

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42013

Entry Year: 2027

Acreage: 1,899

County: Luce

Management Area: Grand Marais Moraine Complex

Stand Examiner: Amy Livermore

Legal Description:

T49N R12W Section 13 and T49N R11W Section(s) 16-18

Identified Planning Goals:

To maintain and enhance forest health and diversity while incorporating recreational, wildlife, fire, and any additional special concerns.

Soil and topography:

Rolling uplands of Rubicon sand with steep hills on the west end, and another ridgeline angling across the middle of section(s) 16, 17.

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

State-owned lands surround the compartment.

Unique Natural Features:

MNFI has identified the potential for goshawk, red-shouldered hawk, eagle, and osprey. Potential for moose and wolf. Potential for pine drops or false violet in pines. Auricled twayblade to NW. American dune wild-rye to NE. Black crowberry to N.

Archeological, Historical, and Cultural Features:

None known at this time, although old logging grade remnants can be found throughout area.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Fisheries Values: None

Fisheries Concerns: This compartment contains no lakes or streams that would contain any fish communities.

Wildlife Habitat Considerations:

Compartment 13 lies in the far northern portion of Luce county and is in the Grand Marais Moraine Complex Management Area. The vegetation is primarily red, white, and jack pine with a few stands of aspen, birch and oak scattered throughout the compartment. Stands have decent diversity of tree species. In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural diversity as possible in managed stands will be important to achieving wildlife objectives. For example, retaining soft and hard mast producing species will provide food sources, nest and den trees, and improve stand diversity. Maintaining habitat connectivity between stands of mature timber will be important for marten and other species. Wildlife species potentially using this compartment include white-tailed deer, black bear, spruce grouse, ruffed grouse, snowshoe hare, gray wolves, coyote and fox. Featured species include Blackburnian warbler, black throated blue warbler, American marten, Kirtland's warbler, red crossbill, spruce grouse, ruffed grouse and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Sections 16 – 18 & 21, T49N-R11W, Luce County.

Surface sediments consist of lacustrine sand and gravel. There is insufficient data to determine the glacial drift thickness.

The Cambrian Munising Group and Precambrian Jacobsville Sandstone subcrop below the glacial drift. The Jacobsville has been used as a building stone in the past. Gravel pits are not located in the area, but there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access:

From Newberry, follow M-123 north to Co Rd 407. Follow Co Rd 407 ~ 19 miles north to Co Rd 410. Go west on Co Rd 410 for ~ 3.5 miles to N/S fire lane which will lead you into the SE corner of the compartment. Interior compartment roads are mainly poor sand two-tracks.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Pine Ridge ORV trail runs throughout the compartment. Blueberry picking in the late summer, deer hunting.

Fire Protection:

Fire lane road breaks are in place along section lines. The compartment is a part of the Two Hearted Zone Dispatch area. Very large fire runs are not expected because of the many stands of different conifer species, age classes and densities. Mostly dry sandy soils over much of the area should allow normal fire suppression efforts to be successful.

Additional Compartment Information:

None

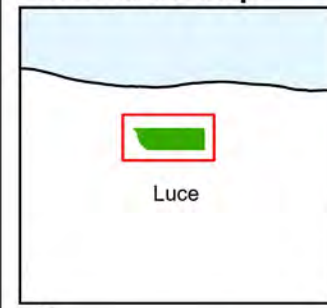
The following reports from the Inventory are attached:

- 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**

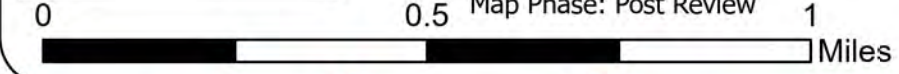
The following information is displayed, where pertinent, on the attached compartment maps:

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

Cover Type & Treatments Map

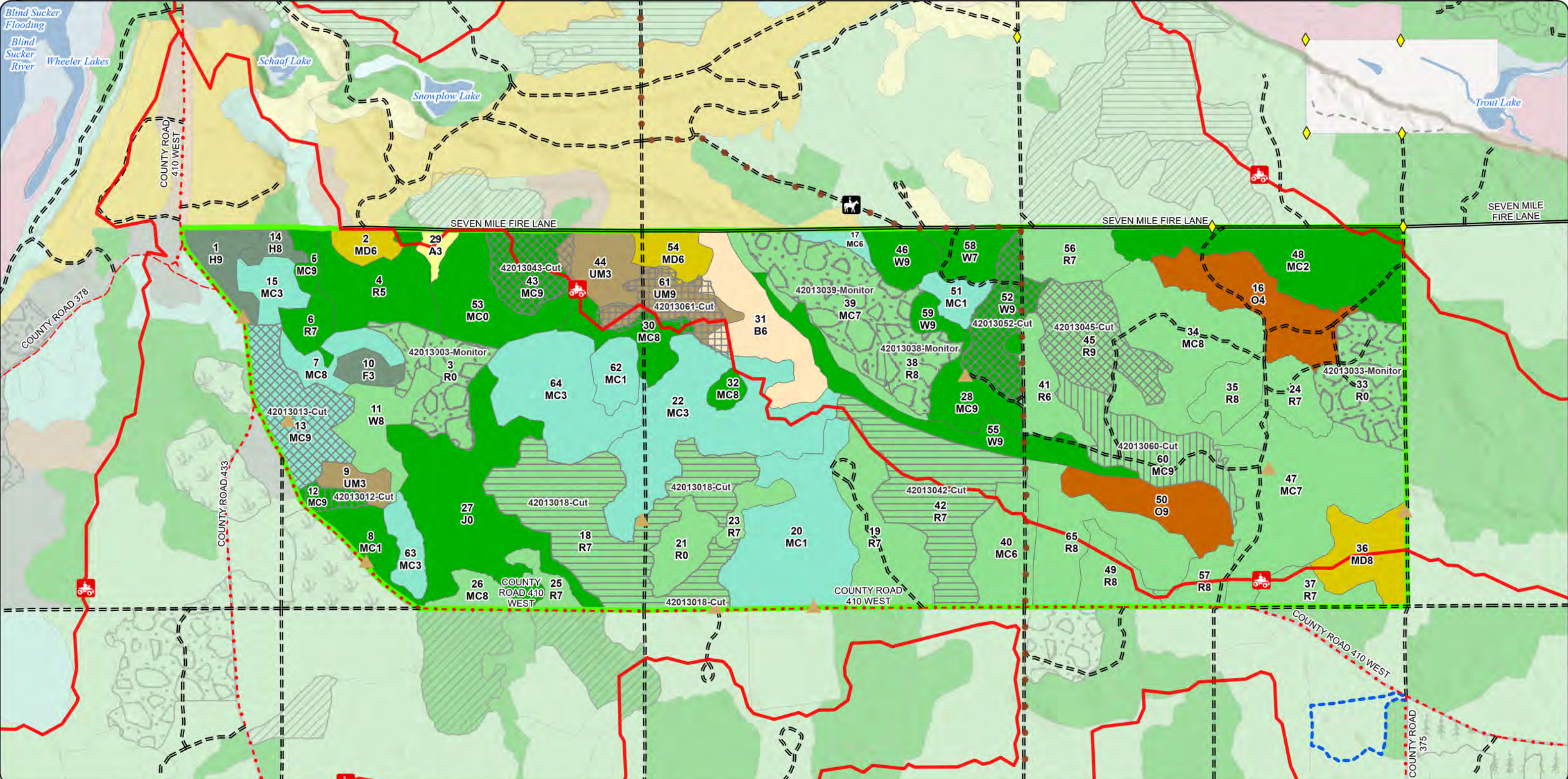


Compartment: 42013
 T49N R11W Sec. 16-18
 T49N R12W Sec. 13
 County: Luce
 Unit: Newberry
 Mgmt. Area: Grand Marais Moraine Complex
 YOE: 2027
 Acres: 1,899 GIS Calculated
 Examiner: Amy Livermore
 Date Exported: 02/23/2026
 Map Phase: Post Review



- ◆ Survey Grade Corners
- County - Dirt Road (Seasonal)
- ▨ Selection
- ▲ Berm Berm
- - - Private - Dirt / Gravel Road
- ▩ Seed Tree
- Designated Equestrian Trails
- Streams
- ▨ Shelterwood
- Designated ATV Trails
- Lakes and Rivers
- ☐ Monitoring - Regeneration
- DNR - Secondary Forest Road
- ▭ Compartment Boundary
- 412 - Oak Types
- DNR - Forest Access Route
- ▭ Treatments with Site Conditions
- 413 - Aspen
- · - · - County - Gravel Road
- ▭ Clearcut
- 414 - Other Upland Deciduous

- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 13 Year of Entry 2027

Amy Livermore: Examiner

Age Class

	<i>Non-Forest</i>	<i>0-9</i>	<i>10-19</i>	<i>20-29</i>	<i>30-39</i>	<i>40-49</i>	<i>50-59</i>	<i>60-69</i>	<i>70-79</i>	<i>80-89</i>	<i>90-99</i>	<i>100-109</i>	<i>110-119</i>	<i>120-129</i>	<i>130-139</i>	<i>140-149</i>	<i>150+</i>	<i>Unseen-Aged</i>	<i>Total</i>
Aspen	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	23
Jack Pine	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87
Mixed Upland Deciduous	0	0	0	0	0	9	14	0	0	0	30	0	0	0	0	0	0	0	53
Natural Mixed Pines	36	84	0	0	0	0	5	0	0	39	31	6	0	0	0	0	0	0	200
Oak	0	0	0	0	0	0	0	0	44	0	31	0	0	0	0	0	0	0	75
Paper Birch	0	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	39
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	305	0	0	0	0	0	0	0	305
Red Pine	90	0	0	0	0	0	0	0	0	102	387	0	0	0	0	0	0	23	602
Upland Conifers	0	107	73	0	27	5	54	0	0	41	16	0	0	0	0	0	0	0	322
Upland Mixed Forest	0	0	0	9	0	0	23	0	0	0	20	0	0	0	0	0	0	0	52
Upland Spruce/Fir	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	25	0	0	102	0	0	0	0	0	127
Total	213	196	73	17	27	53	96	0	44	207	820	6	102	0	0	0	24	23	1898

Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 13
Total Compartment Acres: 1,899

Commercial Harvest - 2738
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	Oversory Removal	Salvage	Other	Total Acres
Natural Mixed Pines	0	27	0	0	6	0	0	0	0	33
Planted Mixed Pines	0	0	0	0	39	0	0	0	0	39
Red Pine	171	41	0	0	0	0	0	0	0	212
Upland Conifers	0	41	0	0	0	0	0	0	0	41
Upland Mixed Forest	0	0	0	26	0	0	0	0	0	26
White Pine	0	29	0	0	0	0	0	0	0	29
Total	171	137	0	26	45	0	0	0	0	379

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	379	0	0	0	0	0	144	0	0	523
Next Step	0	444	514	0	0	725	550	0	0	2404
Total	379	444	514	0	0	725	694	0	0	2927

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

3	42013003-Monitor	31.3	4211 - Planted Red Pine	0	4	Immature	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine	No	
<p><u>Prescription</u> 3rd year</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> RP</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
12	42013012-Cut	6.1	42290 - Natural Mixed Pine	9	101	111-140	Harvest	Shelterwood	42290 - Natural Mixed Pine	Cutting Record	No
<p><u>Prescription</u> Thin to 60 BA. Cut all merchantable jack pine. Retain oak and a component of paper birch. Leave high quality red and white pine for a seed source. Make sure to space out leave trees to allow for scarification post harvest.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine, white pine, jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
13	42013013-Cut	40.5	429 - Mixed Upland Conifers	9	82	81-110	Harvest	Selection	6131 - Hemlock, White Pine, Maple, Birch	Current	No
<p><u>Prescription</u> Retain 50-60 ft2 basal area of white pine, hemlock and quality red maple. Retain hemlock unless needed for maneuverability. Leave 1 to 2 large birch per acre. Harvest spruce, balsam and beech.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> hemlock, white pine, red maple, paper birch</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18 42013018-Cut	102.1	42110 - Planted Red Pine	7	89	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Harvest all species present. Pocket retention 3-5% strategically placed to facilitate cultivation operations. Leave non-red pine in the red line</p> <p><u>Specs:</u> for wildlife benefit.</p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Trenched Plant;</p> <p><u>Treatments:</u> Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; Planting, Interplant</p> <p><u>Acceptable</u> Planted red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
33 42013033-Monitor	40.5	4211 - Planted Red Pine	0	3	Immature	Monitoring	Monitoring - Regeneration	42110 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Release</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine with a mix of jack pine and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										
38 42013038-Monitor	20.0	42110 - Planted Red Pine	8	95	1-50	Monitoring	Monitoring - Regeneration	42290 - Natural Mixed Pine	Cutting Record	No
<p><u>Prescription</u> monitor for success of scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed red and jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
39 42013039-Monitor	52.5	42140 - Planted Mixed Pine	7	95	1-50	Monitoring	Monitoring - Regeneration	42260 - Natural Pine, Mixed Deciduous	Cutting Record	No
<p><u>Prescription</u> Monitor for scarification success.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any mix of red and jack pine if natural regen falls plant to red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
42 42013042-Cut	69.1	42111 - Planted Red Pine, Mixed Deciduous	7	95	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Harvest all species present. Pocket retention 3-5% strategically placed for cultivation operations. Leave non-red pine in the boundary to benefit wildlife.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; <u>Treatments:</u> Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; Planting, Interplant</p> <p><u>Acceptable</u> Planted red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
43 42013043-Cut	26.5	42290 - Natural Mixed Pine	9	96	111-140	Harvest	Selection	42290 - Natural Mixed Pine	Planting Record	No
<p><u>Prescription</u> Harvest all jack pine and aspen. Harvest birch but leave 1 mature birch per acre and retain a component of white pine over 20 inches. Target red and white pine for harvest. Target residual basal area range is 40 - 80, average of 60.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine, white pine, jack pine, aspen, birch, red maple</p> <p><u>Regen:</u></p> <p><u>Other</u> Natural pine guidance: expanding gap variant.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/29/2025</p>										
45 42013045-Cut	40.9	42110 - Planted Red Pine	9	95	81-110	Harvest	Selection	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand to 60-70 BA. Leave 1 log sized oak per 2 acres where possible. Open up 1 tree length around large oak, even if the BA falls below 60. Cut all other oak to promote regeneration and mitigate the impending threat of oak wilt. Retain a component</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine, white pine, red oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Long term objective of natural pine.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
52 42013052-Cut	28.9	42200 - Natural White Pine	9	110	51-80	Harvest	Selection	4220 - Natural White Pine	Cutting Record	No
<p><u>Prescription</u> Cut 1 gap every two acres (approx. 15 gaps). Gaps should vary in size from 50-100' diameter. Gaps should be placed to release advanced regeneration and allow new seedlings to sprout. Retain white pine greater than 24 inches and all oak. Target residual ba</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine, white pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Take care not to damage advanced regeneration when possible. Wildlife to monitor old hawk nest within stand for activity (see 3L</p> <p><u>Comment:</u> SC).Natural pine guidance: Continuous Cover</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
60 42013060-Cut	39.0	42141 - Planted Mixed Pine, Mixed Deciduous	9	95	51-80	Harvest	Shelterwood	42141 - Planted Mixed Pine, Mixed Deciduous	Cutting Record	No
<u>Prescription</u> Cut all jack pine. Cut all deciduous species. Leave 20-30 BA of a combination of white pine, red pine and red oak. Be sure to leave large, mast producing oak as residuals. Open up at least one tree length around residual oak, even if the BA drops below 20										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> red pine, white pine, jack pine, paper birch, red oak										
<u>Regen:</u>										
<u>Other</u> Long term overtype objective: Natural white pine										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
61 42013061-Cut	25.6	4319 - Mixed Upland Forest	9	96	81-110	Harvest	Seed Tree	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Cut all merchantable red maple, aspen, paper birch, spruce and jack pine. Thin the rest to 10-20. Do not cut hemlock. Leave one birch per acre. Leave white pine greater than 20 inches.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> paper birch, white pine, red pine, jack pine, red maple, hemlock, aspen, spruce										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/29/2025										

Total Treatment 523
Acreage Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore: Examiner

Compartment: 13
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		5C	2F	3L
5	5	0	0	Aspen			
19	17	0	2	Hemlock		2	
87	87	0	0	Jack Pine			
52	53	0	0	Mixed Upland Deciduous			
201	195	0	6	Natural Mixed Pines		6	
75	44	31	0	Oak	31		
39	39	0	0	Paper Birch			
251	241	0	10	Planted Mixed Pines			10
602	602	0	0	Red Pine			
322	322	0	0	Upland Conifers			
52	52	0	0	Upland Mixed Forest			
8	8	0	0	Upland Spruce/Fir			
116	93	0	23	White Pine		23	
1,830	1,758	31	40	Total Forested Acres	31	31	10
	96%	2%	2%	Relative Percent			

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore: Examiner

Compartment: 13
Year of Entry: 2027

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2027 YOE treatment proposed and rejected at that time.							
9	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand harvested last rotation, stand in the process of regenerating							
12	Unavailable	3L: Other wildlife concerns	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hawk Nest with buffer found in 2010							
16	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: reserved for travel corridor and habitat connectivity							
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	5E: Long-Term Retention	3	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
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Comments

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
1	42350 - Upland Hemlock	Sawtimber Well	17.4	189	1-50	N/A	stand cut at part of "Seven Mile Birch 012-89" sale regenerating well to a mixed stand mostly RM and BF																																																							
<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>20</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>80</td> <td>Log/Pole/XLog</td> <td>14</td> <td>189</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	XLog/Log	18		Hemlock	80	Log/Pole/XLog	14	189	<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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	White Pine	Low	Variable	Variable	Red Maple	High	Variable	Variable	Paper Birch	Low	Variable	Variable																								
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	20	XLog/Log	18																																																											
Hemlock	80	Log/Pole/XLog	14	189																																																										
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2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.0	48	1-50	N/A	Stand Cut in 1987 regenerated to a mixed stand mostly RM, BF, and PB																																																							
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3	4211 - Planted Red Pine	Unspecified	31.3	4	Immature		10/1/2025 Artificial regen survey by FRS, RP 787 TPA. replant went well, good survival.5/17/2025 Replant 223 trees per acre779 total trees per acre, nice site wide trenches.2024 Artificial Regen Linear Survey Report:Forest Resource Services SPP: RPPlanted TPA: 799Survived TPA: 608% mortality: 24Height: 1.3 Notes: high mortality- replantScheduled for replant. First year regeneration survey: RP 767 TPA at 98% FTG.Site planted with 791 TPA red pine on 5/10/2022.Trenched in summer 2019. Site prep sprayed on 8/31/21. To be planted to red pine in spring 2021. FTP 42-928.2019: Clearcut in 2018 as part of Mini Godzilla, #010-17. One tree/acre left as retention. Regen 2014: Red pine 46 TPA, jack pine 28 TPA, white pine 356 TPA.Regen 2013: Red pine 685 TPA, aspen 201 TPA, white pine 604 TPA, jack pine 201 TPA. Not stocked in unit 3.																																																							
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4	42210 - Natural Red Pine	Poletimber Medium	37.1	94	51-80	N/A	cut as part of "Section 18 Pine 034-07"Regen 2014: Red pine 46 TPA, jack pine 28 TPA, white pine 356 TPA.Regen 2013: Red pine 685 TPA, aspen 201 TPA, white pine 604 TPA, jack pine 201 TPA. Fully stocked in units 1 and 2.																																																							
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5	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	6.2	95	111-140	N/A	steep slope not harvested when adjacent stand were harvested																																																							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	42100 - Planted White Pine	Sawtimber Medium	24.8	86	51-80	N/A	Casper Sale 029-97
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	70	Log/Pole/XLog	15	86	White Pine	Medium	Variable	Variable
Red Pine	10	Log/Pole/XLog	13		Balsam Fir	High	Variable	Variable
Hemlock	20	Log/XLog/Pole	17		Red Maple	Medium	Variable	Variable
					Paper Birch	Low	Variable	Variable
					Hemlock	Low	Variable	Variable

12	42290 - Natural Mixed Pine	Sawtimber Well	6.1	101	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Pole	6		Balsam Fir	Medium	Variable	Variable
White Pine	20	Pole/Log	9		White Pine	Low	Variable	Variable
Red Pine	57	Log/Pole	13	101	Red Maple	Low	Variable	Variable
Jack Pine	20	Log/Pole	11					

13	429 - Mixed Upland Conifers	Sawtimber Well	40.5	82	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Beech	Low	Variable	Variable
Beech	3	Pole/Log	9		Hemlock	High	Variable	Variable
Paper Birch	15	Pole	6		Balsam Fir	Medium	Variable	Variable
Balsam Fir	10	Pole	7					
Black Spruce	2	Log/Pole	12					
White Pine	20	Log/Pole	10					
Hemlock	35	Log/Pole	11	82				

14	42350 - Upland Hemlock	Sawtimber Medium	6.5	189		N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	7		Red Maple	Low	5 - 10 feet	5 - 10 feet
Beech	10	Log/XLog/Pole	16		Balsam Fir	High	5 - 10 feet	5 - 10 feet
Paper Birch	1	Pole	8		Hemlock	Low	Variable	Variable
Black Spruce	2	Pole/Log	9					
White Pine	2	Log/XLog	17					
Hemlock	70	Log/Pole/XLog	14	189				

15	429 - Mixed Upland Conifers	Sapling Well	13.8	35	Immature	N/A	Sale cut as part of "Seven Mile Birch 012-89"
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Sapling/Pole	4	
Beech	10	Sapling	2	
Balsam Fir	35	Sapling	4	35
White Pine	5	Sapling	3	
Hemlock	20	Pole/Sapling	6	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
16	4123 - Red Oak	Poletimber Poor	43.5	74	1-50	N/A	Stand harvested in 2020 via Overstory removal: East Side Pine - 42-014-17. Stand harvested as part of "Big Corner JP 044-97" Previous inventory planting date on red pine was 1931.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		90	Pole/Log	9	74	Red Maple		Trace	Variable	Variable
Red Pine		10	Log/Pole	11	95	Red Oak		High	5 - 10 feet	5 - 10 feet
						Jack Pine		High	5 - 10 feet	5 - 10 feet
						Red Pine	Medium	Variable	Variable	
17	429 - Mixed Upland Conifers	Poletimber Well	5.4	48	1-50	N/A	Small stand just coming into pole size. Large log white pine scattered on middle and west side.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		3	Sapling	3						
Yellow Birch		1	Sapling	4						
Paper Birch		15	Pole	6						
Quaking Aspen		15	Pole/Sapling	6						
Balsam Fir		35	Pole	6	48					
White Pine		4	Sapling/Pole	4						
White Pine		5	Log	14						
Red Pine		2	Sapling/Pole	3						
Hemlock		20	Sapling/Pole	4						
18	42110 - Planted Red Pine	Sawtimber Poor	102.1	89	51-80	N/A	Regen 2013: Red pine 570 TPA. Landing had tons of regen. Regen 2014: Jack pine 45 TPA, white pine 456 TPA, red pine 45 TPA. Logging Grade Pine 047-07			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Pole	6		Quaking Aspen		Medium	< 5 feet	< 5 feet
White Pine		28	Log/XLog/Pole	14		White Pine		Low	Variable	Variable
Red Pine		70	Log/Pole/XLog	12	89	Black Spruce		Low	Variable	Variable
						Balsam Fir		Low	< 5 feet	< 5 feet
						Red Maple		Medium	< 5 feet	< 5 feet
19	42110 - Planted Red Pine	Sawtimber Poor	43.8	95	1-50	N/A	Overstory removal cut in 2018 as part of South Bluff Pine, #012-17. Advanced regeneration present. Left approx. 10 BA of red pine and all oak. Excellent red pine regen			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak		5	Pole/Log	8		Red Pine	Medium	< 5 feet	< 5 feet	
Paper Birch		1	Pole	6		Jack Pine	Medium	5 - 10 feet	5 - 10 feet	
Red Pine		94	Log/Pole	12	95					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20	429 - Mixed Upland Conifers	Sapling Poor	72.7	18	1-50	N/A	Regen 2013: Jack pine 776 TPA. Fully stocked. Regen 2014: Jack pine 292 TPA and white pine 127 TPA. Logging Grade Jack Pine 046-07
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		1	Sapling	1			
Paper Birch		2	Sapling/Pole	3			
Quaking Aspen		11	Sapling	1			
Bigtooth Aspen		25	Sapling	2			
Black Spruce		5	Sapling	1			
White Pine		1	Sapling	1			
Red Pine		10	Log/Pole	11	95		
Jack Pine		45	Sapling	1	18		

21	4211 - Planted Red Pine	Unspecified	17.7	4	Immature		2024 Artificial Regen Linear Survey Report: Forest Resource Services SPP: RPPlanted TPA: 823 Survived TPA: 667% mortality: 19% free to grow: 89 Height: 1.1 Notes: high mortality-replant First year regeneration survey: RP 7301 TPA at 97% FTG. Site planted with 771 TPA of red pine on 5/9/2022. Site prep sprayed 8/17/21. 10/2019: Trenched in summer 2019. To be planted to RP in spring 2021. Final harvested in 2018, Kissing Cousins (#011-17), leaving approx. 1 tree/acre. FTP 42-930 for trench and plant to red pine. Regen 2014: Jack pine 45 TPA, white pine 456 TPA, red pine 45 TPA. Thinned with Logging Grade Pine 047-07
Sub-Canopy Species		Density	Avg. Height	Size			
Red Pine		High	< 5 feet	< 5 feet			

22	429 - Mixed Upland Conifers	Sapling Well	85.1	8	Immature	N/A	Final harvested in 2018, Kissing Cousins (#011-17). Southern half of the stand was originally planted in 1931
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	1			
Beech		5	Sapling	1			
Red Oak		5	Pole	8			
Paper Birch		15	Sapling	1			
Balsam Fir		25	Sapling	1	8		
White Spruce		25	Sapling	1	8		
White Pine		10	Sapling	1			
Red Pine		3	Sapling	1			
Hemlock		2	Pole	7			

23	42110 - Planted Red Pine	Sawtimber Poor	8.9	95	1-50	N/A	Seed Tree harvested in 2018, Kissing Cousins (#011-17). FTP 42-929 for scarification to promote mixed pine where aspen isn't dominate. Regen 2014: Jack pine 45 TPA, red pine 45 TPA, white pine 456 TPA.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		25	Log	14			
Red Pine		75	Log	12	95		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		High	5 - 10 feet	5 - 10 feet			
Balsam Fir		Low	5 - 10 feet	5 - 10 feet			
Red Pine		Low	>20 feet	>20 feet			
White Pine		Medium	5 - 10 feet	5 - 10 feet			
Black Spruce		Low	Variable	Variable			
Aspen (spp.)		Low	Variable	Variable			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
24	42110 - Planted Red Pine	Sawtimber Poor	15.9	95	1-50	N/A	Stand harvested in 2020 via Overstory removal: East Side Pine - 42-014-17. Stand harvested as part of "Big Corner JP 044-97"																																											
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25	42110 - Planted Red Pine	Sawtimber Poor	8.5	90	1-50	N/A	Seed tree harvested in 2018 as part of Mini Godzilla, #010-17. 10-20 BA of pine retained. To be scarified in 2019 under FTP 42-927. Scarified 2019. Regen Check 10/1/21																																											
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Black Spruce	Low	5 - 10 feet	5 - 10 feet																																															
28	42290 - Natural Mixed Pine	Sawtimber Well	19.9	82	81-110	N/A	Split from stand 51. This is un treated southern portion.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29	4133 - Aspen, Mixed Pine	Sapling Well	4.8	8	1-50	N/A	Seed tree harvested in 2018 as part of Mini Godzilla, #010-17. To be scarified in 2019 under FTP 42-927.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	2	
Quaking Aspen	40	Sapling	2	8
White Pine	10	Sapling	2	
White Pine	5	Log	13	
Red Pine	20	Log	12	82

30	42290 - Natural Mixed Pine	Sawtimber Medium	19.3	81	1-50	N/A	mixed stand more red pine to east, white pine to south appears to have been harvested, regen coming in under over story pine
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Log/Pole	11	81	Balsam Fir	Low	< 5 feet	< 5 feet
Red Pine	30	Log/Pole	11		White Pine	Medium	Variable	Variable
Jack Pine	30	Pole/Log	8	81				

31	4140 - Other Upland Deciduous	Poletimber Well	39.2	48	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	6		Balsam Fir	Medium	Variable	Variable
Beech	5	Sapling	2		Hemlock	Medium	Variable	Variable
Paper Birch	70	Pole/Sapling	5	48				
Balsam Fir	10	Pole/Sapling	6					
White Pine	8	Pole/Sap/Log	8					
Hemlock	5	Log/Pole	10					

32	42290 - Natural Mixed Pine	Sawtimber Medium	4.9	50	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole/Log	8		Black Spruce	Medium	Variable	Variable
Black Spruce	30	Pole/Sapling	5		White Pine	High	Variable	Variable
White Pine	45	Log/Pole/XLog	11	50				
Red Pine	15	Log/Pole	12					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
33	4211 - Planted Red Pine	Unspecified	40.5	3	Immature		2024 Artificial Regen Linear Survey Report:Forest Resource Services SPP: RPPlanted TPA: 832Survived TPA: 798% mortality: 4% free to grow: 96Height: .5Notes: site is nuked, some oak regenStand planted to red pine via initial plant on 5/2/24 to 934 TPA. Average spacing of 8.6 feet. Site was site prep sprayed via Skidder on 8/31/2023. Site was trenched in summer of 2022.Stand harvested in 2020 via Clearcut with Retention: East Side Pine - 42-014-17.Post compartment review change approved: This portion of the site after harvest of the previously larger stand will keep the original management objective of planted red pine along with the currently prescribed next step treatments. It is being proposed that skidder and aerial spraying for site prep and release be added to the list of potential next steps for this stand.Stand has been harvested as part of sale "Big Corner JP 044-97" and as part of "Big Corner Pine Revisit 036-07". Do regen checkRegen 2015: Jack pine 33 TPA, Red pine 123 TPA, white pine 132 TPA, oak 1155 TPA. Surveyed with stand 34 and 35.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Oak	Low	Variable	Variable	
								Red Pine	Full	< 5 feet	< 5 feet	
34	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Medium	72.8	95	51-80	N/A	stand harvested as part of "Big Corner Pine Revisit 036-07"Regen 2015: Jack pine 33 TPA, Red pine 123 TPA, white pine 132 TPA, oak 1155 TPA. Surveyed with stand 33 and 35.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Oak	35	Log/Pole	10	
								Paper Birch	5	Pole	9	
								White Pine	5	Log/Pole	10	
Red Pine	55	Log/Pole	10	95								
Sub-Canopy Species	Density	Avg. Height	Size									
Red Pine	Low	< 5 feet	< 5 feet									
Red Oak	Low	< 5 feet	< 5 feet									
Red Maple	Medium	< 5 feet	< 5 feet									
White Pine	Low	< 5 feet	< 5 feet									
35	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	15.3	95	51-80	N/A	Regen 2015: Jack pine 33 TPA, Red pine 123 TPA, white pine 132 TPA, oak 1155 TPA. Surveyed with stand 33 and 34.Cut as part of Big Corner Pine Revisit 42-07 in 2010					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Oak	15	Pole/Log	8	
								Paper Birch	5	Pole	8	
								White Pine	5	Log/Pole	12	
Red Pine	75	Log/Pole	12	95								
Sub-Canopy Species	Density	Avg. Height	Size									
Red Oak	Medium	< 5 feet	< 5 feet									
White Spruce	Low	Variable	Variable									
Red Pine	Low	< 5 feet	< 5 feet									
Red Maple	Low	< 5 feet	< 5 feet									
White Pine	Low	Variable	Variable									
Jack Pine	Medium	5 - 10 feet	5 - 10 feet									
36	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	29.6	96	1-50	N/A	Cut as part of Cement Monument Jack Pine 35-07Stand originally planted in 1930					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	3	Pole	6	
								Red Oak	50	Log/Pole	11	96
								Paper Birch	10	Pole	7	
White Pine	5	Pole/Log/Sap	9									
Red Pine	32	Log/Pole	12	96								
Sub-Canopy Species	Density	Avg. Height	Size									
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Red Oak	Low	< 5 feet	< 5 feet									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
37	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Poor	15.0	96	1-50	N/A	Regeneration Check: 10/18/2019 - Planted JP 750 TPA, Volunteer JP 75 TPA. Passed. Some diversity in regeneration w/ association of RO and RM. Regen Survey: Fall of 2021 - 436 TPA Jack Pine. 6/9/19 Stocking = Planted 1339 trees/ac. 1117 trees/ac plot data, 952 trees/ac linear data. Total cost = \$259.55/ac Majority of stand (11.2 acres) were trenched on 6/13/18. Trenched around residual standing trees. Planting to jack pine to be completed next spring. FTP C42-913. Stand updated to 2 aged stand with MO of planted JP.																																													
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38	42110 - Planted Red Pine	Sawtimber Medium	20.0	95	1-50	N/A	Scarify completed 8/2024 Stand harvested 2019 SOS Pine 013-17 Stand harvested as part of sale "Compartment 13 Mix 037-07" Regen 2015: Red pine 25 TPA, jack pine 25 TPA, white pine 126 TPA, beech 152 TPA. Surveyed with stand 59.																																													
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39	42140 - Planted Mixed Pine	Sawtimber Poor	62.9	95	1-50	N/A	Scarify completed 8/2024 Stand was harvested in late fall 2021 as part of SOS Pine (42-013-22). Red and white pine was thinned to 20BA, all oak and hemlock was left for seed, retention, and wildlife.																																													
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41	42110 - Planted Red Pine	Poletimber Well	20.1	95	51-80	N/A	Stand harvested as part of sale " Nest Tree Pine 033-07" Regen 2014: Red pine 61 TPA, white pine 611 TPA.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Poor 69.1 95 1-50 N/A

Scarified 2019 Seed tree harvested in 2018 as part of South Bluff Pine, #012-17. FTP 42-931. Approx. 20 BA RP and 25 BA oak left as residual, with some WP. Great oak regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	35	Pole/Log/Sap	9		Red Pine	Medium	Variable	Variable
White Pine	5	Pole/Log/Sap	9		Red Oak	High	Variable	Variable
Red Pine	60	Log	13	95				

43 42290 - Natural Mixed Pine Sawtimber Well 24.3 96 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		White Pine	Medium	Variable	Variable
Paper Birch	10	Pole	7		Balsam Fir	Low	Variable	Variable
Quaking Aspen	10	Pole	9		Red Pine	Low	Variable	Variable
White Pine	10	Log/Pole	12					
Red Pine	55	Log/Pole/XLog	12	96				
Jack Pine	10	Log/Pole	11					

44 4319 - Mixed Upland Forest Sapling Well 23.1 51 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
Beech	2	Sapling	1	
Paper Birch	30	Pole/Sapling	5	51
Balsam Fir	30	Sapling	3	
Black Spruce	5	Sapling	2	
White Pine	3	Sapling	2	
White Pine	20	Log/XLog	17	

45 42110 - Planted Red Pine Sawtimber Well 40.9 95 81-110 N/A

Long term covertime objective is natural (red) pine after subsequent treatments phase out the planted pine within the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log/Pole	12		White Pine	Medium	< 5 feet	< 5 feet
Red Pine	95	Log/Pole	11	95	Red Oak	Medium	Variable	Variable

46 42200 - Natural White Pine Sawtimber Well 15.5 111 51-80 N/A

cut as part of "Seven Mile Airport 045-91"

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	2	Log/Pole	11		Red Maple	Medium	Variable	Variable
Balsam Fir	1	Pole	7		Quaking Aspen	Medium	>20 feet	>20 feet
Black Spruce	2	Pole	8		Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Pine	90	Log/Pole/XLog	16	111	Black Spruce	Medium	Variable	Variable
Red Pine	5	Log/XLog	17		White Pine	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 42141 - Planted Mixed Pine, Mixed Deciduous Sawtimber Poor 88.9 95 1-50 N/A Stand harvested via Seed tree with Retention: East Side Pine - 42-014-17. Stand was scarified to promote natural pine and oak regen in summer of 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	30	Pole/Log	8		Red Oak	Medium	Variable	Variable
White Pine	15	Log/Pole/XLog	12		White Pine	High	Variable	Variable
Red Pine	55	Log/Pole	11	95				

48 42290 - Natural Mixed Pine Sapling Medium 68.3 6 1-50 N/A Stand harvested in 2020 via Overstory Removal: East Side Pine - 42-014-17. Stand harvested as part of "Big Corner JP 044-97"

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	
Red Oak	5	Log	12	
Red Oak	5	Sapling	1	
White Pine	10	Sapling	2	
Red Pine	20	Log	14	95
Red Pine	15	Sapling	2	
Jack Pine	40	Sapling	2	6

Old railroad grade present bisecting the site. ORV trail crosses the stand.
Many patches of thick rp regen 5-15'

49 42110 - Planted Red Pine Sawtimber Medium 18.4 95 1-50 N/A Cement Monument Jack Pine 035-07, completed 2010.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log/Pole	12		Jack Pine	Medium	< 5 feet	< 5 feet
Paper Birch	3	Pole	7		Red Maple	Low	< 5 feet	< 5 feet
White Pine	2	Log/Pole	11		Red Pine	Low	< 5 feet	< 5 feet
Red Pine	85	Log/Pole/XLog	14	95				

50 4122 - Oak, Pine Sawtimber Well 31.4 92 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	60	Log/Pole	10	92	White Pine	High	5 - 10 feet	5 - 10 feet
Paper Birch	5	Pole	7		Beech	High	Variable	Variable
White Pine	7	Log/Pole	11		Black Spruce	Low	5 - 10 feet	5 - 10 feet
Red Pine	23	Pole/Log	9					
Jack Pine	5	Log/Pole	12					

51 429 - Mixed Upland Conifers Sapling Poor 9.8 9 Immature N/A SOS Pine (42-013-17) completed fall 2021. All trees greater than 6" were harvested.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	
Red Oak	5	Sapling	3	
Paper Birch	5	Sapling	3	
Quaking Aspen	20	Sapling	2	
Black Spruce	10	Sapling	2	
White Pine	40	Sapling	3	9
Red Pine	15	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52	42200 - Natural White Pine	Sawtimber Well	30.3	110	51-80	N/A	Stand harvested as part of sale "Nest Tree Pine 033-07" Regen 2014: Red pine 61 TPA, white pine 611 TPA.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	90	Log/Pole/XLog	15	110
Red Pine	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	< 5 feet	< 5 feet
Quaking Aspen	Low	< 5 feet	< 5 feet
White Pine	High	< 5 feet	< 5 feet
Red Maple	Low	< 5 feet	< 5 feet
Balsam Fir	Low	< 5 feet	< 5 feet

53	42290 - Natural Mixed Pine	Unspecified	36.0	7	Immature		Clearcut in 2018 as part of Mini Godzilla, #010-17. To be scarified in 2019 under FTP 42-927.
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Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	< 5 feet	< 5 feet
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Red Pine	Trace	>20 feet	>20 feet
Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Low	< 5 feet	< 5 feet

54	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	13.9	51	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling/Pole	2	
Beech	20	Sapling/Pole	2	
Paper Birch	35	Pole/Sapling	5	51
Balsam Fir	10	Sapling/Pole	2	
Black Spruce	5	Pole/Sapling	6	
White Pine	3	XLog/Log	18	101
White Pine	12	Sapling	2	
Hemlock	10	Pole/Sap/Log	8	

55	42200 - Natural White Pine	Sawtimber Well	33.9	111	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	3	Pole/Log	8	
Paper Birch	5	Pole	5	
White Pine	77	Log/XLog/Pole	13	111
Red Pine	12	Log/XLog/Pole	13	
Hemlock	3	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Variable
White Pine	High	Variable	Variable
Beech	Medium	Variable	Variable
Black Spruce	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
56	42110 - Planted Red Pine	Sawtimber Poor	22.9	111	1-50	N/A	Stand was harvested as part of SOS Pine (42-013-17). Harvesting completed late fall 2021. Stand was thinned to release regeneration.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		1	Pole	7		Quaking Aspen	Low	Variable	Variable
Red Oak		2	Pole/Log	8		White Pine	High	Variable	Variable
Paper Birch		1	Pole	6		Red Oak	Low	< 5 feet	< 5 feet
White Pine		20	Log/Pole/XLog	17		Black Spruce	Low	5 - 10 feet	5 - 10 feet
Red Pine		76	Log/Pole/XLog	15	111	Red Maple	Medium	10 - 20 feet	10 - 20 feet
57	42110 - Planted Red Pine	Sawtimber Medium	12.7	95	51-80	N/A	Cement Monument Jack Pine 035-07, completed 2010regen check done 500 trees / ac of mixed wp, oak ,and jp in 2015 not acceptable stocking level, manage over story		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		10	Log/Pole	11		Red Oak	Low	Variable	Variable
White Pine		2	Pole/Log	8		White Pine	Low	Variable	Variable
Red Pine		88	Log/Pole/XLog	11	95				
58	42200 - Natural White Pine	Sawtimber Poor	16.1	110	1-50	N/A	Stand was harvested as part of SOS Pine (42-013-17). Harvesting was complete late fall 2021. Stand was marked to thin and remove poor quality large diameter trees. Stand harvested as part of 47-79A and again as part of 45-91 to advance understory that was present.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		90	Log/Pole/XLog	17	110	Red Maple	Medium	Variable	Variable
Red Pine		10	Log/Pole	12	45	Quaking Aspen	High	Variable	Variable
						White Pine	Medium	Variable	Variable
						Balsam Fir	Medium	Variable	Variable
59	42200 - Natural White Pine	Sawtimber Well	6.6	110	51-80	N/A	Stand harvested as part of sale " Nest Tree Pine 033-07" Regen 2014: Red pine 61 TPA, white pine 611 TPA.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		90	Log/Pole/XLog	15	110	Balsam Fir	Low	< 5 feet	< 5 feet
Red Pine		10	Log/Pole	12		Black Spruce	Medium	< 5 feet	< 5 feet
						Quaking Aspen	Low	< 5 feet	< 5 feet
						White Pine	High	< 5 feet	< 5 feet
						Red Maple	Low	< 5 feet	< 5 feet
60	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	39.0	95	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		20	Log/Pole	11		Red Pine	Low	Variable	Variable
Paper Birch		5	Pole	6		Red Maple	Low	< 5 feet	< 5 feet
White Pine		25	Log/XLog	14	95	Beech	Medium	Variable	Variable
White Pine		15	Pole	9	46	Red Oak	Low	< 5 feet	< 5 feet
Red Pine		25	Log/Pole	11		Black Spruce	Medium	Variable	Variable
Jack Pine		10	Pole/Log	8		White Pine	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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61	4319 - Mixed Upland Forest	Sawtimber Well	20.2	96	81-110	N/A	Uncut portion of stand 22.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Pole/Sapling	6		Balsam Fir	Medium	Variable	Variable
Paper Birch	35	Pole	7	96	Beech	Low	Variable	Variable
Quaking Aspen	5	Pole	7		White Pine	Medium	Variable	Variable
Black Spruce	5	Pole	7					
White Pine	29	Log/Pole/XLog	14	96				
Red Pine	7	Log/Pole	12					
Jack Pine	7	Pole/Log	8					
Hemlock	5	Log/Pole	11					

62	429 - Mixed Upland Conifers	Sapling Pool	13.0	36	1-50	N/A	stand burnt in 1991 regeneration looks good
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
Balsam Fir	5	Sapling	1	
Black Spruce	30	Sapling	2	36
White Pine	30	Sapling	2	
Red Pine	20	Sapling	2	
Jack Pine	5	Sapling	2	

63	429 - Mixed Upland Conifers	Sapling Well	11.8	8	1-50	N/A	Overstory removal harvest in 2018 as part of Mini Godzilla, #42-010-17, to release advanced regeneration. 10 pine/acre left standing.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	4	
Paper Birch	5	Sapling	4	
Balsam Fir	30	Sapling/Pole	4	8
White Pine	15	Sapling	4	
Red Pine	2	Sapling	3	
Red Pine	20	Log/Pole	11	70
Hemlock	8	Sapling	4	

64	429 - Mixed Upland Conifers	Sapling Well	54.4	51	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling/Pole	3		Balsam Fir	High	Variable	Variable
Beech	5	Sapling/Pole	4					
Paper Birch	30	Sapling/Pole	4	51				
Balsam Fir	15	Sapling/Pole	3					
Black Spruce	7	Sapling/Pole	4					
White Pine	20	Sapling	3					
White Pine	8	XLog	18					
Red Pine	5	Log/Pole/XLog	15					
Hemlock	5	Pole/Sapling	6					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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65 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Medium 50.5 95 1-50 N/A

2025 - Split off from stand to west due to higher BA. Scarified 2019 Seed tree harvested in 2018 as part of South Bluff Pine, #012-17. FTP 42-931. Approx. 20 BA RP and 25 BA oak left as residual, with some WP. Great oak regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	35	Pole/Log/Sap	9		Red Oak	High	Variable	Variable
White Pine	5	Pole/Log/Sap	9		Red Pine	Medium	Variable	Variable