



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42097

Entry Year 2026

Acreage: 1,668

County Luce

Management Area: Grand Marais Moraine Complex

Stand Examiner: Amy Livermore

Legal Description:

T46N R12W sections 4, 9 and 16

Identified Planning Goals:

Timber production, wildlife habitat and recreation are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses. Enhance age class diversity in these forest cover types through continued timber harvest treatments.

Soil and topography:

The majority of the soils in the compartment are Vilas loamy sand, 0-6% slopes, with Rubicon sand, 0-15% slopes in the southern southern part of the compartment. The entire compartment is level to rolling sandy outwash plains (Danaher Plains).

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

State owned land surrounds the compartment on the north, west and south sides. East of the compartment is all privately owned. There are no private parcels within the compartment boundary. This compartment has primarily been managed for timber production, wildlife habitat and recreation. The area is heavily used for blueberry picking and hunting.

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:

Watershed and Fisheries Considerations:

LSMU-Cory Kovacs (northern portion)

Fisheries Concerns: This compartment is located on the transition line between the Manistique River watershed (NLMMU) and the Tahquamenon River watershed (LSMU). Locally, the East Branch Fox River drainage is located in the southern half of the compartment and is also part of the Fox River Natural River Plan. There are no treatments proposed near water in the Tahquamenon River drainage so, Fisheries (LSMU) has no concerns at this time.

NLMMU-John Bauman (southern portion)

Fisheries Concerns: There are no concerns for treatments proposed in the southern portion of the compartment.

Wildlife Habitat Considerations:

Compartment 97 lies in the Grand Marais Moraine Complex Management Area and is part of the Danaher plains opening-pine complex. Presettlement maps indicate that the area was composed of white pine-red pine forest and white pine-mixed hardwood forest. Currently, the area is predominately herbaceous openings and jack and red pine plantations, with some inclusions of mixed hardwoods and aspen. Aspen is more predominate in the southernmost part of the compartment. In pine stands, retaining a variety of age and size classes and maintaining as much species and structural diversity as possible in managed stands will be important to achieving wildlife objectives. Retaining hard mast producing species will provide food sources, nest and den trees, suitable raptor nest trees, and improve stand diversity. Wildlife species potentially using this compartment include white-tailed deer, ruffed grouse, black bear, and coyote.

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. No active sand/gravel pits are known to exist within five miles of the compartment. There may be some limited potential for production of sand & 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 to this area is good. Primary access to the compartment is County Road 421, that comes into the northeast part of the compartment. This road is routinely maintained by Luce County Road Commission during the summer months. The Danaher Plains road provides access from the west. There are numerous two track roads throughout the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no recreational facilities within the compartment.

Recreational opportunities include: hunting, wildlife viewing, ORV and snowmobile riding, dispersed camping and blueberry picking.

Fire Protection:

This compartment is part of Fox River Zone Dispatch Area and is covered by Seney Field Office. The large opening complex within the compartment lends itself to fast moving surface fires in spring. Since the Jack Pine within this compartment is not in large contiguous blocks, large running fires should not be a major concern. Access is good because of drier sandy soils, good road system and smaller timber. Risk to private property would be moderate.

Additional Compartment Information:

The following reports from the Inventory are attached:

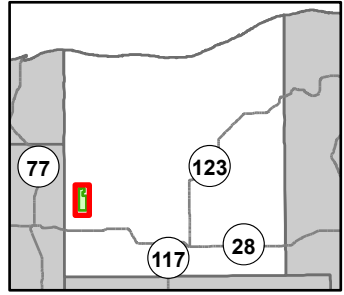
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

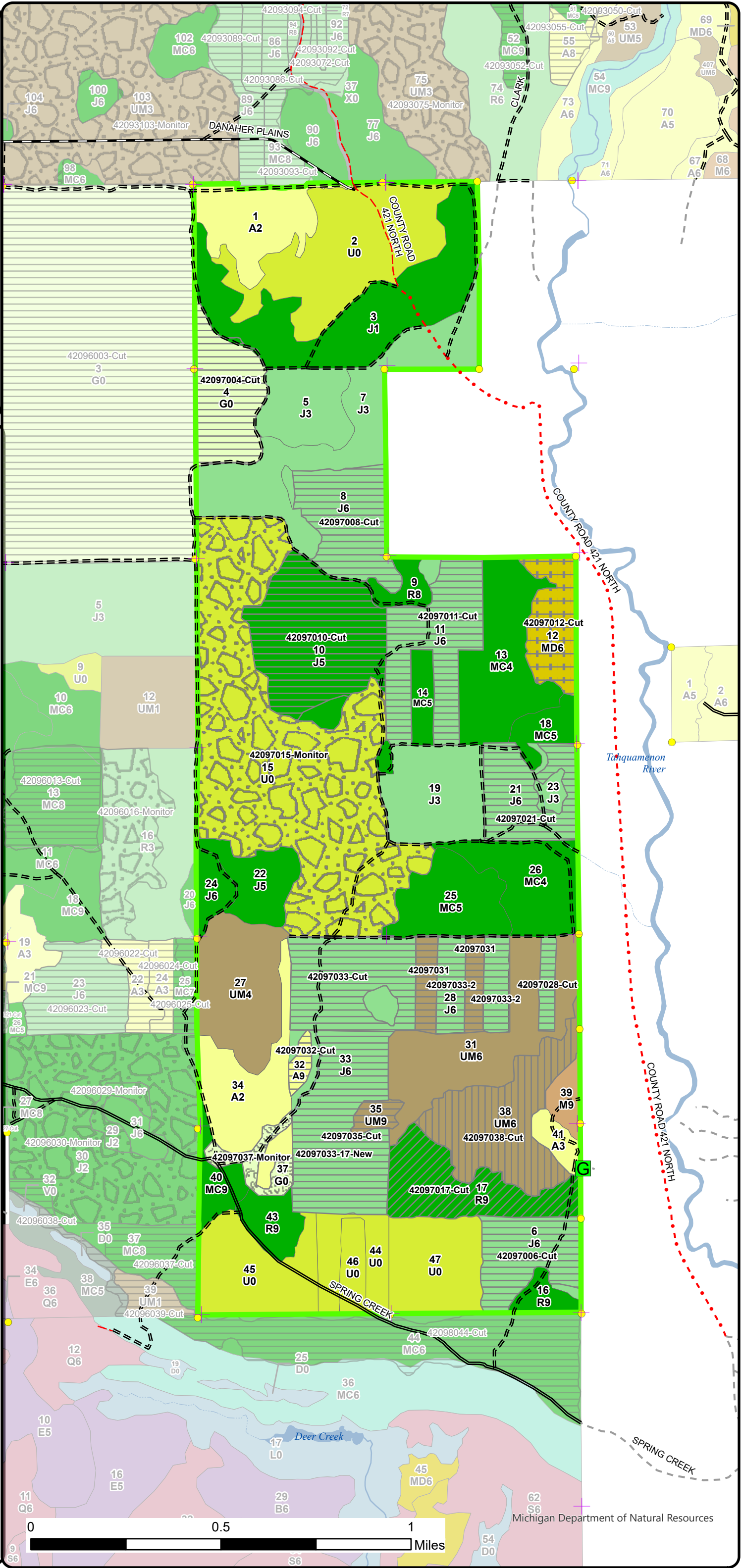
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 42097
 T46N, R12W, Sec: 4, 9, 16
 County: Luce
 Unit: Newberry
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2026
 Acres: 1668.3 GIS Calculated
 Examiner: Amy Livermore
 Map Revised: 08/23/2024
 Map Phase: Web Post

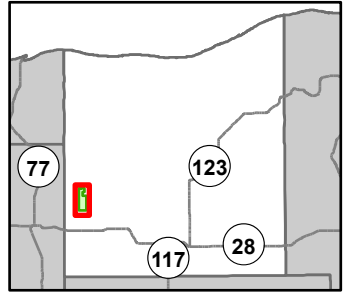


- Gate
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- Monitoring
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees

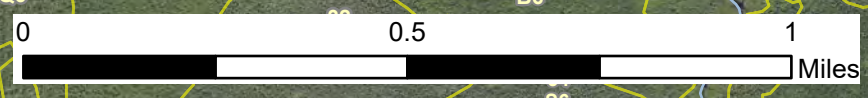
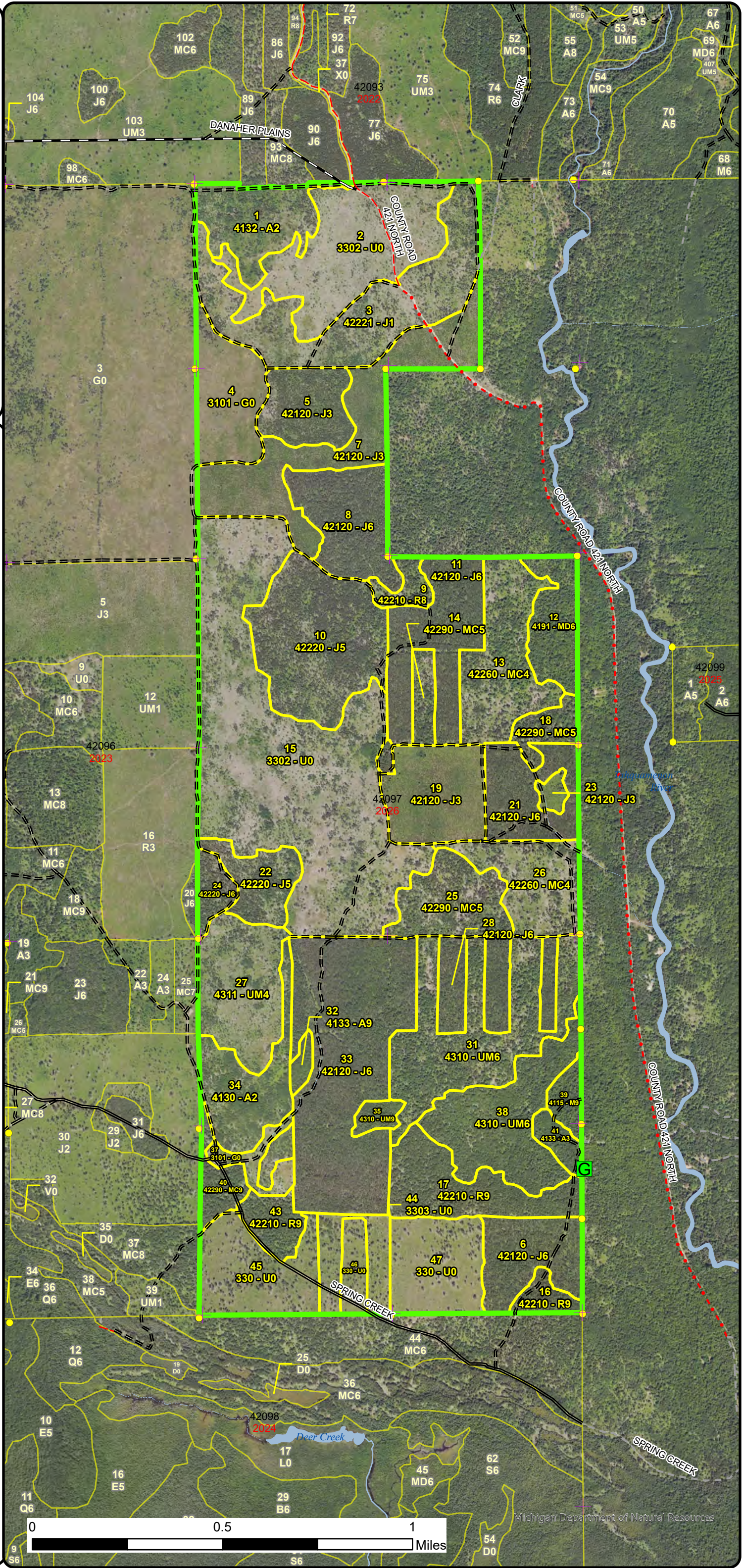


Stand Boundary Map

Compartment: 42097
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 Map Phase: Web Post

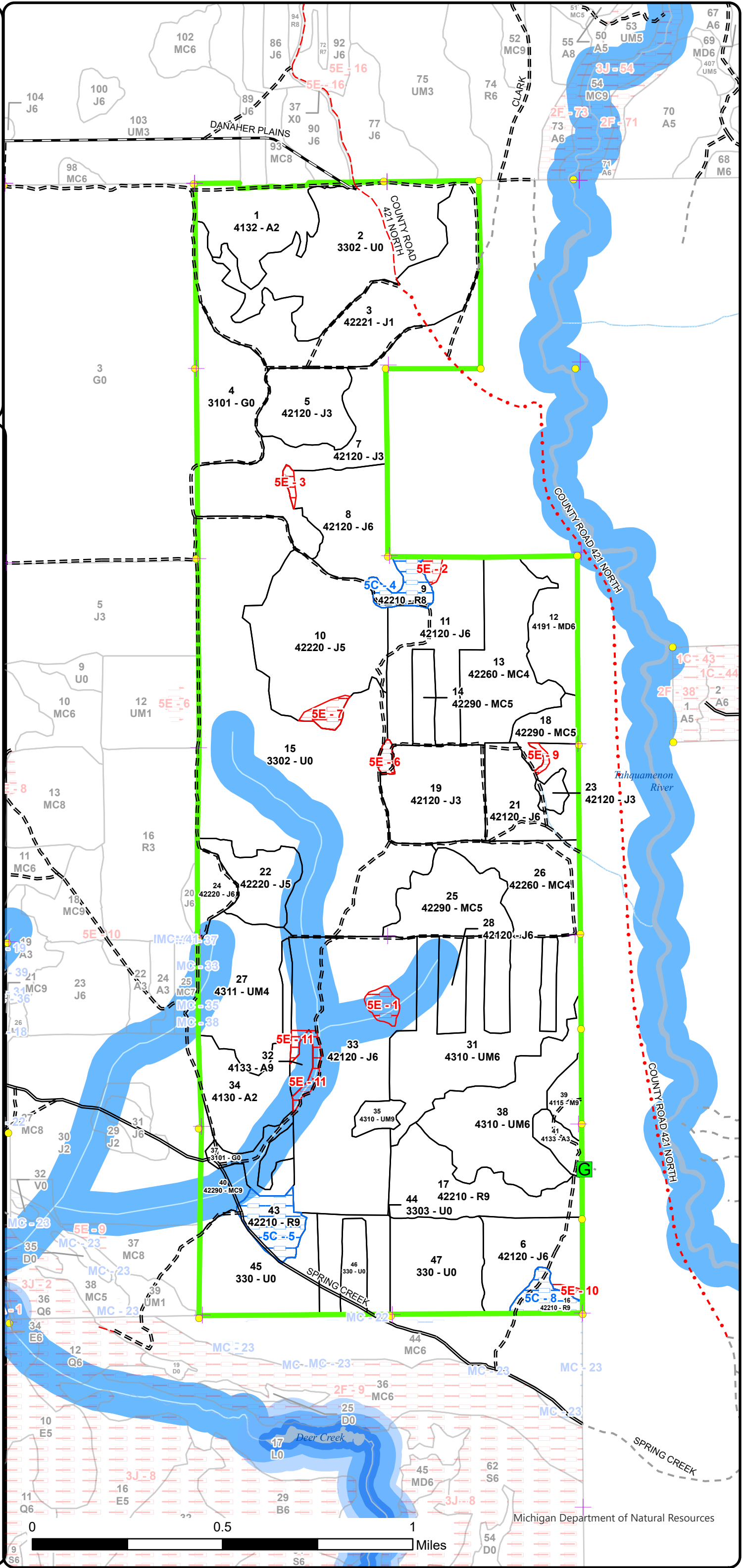
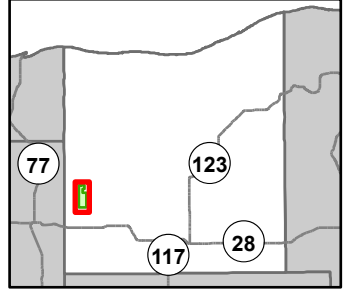


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- 330 - Low Density Trees



Special Conservation Areas & Site Conditions Map

Compartment: 42097
 T46N, R12W, Sec: 4, 9, 16
 County: Luce
 Unit: Newberry
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 Moraine Complex
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- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	8	80	0	0	4	0	0	0	0	0	0	0	0	0	0	92
Herbaceous Openland	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Jack Pine	0	0	119	29	192	42	0	272	0	0	0	0	0	0	0	0	0	0	654
Low-Density Trees	415	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	415
Mixed Upland Deciduous	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	26
Natural Mixed Pines	0	0	0	0	37	34	0	11	0	24	0	0	0	0	0	0	0	51	157
Northern Hardwood	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	8
Red Pine	0	0	0	0	0	0	0	0	0	74	0	0	0	0	0	0	0	0	74
Upland Mixed Forest	0	0	0	0	49	0	0	0	6	0	0	0	0	0	0	0	0	137	192
Total	464	0	119	37	358	76	26	287	6	107	0	0	0	0	0	0	0	188	1667



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 97
Total Compartment Acres: 1,668

Commercial Harvest - 564
 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	Overshoot Removal	Salvage	Other	Total Acres
Aspen	4	0	0	0	0	0	0	0	0	4
Herbaceous Openland	38	0	0	0	0	0	0	0	0	38
Jack Pine	373	0	0	0	0	0	0	0	0	373
Mixed Upland Deciduous	0	0	0	0	0	26	0	0	0	26
Red Pine	0	0	0	0	43	0	0	0	0	43
Upland Mixed Forest	23	0	0	0	57	0	0	0	0	80
Total	438	0	0	0	57	43	26	0	0	564

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	564	0	0	0	0	231	0	0	0	795
Next Step	0	733	733	161	0	321	753	223	0	2923
Total	564	733	733	161	0	321	983	223	0	3718



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:

6	42097006-Cut	32.8	42120 - Planted Jack Pine	Poletimber Well	62	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut with built in pocket retention.

Specs:

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

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

8	42097008-Cut	40.4	42120 - Planted Jack Pine	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Cut everything down to 2". Retention built into the treatment. Leave all oak.

Specs:

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

Acceptable jack pine

Regen:

Other

The stand is declining due to jpbw, there is around 20-30% mortality and diameter growth is very minimal.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

10	42097010-Cut	72.3	42220 - Natural Jack Pine	Poletimber Medium	39	1-50	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Clearcut with pocket retention built into the treatment. Leave all oak.

Specs:

Next Step SitePrep, Scarification; Seeding, Machine Seed; Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant
Treatments:

Acceptable jack pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

11	42097011-Cut	50.1	42120 - Planted Jack Pine	Poletimber Well	62	111- 140	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Clearcut. Retention is built into the treatment. Leave all oak. Leave diversity in the red line.

Specs:

Next Step Planting, Unfurrowed; SitePrep, Scarification; Monitoring, Artificial Regen(1yr); SitePrep, Trenching; Planting, Initial Plant; Monitoring,
Treatments: Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand

Acceptable jack 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
12 42097012-Cut	26.0	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	56	51-80	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Cut all jack, aspen and paper birch. Mark a total of 104 (4/acre) white pine and red pine to leave. Try to spread the leave trees out evenly across the treatment. Leave all deciduous trees 5" and under. Leave all red oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
17 42097017-Cut	42.7	42210 - Natural Red Pine	Sawtimber Well	87	111-140	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all aspen, birch and red maple. Mark to cut red and white pine and red oak to achieve 80-90 BA residual.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> red pine, white pine, red oak, paper birch</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
21 42097021-Cut	33.4	42120 - Planted Jack Pine	Poletimber Well	62	81-110	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention on the edge</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Planting, Unfurrowed; Monitoring, Artificial Regen(1yr); SitePrep, Trenching; Planting, Initial Plant; Monitoring,</p> <p><u>Treatments:</u> Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand</p> <p><u>Acceptable Regen:</u> jack pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
28 42097028-Cut	6.5	42120 - Planted Jack Pine	Poletimber Well	62	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut. Leave all oak.</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 Regen:</u> jack pine, red maple, red oak</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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
31 42097031	17.0	4310 - Pine, Oak Mix	Poletimber Well	57	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention build into the treatment. Leave all oak. Retain 9 large (over 20") scattered white pine. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Seeding, Machine Seed; SitePrep, Scarification; ; <u>Treatments:</u> Monitoring, Natural Regen (Intermediate) <u>Acceptable</u> jack pine, red pine, white pine, oak, birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
32 42097032-Cut	4.2	4133 - Aspen, Mixed Pine	Sawtimber Well	69	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. Leave all oak. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, oak, jack pine, red maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
33 42097033-17-New	66.1	42120 - Planted Jack Pine	Poletimber Well	62	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention build into the treatment. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Release; Othe <u>Acceptable</u> red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
28 42097033-2	23.3	42120 - Planted Jack Pine	Poletimber Well	62	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention build into the treatment. Leave all oak. Retain 9 large (over 20") scattered white pine. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Seeding, Machine Seed; Planting, Initial Plant; SitePrep, Trenching; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> jack pine, red pine, white pine, oak, birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</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
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33	42097033-Cut	48.2	42120 - Planted Jack Pine	Poletimber Well	62	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Clearcut with retention build into the treatment. Leave all oak. Retain 9 large (over 20") scattered white pine.

Specs:

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; Planting, Initial Plant; Seeding, Machine Seed; SitePrep, Trenching
Treatments:

Acceptable jack pine, red pine, white pine, oak, birch

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

35	42097035-Cut	5.7	4310 - Pine, Oak Mix	Sawtimber Well	79	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut. No retention due to small size.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant

Treatments:

Acceptable oak, red pine, white pine, jack pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

38	42097038-Cut	57.2	4310 - Pine, Oak Mix	Poletimber Well	78	81-110	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Cut all aspen, paper birch and red maple. Thin the residual trees to 50-60 BA. BA may fall under 50 in some areas. Open up areas around residual oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable red pine, white pine, red oak, red maple, paper birch, aspen

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Approved Treatments:

4	42097004-Cut	38.2	3101 - Poverty Grass, Cladonia	Nonstocked	Immature		Harvest	Clearcut	211 - Cropland		No
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Prescription Final harvest and leave no retention to maintain opening.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable No regeneration is desired to maintain opening.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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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
15 42097015-Monitor	219.6	3302 - Low Density Conifer Trees	Nonstocked		Immature	Monitoring	Natural Regen (Re-Inventory)	3301 - Low Density Deciduous Trees		No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u> ; Planting, Interplant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> scattered oak for WLD</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> 4 /26/2019</p>										
37 42097037-Monitor	10.9	3101 - Poverty Grass, Cladonia	Nonstocked			Monitoring	Other - Specify	3301 - Low Density Deciduous Trees		No
<p><u>Prescription</u> monitor per WLD</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> scattered oak per WLD</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> 11/21/2023</p>										

Total Treatment Acreage Proposed: 794.6

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 97
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	5E
		With Condition	Not Available			
92	92	0	0	Aspen		
49	49	0	0	Herbaceous Openland		
654	636	0	18	Jack Pine		18
415	415	0	0	Low-Density Trees		
26	26	0	0	Mixed Upland Deciduous		
159	157	0	2	Natural Mixed Pines		2
9	9	0	0	Northern Hardwood		
74	43	31	0	Red Pine	31	
192	192	0	0	Upland Mixed Forest		
1,668	1,618	31	20	Total Forested Acres	31	20
	97%	2%	1%	Relative Percent		

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 97
Year of Entry: 2026

4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was thinned 2008.							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 97
Year of Entry: 2026

11	Unavailable	5E: Long-Term Retention	4	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



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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
1	4132 - Aspen, Jack Pine	Sapling Medium	37.0	33	Immature	N/A	Aspen and Jack Pine mix. Cut in 1987. Burned in 1991.																																																											
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2	3302 - Low Density Conifer Trees	Nonstocked	81.0		Immature	Managed Opening	Prescribed burn in 1991 for opening maintenance. Currently filling in with trees and shrubs.																																																											
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3	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Poor	83.7	33	Immature	N/A	Natural regeneration of trees. Burned in 1991 for opening maintenance. There are quite a lot of trees now. Jack Pine and Aspen, with scattered cherry and juneberry. Soil is Vilas Loamy Sand 0-6% slopes.																																																											
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4	3101 - Poverty Grass, Cladonia	Nonstocked	37.6		Immature	Managed Opening	Prescribed for burn with stand 3 adjacent compartment 96. Burned 6/9/15 under FTP 42-872. Burned in 1997, 2000, 2003 and 2015.																																																											
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5	42120 - Planted Jack Pine	Sapling Well	28.8	24	Immature	N/A	Cut in 1998 (TS#42-038-96). Planted in May 2000 (FTP C42-440).																																																											
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6	42120 - Planted Jack Pine	Poletimber Well	33.9	62	81-110	N/A	Planted JP with other species mixed in. JPBW damage																																																											
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7	42120 - Planted Jack Pine	Sapling Well	73.1	14	Immature	N/A	TS# 42-005-06-01. Planted to JP in spring 2010.																																														
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8	42120 - Planted Jack Pine	Poletimber Well	41.8	49	81-110	N/A	JP has dieback due to jp budworm. Very few RP and WP. small size for age of stand																																														
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9	42210 - Natural Red Pine	Sawtimber Medium	8.6	83	1-50	N/A	Cut in 2009 (TS#005-06). Scarified 2011 (FTP C42-661). Residual BA varies from 0 to 100. Regen check in spring 2014 shows 211 t/ac. Plant areas with insufficient regen to JP. 10/26/18 - Cancelled planting due to small acreage and time since scarification.																																														
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10	42220 - Natural Jack Pine	Poletimber Medium	76.3	39	1-50	N/A	Cut in 1985. The south part of the stand is less dense. There are a few scattered larger residual trees (jp, rp, wp). Stand is in decline due to jpbw.																																														
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11	42120 - Planted Jack Pine	Poletimber Well	52.1	62	111-140	N/A	Planted JP with scattered RP, WP, oak and red maple. Old RR grade w/in stand not drivable.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	26.0	56	51-80	N/A	Mix of hardwoods and conifers with variable species composition, density and size.
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Pole	8	
White Pine	15	Log	14	
Paper Birch	9	Pole	8	
Balsam Fir	2	Pole/Sapling	6	
Bigtooth Aspen	20	Pole	9	56
Quaking Aspen	10	Pole	6	
Red Oak	2	Pole	8	
Jack Pine	10	Pole	7	
Red Maple	20	Pole	7	
Red Pine	10	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	5 - 10 feet	Sapling
Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
White Pine	High	5 - 10 feet	Sapling
Red Pine	Low	10 - 20 feet	Sapling
Red Maple	High	5 - 10 feet	Sapling
Paper Birch	Low	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling

13	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	51.1	55	1-50	N/A	Natural succession of old stump field to clumps of trees. Species composition, size, and density varies greatly throughout.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Pole/Sapling	7	
Red Maple	15	Pole/Sapling	7	
Quaking Aspen	5	Pole/Sapling	6	
Bigtooth Aspen	5	Pole/Sapling	6	
White Pine	35	Pole/Log/Sap	9	55
Red Pine	20	Pole/Log/Sap	9	
Paper Birch	5	Pole/Sapling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Red Pine	Low	5 - 10 feet	Sapling
White Pine	Medium	5 - 10 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling

14	42290 - Natural Mixed Pine	Poletimber Medium	11.4	62	1-50	N/A	Natural stand of varying density, size and species of trees. More open at north. SW corner of stand is natural log-sized red pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	
Red Oak	5	Pole/Sapling	6	
Bigtooth Aspen	10	Pole/Sapling	7	
White Pine	15	Pole/Log/Sap	9	
Jack Pine	20	Pole/Sapling	6	
Red Pine	45	Log	12	62

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Red Pine	Low	5 - 10 feet	Sapling
Red Maple	Low	< 5 feet	Sapling
Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15	3302 - Low Density Conifer Trees	Nonstocked	219.6		Immature	No	Burned in 1991. Filling in with trees. planted ~250 large oak in summer 2018				
								Sub-Canopy Species	Density	Avg. Height	Size
								Red Oak	Low	>20 feet	Pole
								Black Cherry	Low	Variable	Sapling
								Bigtooth Aspen	Medium	Variable	Sapling
								Serviceberry (Juneberry)	Medium	5 - 10 feet	Tall Shrub
								Jack Pine	Medium	>20 feet	Pole
								Quaking Aspen	Low	Variable	Sapling
								Red Maple	Low	>20 feet	Pole
Red Pine	Low	>20 feet	Log								

16	42210 - Natural Red Pine	Sawtimber Well	8.2	86	81-110	N/A	Harvested as "Danaher Pine" #003-06-01.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Oak	5	Pole/Log	9	
								Red Pine	85	Log/Pole	12	86
								White Pine	10	Log/Pole	12	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Jack Pine	Low	Variable	Pole	
								Red Oak	Low	< 5 feet	Sapling	
								Paper Birch	Low	>20 feet	Pole	
Red Pine	Low	< 5 feet	Sapling									
Red Maple	Low	< 5 feet	Sapling									
White Pine	High	5 - 10 feet	Sapling									

17	42210 - Natural Red Pine	Sawtimber Well	42.7	87	111-140	N/A	Natural RP with other species. BA is variable, and stand contains some small openings. East side is more diverse and west side is heavy to red pine.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Oak	5	Pole/Log	8	
								Paper Birch	2	Pole/Sapling	6	
								Bigtooth Aspen	5	Pole	8	
								White Pine	8	Log/Pole/XLog	12	
								Red Pine	80	Log/Pole/XLog	12	87
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Maple	Low	5 - 10 feet	Sapling	
Red Oak	Medium	< 5 feet	Seeding									
White Pine	High	5 - 10 feet	Sapling									
Beech	Low	< 5 feet	Sapling									

18	42290 - Natural Mixed Pine	Poletimber Medium	12.1	86	51-80	N/A	Mix of species, density and size. Fairly open.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Bigtooth Aspen	5	Pole	8	
								White Pine	30	Log	14	86
								Red Maple	5	Pole/Sapling	6	
								Jack Pine	20	Pole	7	
								Red Oak	10	Pole	8	
								Paper Birch	5	Pole/Sapling	6	
								Red Pine	25	Log	12	
Sub-Canopy Species	Density	Avg. Height	Size									
White Pine	Medium	Variable	Sapling									
Red Pine	Low	5 - 10 feet	Sapling									
Jack Pine	Low	5 - 10 feet	Sapling									
Serviceberry (Juneberry)	Low	Variable	Tall Shrub									
Bigtooth Aspen	Low	5 - 10 feet	Sapling									

19	42120 - Planted Jack Pine	Sapling Well	42.0	14	Immature	N/A	Planted to JP in spring 2010 (FTP C42-658). Regen count 2014: 932 JP t/ac, 266 A t/ac, 22 RM t/ac.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	100	Sapling	2	14
Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	Low	10 - 20 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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21	42120 - Planted Jack Pine	Poletimber Well	34.4	62	81-110	N/A	Planted JP with scattered RP, WP, and oak. High jp mortality
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	Log	12	
Red Pine	3	Log	14	
Jack Pine	95	Pole	8	62
Red Oak	1	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	< 5 feet	Sapling
White Pine	Low	< 5 feet	Sapling

22	42220 - Natural Jack Pine	Poletimber Medium	22.1	33	1-50	N/A	Cut in 1986 and burned in 1991. Naturally regenerating to JP with a mix of other species. A few scattered older residual trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Pole	6	
Bigtooth Aspen	5	Pole	6	
Red Pine	5	Pole	5	
White Pine	5	Pole	5	
Jack Pine	75	Pole	6	33
Red Maple	5	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Medium	5 - 10 feet	Tall Shrub
Jack Pine	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling

23	42120 - Planted Jack Pine	Sapling Well	4.2	14	Immature	N/A	TS#003-06-01 complete in 2008. Trenched 10/09 (FTP C42-657. 2014 regen survey: 867 JP t/ac, 66 WP t/ac, 33 Aspen t/ac. Fully stocked.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Sapling	2	
Jack Pine	95	Sapling	2	14
Bigtooth Aspen	3	Sapling	2	

24	42220 - Natural Jack Pine	Poletimber Well	10.1	38	51-80	N/A	Cut with TS#002-86. Variable density - some sparse areas.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling/Pole	4	
Red Oak	5	Pole	6	
White Pine	10	Pole	8	
Red Pine	5	Pole	6	
Jack Pine	75	Pole	8	38

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
Serviceberry (Juneberry)	Medium	5 - 10 feet	Tall Shrub

25	42290 - Natural Mixed Pine	Poletimber Medium	34.2	42	1-50	N/A	Scattered larger pine and oak with a mix of poles and saplings. Some areas of the stand are more open than others. Lots of aspen saplings filling in some of the open areas.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	20	Log/Pole	10	
Jack Pine	40	Pole	7	42
White Pine	20	Log	12	
Paper Birch	5	Pole	7	
Red Pine	15	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	< 5 feet	Pole
Red Pine	Low	< 5 feet	Sapling
Jack Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	High	>20 feet	Sapling
Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Red Maple	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26 42260 - Natural Pine, Mixed Deciduous Poletimber Poor 37.4 39 1-50 N/A Harvested in 1985.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole	10		Serviceberry (Juneberry)	Medium	Variable	Tall Shrub
Red Maple	5	Pole	7					
Red Oak	10	Pole	7					
Quaking Aspen	5	Pole	8					
Jack Pine	25	Pole	7	39				
Bigtooth Aspen	10	Pole	8					
Paper Birch	10	Pole	7					
Red Pine	25	Log/Pole	10					

27 4311 - Pine, Aspen Mix Poletimber Poor 49.3 33 1-50 N/A Stand was harvested in 1985, and burned in 1991. Naturally regenerating to a mix of conifers and hardwoods.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	35	Pole/Sapling	6	33	Serviceberry (Juneberry)	Medium	Variable	Tall Shrub
Quaking Aspen	5	Pole/Sapling	6					
Red Pine	5	Pole/Sapling	6					
Black Cherry	5	Pole/Sapling	6					
Red Oak	5	Pole/Sapling	6					
Red Maple	5	Pole/Sapling	6					
White Pine	5	Pole/Sapling	6					
Jack Pine	35	Pole/Sapling	6					

28 42120 - Planted Jack Pine Poletimber Well 29.4 62 51-80 N/A A lot of hardwood regen, especially in the south. Jack pine is dying and about 15% are already dead.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	8	Log	14		Red Maple	High	< 5 feet	Sapling
Jack Pine	85	Pole	8	62	Red Oak	High	< 5 feet	Sapling
Paper Birch	2	Pole	6		White Pine	Medium	< 5 feet	Sapling
Red Oak	5	Log/Pole	10		Beech	Low	< 5 feet	Sapling
					Red Pine	Low	< 5 feet	Sapling

31 4310 - Pine, Oak Mix Poletimber Well 80.1 57 51-80 N/A A mix of species, ages and sizes throughout. Scattered open areas. Seedling through log sized trees with variable density.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log/Pole	10		White Pine	High	Variable	Sapling
Paper Birch	5	Pole/Sapling	7		Red Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	10	Pole	8		Jack Pine	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Pole/Sapling	6		Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Red Pine	20	Log/XLog	16		Red Maple	Medium	5 - 10 feet	Sapling
Jack Pine	15	Pole	7		Quaking Aspen	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Sapling	6		Bigtooth Aspen	Medium	10 - 20 feet	Sapling
White Pine	20	Log	12	57	Red Oak	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32 4133 - Aspen, Mixed Pine Sawtimber Well 4.2 69 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole/Log	9		White Pine	Medium	< 5 feet	Sapling
Jack Pine	10	Pole	8		Serviceberry (Juneberry)	Low	Variable	Tall Shrub
Paper Birch	2	Pole	8		Jack Pine	Low	< 5 feet	Sapling
Red Oak	5	Log	10		Red Maple	Low	< 5 feet	Sapling
Bigtooth Aspen	70	Log	11	69				
Red Maple	3	Pole	8					

33 42120 - Planted Jack Pine Poletimber Well 122.5 62 81-110 N/A

Planted JP with scattered RP, oak, WP, aspen and paper birch. The northeast contains a lot of oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	7		White Pine	Medium	< 5 feet	Sapling
Quaking Aspen	2	Pole	8		Beech	Low	Variable	Sapling
White Pine	5	Log/Pole	12		Red Maple	Low	>20 feet	Sapling
Jack Pine	71	Pole	8	62	Red Oak	Low	< 5 feet	Seeding
Red Oak	10	Pole	9					
Red Pine	10	Log/Pole	12					

34 4130 - Aspen Sapling Medium 42.5 33 Immature N/A

Cut in 1985 (#024-85) and burned in 1991.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Sapling	4		White Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	70	Sapling	4	33	Jack Pine	Medium	< 5 feet	Sapling
White Pine	5	Sapling	4		Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Jack Pine	5	Pole/Sapling	5					
Red Maple	5	Sapling	4					
Red Oak	5	Pole	8					
Paper Birch	5	Sapling	4					

35 4310 - Pine, Oak Mix Sawtimber Well 5.7 79 111-140 N/A

Mixed stand of RP, WP, JP, oak and aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Pole/Log	9		Red Oak	High	< 5 feet	Seeding
Red Pine	25	Log/Pole	12		White Pine	High	5 - 10 feet	Sapling
White Pine	20	Log/Pole	12		Beech	Low	< 5 feet	Sapling
Red Oak	30	Log	12	79	Red Maple	Low	5 - 10 feet	Sapling
Jack Pine	10	Pole/Sapling	7		Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Paper Birch	5	Pole/Sapling	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
37	3101 - Poverty Grass, Cladonia	Nonstocked	10.9			No	Burned in 1991. Starting to fill in with trees, especially around the edges. planted ~150 large oak in summer 2018. All oak appear to be dead.																																																											
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38	4310 - Pine, Oak Mix	Poletimber Well	57.2	78	81-110	N/A	Variable species composition and BA with some small openings. Mainly oak with a mix of other species.																																																											
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39	4115 - Y.Birch, Hemlock NH	Sawtimber Well	8.5	89	51-80	N/A	Thinned with Sale #42-004-06-01. Dense regeneration. Regen survey summer 2012: hem = 205, RM = 1198, black cherry = 342, total TPA = 3596. Beech residual is dying and red maple has some top dieback.																																																											
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40	42290 - Natural Mixed Pine	Sawtimber Well	12.4	86	81-110	N/A	Mix of red and white pine with other species present. BA is variable with some scattered small openings.																																																											
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43	42210 - Natural Red Pine	Sawtimber Well	14.0	86	81-110	N/A	Sale #003-06-01, complete in 2008.																																																
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44	3303 - Mixed Low Density Trees	Nonstocked	20.8	0	Immature	4212 - Planted Jack Pine	Stand clearcut (Danaher Plains Pine 42-028-15). Completed 2/4/2020. All oak left. All red pine & white pine greater than 18" dbh left. Stand was planted JP with a mix of other species. 7/17/2020 - Site was trenched summer 2020. Budget constraints pushed planting JP in site back to FY2022 (10/1/2021). Site planted in spring of 2021 with 705 TPA of Jack pine to 820 TPA stocking; regen check in fall of 2021. Regen survey fall of 2021 (contractor): Jack Pine 770 TPA. 12-15-20: Changed planting date back to 10/1/20. Possibility of using KW seedlings on the site. Artificial regen check 9/20/23 Planted Jack Pine 690 TPA Non target 2720 TPA Moderate aspen competition Recommended for release by contractor.																																																
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