling	4		Jack Pine	63	Pole/Sapling	7	46	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>High</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Medium	Variable	Sapling	Jack Pine	High	>20 feet	Sapling	Paper Birch	Low	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Red Maple	Low	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Paper Birch	5	Sapling	3																																																						
White Pine	2	Log	12																																																						
Red Pine	5	Log	11																																																						
Red Pine	25	Sapling	4																																																						
Jack Pine	63	Pole/Sapling	7	46																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Pine	Medium	Variable	Sapling																																																						
Jack Pine	High	>20 feet	Sapling																																																						
Paper Birch	Low	Variable	Sapling																																																						
Black Spruce	Low	Variable	Sapling																																																						
Red Maple	Low	10 - 20 feet	Sapling																																																						
22	42220 - Natural Jack Pine	Sapling Well	109.4	23	Immature	N/A	Stand was harvested as sale #56-85 in 1994. Scarified in 2000 on FTP #42-338. A few open areas. Scattered red pine and red maple regeneration. Some willow regen around small lower areas.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>4</td> <td>23</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling	4	23	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	Sapling	Red Pine	Low	5 - 10 feet	Sapling	Red Maple	Low	Variable	Sapling																												
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Jack Pine	100	Sapling	4	23																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Jack Pine	Medium	5 - 10 feet	Sapling																																																						
Red Pine	Low	5 - 10 feet	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
23	42220 - Natural Jack Pine	Sapling Well	40.4	31	Immature	N/A	Stand was harvested as sale #55-85, completed in 1991. Scarified in 1992 on FTP #42-279. Southwest corner of stand is slightly older jack pine (sale #10-69 - cut in 1977 - some spruce and white pine left as residual). Old road runs through stand.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>98</td> <td>Sapling</td> <td>4</td> <td>31</td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	98	Sapling	4	31	Black Spruce	2	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling	Jack Pine	Medium	5 - 10 feet	Sapling	Red Maple	Low	Variable	Sapling																							
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Jack Pine	98	Sapling	4	31																																																					
Black Spruce	2	Pole/Sapling	5																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Black Spruce	Low	Variable	Sapling																																																						
Jack Pine	Medium	5 - 10 feet	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
24	42220 - Natural Jack Pine	Sapling Well	81.3	24	Immature	N/A	Young jack pine, 10-15 ft tall. Residual red pine and occasional white pine. More residual in western part of stand. Stand harvested as sale #42-94, completed in 1997. Scarified in 1998 on FTP #42-408.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>85</td> <td>Sapling</td> <td>4</td> <td>24</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	85	Sapling	4	24	Red Pine	15	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	< 5 feet	Sapling	Red Pine	Low	< 5 feet	Sapling	Jack Pine	Medium	< 5 feet	Sapling																							
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Jack Pine	85	Sapling	4	24																																																					
Red Pine	15	Log	12																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Red Maple	Low	< 5 feet	Sapling																																																						
Red Pine	Low	< 5 feet	Sapling																																																						
Jack Pine	Medium	< 5 feet	Sapling																																																						
25	42220 - Natural Jack Pine	Poletimber Well	42.7	46	1-50	N/A	Small leather leaf bogs scattered throughout. Harvested as sale #10-69A in 1977. Scarified in 1977 on FTP #C-135.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Pole/Sapling</td> <td>5</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Pole/Sapling	5	46	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	Variable	Sapling	Black Spruce	Medium	Variable	Sapling																																
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Jack Pine	100	Pole/Sapling	5	46																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Jack Pine	Medium	Variable	Sapling																																																						
Black Spruce	Medium	Variable	Sapling																																																						
26	42220 - Natural Jack Pine	Sapling Poor	30.6	18	1-50	N/A	Some small swales throughout. Stand was harvested as sale #005-04-01, completed 06/2005. Scarification completed on FTP #42-603 in 09/2005. Regeneration check in 2008 showed 165 tr/ac (71 JP, 94 RP). Regen check summer 2017: Jack pine 639 Trees/acre, Red maple 182 Trees/acre, Red pine 45 Trees/acre, White spruce 45 Trees/acre.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>65</td> <td>Sapling</td> <td>1</td> <td>18</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	15	Log	11		Red Maple	15	Sapling	3		White Pine	5	Pole	7		Jack Pine	65	Sapling	1	18	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling																					
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Pine	15	Log	11																																																						
Red Maple	15	Sapling	3																																																						
White Pine	5	Pole	7																																																						
Jack Pine	65	Sapling	1	18																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Jack Pine	Low	< 5 feet	Sapling																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
27	42290 - Natural Mixed Pine	Poletimber Well	12.0	46	141-170	N/A	Stand harvested as sale #10-69A. Completed in 1977. Scarified on FTP #C-135 in 1977. North half of the stand has much more red pine, black spruce, white pine residual from the harvest than southern half. South half is more young jack pine. Good jack pine, red pine, and white pine regeneration.																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>35</td> <td>Pole/Sapling</td> <td>5</td> <td>46</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	35	Pole/Sapling	5	46	Red Maple	5	Pole/Sapling	7		Paper Birch	5	Pole	7		Black Spruce	10	Pole	8		White Pine	30	Pole	9		Red Pine	15	Pole	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Black Spruce	Low	10 - 20 feet	Sapling	White Pine	Medium	10 - 20 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																				
Jack Pine	35	Pole/Sapling	5	46																																																																				
Red Maple	5	Pole/Sapling	7																																																																					
Paper Birch	5	Pole	7																																																																					
Black Spruce	10	Pole	8																																																																					
White Pine	30	Pole	9																																																																					
Red Pine	15	Pole	9																																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																					
Red Maple	Low	Variable	Sapling																																																																					
Black Spruce	Low	10 - 20 feet	Sapling																																																																					
White Pine	Medium	10 - 20 feet	Sapling																																																																					
28	42220 - Natural Jack Pine	Sapling Well	65.5	24	1-50	N/A	Young jack pine with a good red pine and white birch component. Residual red pine and white pine from harvest. Stand was harvested as sale #47-94, completed in 1997. Less red pine residual in southern end and jack pine regeneration is thicker. Scarified in 1998 on FTP #42-418.																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>65</td> <td>Sapling</td> <td>3</td> <td>24</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Sapling	2		Paper Birch	10	Sapling	2		White Pine	5	Log	12		Jack Pine	65	Sapling	3	24	Red Pine	10	Sapling	2		Red Pine	5	Log/XLog	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	< 5 feet	Sapling	Red Maple	Medium	Variable	Sapling	Red Pine	Medium	5 - 10 feet	Sapling	Paper Birch	Low	5 - 10 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																																				
Red Maple	5	Sapling	2																																																																					
Paper Birch	10	Sapling	2																																																																					
White Pine	5	Log	12																																																																					
Jack Pine	65	Sapling	3	24																																																																				
Red Pine	10	Sapling	2																																																																					
Red Pine	5	Log/XLog	14																																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																					
Jack Pine	Medium	< 5 feet	Sapling																																																																					
Red Maple	Medium	Variable	Sapling																																																																					
Red Pine	Medium	5 - 10 feet	Sapling																																																																					
Paper Birch	Low	5 - 10 feet	Sapling																																																																					
29	330 - Low-Density Trees	Nonstocked	148.3	0	Immature	4222 - Natural Jack Pine	Some log and pole size red pine, jack pine and paper birch left in the stand. Pine and spruce is coming back nicely. Small lower areas throughout. Stand was harvested as sale #42-020-14-01, Lotsa Robins Jack Pine. Completed 12/08/2016. 10/22 regen check 600 tpa jack pine, birch, red maple, oak, red pine & white pine are all regenerating in the stand. 8/30/17 Scarification completed.																																																																	
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>>20 feet</td> <td>Log</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Log</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine		Low	>20 feet	Log	White Pine	Low	>20 feet	Log	Jack Pine	Medium	< 5 feet	Sapling	Jack Pine	Low	>20 feet	Pole	Paper Birch	Low	>20 feet	Pole	Black Spruce	Low	< 5 feet	Sapling	Paper Birch	Low	5 - 10 feet	Sapling	Red Pine	Low	< 5 feet	Sapling																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																																					
Red Pine	Low	>20 feet	Log																																																																					
White Pine	Low	>20 feet	Log																																																																					
Jack Pine	Medium	< 5 feet	Sapling																																																																					
Jack Pine	Low	>20 feet	Pole																																																																					
Paper Birch	Low	>20 feet	Pole																																																																					
Black Spruce	Low	< 5 feet	Sapling																																																																					
Paper Birch	Low	5 - 10 feet	Sapling																																																																					
Red Pine	Low	< 5 feet	Sapling																																																																					
30	42220 - Natural Jack Pine	Sapling Well	26.3	24	1-50	N/A	Young jack pine with a mix of other species (red pine, white birch, red maple, spruce). Some open areas. Residual overstory of red pine. Numerous small lower areas. Stand harvested as sale #43-94, completed in summer 1995. Scarified in 1998 on FTP #42-382. Some willow around low areas.																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>8</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>60</td> <td>Sapling</td> <td>4</td> <td>24</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	15	Log	12		Paper Birch	5	Pole	5		Black Spruce	2	Sapling	4		Red Pine	5	Log	12		Red Pine	8	Sapling	4		Jack Pine	60	Sapling	4	24	Red Maple	5	Sapling	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Willow spp.</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Low	Variable	Sapling	Red Maple	Low	5 - 10 feet	Sapling	Willow spp.	Low	< 5 feet	Tall Shrub	Black Spruce	Low	< 5 feet	Sapling	Red Pine	Medium	Variable	Sapling	Jack Pine	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																																				
White Pine	15	Log	12																																																																					
Paper Birch	5	Pole	5																																																																					
Black Spruce	2	Sapling	4																																																																					
Red Pine	5	Log	12																																																																					
Red Pine	8	Sapling	4																																																																					
Jack Pine	60	Sapling	4	24																																																																				
Red Maple	5	Sapling	4																																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																					
Tamarack	Low	Variable	Sapling																																																																					
Red Maple	Low	5 - 10 feet	Sapling																																																																					
Willow spp.	Low	< 5 feet	Tall Shrub																																																																					
Black Spruce	Low	< 5 feet	Sapling																																																																					
Red Pine	Medium	Variable	Sapling																																																																					
Jack Pine	Medium	Variable	Sapling																																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

31	42290 - Natural Mixed Pine	Poletimber Well	16.7	79	171-200	N/A	Mixed stand of white pine, red maple, spruce, jack pine. BA over 200 in some areas.
-----------	----------------------------	-----------------	------	----	---------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	15	Log	15		Paper Birch	Low	>20 feet	Pole
Red Maple	10	Pole	8		White Spruce	Low	Variable	Sapling
Jack Pine	5	Pole	8		White Pine	Low	Variable	Sapling
White Spruce	30	Pole	9		Balsam Fir	Medium	Variable	Sapling
White Pine	40	Log/Pole	12	79	Red Maple	Medium	10 - 20 feet	Sapling

32	6225 - Bog	Nonstocked	2.1	0		No	Road runs along east side of bog.
-----------	------------	------------	-----	---	--	----	-----------------------------------