



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42012

Entry Year 2026

Acreage: 2,005

County Luce

Management Area: Grand Marais Moraine Complex

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**Stand Examiner:** Matt Payment

## Legal Description:

T49N, R11W, Sec. 7-9; T49N, R12W, Sec. 12

## Identified Planning Goals:

Enhance age class diversity and forest health within the jack pine and red pine/white pine types through proper management, while providing for wildlife habitat and recreational opportunities.

## Soil and topography:

The majority of the compartment is comprised of Rubicon sand, with a dabbling of Croswell sand and Croswell-Au Gres sands on outwash plains. The little bit of poorly drained ground is comprised Kinross-Au Gres complex; Dawson, Greenwood, and Loxley soils; and Spot peat on depressions and bogs. The topography is flat to rolling with steep east-west escarpments. The southwestern portion of the compartment has the most relief including many steep slopes, gullies and depressions.

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

With the exception of a private 40 on the eastern edge of Section 9 and another directly to the east in Section 10 of neighboring Compartment 17, Compartment 12 lies within a large block of state-owned land. It is situated between Muskallonge Lake and the Blind Sucker Flooding, and the north boundary of the compartment is one mile south of Lake Superior.

## Unique Natural Features:

No Unique Natural Features known.

## Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

## Special Management Designations or Considerations:

None noted.

## Watershed and Fisheries Considerations:

This compartment contains Ready, Schaaf, and Snowplow lakes. Ready Lake has become primarily a car-topper/carry-in fishery that is limited to a few yellow perch. Site conditions for BMPs have been applied to the area around the lakes. No treatments are near any of the listed lakes in this compartment, so Fisheries has no concerns.

## Wildlife Habitat Considerations:

Compartment 12 lies in the far northern portion of Luce county and is in the Grand Marais Moraine Complex Management Area. The vegetation is primarily red and jack pine with some mixed deciduous and aspen scattered throughout the compartment. Overall, pre-settlement vegetation patterns appear to have been similar to the current landscape of this compartment. In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural and species diversity as possible in managed stands will be important to achieving wildlife objectives. For example, retaining soft and hard mast producing species and mixed pine species pine will provide food sources, nest and den trees, and improve stand diversity. Wildlife species potentially using this compartment include white-tailed deer, black bear, marten, spruce grouse, and snowshoe hare.

## 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 occurrences of commercial deposits of metallic or critical minerals in this area. The nearest known active sand/gravel pit is nearly five miles southeast. There may be some potential for sand (and perhaps limited amounts of gravel) within the compartment on the uplands, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond limited use by the county road commission, logging companies, or DNR for local road maintenance. No current State mineral leasing activity exists in the area.

## Vehicle Access:

Vehicle access is good throughout the compartment. County Road 410 borders the western edge. County Road 407 is

less than a mile to the north. An east-west fire lane borders the northern edge. Seven Mile Fire Land borders the southern edge, while County Road 410 is a mile to the south. Many two-tracks and old fire lanes criss-cross the area. The old north-south fire lanes are best accessed from either end and avoiding the escarpment climbs. Travelling from south to north is doable.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

While there are no developed camping facilities available within the compartment, the area receives considerable use. In addition to hunting and fishing opportunities, Pine Ridge ORV Trail, which connects to the Two Heart ORV Trail, cuts across the eastern and western portions of the compartment, and the firelines are used by off-roaders wanting to take a break from the trail. Other uses are hiking, berry picking, wildlife viewing and snowmobiling. Developed camping areas found in nearby compartments include: Muskallonge Lake State Park, Lake Superior State Forest Campground, and the two Blind Sucker State Forest Campgrounds.

**Fire Protection:**

Mixture of conifer and hardwood types reduces the potential for very large fire runs. The intermixed lowland areas may complicate fire fighting efforts in those areas. Trail road network provides for decent access for fire suppression.

**Additional Compartment Information:**

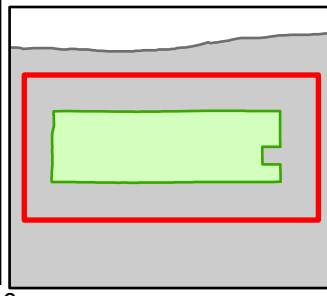
**The following reports from the Inventory are attached:**

- 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**

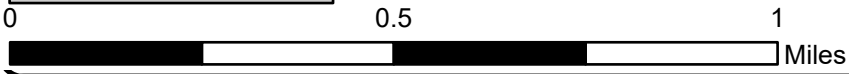
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

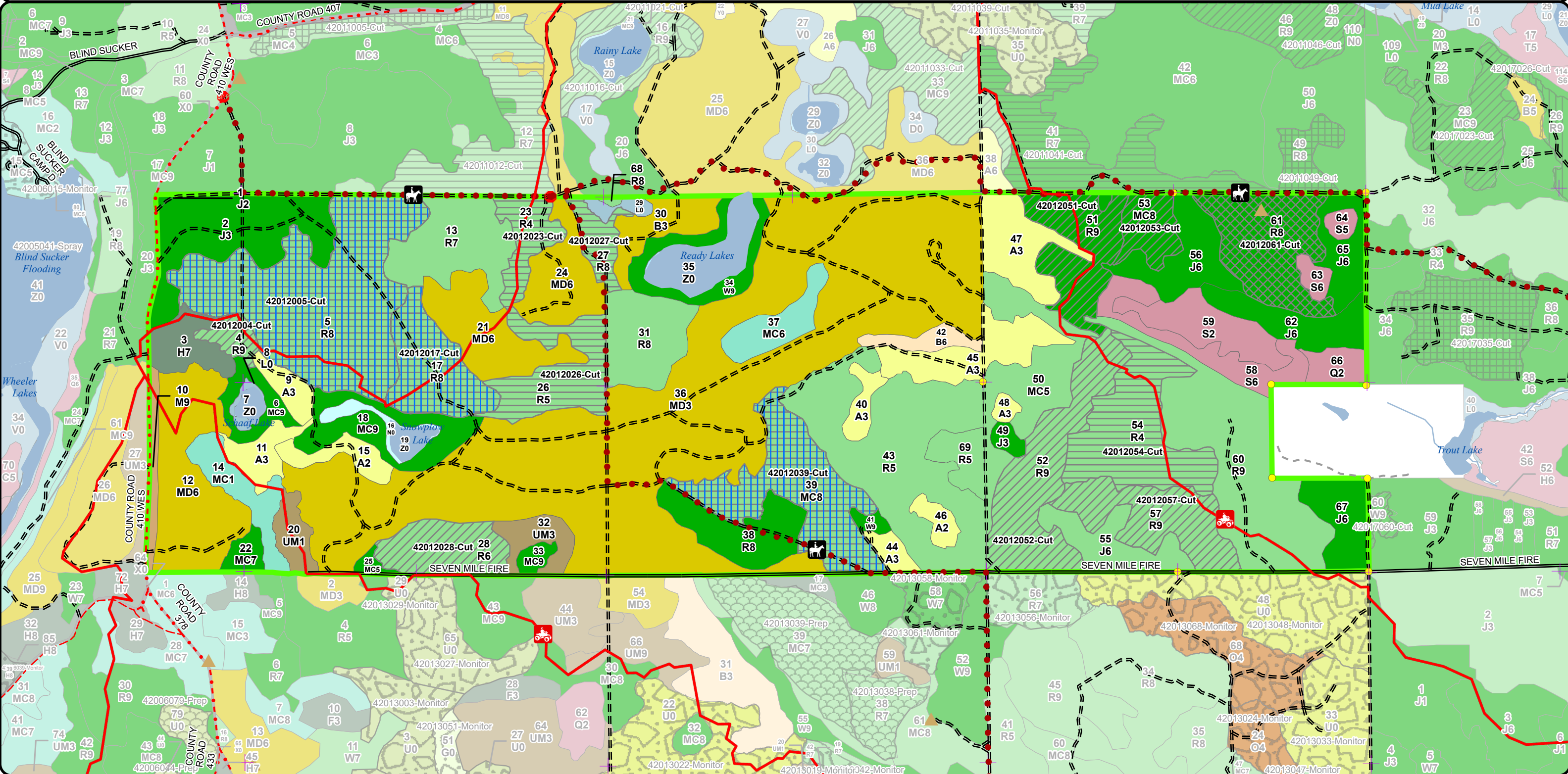
**Cover Type & Treatments Map**



Compartment: 42012  
 T49N, R11W, Sec: 7-9  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Grand Marais  
 Moraine Complex  
 YOE: 2026  
 Acres: 2004.6 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 08/23/2024  
 Map Phase: Web Post



- |                                |                                     |                                  |                                     |                                   |
|--------------------------------|-------------------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| ▲ Berms                        | ● Designated Equestrian Trails      | — Lake/Pond                      | ▨ Thinning (Crown, Low, Systematic) | ■ 423 - Other Upland Conifers     |
| ● Sign                         | — Designated ATV Trails             | — Perennial River                | ■ 411 - Northern Hardwood           | ■ 429 - Mixed Upland Conifers     |
| ● Survey Grade Corners         | — DNR - Secondary Forest Road       | ■ Lakes and Rivers               | ■ 413 - Aspen Types                 | ■ 430 - Upland Mixed Forest       |
| ⊕ Remonumented Section Corners | == DNR - Forest Access Route        | ▬ Compartment Boundary           | ■ 414 - Other Upland Deciduous      | ■ 612 - Lowland Coniferous Forest |
| 🐎 Horse Trails                 | --- County - Gravel Road            | ▨ Selection (Group, Single Tree) | ■ 419 - Mixed Upland Deciduous      | ■ 500 - Water                     |
| 🛵 ORV Trails                   | - - - County - Dirt Road (Seasonal) | ▨ Clearcut (w/Reserves)          | ■ 421 - Planted Pines               | ■ 622 - Lowland Shrub             |
|                                | - - - Private - Dirt / Gravel Road  | ▨ Seed Tree (w/Reserves)         | ■ 422 - Natural Pines               | ■ 623 - Emergent Wetland          |

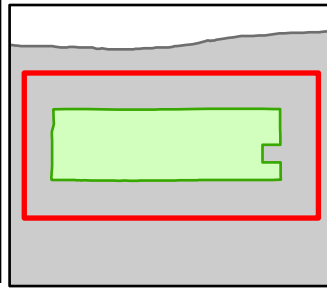








**Special Conservation Areas  
& Site Conditions Map**

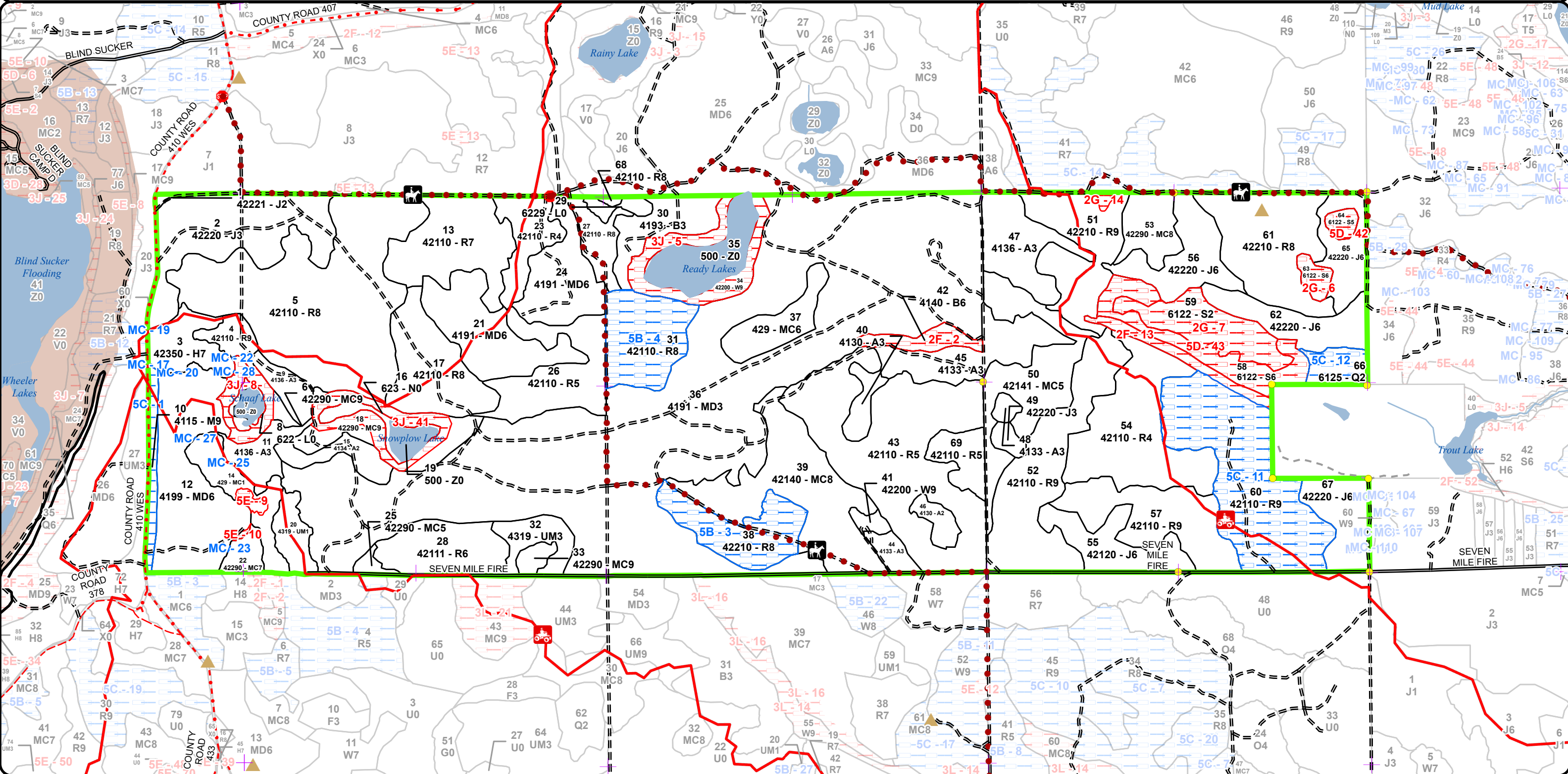
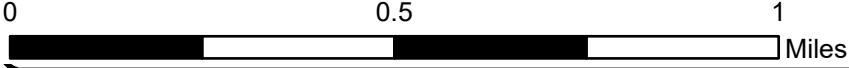


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 County: Luce  
 Unit: Newberry  
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 Map Revised: 08/23/2024  
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- Berms
- Sign
- Survey Grade Corners
- Remonumented Section Corners
- Horse Trails
- ORV Trails
- Designated Equestrian Trails
- Designated ATV Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Wildlife Research Areas



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+	Uneven-Aged	Total
Aspen	0	0	28	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Hemlock	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Jack Pine	0	0	1	54	4	64	46	0	0	0	0	0	0	0	0	0	0	0	169
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	9	49	0	0	0	0	0	0	0	58
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	467	58	0	0	0	0	0	0	0	0	0	0	0	525
Natural Mixed Pines	0	0	0	0	0	0	0	0	3	4	60	0	0	0	0	0	0	0	67
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Paper Birch	0	0	0	0	19	0	0	0	0	8	0	0	0	0	0	0	0	0	27
Planted Mixed Pines	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	101
Red Pine	0	0	0	0	0	0	0	0	237	432	85	0	39	0	0	0	0	0	793
Upland Conifers	0	19	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	36
Upland Mixed Forest	0	10	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
White Pine	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	23
<b>Total</b>	<b>42</b>	<b>29</b>	<b>29</b>	<b>67</b>	<b>103</b>	<b>548</b>	<b>104</b>	<b>0</b>	<b>341</b>	<b>470</b>	<b>234</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2005</b>



## Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 12

Total Compartment Acres: 2,005

Commercial Harvest - 609  
 Harvests with Site Condition - 32  
 Next Step Harvest - 313  
 Habitat Cut - 313

### 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	16	0	0	0	0	16
Planted Mixed Pines	0	0	0	60	0	0	0	0	0	60
Red Pine	151	48	0	197	0	170	0	0	0	565
<b>Total</b>	<b>151</b>	<b>48</b>	<b>0</b>	<b>257</b>	<b>0</b>	<b>186</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>641</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	641	0	0	0	0	0	0	0	0	641
Next Step	313	845	571	0	0	815	1165	348	0	4056
<b>Total</b>	<b>954</b>	<b>845</b>	<b>571</b>	<b>0</b>	<b>0</b>	<b>815</b>	<b>1165</b>	<b>348</b>	<b>0</b>	<b>4697</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

<b>4</b>	<b>42012004-Cut</b>	7.6	42110 - Planted Red Pine	Sawtimber Well	83	81-110	Harvest	Crown Thinning	4211 - Planted Red Pine	Two-Aged	No
<p><u>Prescription</u> Thin stand 60-80BA. Remove all aspen, balsam fir, red maple, and jack pine.</p> <p><u>Specs:</u> Long term objective of planted RP ORV trail run through the stand.</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> red pine <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>5</b>	<b>42012005-Cut</b>	121.2	42110 - Planted Red Pine	Sawtimber Medium	87	51-80	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Seed tree stand leaving 6-8 trees per acre of red pine. Leave areas of established red pine regeneration, if possible remove overstory without damaging advanced regen. Long term objective of planted RP</p> <p><u>Specs:</u> If scarification fails, overstory removal, trench and plant to red pine. ORV trail runs through the stand.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Harvest, Overstory Removal; SitePrep, Trenching; Planting, Initial <u>Treatments:</u> Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Other, Pre-Commercial Thinning - Hand;</p> <p><u>Acceptable</u> natural red pine unless it fails then stand is to be planted to red pine. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>13</b>	<b>42012013-Cut</b>	40.0	42110 - Planted Red Pine	Sawtimber Poor	87	1-50	Harvest	Seed Tree with Retention	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Seed Tree w/ retention, leaving seed trees average 6-8 per acre for regeneration and other non regeneration goals. This is to produce a fully exposed microclimate for the development of a new age class of red pine. Long term objective of planted RP</p> <p><u>Specs:</u> Scarify after harvest to promote red pine regeneration. If scarification fails to produce regeneration, overstory removal, trench and plant to red pine.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; <u>Treatments:</u> Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring</p> <p><u>Acceptable</u> planted red pine, if scarification fails trench and plant to red pine. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											





Standard

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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17	42012017-Cut	35.4	42110 - Planted Red Pine	Sawtimber Medium	84	81-110	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
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Prescription Seed tree stand leaving 6-8 trees per acre of red pine. Leave areas of established red pine regeneration, if possible remove overstory without damaging advanced regen. Long term objective of planted RP

Specs: If scarification fails, overstory removal, trench and plant to red pine.

ORV trail runs through the stand.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Harvest, Overstory Removal; SitePrep, Trenching; Planting, Initial Treatments: Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Site Prep;

Acceptable Regen: natural red ped, unless scarification fails then stand is to be planted to red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

23	42012023-Cut	17.5	42110 - Planted Red Pine	Poletimber Poor	87	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut w/ retention leaving 3-5% retention pockets to facilitate reforestation and cultivation operations. Leave non red pine in the red line. Specs: Trench and plant to red pine.

ORV trail runs through the stand.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Treatments: Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: planted red pine, trench and plant to red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

26	42012026-Cut	34.3	42110 - Planted Red Pine	Poletimber Medium	87	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Two-Aged	No
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Prescription Clearcut w/ retention leaving 3-5% retention pockets to facilitate reforestation and cultivation operations. Trench and plant to red pine. Specs: Acreage may change after prep.

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(1yr); Treatments: Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand

Acceptable Regen: planted red pine. trench and plant to red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

**27 42012027-Cut** 11.5 42110 - Planted Red Pine Sawtimber Medium 84 1-50 Harvest Clearcut with Retention 4211 - Planted Red Pine Even-Aged No

Prescription Clearcut stand removing all trees, producing a fully exposed microclimate for the development of a new age class of Red pine. Trench, plant, site prep & release sprays when needed. Retention Pockets have been built into the treatment.

Specs:

Next Step SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Planting, Initial Plant; Planting, Interplant; Other, Pre

Treatments: Commercial Thinning - Hand; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable planted red pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

**28 42012028-Cut** 27.6 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 74 111-140 Harvest Crown Thinning 4211 - Planted Red Pine Even-Aged No

Prescription Thin stand 80-100BA. Remove all jack pine, aspen, and balsam fir. Leave all hemlock.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

**31 42012031-Cut** 31.7 42110 - Planted Red Pine Sawtimber Medium 84 1-50 Harvest Clearcut with Retention 4211 - Planted Red Pine Even-Aged No

Prescription Clearcut w/ retention. Remove all species present. Leave 3-5% retention in pockets. Leave diversity in the red line where possible.

Specs: Trench, plant, spray to restart the red pine plantation. Long term objective of planted red pine.

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release;

Treatments: Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand

Acceptable planted red pine

Regen:

Other

Comment:

Site Condition Shelterwood/Seed Source

Proposed Start Date: 10/1 /2025





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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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39	42012039-Cut	60.1	42140 - Planted Mixed Pine	Sawtimber Medium	74	51-80	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Even-Aged	No
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Prescription Seed tree stand 6-8 trees per acre. Focus on leaving red pine and targeting more white pine. Open stand enough to be scarified after harvest.

Specs: Scarify after harvest.

If scarification fails, overstory removal, trench and plant to red pine.

Equestrian trail runs along the stand's south edge.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Harvest, Overstory Removal; SitePrep, Trenching; Planting, Initial  
Treatments: Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(1yr); Mon

Acceptable natural red pine, if scarification fails, trench and plant to red pine.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

51	42012051-Cut	37.9	42210 - Natural Red Pine	Sawtimber Well	110	81-110	Harvest	Crown Thinning	42210 - Natural Red Pine	Two-Aged	No
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Prescription Crown Thin stand 60-80BA focusing on removal of trees from the dominant and codominant crown classes. Leave all birch.

Specs:

Next Step  
Treatments:

Acceptable red pine.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

52	42012052-Cut	57.5	42110 - Planted Red Pine	Sawtimber Well	74	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand 80-100BA focusing on removal of trees from the dominant and codominant crown classes.

Specs:

Next Step  
Treatments:

Acceptable red pine  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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<b>53</b>	<b>42012053-Cut</b>	15.6	42290 - Natural Mixed Pine	Sawtimber Medium	95	81-110	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Even-Aged	No
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Prescription Crown Thin stand 70-90BA, removing trees from dominant and codominant crown classes.

Specs: Remove all jack pine. Leave all aspen and birch for diversity within the stand.

Next Step  
Treatments:

Acceptable mixed natural pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>54</b>	<b>42012054-Cut</b>	55.9	42110 - Planted Red Pine	Poletimber Poor	83	1-50	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut w/ retention leaving 3-5% retention pockets to facilitate reforestation and cultivation operations. Leave oak in retention pockets and in the red line where possible. Trench and plant to red pine. Long term objective of planted red pine.

ORV trail runs through the stand.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Planting, Unfurrowed;

Treatments: Planting, Initial Plant; Planting, Replant; Other, Pre-Commercial Thinning - Hand; Monitoring, Artificial Reg

Acceptable planted red pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>57</b>	<b>42012057-Cut</b>	39.6	42110 - Planted Red Pine	Sawtimber Well	74	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to 100BA focusing on removal of trees from the dominant and codominant crown classes. Leave all oak.

Specs: ORV trail runs through stand., normal standard protections.

Next Step  
Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025





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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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61	42012061-Cut	47.7	42210 - Natural Red Pine	Sawtimber Medium	87	51-80	Harvest	Single Tree Selection	42210 - Natural Red Pine	Two-Aged	No
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Prescription Single tree selection 60BA to promote natural red pine within the stand. Remove all aspen, balsam fir, and aspen. Avoid the old road for logging due to the high red pine regeneration present. Follow Natural Red Pine Guidance.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Red pine with minor white pine and mixed deciduous.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

**Total Treatment Acreage Proposed: 641.1**

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 12  
Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				5B	5C	MC	2F	2G	3J	5D	5E		
108	108	0	0	0	Aspen										
17	17	0	0	0	Hemlock			0							
168	168	0	0	0	Jack Pine										
9	0	9	0	0	Lowland Conifers		9								
7	7	0	0	0	Lowland Shrub										
57	0	0	57	57	Lowland Spruce/Fir					30		27			
8	8	0	0	0	Marsh										
526	525	0	0	0	Mixed Upland Deciduous			0							0
67	43	0	24	24	Natural Mixed Pines			0			24				0
8	0	8	0	0	Northern Hardwood		8								
28	19	0	8	8	Paper Birch				8						
101	101	0	0	0	Planted Mixed Pines										
792	646	137	9	9	Red Pine	60	77		8	1					
36	34	0	2	2	Upland Conifers			0							2
23	23	0	0	0	Upland Mixed Forest										
27	27	0	0	0	Water										
23	3	0	20	20	White Pine						20				
2,005	1,729	155	121	121	Total Forested Acres	60	95	0	17	31	44	27			2
	86%	8%	6%	6%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2F: Too steep	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Steep bluff. Good to leave for diversity.							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 12  
 Year of Entry: 2026

3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	32	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 12  
 Year of Entry: 2026

9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	77	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	Minor Change in Acreage	0				
<b>Comments:</b>							

Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 12  
 Year of Entry: 2026

19	Available	Minor Change in Acreage	0				
Comments:							
20	Available	Minor Change in Acreage	0				
Comments:							
22	Available	Minor Change in Acreage	0				
Comments:							
23	Available	Minor Change in Acreage	0				
Comments:							
25	Available	Minor Change in Acreage	0				
Comments:							
27	Available	Minor Change in Acreage	0				
Comments:							
28	Available	Minor Change in Acreage	0				
Comments:							
41	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



**Report 4 – Site Conditions**

**Newberry Mgt. Unit**  
**Matt Payment : Examiner**

**Compartment: 12**  
**Year of Entry: 2026**

42	Unavailable	5D: Unproductive Forest Land	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	Unavailable	5D: Unproductive Forest Land	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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

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**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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	1.1	18	Immature	N/A	Larger part of stand is in compartment to the north. Stand was harvested and scarified in 2006 (sale #007-05-01).
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Pole	8	
Red Maple	20	Sapling	1	
Jack Pine	60	Sapling	1	18
Red Pine	10	Pole	8	

2	42220 - Natural Jack Pine	Sapling Well	53.5	24	Immature	N/A	Patches of residual RP. Overall thick JP reproduction. Cut in 1998 (Snow Plow Lake #002-96), scarified Nov 1998 (FTP 42-463).
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2	Sapling	2	
Jack Pine	80	Sapling	3	24
Red Maple	3	Sapling	2	
Red Pine	15	Log	14	

3	42350 - Upland Hemlock	Sawtimber Poor	16.8	80	1-50	N/A	10/17/23 - Regen coming up in places throughout the stand. Aspen, white pine, maple, fir, and some hemlock.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	20	Log/Pole	12	
White Pine	10	Log/Pole	11	
Hemlock	70	Log	13	80

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling
Black Spruce	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Hemlock	Low	Variable	Sapling
Striped Maple	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	Medium	Variable	Sapling

12/18: Harvested via Clearcut w/ Reserves in 2017 as part of Hill and Dale, #019-16. TCR 12/19/17. Red pine, white pine and hemlock left as residual (~50 BA).  
High ridge thru middle of stand. Pine/birch mix. Ridge slopes down on either side to RM/WB mix with hemlock. Most birch and beech are dead or dying.

4	42110 - Planted Red Pine	Sawtimber Well	7.6	83	81-110	N/A	Variable regen. Still high stocked RP/WP. Some areas with no to little regen. Original planting of 2-0 R, J, W, in spring 1941. Part of "Schaaf Lake Birch" sale # 18-89 -- cut 1991. ORV trail runs through edge of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Pole	6	
Red Maple	2	Pole	6	
Red Pine	77	Log/Pole	12	83
Jack Pine	2	Pole	7	
Balsam Fir	2	Pole	6	
White Pine	15	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Red Maple	Medium	>20 feet	Sapling
Red Pine	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

long term objective of planted RP



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
5	42110 - Planted Red Pine	Sawtimber Medium	121.2	87	51-80	N/A	2023 - RM stump sprouts and A from cut. Some JP, RP & WP seeded in from cut, but also RP & WP older saps present. Lots of old WP stumps. N 1/2 of stand planted with 2-0 RP & JP in spring 1937; S 1/2 of stand planted with 2-0 RP, JP and WP in spring of 1937; Western portion planted with 2-0 RP, JP & WP in spring 1941. Pockets of advanced aspen regeneration. Long term objective of planted RP  ORV trail skirts south portion of stand. Stand was final harvested in 2006-08 (Schaaf Lake Pine #022-06-01). Scarified in Aug 2009. Regeneration check conducted in 2014 - average trees/ac = 2083 (JP-451, RP-223, RM-759, WP-302, A-245 trees/acre); average residual BA = 60 (range 30 - 110). Regen 2013: white pine 665 TPA, red pine 391 TPA, jack pine 274 TPA.																																									
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6	42290 - Natural Mixed Pine	Sawtimber Well	10.9	95	51-80	N/A	Buffer around Schaaf Lake. Includes some steep slopes.																																									
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Sub-Canopy Species	Density	Avg. Height	Size																																													
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7	500 - Water	Nonstocked	2.9		Unspecified	No	Schaaf Lake																																									
8	622 - Lowland Shrub	Nonstocked	2.4		Unspecified	No	Marsh around Schaaf Lake																																									
9	4136 - Aspen, Mixed Conifer	Sapling Well	8.6	32	1-50	N/A	Part of "Schaaf Bluff Birch" sale # 18-89; shelterwood cut completed 1991 - left oak, red and white pine, hemlock.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>10</b>	4115 - Y.Birch, Hemlock NH	Sawtimber Well	8.3	98	51-80	N/A	Buffer strip left along the road. Beech and birch are dead and dying. BBD present. Occasional WP and Fs. Thick regen present.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch	8	Log/Pole	10		Beech	Medium	Variable	Sapling		
Hemlock	20	Log/Pole	10		Striped Maple	Low	Variable	Tall Shrub		
Beech	32	Log/Pole	14		Hemlock	Low	Variable	Sapling		
White Pine	3	Log	14		White Spruce	Low	Variable	Sapling		
Yellow Birch	5	Log	10		Red Maple	Medium	Variable	Sapling		
Red Maple	32	Log/Pole	10	98	Balsam Fir	High	Variable	Sapling		

<b>11</b>	4136 - Aspen, Mixed Conifer	Sapling Well	12.0	17	Immature	N/A	Stand harvested as "Schaaf Lake Aspen", sale #020-06-01. Completed 10/30/07. Regen check conducted Summer 2012: Aspen = Fully Stocked.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir	5	Sapling	1							
Bigtooth Aspen	70	Sapling	2	17						
Hemlock	5	Log/Pole	12							
White Pine	5	Log	15	91						
Red Pine	5	Log	14							
Red Maple	10	Sapling	1							

<b>12</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	58.2	52	51-80	N/A	Some residual beech, RM and H left from cut. Most beech dead/dying (BBD). Occasional WP.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir	5	Pole/Sapling	5		Hemlock	Low	5 - 10 feet	Sapling		
Hemlock	5	Pole	9		Balsam Fir	Low	5 - 10 feet	Sapling		
Red Maple	25	Pole/Sapling	5							
Beech	10	Pole/Sapling	7							
Quaking Aspen	5	Pole/Sapling	5							
Paper Birch	50	Pole/Sapling	5	52						

<b>13</b>	42110 - Planted Red Pine	Sawtimber Poor	40.0	87	1-50	N/A	RP over JP & A. Areas of higher residual BA; some areas of higher FP reproduction than others. The final harvest of this stand was completed 6/99 (Ready Lake Jack Pine # 007-96-01). Scarification was completed 7/99 ( FTP #42-466). Stocking survey completed 5/16/2003 - 867 trees per acre. Overstory pine is residual from 1937 planting of 2-0 RP, JP & WP. Long term objective of planted RP			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine	5	Log/Pole	10		White Pine	Medium	10 - 20 feet	Sapling		
Red Pine	95	Log/Pole	12	87	Jack Pine	High	10 - 20 feet	Sapling		
					Red Pine	Low	5 - 10 feet	Sapling		
					Red Maple	Medium	10 - 20 feet	Sapling		
					Bigtooth Aspen	High	10 - 20 feet	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
14	429 - Mixed Upland Conifers	Sapling Poor	19.0	7	1-50	N/A	2023 - Maple coming up well underneath the overstory pine that was left.																																																															
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Canopy Species	% Cover	Size Class	DBH	Age																																																																		
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15	4134 - Aspen, Spruce/Fir	Sapling Medium	10.9	32	Immature	N/A	Part of "Schaaf Bluff Birch" sale # 18-89, cut in 1991.																																																															
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16	623 - Emergent Wetland	Nonstocked	7.7		Unspecified	No	Marshland around Snowplow Lake																																																															
17	42110 - Planted Red Pine	Sawtimber Medium	35.4	84	81-110	N/A	RP over aspen/pine mix. Mostly fully stocked saps. Residual pine from 1937 & 1940 plantings; "Aspen Mixed Well" sale #35-96, cut Nov/Dec, 1997. Long term objective of planted RP																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>20</b>	4319 - Mixed Upland Forest	Sapling Poor	10.2	7	1-50	N/A	12/18: Harvested via Clearcut w/ Reserves in 2017 as part of Hill and Dale, #019-16. TCR 12/19/17. Red pine, white pine, hemlock and beech residual (~20-30 BA).  Occasional beech and hemlock, RP & WP. ORV trail through middle of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	13	
Red Maple	20	Sapling	2	7
Beech	20	Sapling	2	
White Pine	20	Log/XLog	15	94
Balsam Fir	5	Sapling	2	
Paper Birch	2	Pole	5	
Hemlock	10	Log	13	
Beech	10	Log	12	
Yellow Birch	3	Pole/Log	9	

<b>21</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	36.0	44	51-80	N/A	On the edge between sapling and pole size. Some residual RP/WP. Area cut over for aspen/birch in 1979-80; original planting of 2-0 JP, RP & WP in spring of 1937.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/Pole	12	
Balsam Fir	16	Pole/Sapling	5	
Paper Birch	20	Pole/Sapling	4	
White Spruce	10	Pole/Sapling	5	
Red Pine	2	Log	14	87
Bigtooth Aspen	35	Pole/Sapling	4	44
Red Maple	10	Pole/Sapling	4	
Black Cherry	2	Pole/Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling

<b>22</b>	42290 - Natural Mixed Pine	Sawtimber Poor	6.2	95	1-50	N/A	2023 - Decent white pine, balsam, and maple regen coming up. Red pine is sparse throughout the stand.  12/18: Harvested via Clearcut w/ Reserves in 2017 as part of Hill and Dale, #019-16. TCR 12/19/17. Red pine, white pine and hemlock residual (~40-50 BA).
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	3	Log/Pole	10	
White Pine	30	Log	12	
Red Pine	40	Log	14	95
Hemlock	27	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Beech	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

<b>23</b>	42110 - Planted Red Pine	Poletimber Poor	17.5	87	1-50	N/A	2023- Regeneration is scattered throughout the stand. Mainly white pine, and maple.  11-13-18 - Stand was cut as part of Rainy Lake Pine. Residual BA 40-60 of Red pine. Stand was to be scarified in 2018 but wasn't completed. Will be rolled forward to POW 2019 scarification.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	4	Pole	8	
Quaking Aspen	2	Pole	7	
White Pine	2	Pole/Log	9	
Red Pine	92	Log/Pole	11	87

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Spruce	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

ORV trail through stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**24** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 27.8 44 51-80 N/A On edge between sapling and pole size. Some residual RP/WP from 1937 planting. Stand was cut over in the late 80's based on aerial imagery.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Pole/Sapling	4		White Spruce	Medium	Variable	Sapling
White Pine	3	Log/Pole	12		Balsam Fir	High	Variable	Sapling
Red Pine	7	Log/Pole	12	87	Red Pine	Low	5 - 10 feet	Sapling
Red Maple	16	Pole/Sapling	4					
Black Cherry	2	Pole/Sapling	4					
Jack Pine	2	Pole/Sapling	4					
Paper Birch	20	Pole/Sapling	4					
Bigtooth Aspen	30	Pole/Sapling	4	44				
Balsam Fir	10	Pole/Sapling	4					

**25** 42290 - Natural Mixed Pine Poletimber Medium 2.8 74 1-50 N/A Varying densities of residual and regen. Occasional hemlock. "Birch Ridge" sale #35-96 (Unit 2); regen started -- no scarification (FTP 42-471 cancelled). Smaller stand due to high BA of RP.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	20	Sapling	1		White Pine	High	Variable	Sapling
Red Pine	30	Log/Pole	12	74				
White Spruce	3	Sapling	1					
White Pine	20	Pole	8					
Red Maple	2	Sapling	1					
Balsam Fir	25	Sapling	1					

**26** 42110 - Planted Red Pine Poletimber Medium 34.3 87 51-80 N/A Variable BA residual. Variable regen. Stand harvested as "W. Ready Lake Pine", sale #023-06-01. Complete 6/19/08. FTP 42-676 for scarification, but no record of it being done. Regeneration check in summer 2012: JP = 90 WP = 270 RP = 180 Aspen = 108 BF = 180 TPA = 829.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	60	Pole/Log	8	87	Bigtooth Aspen	High	>20 feet	Sapling
White Pine	40	Pole/Log	8		Balsam Fir	Low	5 - 10 feet	Sapling
					Red Pine	Low	Variable	Sapling
					White Pine	Low	Variable	Sapling
					Jack Pine	Low	5 - 10 feet	Sapling
					Red Maple	Low	10 - 20 feet	Sapling

**27** 42110 - Planted Red Pine Sawtimber Medium 11.5 84 1-50 N/A Variable RP residual BA. Good regen. "Ready Lake JP" Sale #2-98; FTP 42-493, scarified 8/2001. Original planting in Fall of 1940 with 2-0 R, W & J.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	90	Log/Pole	13	84	White Spruce	Low	5 - 10 feet	Sapling
White Pine	10	Log/Pole	10		White Pine	Medium	10 - 20 feet	Sapling
					Red Pine	Medium	5 - 10 feet	Sapling
					Jack Pine	Medium	10 - 20 feet	Sapling
					Balsam Fir	Low	5 - 10 feet	Sapling
					Bigtooth Aspen	Medium	10 - 20 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**28** 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 27.6 74 111-140 N/A Pockets and scattered pole size A/WB. Planted in 1950 (2-0 RP & JP), some JP in portions of the stand picked out in sale #32-96 (cut in 1997). Occasional hemlock.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	8	Pole/Log	9		White Pine	Low	Variable	Sapling
Paper Birch	8	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	2	Pole	7		Red Maple	Low	Variable	Sapling
White Pine	7	Pole/Log	9					
Bigtooth Aspen	15	Pole/Log	9					
Red Pine	60	Log/Pole	10	74				

**29** 6229 - Mixed lowland shrub Nonstocked 4.1 0 Unspecified No Low boggy pocket of JP/T/WP.

**30** 4193 - Birch, Aspen Sapling Well 19.2 37 1-50 N/A Variable stand. Sale #54-85 Ready Lake Birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	30	Sapling/Pole	4		Balsam Fir	High	Variable	Sapling
White Pine	6	Sapling/Pole	3		Striped Maple	Low	10 - 20 feet	Tall Shrub
Balsam Fir	3	Sapling/Pole	3					
Paper Birch	40	Sapling/Pole	4	37				
Jack Pine	2	Sapling	3					
White Spruce	4	Sapling/Pole	3					
Red Maple	15	Sapling/Pole	4					

**31** 42110 - Planted Red Pine Sawtimber Medium 31.7 84 1-50 N/A RP/WP over A/JP. Occasional hemlock. "Ready Lake JP" Sale #2-98; FTP 42-493 -- Scarification completed 8/2001. Planted 1930s.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	30	Pole/Log	9		Red Maple	Medium	Variable	Sapling
Red Pine	70	Log	13	84	Quaking Aspen	Medium	Variable	Sapling
					Jack Pine	Medium	Variable	Sapling
					Red Pine	Low	5 - 10 feet	Sapling

**32** 4319 - Mixed Upland Forest Sapling Well 12.9 23 1-50 N/A Sale # 32-96 cut Nov 2000. Very good red pine seeding (or planting?) in back half of stand. Scattered WP/RP residual (<10 BA).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	30	Sapling	1	23	Striped Maple	Low	5 - 10 feet	Tall Shrub
Jack Pine	2	Sapling	1					
White Pine	3	Log	14					
Beech	15	Sapling	1					
Red Pine	3	Log	14					
White Pine	7	Sapling	1					
Balsam Fir	13	Sapling	1					
Red Maple	25	Sapling	1	23				
Hemlock	2	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																														
<b>33</b>	42290 - Natural Mixed Pine	Sawtimber Well	4.0	87	81-110	N/A	Mixed pine stand, small acreage. Jack pine is getting old and starting to die out of the canopy.																																																																														
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<b>35</b>	500 - Water	Nonstocked	22.2		Unspecified	No	Ready Lake. Several trees were dropped into the lake for fish habitat in 2005 (FTP42-598).																																																																														
<b>36</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	403.4	41	51-80	N/A	Large stand cut over several years (1980-83) on timber sale #12-71A. On edge between sapling and pole size. Residual WP, RP and H scattered. Very diverse stand. Inclusion of stand on far eastern end that was cut through in 1986 (#42-85 Aspine #2). Not all species were cut resulting in pole size residual in areas.																																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>37</b>	429 - Mixed Upland Conifers	Poletimber Well	17.2	44	51-80	N/A	Heavier to softwood than surrounding stand. Cut in early '80's on timber sale #12-71A. On edge between sapling and pole size. Scattered remnant WP, RP and H.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	13	Sapling	3	
White Spruce	25	Pole/Sapling	5	44
White Pine	5	Log/XLog	16	
Red Pine	2	Log	14	
Balsam Fir	25	Pole/Sapling	5	44
Paper Birch	10	Pole/Sapling	5	
Beech	5	Pole/Sapling	5	
Hemlock	5	Pole/Sapling	5	
Red Maple	5	Pole	6	
Red Pine	5	Sapling	3	

<b>38</b>	42210 - Natural Red Pine	Sawtimber Medium	28.4	87	81-110	N/A	Thinned in 2019 as part of Ridgeline Pine, #014-16. Sparse red pine regen coming in. White pine, balsam, and red maple coming in.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine	65	Log	14	87	White Spruce	Medium	Variable	Sapling
Bigtooth Aspen	8	Pole	8		Hemlock	Low	Variable	Sapling
White Pine	25	Log	14		White Pine	Low	Variable	Sapling

<b>39</b>	42140 - Planted Mixed Pine	Sawtimber Medium	60.1	74	51-80	N/A	2023 - Sparse red pine regen. White pine, red maple, spruce coming in. Occasional beech, but dying (BBD). RP & WP planted in 1950.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	40	Log/Pole	14		Red Maple	High	Variable	Sapling
Paper Birch	5	Pole/Log	8		Balsam Fir	High	Variable	Sapling
White Pine	55	Log/Pole	14	74	White Pine	Low	Variable	Sapling

11/2019: harvested via shelterwood in spring 2019 as part of Ridgeline Pine, #014-16. FTP C42-904 for scarification. Too thick of residual to scarify properly. Scarification dropped. Re-evaluate at next inventory.

<b>40</b>	4130 - Aspen	Sapling Well	7.2	16	Immature	N/A	Stand harvested as "7 Mile Mix", sale #42-026-06-01. Completed 6/6/08.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
White Pine	3	Log	12	
Bigtooth Aspen	85	Sapling	1	16
Red Maple	5	Sapling	1	
Red Pine	2	Log	10	

<b>41</b>	42200 - Natural White Pine	Sawtimber Well	3.0	95	111-140	N/A	Small stand very similar to stand 43 just slightly more white pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Log	15	95	Balsam Fir	Low	Variable	Sapling
Red Pine	25	Log	15		White Pine	Medium	Variable	Sapling
					Red Maple	High	>20 feet	Sapling

Old INV - Sale # 45-91



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>42</b>	4140 - Other Upland Deciduous	Poletimber Well	8.4	86	81-110	N/A	Steep escarpment. Occasional beech, with beech scale present. Good to leave for diversity.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	8	
Paper Birch	60	Pole/Log	8	86
White Spruce	3	Log/Pole	10	
White Pine	5	Log	14	
Hemlock	2	Pole	8	
Balsam Fir	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	Variable	Sapling
Balsam Fir	Full	Variable	Sapling

<b>43</b>	42110 - Planted Red Pine	Poletimber Medium	99.6	74	81-110	N/A	Variable density residual. Aspen repro in areas. Portion of stand planted with 2-0 R,J in 1950. Stand thinned as "7 Mile Mix", sale #42-026-06-01. Completed 6/6/08. Regen 2013: red pine 217 TPA, white pine 375 TPA in scarified area.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Pole	8	
Red Pine	80	Log/Pole	10	74
Red Oak	3	Pole/Log	9	
White Pine	15	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Jack Pine	Low	< 5 feet	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
White Pine	Medium	Variable	Sapling

<b>44</b>	4133 - Aspen, Mixed Pine	Sapling Well	5.8	33	1-50	N/A	Most overstory pine removed from the stand. Aspen is now the dominant canopy species coming in. Sale # 45-91
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	
Red Pine	15	Pole/Log	8	74
White Pine	15	Pole/Log	8	
Bigtooth Aspen	65	Sapling/Pole	3	33

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling

<b>45</b>	4133 - Aspen, Mixed Pine	Sapling Well	28.4	38	1-50	N/A	"Ready Lake Aspen" sale # 43-85. Occasional oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	45	Sapling/Pole	4	38
Balsam Fir	10	Sapling/Pole	3	
Beech	2	Sapling/Pole	4	
White Pine	15	Sapling	3	
Paper Birch	8	Pole	6	
Red Pine	2	Sapling	2	
White Spruce	5	Sapling/Pole	3	
Red Maple	10	Sapling	3	
Jack Pine	3	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	4130 - Aspen	Sapling Medium	6.1	15	1-50	N/A	Adequate regeneration, but mainly aspen 8-12' tall. Variable density. Some residual RP and WP. Stand size shrunk from original FTP due to high BA.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Pine		5	Sapling	1			
White Pine		5	Log	12			
White Pine		5	Sapling	1			
Paper Birch		2	Pole	8			
Jack Pine		5	Sapling	1			
Red Pine		5	Log	12			
Bigtooth Aspen		73	Sapling	1	15		
47	4136 - Aspen, Mixed Conifer	Sapling Well	26.4	38	1-50	N/A	Cut in 1986 Aspine #1 (#41-85).
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Quaking Aspen		65	Sapling/Pole	4	38		
White Pine		5	Sapling/Pole	3			
Balsam Fir		10	Sapling/Pole	4			
Red Maple		10	Sapling/Pole	4			
Red Pine		3	Sapling/Pole	3			
Jack Pine		2	Sapling	3			
White Spruce		5	Sapling/Pole	3			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Maple		Low	10 - 20 feet	Sapling			
48	4133 - Aspen, Mixed Pine	Sapling Well	2.7	16	1-50	N/A	Two storied small stand. RP/WP over aspen. Nice thick aspen regen 10-20' tall. Stand harvested as "7 Mile Mix", sale #42-026-06-01. Completed 6/6/08.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Balsam Fir		10	Sapling	2			
Red Maple		2	Sapling	1			
Bigtooth Aspen		58	Sapling	1	16		
Paper Birch		5	Pole	8			
Red Pine		20	Pole/Log	9	74		
White Pine		5	Pole/Log	9			
49	42220 - Natural Jack Pine	Sapling Well	3.7	31	Immature	N/A	Occasional RM or WB sprout. Sale #37-92 (3.2 acres) cut Summer '92 -- No FTP.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Pine		3	Sapling	3			
Jack Pine		92	Sapling/Pole	4	31		
White Pine		5	Sapling	2			
50	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Medium	41.2	74	51-80	N/A	11/2019: harvested via shelterwood in spring 2019 as part of Ridgeline Pine, #014-16. FTP C42-904 for scarification. Too thick of residual to scarify properly. Scarification dropped. Re-evaluate at next inventory.  Good variety of sizes - old logs, but mostly poles, and saps too. Occasional oak and birch. Pockets of aspen with pine. Some dead JP. Open understory. Pockets heavier to RP and pockets heavier to JP. 2-0 R, J planted spring 1950.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Paper Birch		2	Pole	8			
Red Pine		55	Pole/Log/Sap	9	74		
White Pine		25	Pole/Log/Sap	8			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Oak		Low	< 5 feet	Seeding			
Red Maple		Low	Variable	Sapling			
White Pine		Low	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
51	42210 - Natural Red Pine	Sawtimber Well	38.8	110	81-110	N/A	Timber sale #53-85 - 1986 thinning. Thinned again in 2009 (Darrell's Red Pine #028-06-01). Regeneration survey conducted in 2014 - average trees/acre = 1928; average residual BA = 92 (range 60 - 130 BA). Part of stand not cut in 2009. ORV trail along 2 track for a bit, then too narrow for regular vehicle travel.  Regen 2014: White pine 433 TPA, red pine 162 TPA.																																														
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52	42110 - Planted Red Pine	Sawtimber Well	57.5	74	111-140	N/A	Advanced WP regen of various sizes (6-15' and 15-25'). Areas of advanced RP regen (20' tall). JP seeding in spots on road. ORV trail runs thru north part of stand. Stand thinned as "Pudding Pine", sale #027-06-01. Completed 11/06/08.																																														
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53	42290 - Natural Mixed Pine	Sawtimber Medium	15.6	95	81-110	N/A	Mainly large dbh RP/WP with sapling sized regen. Part of 1978 timber sale (3-78A).																																														
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54	42110 - Planted Red Pine	Poletimber Poor	55.9	83	1-50	N/A	Planted in 1941. Sparse red pine regen coming in. White pine, maple, fir, and spruce coming back. Cut 2019, scarified 2019 (part of Ridgeline Pine, #014-16). Red and white pine with oak were left. FTP C42-904.  Old Inv: RP of various sizes (4-16"). Old WP stumps evident. Old RR grade thru stand. Patches of heavier to JP, to mix of JP/RP. 2-0 R, J planted in 1950 - stand variable as to density and species.																																														
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55	42120 - Planted Jack Pine	Poletimber Well	22.9	52	111-140	N/A	2-0 JP planted fall, 1972. Some older JP scattered within.																																														
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56	42220 - Natural Jack Pine	Poletimber Well	26.0	41	111-140	N/A	Some areas of thicker regeneration than others. Residual RP and WP. On edge between sapling and pole size.																																														
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<b>57</b>	42110 - Planted Red Pine	Sawtimber Well	39.6	74	111-140	N/A	Very variable dbh on RP. Some nice remnants, nice logs to sapling size. Old WP stumps evident. Variable densities with small semi-open areas. 2-0 RP & JP planted spring of 1950.																																														
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<b>58</b>	6122 - Black Spruce	Poletimber Well	23.9	94	81-110	N/A	Pocket of WP logs included within stand. Stand is located at the bottom of a very steep bluff.																																														
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<b>59</b>	6122 - Black Spruce	Sapling Medium	25.2	90	51-80	N/A	Black spruce/tamarack lowland.																																														
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<b>60</b>	42110 - Planted Red Pine	Sawtimber Well	85.1	95	81-110	N/A	Older RP/WP with 2-0 RP, JP planted in spring 1950. 11/2019: thinned in 2017-18 as part of Ridgeline Pine, #014-16.																																														
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<b>61</b>	42210 - Natural Red Pine	Sawtimber Medium	47.7	87	51-80	N/A	Stand thinned in 1978 (#3-78A). Shelterwood cut in 2009 (Darrell's Red Pine #028-06-01). Regeneration check conducted in 2014 - average trees/acre = 1071; average residual BA = 77 (range from 50 - 110 BA). Occasional WB. Regen 2014: White pine 509 TPA, red pine 176 TPA.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	42220 - Natural Jack Pine	Poletimber Well	22.9	54	81-110	N/A	JP/S stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Jack Pine		75	Pole	8	54	Black Spruce	
White Pine		3	Pole/Log	8		Medium	
Red Pine		12	Pole/Log	8		Variable	
Black Spruce		10	Pole	5		Sapling	
63	6122 - Black Spruce	Poletimber Well	4.6	88	51-80	N/A	Low pocket of spruce.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Pine		5	Pole	8		Black Spruce	
Black Spruce		80	Pole/Sapling	5	88	Medium	
Red Pine		5	Pole/Log	9		Variable	
Jack Pine		10	Pole	7		Sapling	
64	6122 - Black Spruce	Poletimber Medium	3.5	88	51-80	N/A	Low pocket of spruce.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		5	Pole/Log	9		Black Spruce	
Jack Pine		10	Pole	7		Medium	
Black Spruce		80	Pole/Sapling	5	88	Variable	
White Pine		5	Pole	8		Sapling	
65	42220 - Natural Jack Pine	Poletimber Well	17.1	44	81-110	N/A	Mixed pine stand. Younger jack pine coming in under older larger white and red pine.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		25	Log/Pole	12	95	Black Spruce	
Jack Pine		60	Pole	6	44	Low	
White Pine		10	Log/Pole	12		Variable	
Black Spruce		5	Pole/Sapling	5		Sapling	
						White Pine	
						Low	
						Variable	
						Sapling	
66	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	9.4	90	Unspecified	N/A	Black spruce/tamarack with scattered pine on slight ridges.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Spruce		45	Sapling/Pole	4	90		
Red Pine		2	Pole/Log	9			
Jack Pine		13	Sapling	4			
White Pine		13	Pole/Log	9			
Paper Birch		2	Pole/Sapling	6			
Tamarack		25	Sapling/Pole	4			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**67** 42220 - Natural Jack Pine Poletimber Well 20.9 44 1-50 N/A Residual RP and WP as well as occassional oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log	14		Red Pine	Low	5 - 10 feet	Sapling
Red Pine	2	Sapling	2		White Pine	Low	5 - 10 feet	Sapling
Red Pine	5	Log	14	86	Red Maple	Low	5 - 10 feet	Sapling
White Pine	3	Sapling	2					
Jack Pine	80	Pole/Sapling	5	44				
Red Maple	5	Sapling	3					

**68** 42110 - Planted Red Pine Sawtimber Medium 0.8 84 1-50 N/A Variable RP residual BA. Good regen. "Ready Lake JP" Sale #2-98; FTP 42-493, scarified 8/2001. Original planting in Fall of 1940 with 2-0 R, W & J.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	90	Log/Pole	13	84	Red Pine	Medium	5 - 10 feet	Sapling
White Pine	10	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
					White Pine	Medium	10 - 20 feet	Sapling
					Bigtooth Aspen	Medium	10 - 20 feet	Sapling
					White Spruce	Low	5 - 10 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling
					Jack Pine	Medium	10 - 20 feet	Sapling

**69** 42110 - Planted Red Pine Poletimber Medium 12.0 74 51-80 N/A Stand was part of stand 43 but is slightly more open with more advanced regeneration present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	80	Log/Pole	10	74	Jack Pine	Low	< 5 feet	Sapling
White Pine	15	Pole/Log	9		White Pine	Medium	Variable	Sapling
Red Oak	3	Pole/Log	9		Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Paper Birch	2	Pole	8		Red Maple	Low	5 - 10 feet	Sapling

Variable density residual. Aspen repro in areas. Portion of stand planted with 2-0 R,J in 1950. Stand thinned as "7 Mile Mix", sale #42-026-06-01. Completed 6/6/08.

Regen 2013: red pine 217 TPA, white pine 375 TPA in scarified area.