



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42043

Entry Year 2024

Acreage: 3,016

County Luce

Management Area: Deer Park

Stand Examiner: Lester Livermore

Legal Description:

T50N R8W Sections 15-22, 27-30; T50N R9W Section 25

Identified Planning Goals:

Maintain forest productivity, forest health, species diversification, and age class diversity through continued silvicultural and natural processes. Treatments prescribed will help ensure the sustainability of the forest resource, enhance age class diversity in the main forest cover types and continue to improve the quality of the wildlife habitat. Jack Pine and Red Pine management will continue with the current sustainable level of management to promote both age class and structural diversity.

Soil and topography:

The major soil type within the compartment is Rubicon sand. Deer Park sand, Au Gres-Dawson-Rubicon complex, Wallace sand, Croswell, and Kinross muck soils are also found within the compartment. Topography is mainly rolling hills with sand dunes along the Lake Superior shoreline and low wet areas around Culhane Lake and Bodi Lake.

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

The compartment is made up of a block of State ownership with private holdings around Little Lake and Bodi Lake.

Unique Natural Features:

MNFI lists the following Unique, Natural Features; Elymus mollis, Stichwort, Alternate-leaved water milfoil, American shore-grass, common loon, and Piping Plover. Potential for Incurvate Emerald, ebony boghaunter in bog and fen habitat. Potential for goshawk, merlin, osprey and eagle in red pine and white pine stands. Potential for rare plants of dry northern forest and dry mesic northern forest: Dalibarda repens, pine drops. Potential for wetland plants in v and n types such as Canada rice grass, autumnal water star wort, Wiegand's sedge, alga pondweed, english sundew, and moor rush.

Archeological, Historical, and Cultural Features:

There is one noted archeological site within the compartment.

Special Management Designations or Considerations:

Critical Dunes designation throughout the northern tier of the compartment following the Lake Superior shoreline. Piping Plover habitat along the Lake Superior shoreline through the compartment.

Watershed and Fisheries Considerations:

Water bodies associated with this compartment are the Little Two Hearted River, Culhane Lake, Bodi Lake, and Three Mile Creek. The Little Two Hearted River and Three Mile Creek have native brook trout populations and receive runs of steelhead. Both are designated trout streams. Any proposed treatments near these streams should have a 100-foot riparian management zone, plus an additional 5 feet per 1% increase in slope. Any clear-cut treatments in stands where aspen is a significant component or where aspen regeneration is likely, a buffer of 300 feet should be adhered to. If crossing the rivers for access, bank erosion should be minimized. Culhane and Bodi Lakes are quality coolwater fisheries and will require a 100-foot riparian management zone, allowing only selection cuts within 25 feet of the ordinary high-water mark. Streams draining to and from Bodi Lake should have a 100-foot riparian management zone, allowing only selection cuts within 25 feet of the ordinary high-water mark. The treatment line for Stand 35 should meet the 100-foot RMZ along Culhane Creek.

Wildlife Habitat Considerations:

Compartment 43 lies in far north eastern Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-section. The compartment is bordered by Lake Superior to the north and it lies immediately east of the 2012 Duck Lake fire. The compartment is predominately red and jack pine with a component of mixed conifer, oak, and spruce stands. Culhane, Bodi and Little Lake are situated in the compartment.

The compartment lies in the Deer Park Management Area with red crossbill, Kirtland's warbler, piping plover, and american marten as designated featured species. 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 where they exist in harvested stands will help provide food sources, nest and den trees, and improve structural diversity of the stands. Species diversity of the stands will increase wildlife use and thus a variety of species will be retained after final harvests. Creeks will be buffered providing important travel corridors and nest and den locations. Wildlife species thought to use this compartment include white-tailed deer, black bear, red crossbill, bald eagle, marten 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 metallic minerals in this area. No known active sand/gravel pits exist in the area. There may be some potential for sand within the compartment. Some of the compartment is a designated Critical Dune Area and would be protected from surface development. No current State mineral leasing activity exists in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access to the compartment is primarily from County Roads 500, 503, 437 and 412. Additional access to most parts of the compartment can be obtained via a network of sand two track roads.

Survey Needs:

Survey needs within Sections 19, 20, and 27.

Recreational Facilities and Opportunities:

The North Country Pathway and Bodi Lake Pathway run through the compartment. In addition, The Pine Stump Snowmobile Trail runs along County Road 412. There are two State Forest Campgrounds within the compartment, one is located on Culhane Lake and the other is located on Bodi Lake. The main recreational opportunities within this compartment are camping, fishing, hiking, snowmobiling and sightseeing.

Fire Protection:

This compartment is part of the Two Hearted Zone Dispatch Area. Large fire potential exists in the continuous Upland Pine fuel types. Response time is slow due to its distance from available resources in Newberry. Access by large wheeled suppression equipment is good through the network of roads in this area. The portions west of County Road 500 and most of stand 35 were burned during the Duck Lake Fire on 5/24/2012.

Additional Compartment Information:

The following reports from the Inventory are attached:

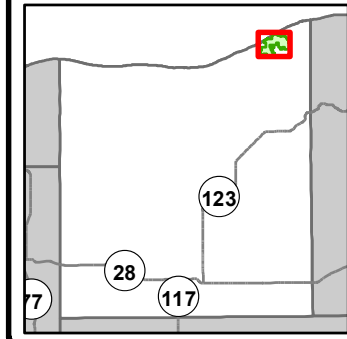
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

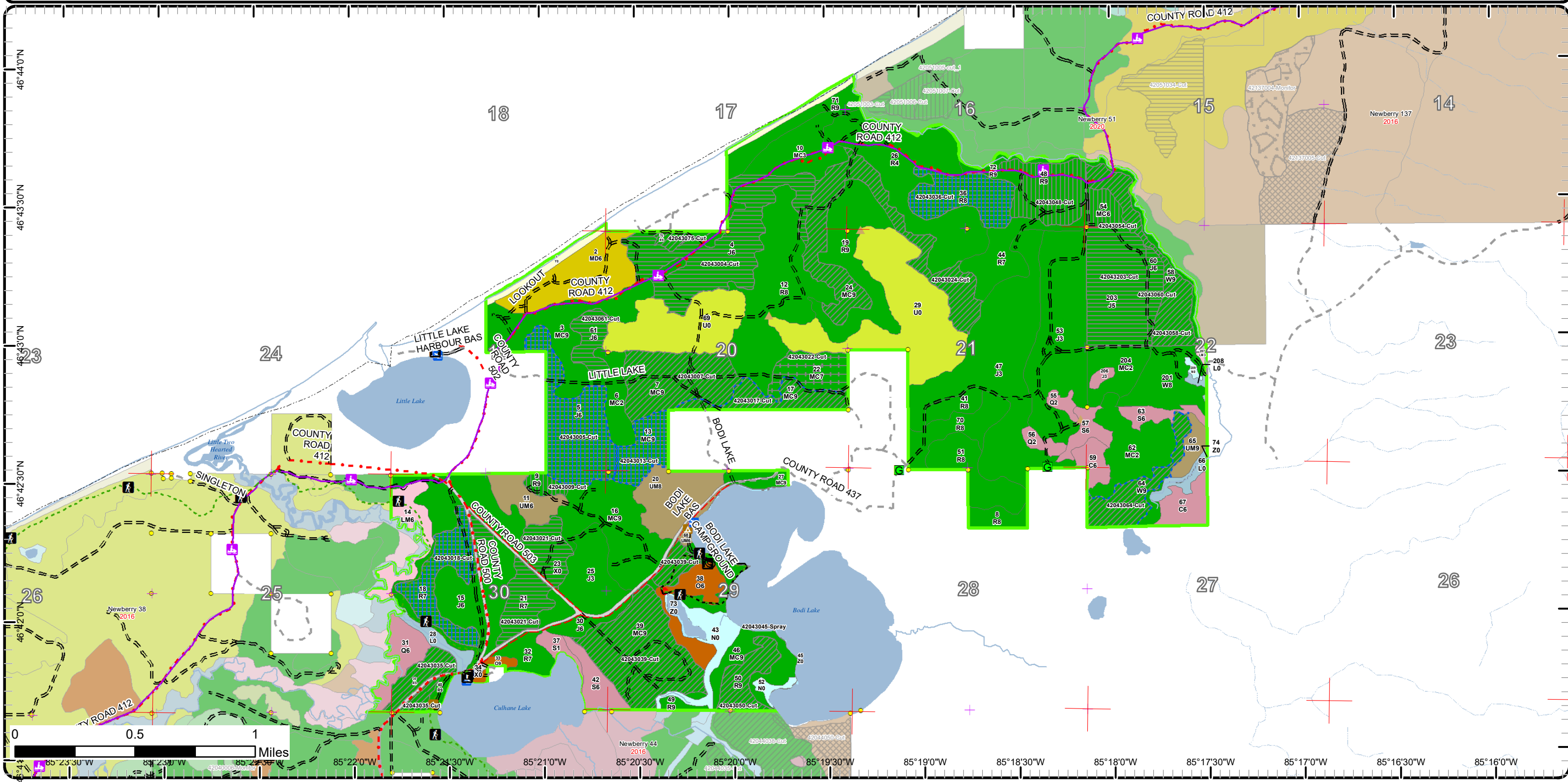
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 43
 T50N, R08W, Sec. 15-17, 19-22, 27-30
 T50N, R09W, Sec. 25
 County: Luce
 Unit: Newberry
 Mgmt Area: Deer Park
 YOE: 2024
 Acres: 3015.9 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023
 Map Phase: Post-Review

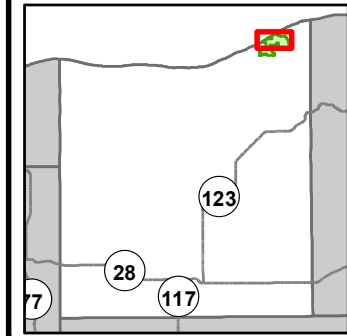


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Toilet
- Berms
- Gate
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- Campground
- Parking Lot
- Sign
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- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Pesticide
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

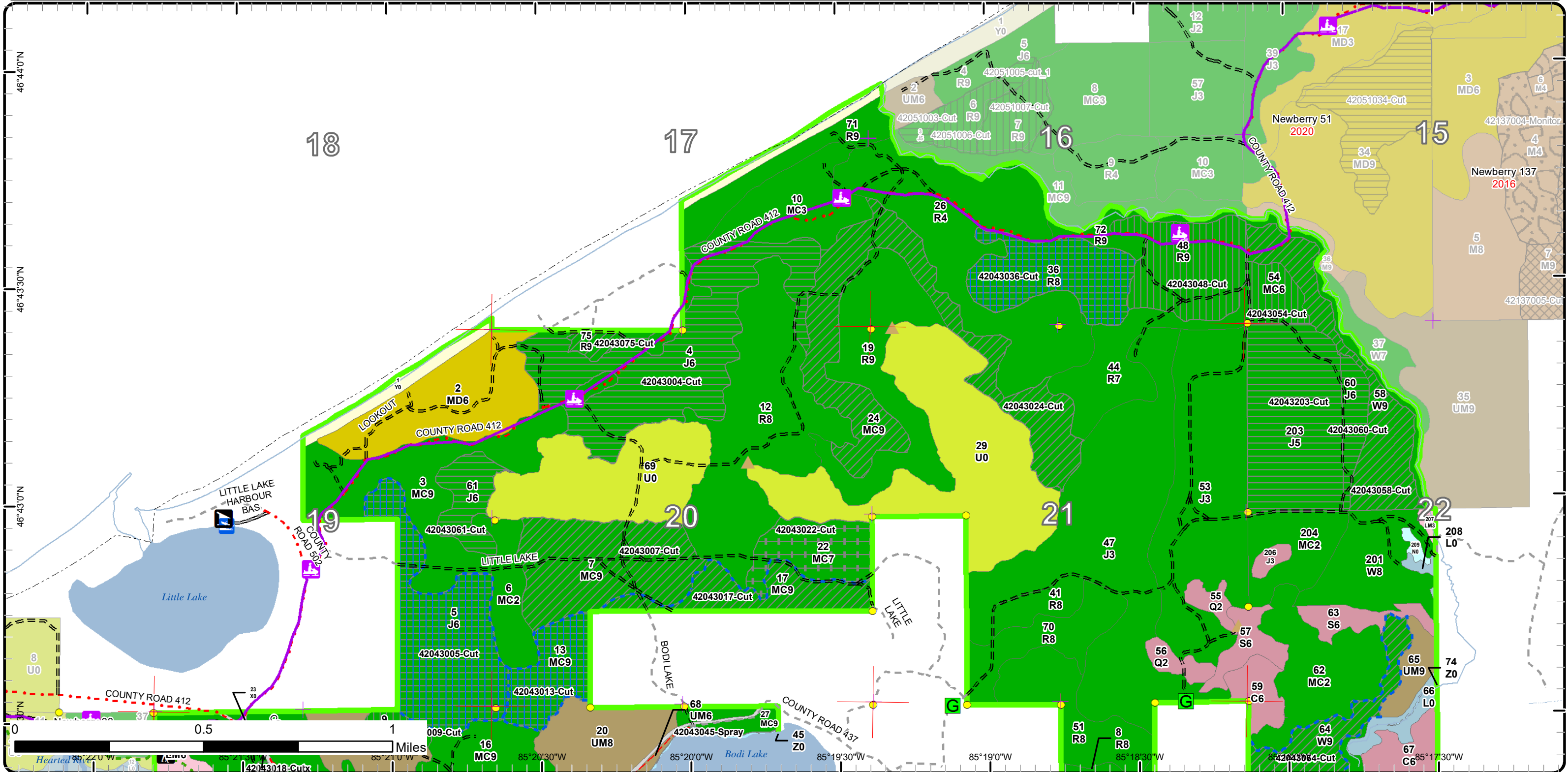


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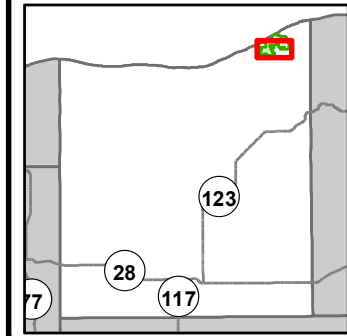


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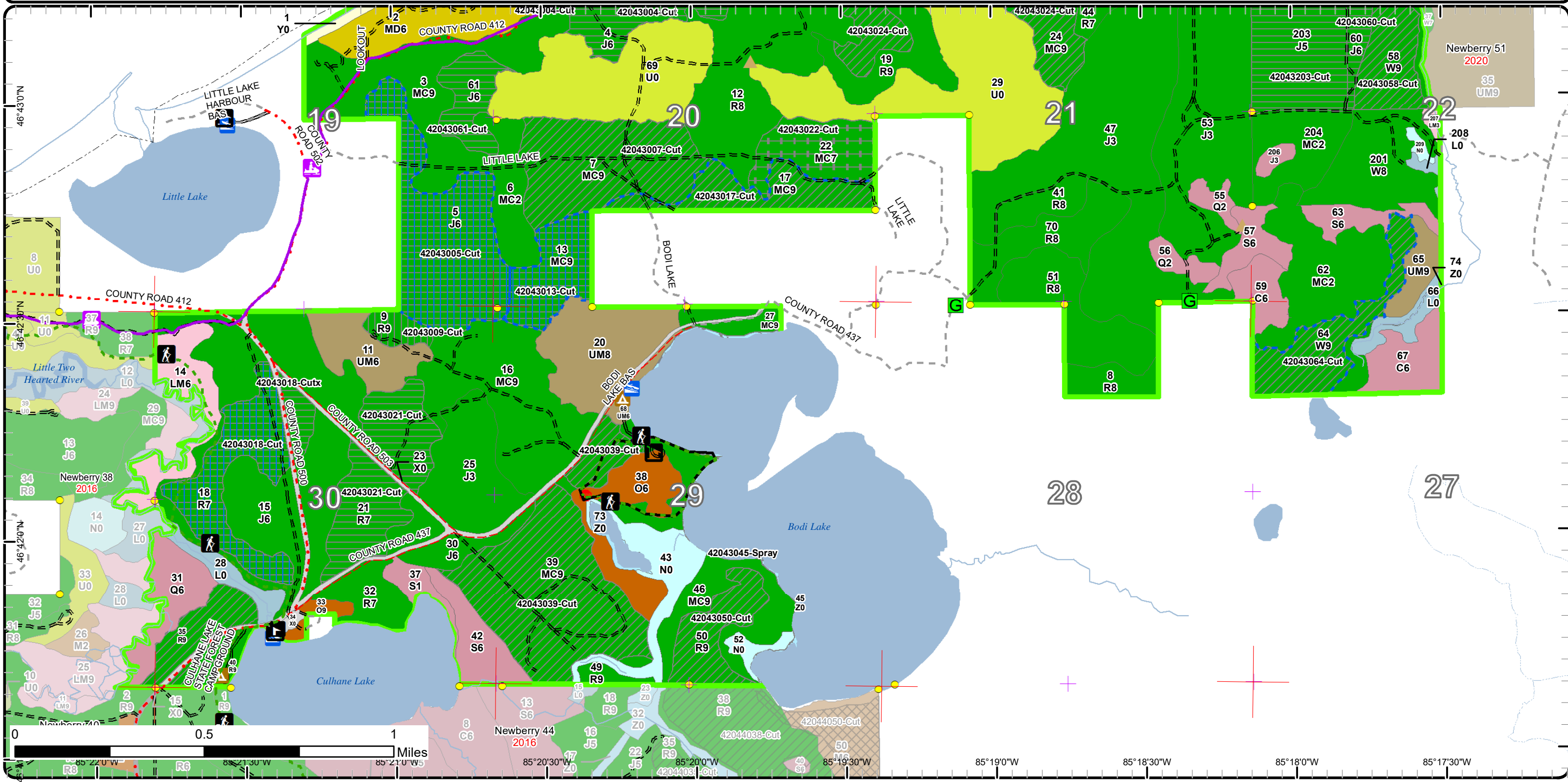


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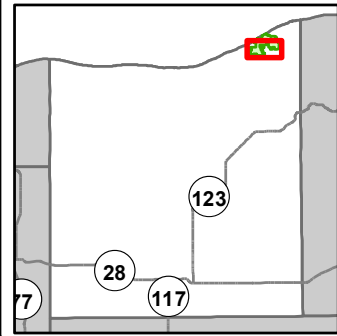


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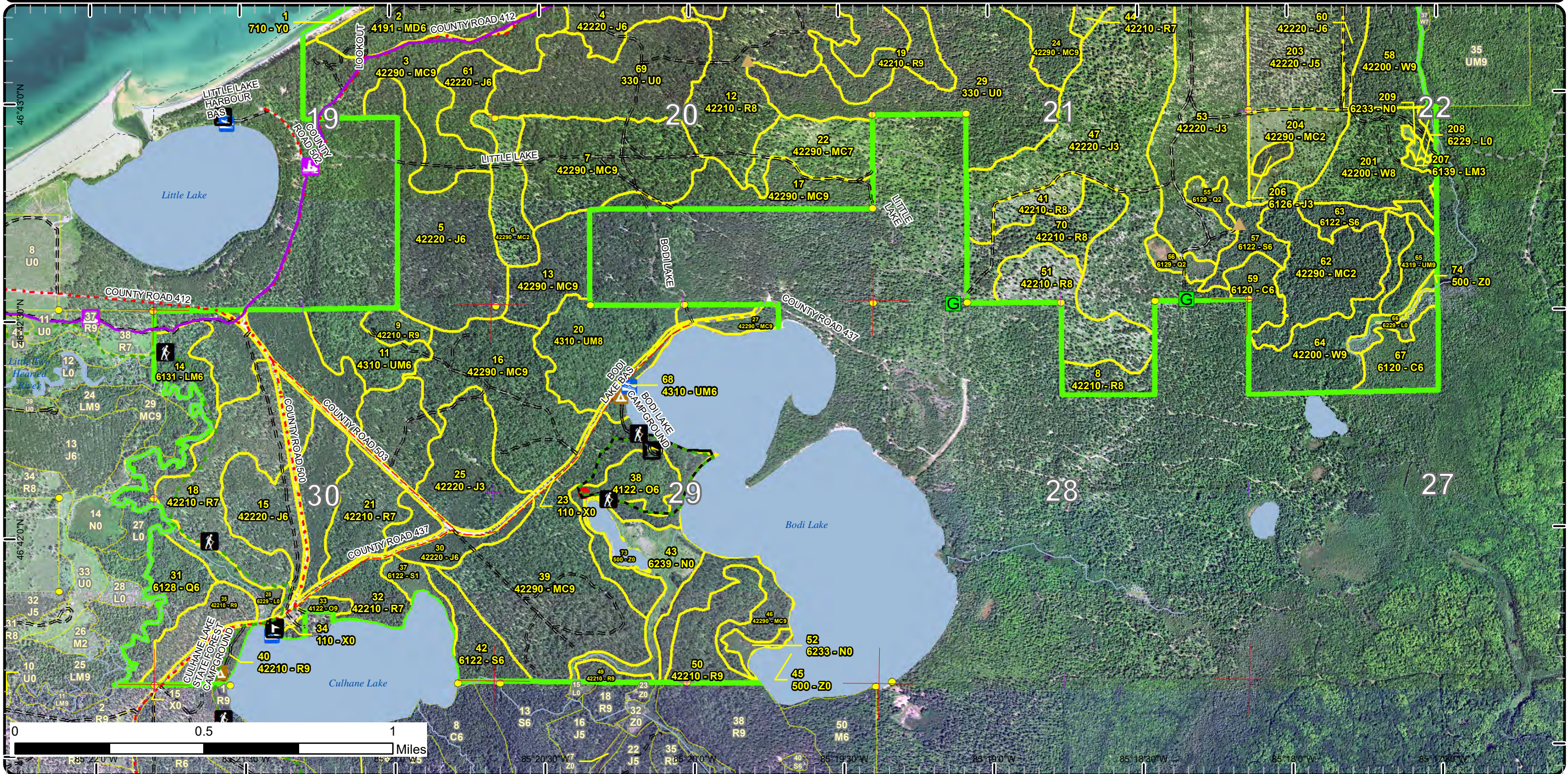


Stand Boundary Map

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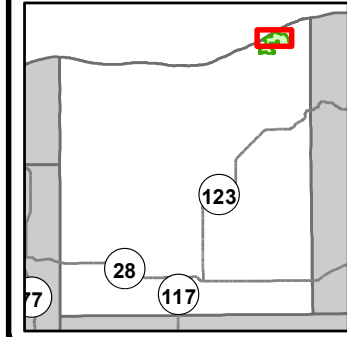


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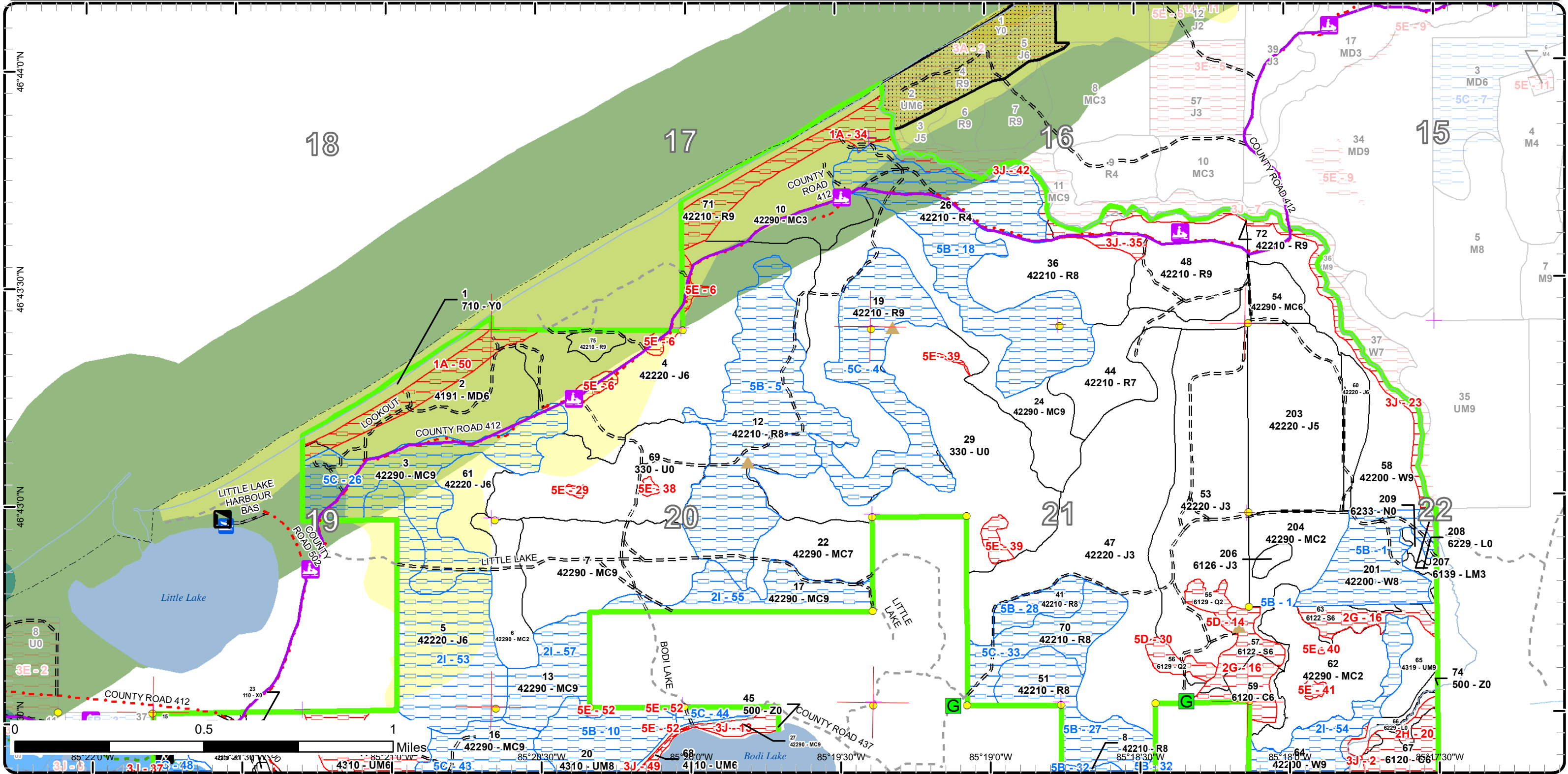


Special Conservation Areas

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- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- 🌊 Lakes and Rivers
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 🚫 Unavailable
- 1A: Federal/State/Local Law
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- 🏠 Stand Boundaries
- 📶 SCA
- 🟡 Critical Dunes
- 🟢 Critical Coastal Habitat (Piping Plover)
- 🟦 Cold Water Streams
- 🟦 Cold Water Lakes
- 🟡 Non-Dedicated Natural Areas and National Natural Landmarks
- 🟢 High Priority Trout Stream Buffer
- 🟠 Contiguous Resource Area



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 43

Year of Entry 2024

Lester Livermore : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	34
Jack Pine	0	0	0	262	44	122	78	138	90	0	0	0	0	0	0	0	0	0	734
Low-Density Trees	196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196
Lowland Conifers	0	0	0	0	0	0	0	7	0	0	24	0	6	0	0	0	0	0	37
Lowland Mixed Forest	0	0	0	0	0	0	2	28	0	0	0	0	0	0	0	0	0	0	30
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	0	0	0	8	0	0	20	0	25	0	0	0	0	0	53
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	63
Natural Mixed Pines	0	50	28	23	41	0	0	0	14	29	57	295	83	89	0	0	0	0	709
Oak	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	34
Red Pine	0	0	0	0	0	0	0	0	37	95	5	338	268	18	0	0	0	0	761
Sand, Soil	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	12	50	25	0	0	0	0	0	0	87
Urban	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Water	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
White Pine	0	0	0	0	0	0	0	0	0	0	0	41	0	102	0	0	0	0	143
Total	335	50	28	285	85	122	80	181	204	136	156	699	416	209	0	0	34	0	3018



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 43

Total Compartment Acres: 3,016

Commercial Harvest - 840
 Harvests with Site Condition - 175
 Next Step Harvest - 29
 Habitat Cut - 29

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	221	0	0	77	0	0	0	0	0	297
Natural Mixed Pines	0	0	0	29	14	297	29	0	0	368
Red Pine	62	0	0	91	56	57	0	0	0	266
White Pine	0	0	0	0	0	83	0	0	0	83
Total	282	0	0	197	69	437	29	0	0	1015

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	1015	0	0	0	0	27	0	0	0	1042
Next Step	29	775	625	0	0	305	983	0	0	2717
Total	1044	775	625	0	0	332	983	0	0	3759



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

4	42043004-Cut	110.8	42220 - Natural Jack Pine	Poletimber Well	69	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species present. Pocket retention 3 - 5%. Retention pocket adjacent to the county road 412. Retain all oak within a tree length</p> <p><u>Specs:</u> buffer on both sides of the county road. Follow critical dunes guidance. Acreage may change due to critical dune implementation. Exact location of retention may vary.</p> <p><u>Next Step</u> SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Monitoring, Artificial</p> <p><u>Treatments:</u> Regen(1yr); Planting, Unfurrowed</p> <p><u>Acceptable</u> Jack pine with red and white pine, paper birch. Minor component of Aspen and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Scarify site for natural pine regen. If natural Regen fails, trench and plant Jack pine. Intent is to flat plant in critical dunes.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
5	42043005-Cut	76.7	42220 - Natural Jack Pine	Poletimber Well	71	111-140	Harvest	Seed Tree with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species including Jack pine and paper birch. Retain 10 - 20 basal area of red and white pine where present in a minority of the</p> <p><u>Specs:</u> stand. Retain oak. Follow critical dunes guidance, keeping retention along slopes. Acreage may change due to critical dune implementation.</p> <p><u>Next Step</u> SitePrep, Scarification; Planting, Unfurrowed; Monitoring, Natural Regen (Intermediate); Monitoring, Artificial Regen(1yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine with red pine and white pine, birch and red oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Scarify after harvest. If scarification fails, flat plant to Jack Pine.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
7	42043007-Cut	67.5	42290 - Natural Mixed Pine	Sawtimber Well	106	81-110	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Thin dominant and co-dominant canopy individuals to approximately 50 - 60 basal area. Retain oak except for maneuverability (avoid</p> <p><u>Specs:</u> harvesting large diameter oak).</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> White pine with red and jack pine, red oak and paper birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Treatment will promote already existing and well stocked pine regen. Treatment will also extend rotation age of existing canopy while still</p> <p><u>Comment:</u> remaining viable for shelterwood or seed tree system in the future.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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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9	42043009-Cut	8.2	42210 - Natural Red Pine	Sawtimber Well	106	81-110	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Two-Aged	No
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Prescription Thin canopy down to 40 - 50 BA. Target largest individuals for harvest. Retain all oak.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable White pine with red pine, oak and birch.

Regen:

Other Protect white pine Regen where possible. No next steps to promote existing white pine Regen.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

13	42043013-Cut	29.2	42290 - Natural Mixed Pine	Sawtimber Well	89	81-110	Harvest	Seed Tree with Retention	4221 - Natural Red Pine	Even-Aged	No
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Prescription Harvest all species retaining 10 - 20 basal area of red pine. Retain oak.

Specs:

Next Step SitePrep, Scarification; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Initial Plant;

Treatments: Monitoring, Artificial Regen(1yr); Harvest, Overstory Removal; Monitoring, Natural Regen (Intermediate)

Acceptable Red pine with minor component of Jack and red pine, red oak and birch.

Regen:

Other Scarify stand to promote red pine Regen. If scarification fails to regenerate red pine, overstory removal of all overstory and trench and plant red pine.

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

17	42043017-Cut	33.5	42290 - Natural Mixed Pine	Sawtimber Well	100	111-140	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Even-Aged	No
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Prescription Thin overstory to 80 - 90 basal area. Retain oak and a representation of birch.

Specs:

Next Step

Treatments:

Acceptable White and red pine with red oak.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

18	42043018-Cut	45.3	42210 - Natural Red Pine	Sawtimber Poor	107	1-50	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
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Prescription Harvest approximately 1/2 of the existing basal area within the stand. Protect existing regeneration during sale preparation and sale administration.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Red Pine with a minor component of jack & white pine

Regen:

Other Stand should be prepared and harvested as soon as possible to prevent damage to existing regeneration. No follow up treatments planned

Comment: to allow existing regeneration to recruit. Portion of the stand east of CR500 to be treated with Stand 21: Clear cut with retention.

Site Condition

Proposed Start Date: 10/26/2022



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	42043018-Cutx	7.5	42210 - Natural Red Pine	Sawtimber Poor	107	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species. No retention needed based on small acreage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Pesticide, Aerial - <u>Treatments:</u> Release; Pesticide, Skidder - Release; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitorin</p> <p><u>Acceptable</u> Red pine <u>Regen:</u></p> <p><u>Other</u> Full suite of cultivation next steps to adequately <u>Comment:</u> regenerate a red pine stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
21	42043021-Cut	54.2	42210 - Natural Red Pine	Sawtimber Poor	111	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species. Retention 3 – 10% of stand <u>Specs:</u> acreage in pocket form to allow for cultivation operations.</p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Initial Plant; <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Release; Pest</p> <p><u>Acceptable</u> Red pine <u>Regen:</u></p> <p><u>Other</u> Full suite of cultivation next steps to adequately <u>Comment:</u> regenerate a red pine stand (Site prep spray, trenching, planting, release).</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
22	42043022-Cut	29.1	42290 - Natural Mixed Pine	Sawtimber Poor	97	1-50	Harvest	Overstory Removal	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Harvest overstory individuals releasing regeneration since last harvest. Retain oak. <u>Specs:</u></p> <p><u>Next Step</u> Planting, Unfurrowed; SitePrep, Scarification <u>Treatments:</u></p> <p><u>Acceptable</u> Jack, white and red pine with birch, red oak and spruce. <u>Regen:</u></p> <p><u>Other</u> Possibly scarify or flat plant areas with little Regen that's thicker canopy. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
24	42043024-Cut	89.2	42290 - Natural Mixed Pine	Sawtimber Well	123	81-110	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Thin canopy targeting dominant and codominant red and white pine to approximately 50 - 60 Basal area. Retain oak. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Red and white pine with jack pine and oak. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
35 42043035-Cut	25.1	42210 - Natural Red Pine	Sawtimber Well	111	111-140	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin the canopy of the stand, taking approximate 1/3 of the basal area. Retain oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red and white pine with red oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Maintain a 50 foot buffer for RMZ BMPs. Exclude area around culvert.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
36 42043036-Cut	46.0	42210 - Natural Red Pine	Sawtimber Medium	105	51-80	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Retain 10 - 30 basal area of healthy overstory red pine and occasional white pine. Harvest all other species present to facilitate scarification in the stand. Leave a representation of oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack, red and white pine with oak, aspen, birch and spruce.</p> <p><u>Regen:</u></p> <p><u>Other</u> Follow up treatment with scarification but avoid areas of good advanced regeneration.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
39 42043039-Cut	106.4	42290 - Natural Mixed Pine	Sawtimber Well	106	81-110	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Modified crown thinning with large gap cuts. Thin canopy to approximately 50 - 60 basal area across the stand. Focus on older aged class of red and white pine. Remove all Jack pine. Retain oak and a representation of 20"+ white pine. Create several regeneration pockets for red pine regen, harvesting all trees in gaps at least 0.5 acre in size; not to exceed 15% of stand area. Watch for nest trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red, white and Jack pine with red oak and paper birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Bodi lake pathway trail and campground protections (return pathway to original condition). Mitigate slopes and adjacent wetlands based on BMP guidelines. Upon sale write-up, restrict harvest timing in NE area to not cut within June through September.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
45 42043045-Spray	26.8	500 - Water	Nonstocked				Pesticide Other - Specify	500 - Water		No
<p><u>Prescription</u> Spray with herbicide to control invasive species of Phragmites growing in the lake and around the state-owned shoreline.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Herbicide Use</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Not phragmites</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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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48	42043048-Cut	47.7	42210 - Natural Red Pine	Sawtimber Well	116	51-80	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Two-Aged	No
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Prescription Thin canopy retain approximately 40 - 50 basal area of red and white pine. Harvest all paper birch and Jack pine. Retain oak.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Existing white pine regeneration with red and Jack pine, and paper birch.

Other Comment: Promote existing fully stocked natural white pine regeneration. No cultivation next steps. Follow up with overstory removal in 10 - 20 years.

Site Condition

Proposed Start Date: 10/1 /2023

50	42043050-Cut	26.7	42210 - Natural Red Pine	Sawtimber Well	110	111-140	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
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Prescription Mark stand to 80 - 100 BA. Leave all oak and paper birch.
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2017

54	42043054-Cut	13.5	42290 - Natural Mixed Pine	Poletimber Well	79	111-140	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Two-Aged	No
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Prescription Thin canopy of stand to approximately 40 - 60 basal area of red and white pine. Harvest all Jack pine, paper birch and spruce. Retain oak.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: White pine with red and Jack pine, and paper birch.

Other Comment: Stand will be merged with adjacent stand 48 post-harvest.

Site Condition

Proposed Start Date: 10/1 /2023

58	42043058-Cut	47.3	42200 - Natural White Pine	Sawtimber Well	120	111-140	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Uneven-Aged	No
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Prescription Mark stand 70-90 BA. Remove all jack pine, spruce, balsam fir, and aspen. Retain any oak and a representation of the largest white pine for future nest trees. Treatment size may vary.
Specs:

Next Step
Treatments:

Acceptable Regen: mixed pine

Other Comment: Buffer should follow the topography along the creek or out to 100' per BMP guidelines.

Site Condition

Proposed Start Date: 10/1 /2023



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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60	42043060-Cut	12.8	42220 - Natural Jack Pine	Poletimber Well	79	111-140	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Cut all species present. Scarify to promote Jack Pine. Trench and plant if scarification fails to JP.

Specs:

Next Step Treatments: SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)

Acceptable Regen: jack pine with component of red and white pine and oak.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

61	42043061-Cut	18.9	42220 - Natural Jack Pine	Poletimber Well	69	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Harvest all species present. Pocket retention 3 - 5%. Retention pocket adjacent to the county road 412. Retain all oak within a tree length buffer on both sides of the county road. Follow critical dunes guidance. Acreage may change due to critical dune implementation. Exact location of retention may vary.

Specs:

Next Step Treatments: SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Unfurrowed

Acceptable Regen: Jack pine with red and white pine, paper birch. Minor component of Aspen and oak.

Other Comment:

Other Comment: Scarify site for natural pine regen. If natural Regen fails, trench and plant Jack pine. Intent is to flat plant in critical dunes.

Site Condition

Proposed Start Date: 10/1 /2023

64	42043064-Cut	35.8	42200 - Natural White Pine	Sawtimber Well	106	81-110	Harvest	Crown Thinning	4220 - Natural White Pine	Uneven-Aged	No
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Prescription Thin the canopy to approximately 70 - 80 BA marking white pine and red pine 16" and greater. Remove all Jack pine, spruce, balsam fir.

Specs:

Retain some aspen or birch in the redline or a representation within the stand. Treatment size may vary.

Next Step Treatments:

Acceptable Regen: mixed pine

Other Comment:

Site Condition

Proposed Start Date: Survey Needed

Proposed Start Date: 10/1 /2023

75	42043075-Cut	5.4	42210 - Natural Red Pine	Sawtimber Well	96	111-140	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
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Prescription Thin the canopy to 80 - 90 taking approximately 1/3 of the basal area. Retain red and white pine while harvesting other species present.

Specs:

Retain oak. Follow critical dunes guidance.

Next Step Treatments:

Acceptable Regen: Species present

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

Proposed Start Date:



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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
203 42043203-Cut	78.1	42220 - Natural Jack Pine	Poletimber Medium	57	1-50	Harvest	Clearcut with Retention	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees remaining within the stand. Pocket retention 3 - 5%. Retain oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Artificial Regen(1yr); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen</p> <p><u>Treatments:</u> (Intermediate); Planting, Unfurrowed</p> <p><u>Acceptable</u> Jack pine and component of mixed pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Scarify after harvest to promote natural pine regen. If scarification fails, trench and plant or flat plant red pine.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: 1041.7

Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 43

Lester Livermore : Examiner

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Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
34	3	0	31

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions											
					2I	5B	5C	1A	2F	2G	2H	3D	3J	5D	5E	
34	3	0	31		Cedar						10	21				
733	646	77	10		Jack Pine	77	0		0		2					8
196	188	1	6		Low-Density Trees		1	1								6
37	1	0	36		Lowland Conifers						24				12	
29	1	12	16		Lowland Mixed Forest			12						16		
22	19	0	3		Lowland Shrub							3				
53	4	18	31		Lowland Spruce/Fir			18			23			3	6	
32	32	0	0		Marsh			0						0		
63	43	0	20		Mixed Upland Deciduous				20							
708	446	209	54		Natural Mixed Pines	63	0	146	1		0		2	49		2
34	0	0	34		Oak								6	28		
761	304	390	67		Red Pine		289	101	26				6	36		
22	22	0	0		Sand, Soil				0							
77	13	43	21		Upland Mixed Forest		43			15			2	3		2
27	25	0	2		Urban								2			
34	34	0	0		Water									0		
142	47	74	20		White Pine	36	38				2			18		
3,006	1,828	824	354		Total Forested Acres	175	371	278	48	15	61	24	18	152	18	18
	61%	27%	12%		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	5B: Maintain for regeneration purposes	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	36	3D: Recreational / Scenic values	2F: Too steep	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5B: Maintain for regeneration purposes	108	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	8	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5B: Maintain for regeneration purposes	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2F: Too steep	25	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

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18	Available	5B: Maintain for regeneration purposes	104	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	24	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	25	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

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25	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Culhane Lake Campground							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5B: Maintain for regeneration purposes	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	1A: Federal/State/Local Law	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Critical dunes, piping plover							
35	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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37	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: LTR for stand 29							
40	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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50	Unavailable	1A: Federal/State/Local Law	22	1C: Other dept or div proc/practices	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified
Comments:							
51	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Available	2I: Survey needed	77	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Available	2I: Survey needed	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	2I: Survey needed	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Available	2I: Survey needed	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Bodi Lake Campground	Concentrated Recreation Area	State Forest Campground	SCA	38
Comments Boat launch, campground, beach and pathway area.				
Culhane Lake State Forest Campground	Concentrated Recreation Area	State Forest Campground	SCA	11
Comments Culhane Lake State Forest Campground, previously called a boat launch as well. Boat launch is separate from the campground in the compartment to the north.				



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	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	710 - Sand, Soil	Nonstocked	22.5		Unspecified	No	Lake Superior shoreline			
2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	63.2	76	81-110	N/A	Oak with red pine, jack pine and some white pine. Also a component of white birch. Higher component of jack pine along Co Rd 412. Multi-stem oak with larger diameter red pine. Many areas of semi-open, low canopy height; poor form red oak dominated. Understory of various heights and densities. Lots of oak and white pine in the understory. Pockets thicker to large diameter red pine. Thick oak regeneration within 2 chains of the "ledge" down to Lake Superior beach. Many areas within the stand have a layer of 1-2 ft tall oak seedlings. Moderate topography.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		15	Pole	6		White Pine		Medium	Variable	Sapling
Red Oak		45	Pole/Log	9	76	Red Pine		Low	Variable	Sapling
White Pine		5	Pole/Log	9		Red Oak		High	Variable	Sapling
Red Pine		15	Log/Pole	12		Jack Pine		Low	5 - 10 feet	Sapling
3	42290 - Natural Mixed Pine	Sawtimber Well	70.5	103	81-110	N/A	Mixed stand of large diameter red pine and white pine with red oak, white birch, aspen and jack pine. Pockets thicker to jack pine, other areas thicker to red pine and/or white pine. Highest basal area, upwards of 150 in northwest and extreme eastern. Central portion averages around 70 - 90. Pockets of thick white pine Regen 5 - 15' tall. Good diversity in the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		22	Pole	9		Red Oak		High	5 - 10 feet	Sapling
Red Oak		15	Log/Pole	10		White Pine		Medium	Variable	Sapling
Paper Birch		5	Pole	8		Red Pine		Low	< 5 feet	Sapling
White Pine		20	Log/Pole	13						
Red Pine		35	Log/Pole	12	103					
Bigtooth Aspen		3	Pole	6						
4	42220 - Natural Jack Pine	Poletimber Well	119.2	69	81-110	N/A	Jack pine with red pine and a small component of white pine and red oak. Age range from 55 to about 68 years old.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		72	Pole	8	69	White Spruce		Low	10 - 20 feet	Sapling
Red Oak		3	Pole	6		White Pine		Medium	10 - 20 feet	Sapling
Red Maple		3	Pole	8		Red Maple		Low	Variable	Sapling
Red Pine		17	Log/Pole	12		Red Pine		Medium	Variable	Sapling
White Pine		5	Log/Pole	13						
5	42220 - Natural Jack Pine	Poletimber Well	76.7	71	111-140	N/A	Pole size jack pine with larger diameter red pine and some white pine. Thicker pockets of Jack pine just entering pole size classes. Pockets of red pine variable basal area from 20 - 80. Jack pine appears to be healthy. Sparse understory of red pine and white pine. Pockets of higher red pine BA near adjacent stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		85	Pole	7	71	Red Maple		Low	< 5 feet	Sapling
Red Pine		10	Log/Pole	12		Red Pine		Low	< 5 feet	Sapling
White Pine		5	Log/Pole	11		White Pine		Medium	Variable	Sapling
6	42290 - Natural Mixed Pine	Sapling Medium	23.0	23	51-80	N/A	Stand was harvested in 2000. New age class dominated by jack pine, with red pine and white pine regeneration. Large diameter residual red pine present, especially in the southern portion of the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Sapling	2		Red Maple		Medium	< 5 feet	Sapling
White Pine		10	Sapling	2		Red Pine		Low	< 5 feet	Sapling
Jack Pine		55	Sapling	3	23					
Red Pine		10	Sapling	2						
Red Pine		20	Log	11	86					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
7	42290 - Natural Mixed Pine	Sawtimber Well	67.6	106	81-110	N/A	Stand was thinned in the past. Mainly red pine and white pine with an oak component. Basal area ranges from 60 - 110 average around 90. Understory of variable heights and species; very thick in areas. Good regeneration of all species from last harvest.																																																														
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8	42210 - Natural Red Pine	Sawtimber Medium	12.8	83	1-50	N/A	Subtle rolling hills of red pine with white pine in association. Very infrequent paper birch. Regen includes white pine, spruce, jack pine and red pine respectively; 3 -6' tall. Basal area ranges from 40 - 120, average around 70. Stand was harvested as sale #22-04. Completed 06/05. Jack pine was removed and all red and white pine were left as residual. Stand converted to red pine. Scarification completed 10/05 on FTP #42-612. Regeneration check needed. Stand not visited this inventory cycle.																																																														
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9	42210 - Natural Red Pine	Sawtimber Well	8.2	106	81-110	N/A	Stand was thinned as sale #26-04. Completed 11/07. Mainly red pine with red oak and white pine. Understory of white pine and oak. Not much red pine regeneration at all.																																																														
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10	42290 - Natural Mixed Pine	Sapling Well	41.2	36	1-50	N/A	Mixed stand of young jack pine with white pine, red pine, white birch, red oak and red maple. Some residual red pine, white pine and oak following harvest in 1987.																																																														
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11	4310 - Pine, Oak Mix	Poletimber Well	25.0	103	81-110	N/A	Multiple stem red oak with large diameter red pine and some white pine. Sub canopy is very diverse is species, density and height. Rolling ridges, very steep on west side of stand.																																																									
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12	42210 - Natural Red Pine	Sawtimber Medium	107.5	111	81-110	N/A	Stand thinned as sale #25-04./ Completed 12/06. White pine mainly in the understory, moderate to high density, a majority of which is now 20' tall 2" diameter. Not much red pine regeneration at all. Southern portion is rolling topography with an oak component.																																																									
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14	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	27.6	63	51-80	N/A	Lowland stand. River corridor.																																																									
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15	42220 - Natural Jack Pine	Poletimber Well	102.7	44	1-50	N/A	Stand was harvested in 1979. Young jack pine with residual red pine and white pine. Portion of the stand west of Co Rd 500 is slightly larger dbh jack pine. West of Co Rd 500 also was burned through by the Duck Lake Fire, mostly acted as an under burn.																																																									
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16	42290 - Natural Mixed Pine	Sawtimber Well	72.5	113	81-110	N/A	Very mixed stand of white pine, red pine, red oak, spruce, some white birch, red maple. Lots of diversity throughout. The south half of the stand was thinned as sale #26-04. Completed in 11/07. Good regeneration of all species, mainly white pine and red oak. Less red pine regeneration. North half of the stand was not harvested but is very similar.																																																
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17	42290 - Natural Mixed Pine	Sawtimber Well	33.5	100	111-140	N/A	Red pine stand with a good component of white pine and jack pine. Red oak, paper birch and black spruce also found within the stand. Lots of variability throughout the stand.																																																
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18	42210 - Natural Red Pine	Sawtimber Poor	63.5	107	1-50	N/A	Log and pole sized red and white pine with basal area around 40 - 50. Duck Lake Fire burned through the stand, acting as an underburn; Canopy/mature trees survived. Scarified in summer 2019. Harvested via shelterwood in 2017; Double Bubble Pine/Oak, #21-14. FTP 42-867 for scarification for red pine regeneration. Stand was thinned as sale #46-94.																																																
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19	42210 - Natural Red Pine	Sawtimber Well	65.6	101	111-140	N/A	Stand thinned as sale #25-04. Completed 12/06. Red pine with white pine. Moderate white pine regen, 3' - 10' tall throughout with pockets of thick regen. Mild to moderate hills and bowls within the stand.																																																
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20	4310 - Pine, Oak Mix	Sawtimber Medium	44.8	97	51-80	N/A	Harvested via selection cut in 2017; Double Bubble Pine/Oak, #021-14. TCR12/6/18. Retention pockets near private residences. Nice red oak stand. Oak ranging from 6 to 14 inches dbh. Some nice straight boles. Large diameter red pine and white pine. Occasional white birch. Most of birch is dying out. Lots of 1-2 ft oak seedlings throughout.																																																
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21	42210 - Natural Red Pine	Sawtimber Poor	54.2	111	1-50	N/A	Harvested via shelterwood in 2017; Double Bubble Pine/Oak, #21-14. FTP 42-867 for scarification for red pine regeneration. Stand was thinned as sale #46-94. Sawtimber size red pine with a component of white pine. Very little red pine in understory.																																																
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22	42290 - Natural Mixed Pine	Sawtimber Poor	29.1	97	1-50	N/A	Stand harvested as sale #42-025-04. Unit 4 of the sale. No FTP scheduled for the stand, natural jack pine regeneration. Overstory of residual red pine and white pine with scattered oak and some birch; 40 - 50 BA.																																															
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23	110 - Low Intensity Urban	Nonstocked	24.7			No	County road right-of-way.																																															
24	42290 - Natural Mixed Pine	Sawtimber Well	89.3	123	81-110	N/A	Mixed stand of white pine, red pine, with jack pine, white birch and spruce. Mainly a sawlog size stand. Thick understorey in many spots. Pockets thicker to just white pine. Typed as a "W8" last entry year.																																															
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25	42220 - Natural Jack Pine	Sapling Well	40.6	39	1-50	N/A	Stand was harvested in 1984. Residual red pine and white pine were left. Stand is transitioning from a jack pine sapling stand to a pole stand.																																															
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26	42210 - Natural Red Pine	Poletimber Poor	112.2	103	1-50	N/A	Stand harvested via shelterwood with retention in fall of 2017: Last Minute Red Pine: 42-24-14. Scarification complete 10/21/2019. Regeneration check required. Southern portion of the stand had a higher component of jack pine and white pine. Moderate rolling topography in southern portions of the stand. Middle portion of the stand was thinned in 1995 (#42-049-94).																																															
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27	42290 - Natural Mixed Pine	Sawtimber Well	10.3	119	111-140	N/A																																																
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28	6229 - Mixed lowland shrub	Nonstocked	10.6		Unspecified	No	Culhane Creek floodplain and surrounding lowlands.																																												
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29	330 - Low-Density Trees	Nonstocked	124.0	0	Immature	429 - Mixed Upland Conifers	Stand was scarified 11/06/2019 by Holli Forest Products (FTP 42-876). Intermediate regen check needed after 2022 growing season. Stand harvested via Clearcut with reserves in 2017: Crisp Point Pine sale 42-004-15.																																												
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31	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	24.4	91	81-110	N/A																																													
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32	42210 - Natural Red Pine	Sawtimber Poor	18.0	121	1-50	N/A	Site was scarified in 2019. Harvested via shelterwood in 2017; Double Bubble Pine/Oak, #21-14. FTP 42-867 for scarification for red pine regeneration.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
33	4122 - Oak, Pine	Sawtimber Well	5.2	115	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Pole	9		Balsam Fir	Low	Variable	Sapling
Jack Pine		25	Pole	7		White Pine	Medium	Variable	Sapling
Red Oak		65	Log/Pole	10	115	Red Oak	Medium	Variable	Sapling
34	110 - Low Intensity Urban	Nonstocked	2.3		Immature	No	PRD Boating Access Site (ramp and parking area with grass) are within this stand. The access site facility is managed by Tahquamenon Falls State Park.		
Sub-Canopy Species		Density	Avg. Height	Size					
Red Oak		Low	>20 feet	Pole					
35	42210 - Natural Red Pine	Sawtimber Well	25.2	111	111-140	N/A	Stand was thinned as sale #026-04-01. Completed 11/16/07. Duck Lake Fire burned through the stand. The fire acted as a nice underburn, the mature trees were not affected by the fire. Salvage cutting in adjacent stands to the south due to higher intensity fire.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		1	Log	10		Balsam Fir	Low	5 - 10 feet	Sapling
Red Pine		87	Log/Pole	10	111	White Pine	Low	Variable	Sapling
Red Oak		2	Log/Pole	10		Red Oak	Low	5 - 10 feet	Sapling
White Pine		10	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
36	42210 - Natural Red Pine	Sawtimber Medium	46.2	105	51-80	N/A	Stand harvested as sale #49-94. Completed in summer of 1997. FTP #42-415 for scarification completed 5/98. Stocking survey in 2003 showed 398 tr/ac (102 jack pine). Most of the stand has too high a BA in the overstory to promote good jack pine regeneration. Better jack pine regeneration is in the western half of the stand. More spruce regeneration present underneath more canopy closure than anything else.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		20	Log/Pole	13		White Spruce	Medium	5 - 10 feet	Sapling
Red Pine		80	Log/Pole	12	105	White Pine	Low	Variable	Sapling
						Jack Pine	Medium	10 - 20 feet	Sapling
						Red Pine	Medium	< 5 feet	Sapling
37	6122 - Black Spruce	Sapling Poor	8.1	66	1-50	N/A	Lowland stunted black spruce with cedar and tamarack.		
Canopy Species		% Cover	Size Class	DBH	Age				
Tamarack		10	Sapling	2					
Northern White Cedar		20	Sapling	1					
Black Spruce		70	Sapling/Pole	2	66				
38	4122 - Oak, Pine	Poletimber Well	28.6	111	51-80	N/A	Poor quality, pole sized stump sprout red oak with larger diameter red pine and white pine. Component of jack pine. Decent mixed species sapling component. Rolling topography.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		15	Log/Pole	12		Red Pine	Medium	Variable	Sapling
White Pine		13	Pole/Log	9		Red Oak	Medium	5 - 10 feet	Sapling
Jack Pine		4	Pole	9		Balsam Fir	Low	10 - 20 feet	Sapling
Paper Birch		8	Pole/Log	9		White Pine	Medium	Variable	Sapling
Red Oak		60	Pole	8	111				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
39	42290 - Natural Mixed Pine	Sawtimber Well	123.5	106	81-110	N/A	Varying ages in some areas of the stand; overall fairly even-aged. Log/log red pine, white and very infrequent jack with a mix of regen. Majority of the stand has white pine dominated saplings (high density in many areas) with some red, between 4' and 30' tall (moderately suppressed). Areas with less older canopy have jack pine poles underneath with white and red pine regen mostly co-dominate but smaller diameter than older aged individuals. Red oak a component of canopy in some areas. Basal area ranges from 70 - 120ish; average 80 - 90. More white pine dominated in the eastern portion.																																																												
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40	42210 - Natural Red Pine	Sawtimber Well	5.9	111	111-140	N/A	Culhane Lake State Forest Campground is within this stand. There are 12 designated campsites here. The campground facility is managed by Tahquamenon Falls State Park. The stand canopy is dominated by red pine. The North Country Trail passes through this stand.																																																												
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41	42210 - Natural Red Pine	Sawtimber Medium	12.7	83	1-50	N/A	Stand was harvested as sale #22-04. Completed 06/05. Jack pine was removed and all red and white pine were left as residual. Scarification completed 10/05 on FTP #42-612.																																																												
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42	6122 - Black Spruce	Poletimber Well	20.0	99	51-80	N/A	Lowland black spruce with jack pine and large white pine. Northern portion of the stand is more open, smaller black spruce.																																																												
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43	6239 - Mixed Emergent Wetland	Nonstocked	25.9		Unspecified	No																																																													
44	42210 - Natural Red Pine	Sawtimber Poor	37.0	71	1-50	N/A	Canopy red pine has a good mix of small logs and large poles; clustered distribution in most areas with open areas of Jack pine Regen. Stand harvested as sale #23-04. Completed 05/09. No record of scarification. Regen check in 2013 showed 619 TPA Jack pine.																																																												
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45	500 - Water	Nonstocked	26.8			Managed Opening	Sliver of Bodi Lake adjacent to state land.																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
46	42290 - Natural Mixed Pine	Sawtimber Well	27.9	96	111-140	N/A	Mature jack pine with red pine component and occasional white pine. More jack pine dominated in the western portion. Stand borders Bodi Lake.																																					
47	42220 - Natural Jack Pine	Sapling Well	151.1	25	1-50	N/A	Stand harvested as sale #26-94. FTP #42-411; Scarification completed 5/98. Stocking survey completed 5/2003 showed 869 tr/ac (JP). Stand is now 20 foot tall jack pine regeneration. Residual red pine and white pine throughout.																																					
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48	42210 - Natural Red Pine	Sawtimber Well	47.7	116	51-80	N/A	Stand harvested via shelterwood as sale #024-04-01. Completed 06/06/08. Currently stand is full of white pine regen between 4' and 25' tall; average around 8'. Basal area of canopy is 70 - 80. Previous RX burn was prescribed but not completed.																																					
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49	42210 - Natural Red Pine	Sawtimber Well	4.7	106	51-80	N/A																																						
50	42210 - Natural Red Pine	Sawtimber Well	26.7	110	111-140	N/A	Stand of nice red pine with white pine and oak. Scattered aspen and jack pine. Large diameter red pine throughout. Access would be through abandoned road and crossing from the southwest. If we manage the stand to the south (Comp 44, stand 2) then continue north and manage this stand as well.																																					
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51	42210 - Natural Red Pine	Sawtimber Medium	38.5	83	1-50	N/A	Stand was harvested as sale #22-04. Completed 06/05. Jack pine was removed and all red and white pine were left as residual. Scarification completed 10/05 on FTP #42-612.																																					
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52	6233 - Wet Meadow	Nonstocked	4.7		Unspecified	No	Diverse lowlands adjacent to Bodi Lake. Infrequent pine saplings and small poles.																																					
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53	42220 - Natural Jack Pine	Sapling Well	110.7	25	Unspecified	N/A	Stand harvested as sale #26-94, completed winter 1996. Scarification on FTP #42-411 completed 5/1998. Stocking survey on 5/15/2003 showed 869 tr/ac (JP). Jack pine is now 20 feet tall.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 42290 - Natural Mixed Pine Poletimber Well 13.5 79 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	35	Log/Pole	11		White Pine	Medium	Variable	Sapling
Jack Pine	40	Pole	9	79	White Spruce	Low	Variable	Sapling
Paper Birch	3	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
White Spruce	2	Pole	6					
White Pine	20	Log/Pole	12					

55 6129 - Mixed Coniferous Lowland Forest Sapling Medium 5.8 115 1-50 N/A

Stand was not visited this inventory cycle and data is from previous inventory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	35	Sapling	2		Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	20	Sapling	2		Tamarack	Low	< 5 feet	Sapling
Black Spruce	45	Sapling	2	115				

56 6129 - Mixed Coniferous Lowland Forest Sapling Medium 6.9 67 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	40	Sapling	2		Tamarack	Low	< 5 feet	Sapling
Black Spruce	40	Sapling	2	67	Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	20	Sapling	2					

57 6122 - Black Spruce Poletimber Well 12.9 114 Unspecified N/A

58 42200 - Natural White Pine Sawtimber Well 59.6 120 111-140 N/A

Small corner added to stand from property acquisition in 2012.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	9		White Spruce	Low	Variable	Sapling
White Pine	60	Log/Pole	14	120	White Pine	Medium	5 - 10 feet	Sapling
Red Pine	25	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
Paper Birch	5	Pole	8					

59 6120 - Lowland Cedar Poletimber Well 13.2 159 141-170 N/A

60 42220 - Natural Jack Pine Poletimber Well 12.8 79 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	85	Pole	9	79	White Pine	Medium	Variable	Sapling
White Pine	5	Log/Pole	12					
Red Pine	10	Log/Pole	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
61	42220 - Natural Jack Pine	Poletimber Well	19.0	69	81-110	N/A	Jack pine with red pine and a small component of white pine and red oak. Age range from 55 to about 68 years old. Stand split from stand 4.																																														
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62	42290 - Natural Mixed Pine	Sapling Medium	49.7	6	1-50	N/A	Stand harvested via clearcut in 2017: Crisp Point Pine sale 42-004-15. Large diameter white pine and red pine left. Scarify did not occur. FTP 42-876																																														
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63	6122 - Black Spruce	Poletimber Well	11.8	114	51-80	N/A																																															
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64	42200 - Natural White Pine	Sawtimber Well	40.7	106	81-110	N/A	Large diameter white pine with mixture of species (red maple, birch, spruce).																																														
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65	4319 - Mixed Upland Forest	Sawtimber Well	11.9	89	81-110	N/A	Large diameter red maple with hemlock and white pine. Appears to have some evidence of cutting, especially near the road. Some cedar near the river/creek.																																														
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66	6229 - Mixed lowland shrub	Nonstocked	9.1		Unspecified	No	Three Mile Creek lowlands and floodplain, including areas of flooded spruce and cedar, now dying.																																														
67	6120 - Lowland Cedar	Poletimber Well	20.9	159	141-170	N/A	Previous stand data shows high abundance of cedar with hemlock and yellow birch.																																														



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68	4310 - Pine, Oak Mix	Poletimber Well	5.4	97	141-170	N/A	Nice red oak stand. Oak ranging from 6 to 14 inches dbh. Some nice straight boles. Large diameter red pine and white pine. Occasional white birch. Most of birch is dying out. Lots of 1-2 ft oak seedlings throughout. Bodi Lake state forest campground within the stand; 12 sites.																																																				
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69	330 - Low-Density Trees	Nonstocked	71.9	0	Unspecified	4212 - Planted Jack Pine	Stand harvested as sale #42-002-15-01, Two Pocket Jack Pine. Scarification of site yet to be done. MO of natural jack pine. 11/13/18 - Scarifying did not get done in 2018. Due to length of time since the sale was cut, the scarification treatment has been cancelled/terminated and the stand will be trenched and planted to jack pine, on 2019 POW for trenching. 10/19 - Trenched in summer of 2019. FTP 42-875. To be planted to JP in spring 2020. 5/13/20 - Site planted to JP at 846 TPA with 975 TPA total. 9/24/20 - First year regen survey: JP 866 TPA - 1.1' with 106 TPA - 1.3' JP volunteers. See species composition table for other competition. 11/7/22 - Third year regen survey: JP 994 TPA.																																																				
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70	42210 - Natural Red Pine	Sawtimber Medium	30.9	83	1-50	N/A	Stand was harvested as sale #22-04. Completed 06/05. Jack pine was removed and all red and white pine were left as residual. Stand converted to red pine. Scarification completed 10/05 on FTP #42-612. Stand not visited this inventory cycle.																																																				
71	42210 - Natural Red Pine	Sawtimber Well	25.8	103	141-170	N/A	Stand was part of a larger stand but since delineated based on a Lakeshore buffer and oak of management. Mainly large diameters. Runs of smaller diameter red pine. Component of jack pine and white pine. Adjacent to beach/Lakeshore.																																																				
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73	500 - Water	Nonstocked	6.6		Unspecified	No																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74 500 - Water Nonstocked 0.4 Unspecified No Three Mile Creek.

75 42210 - Natural Red Pine Sawtimber Well 5.4 96 111-140 N/A Newly delineated stand from the larger adjacent stand. Similar stand dominated by red pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Pole	6		Red Maple	Low	Variable	Sapling
White Pine	9	Log/Pole	13		White Spruce	Low	10 - 20 feet	Sapling
Jack Pine	15	Pole	8	69	Red Pine	Medium	Variable	Sapling
Red Maple	2	Pole	8		White Pine	Medium	10 - 20 feet	Sapling
Red Pine	64	Log/Pole	12	96				

201 42200 - Natural White Pine Sawtimber Medium 41.7 120 81-110 N/A Property acquired in 2012. Mostly upland, but some pockets of low ground. Cut between 2005 & 2009. Evidence of past cuttings seen on old photos. Nice regen of all sizes.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	85	Log/Pole	14	120	Red Pine	Low	Variable	Sapling
Red Pine	15	Log/Pole	14		Paper Birch	Low	Variable	Sapling
					Balsam Fir	Low	Variable	Sapling
					White Pine	Medium	Variable	Sapling
					Black Spruce	High	Variable	Sapling

203 42220 - Natural Jack Pine Poletimber Medium 78.1 57 1-50 N/A Land was acquired in 2012. It appears that the merchantable jack pine was removed between 2005 & 2009, leaving smaller jack pine. The cut was heavier in the NW corner (10 - 15 acres).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	Pole/Log	8		Jack Pine	Medium	< 5 feet	Sapling
Jack Pine	80	Pole	5	57	White Pine	Low	Variable	Sapling
White Pine	10	Pole/Log	8					

204 42290 - Natural Mixed Pine Sapling Medium 27.6 16 1-50 N/A Property acquired in 2012. Cut between 2005 & 2009. Varying densities of regeneration present. Jack pine 6' - 20' tall.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	55	Sapling	1	16
Quaking Aspen	5	Sapling	1	
Black Spruce	10	Sapling	1	
White Pine	5	Sapling	1	
White Pine	10	Log	12	
Red Pine	5	Sapling	1	
Red Pine	10	Log	12	86

206 6126 - Lowland Jack Pine Sapling Well 3.5 31 Immature N/A Property acquired in 2012. Low wet area filled in with trees over time. Imagery shows as a non-forested stand from 1953 - 1998. 2005 imagery shows trees.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	100	Sapling/Pole	4	31



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
207	6139 - Mixed Lowland Forest	Sapling Well	1.9	55	1-50	N/A	Three Mile Creek flows through stand.																																											
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208	6229 - Mixed lowland shrub	Nonstocked	2.3		Unspecified	No	Lowland adjacent to Three Mile Creek.																																											
209	6233 - Wet Meadow	Nonstocked	1.9		Unspecified	No	Lowland adjacent to Three Mile Creek.																																											