

# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42122

Entry Year: 2027

Acreage: 2,012

County: Luce

Management Area: St. Ignace Lake Plain

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**Stand Examiner:** Matt Payment

## **Legal Description:**

T45N R10W Sections 22, 23, 24, 25, 26 & 27

## **Identified Planning Goals:**

Timber management, wildlife habitat and recreation such as hunting, skiing and snowmobiling are the main uses of the compartment. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses through proper management.

## **Soil and topography:**

Topography is rolling and varies from fairly level to steep and would be mostly characterized as upland. Soil type is mostly made up of Kalkaska and Wallace sands. There are a few small areas of muck which support wetland plant species.

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

The compartment is surrounded by private land on the north and west sides, by State land to the east and a mixture of State and private on the south. Due to its close proximity to the town of Newberry, this land is frequently used by people for a variety of recreational uses such as hunting, skiing, walking, bicycling, cross country running, snowshoeing and snowmobiling. 440 acres of State land in this compartment is leased to Luce County for the purpose of economic development.

## **Unique Natural Features:**

This compartment contains a majority of the Canada Lakes Pathway, a two mile segment of designated snowmobile trail, one half mile of designated ORV trail, Canada Lakes and a portion of Melvin Lake.

MNFI lists the potential for red shouldered hawk, goshawk, eagle, osprey, moose and osprey. They also list the potential for pine drops, climbing fumitory and false violet in the pine types. They also list the potential for sweet coltsfoot, Wiegand's sedge, English sundew, round-leaved orchis, black crowberry, yellow pitcher plant and panicked screwstem in bog types.

## **Archeological, Historical, and Cultural Features:**

None listed.

## **Special Management Designations or Considerations:**

Due to the close proximity to the town of Newberry, the Canada Lakes Pathway is a frequently used by a variety of recreation enthusiasts. Special consideration should be taken when land management decisions that are made for this area.

## **Watershed and Fisheries Considerations:**

Fisheries Concerns: This compartment contains no lakes or streams that would contain any fish communities. Standard BMP's still apply to treatments around surface water. Fisheries has no concerns at this time.

## **Wildlife Habitat Considerations:**

Compartment 122 lies in the St. Ignace Lake Plain Management Area in southern Luce County. The compartment sees heavy deer use in many winters despite not being part of a defined deer wintering complex. The compartment is fairly diverse in upland habitat types with a good mix of hardwoods, aspen, and white and red pine stands. Hardwoods dominate the western portions of the compartment while aspen and pine predominate in the eastern half of the compartment.

Maintaining structural and species diversity as much as possible in harvested stands will help achieve wildlife objectives in this compartment. The retention of hard and soft mast producing trees, wildlife den and nest trees, snags and the preservation of conifer components in aspen and hardwood stands will benefit wildlife species using the area. Hemlock and a component of beech will be retained in all stands. White-tailed deer, black bear, snowshoe hare, gray wolf, coyotes and fox, marten and ruffed grouse are noteworthy wildlife species using this compartment. Featured species include American woodcock, blackburnian warbler, black throated blue warbler, American marten, ruffed grouse, snowshoe hare and white-tailed deer.

## **Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine sand and gravel and coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Silurian Cabothead Shale and Manitoulin Dolomite subcrop below the glacial drift. The Manitoulin could be quarried for stone. A gravel pit is located in Section 21 and potential is good. There is no economic oil and gas production in the UP.

## **Vehicle Access:**

The main access to this compartment is via County Road 403. The Section 34 Road runs across most of the southern part of the compartment. There are several two tracks and woods roads that give access to most of the compartment.

## **Survey Needs:**

None at this time.

## **Recreational Facilities and Opportunities:**

The Canada Lakes Pathway offers skiing opportunities in the winter as well as hiking, walking, cross-country running and bicycling in the summer. A portion of a designated snowmobile trail runs through the compartment as well as a portion of a designated ORV trail. Hunting is also popular in this area.

## **Fire Protection:**

The compartment has good road access for fire suppression activities. Small stands of conifer intermixed with hardwoods and a short response time keeps the potential for large fires low in this compartment.

## **Additional Compartment Information:**

Avoid winter harvest operations to limit recreational trail conflicts.

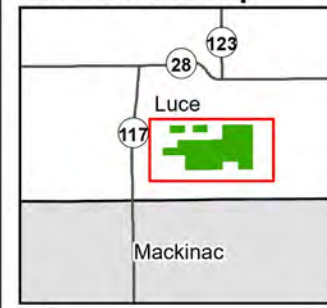
## **The following reports from the Inventory are attached:**

- 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**

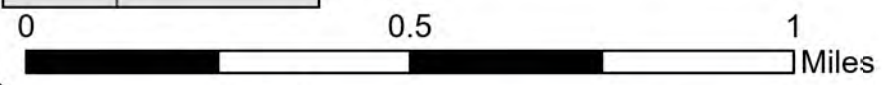
## **The following information is displayed, where pertinent, on the attached compartment maps:**

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

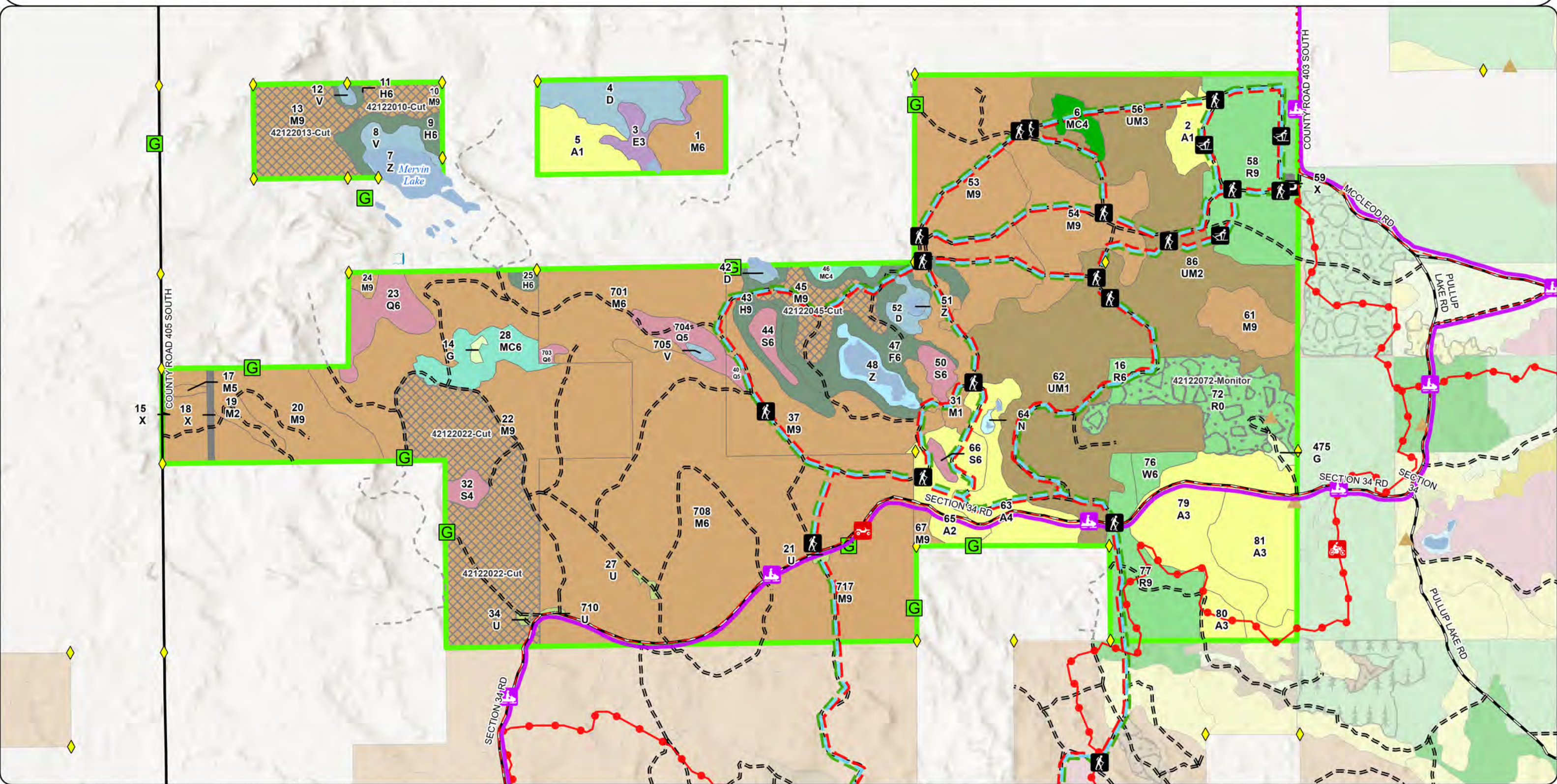
**Cover Type & Treatments Map**



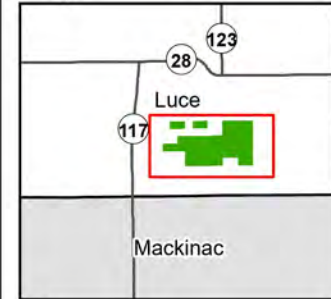
Compartment: 42122  
 T45N R10W 22-27  
 County: Luce  
 Unit: Newberry  
 Mgmt. Area: St. Ignace Lake Plain  
 YOE: 2027  
 Acres: 2,012 GIS Calculated  
 Examiner: Matt Payment  
 Date Exported: 2/23/2026  
 Map Phase: Post Review



- |                             |   |                               |                                   |
|-----------------------------|---|-------------------------------|-----------------------------------|
| ◆ Survey Grade Corners      | —●— Designated Motorcycle Trails        | ▭ Compartment Boundary        | ■ 430 - Upland Mixed Forest       |
| ▭ Culvert                   | — Designated Snowmobile                 | ▨ Selection                   | ■ 500 - Water                     |
| P Parking Lot               | — DNR - Primary Forest Road             | ▭ Monitoring - Regeneration   | ■ 611 - Lowland Deciduous Forest  |
| ▲ Berm                      | — DNR - Secondary Forest Road           | ■ 411 - Northern Hardwood     | ■ 612 - Lowland Coniferous Forest |
| G Gate                      | == DNR - Forest Access Route            | ■ 413 - Aspen                 | ■ 122 - Road/Parking Lot          |
| — Designated Hiking Pathway | — Federal / State / County - Paved Road | ■ 421 - Planted Pines         | ■ 310 - Herbaceous Openland       |
| — Designated Bicycle Trails | — County - Gravel Road                  | ■ 422 - Natural Pines         | ■ 320 - Upland Shrub              |
| — Designated Ski Trails     | — Private - Dirt / Gravel Road          | ■ 423 - Other Upland Conifers | ■ 622 - Lowland Shrub             |
| == Designated ORV Routes    | ■ Lakes and Rivers                      | ■ 429 - Mixed Upland Conifers | ■ 623 - Emergent Wetland          |



# Stand Boundary Map



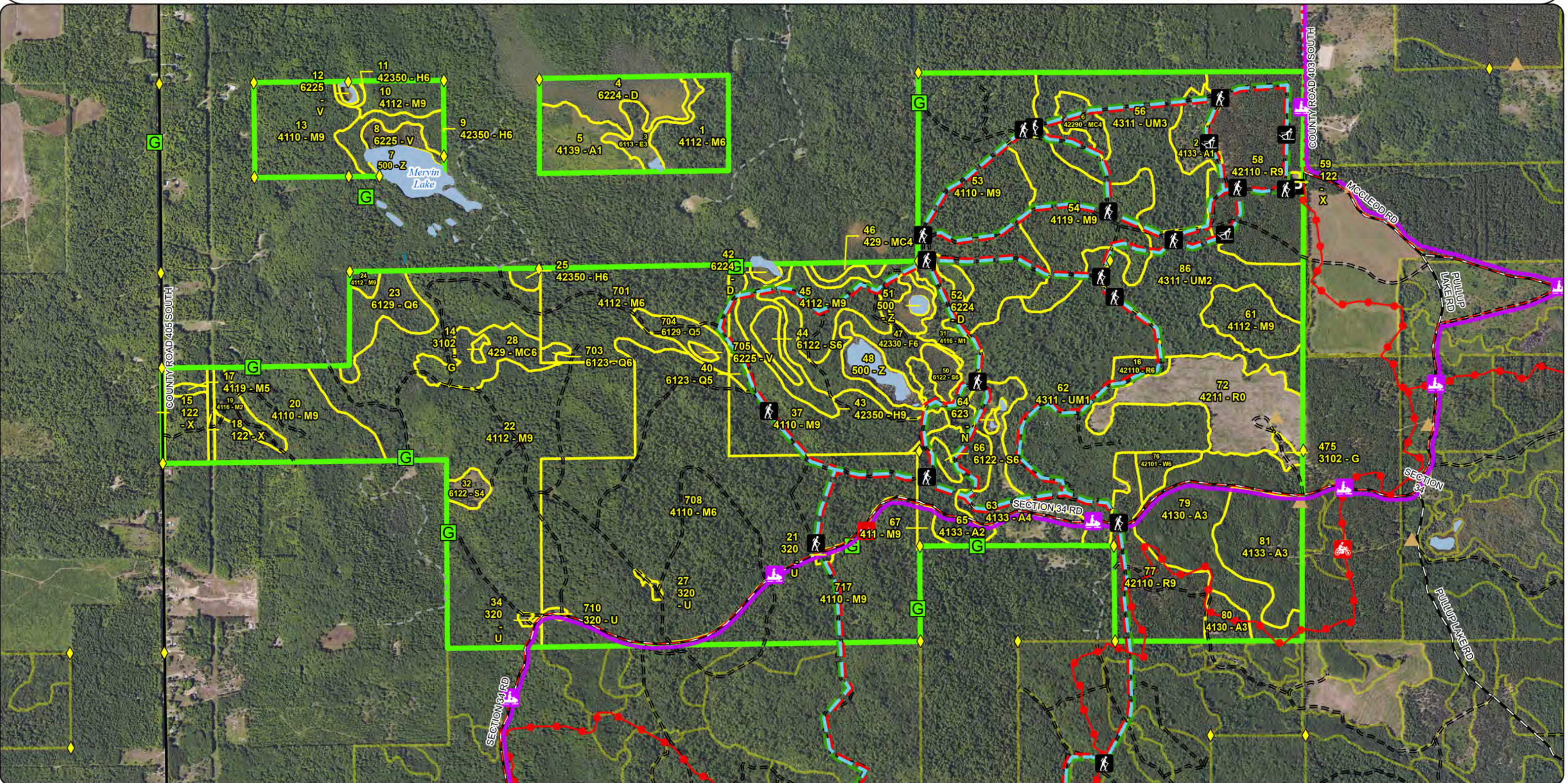
Compartment: 42122  
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- Survey Grade Corners
- Culvert
- Parking Lot
- Berm
- Gate
- Designated Hiking Pathway
- Designated Bicycle Trails
- Designated Ski Trails
- Designated ORV Routes
- Designated Motorcycle Trails
- Designated Snowmobile

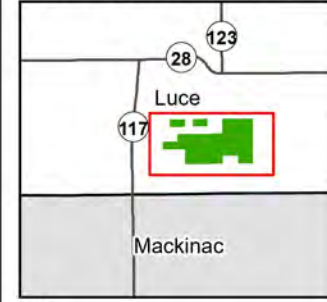
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Compartment Boundary
- Compartment Stand Yellow Outline (PD)

- |                                 |                                 |
|---------------------------------|---------------------------------|
| 422 - Natural Pines             | 422 - Natural Pines             |
| 423 - Other Upland Conifers     | 423 - Other Upland Conifers     |
| 429 - Mixed Upland Conifers     | 429 - Mixed Upland Conifers     |
| 430 - Upland Mixed Forest       | 430 - Upland Mixed Forest       |
| 500 - Water                     | 500 - Water                     |
| 611 - Lowland Deciduous Forest  | 611 - Lowland Deciduous Forest  |
| 612 - Lowland Coniferous Forest | 612 - Lowland Coniferous Forest |
| 122 - Road/Parking Lot          | 122 - Road/Parking Lot          |
| 310 - Herbaceous Openland       | 310 - Herbaceous Openland       |
| 320 - Upland Shrub              | 320 - Upland Shrub              |
| 622 - Lowland Shrub             | 622 - Lowland Shrub             |
| 623 - Emergent Wetland          | 623 - Emergent Wetland          |

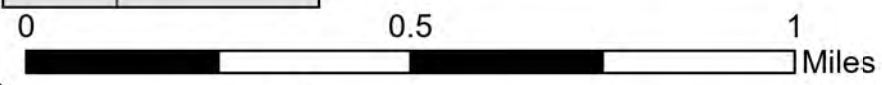
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines



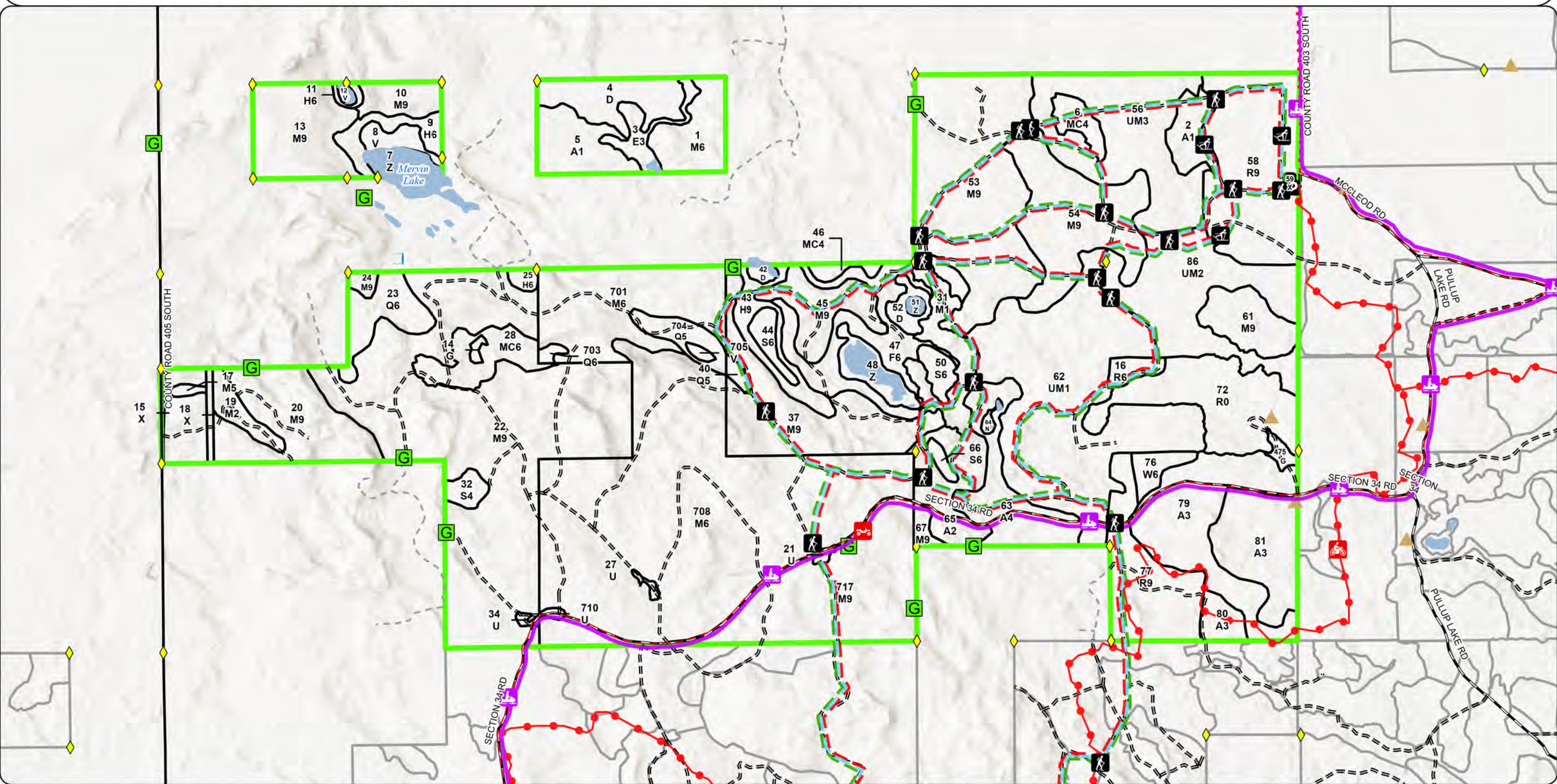
**Special Conservation Areas & Site Conditions Map**



Compartment: 42122  
 T45N R10W 22-27  
 County: Luce  
 Unit: Newberry  
 Mgmt. Area: St. Ignace Lake Plain  
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- Survey Grade Corners
- Culvert
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- Designated Hiking Pathway
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- Designated Snowmobile
- DNR - Primary Forest Road
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- DNR - Forest Access Route
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- County - Gravel Road
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Compartment Boundary



# Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 122 Year of Entry 2027

Matt Payment: 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+	Unseen-Aged	Total
Aspen	0	23	40	0	60	46	35	0	0	0	0	0	0	0	0	0	0	0	204
Bog	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Hemlock	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	28	31
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	15	0	0	0	0	19	0	0	0	0	0	0	0	34
Lowland Deciduous	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	3	17	0	0	0	0	0	0	0	20
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Natural Mixed Pines	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	23	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1071	1103
Red Pine	52	0	0	0	0	0	0	49	76	0	0	0	0	0	0	0	0	0	177
Treed Bog	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Upland Conifers	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	4	0	24
Upland Mixed Forest	0	0	207	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	278
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	41
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>130</b>	<b>57</b>	<b>247</b>	<b>80</b>	<b>60</b>	<b>61</b>	<b>43</b>	<b>69</b>	<b>124</b>	<b>3</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1099</b>	<b>2015</b>

## Report 2 – Treatment Summary

Newberry Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 122  
Total Compartment Acres: 2,012

Commercial Harvest - 1441  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

		Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood		0	178	0	0	0	0	0	0	0	178
	<b>Total</b>	<b>0</b>	<b>178</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>178</b>

### Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		178	0	0	0	0	51	0	0	0	230
Next Step		0	155	207	0	0	207	644	155	0	1367
	<b>Total</b>	<b>178</b>	<b>155</b>	<b>207</b>	<b>0</b>	<b>0</b>	<b>207</b>	<b>695</b>	<b>155</b>	<b>0</b>	<b>1597</b>

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

<p><b>10 42122010-Cut</b> 12.1 4112 - Maple, Beech, Cherry Association</p> <p><u>Prescription</u> Patch Cut following Hardwood gap guidance. Release pockets of advanced regen with gaps and thin between gap 60-80BA. Leave all white pine &amp; hemlock &amp; a component of yellow birch.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;</p> <p><u>Treatments:</u> Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege</p> <p><u>Acceptable Regen:</u> Sugar Maple</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>	9	131	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><b>13 42122013-Cut</b> 39.4 4110 - Sugar Maple Association</p> <p><u>Prescription</u> Follow hardwoods gap guidance and place large gaps around advanced regeneration pockets. Thin remainder of the stand 70-90 BA. Leave all conifer for diversity. Leave component of large yellow birch. Access through private or corporate land.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;</p> <p><u>Treatments:</u> Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege</p> <p><u>Acceptable Regen:</u> hardwood regeneration</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>	9	132	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><b>22 42122022-Cut</b> 103.7 4112 - Maple, Beech, Cherry Association</p> <p><u>Prescription</u> Follow GAP guidance releasing large pockets of advanced maple regeneration while marking between gaps to 70-90BA. Leave all hemlock, white pine, oak &amp; a component of black cherry.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;</p> <p><u>Treatments:</u> Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege</p> <p><u>Acceptable Regen:</u> Northern Hardwood</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>	9	130	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

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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
45 42122045-Cut	23.2	4112 - Maple, Beech, Cherry Association	9	131	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand 60-80BA, focus on opening canopy to aid in regeneration by removing component of larger trees. Leave all hemlock and a component of larger yellow birch and black cherry. Leave all oak. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable Regen:</u> Northern Hardwoods <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
72 42122072-Monitor	51.3	4211 - Planted Red Pine	0	5	1-50	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> ; Planting, Replant; Pesticide, Aerial - Release <u>Treatments:</u> <u>Acceptable Regen:</u> Planted red pine <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021										

**Total Treatment** 229.7  
**Acreage Proposed:**

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment: Examiner

Compartment: 122  
Year of Entry: 2027

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		5C	2F	2G	3E	3J	3L	5D	
202	203	0	0	Aspen								
10	8	0	1	Bog				1				
31	3	0	28	Hemlock		2			11	15		
4	4	0	0	Herbaceous Openland								
34	22	0	12	Lowland Conifers				12				
10	11	0	0	Lowland Deciduous								
20	8	0	12	Lowland Spruce/Fir			12					
1	1	0	0	Marsh								
8	8	0	0	Natural Mixed Pines								
1102	678	3	420	Northern Hardwood	3			420				
177	177	0	0	Red Pine								
32	27	0	6	Treed Bog							6	
24	24	0	0	Upland Conifers								
278	278	0	0	Upland Mixed Forest								
4	1	0	3	Upland Shrub				3				
40	0	0	40	Upland Spruce/Fir					40			
5	5	0	0	Urban								
16	9	0	7	Water							7	
7	7	0	0	White Pine								
2,006	1,472	3	530	Total Forested Acres	3	2	12	437	52	15	13	
	73%	0%	26%	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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment: Examiner

Compartment: 122  
 Year of Entry: 2027

3	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	7	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	436	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Luce County Lease Lands							
6	<b>Unavailable</b>	3J: Water quality/BMPs (stream, river, or lake)	11	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	3J: Water quality/BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	3L: Other wildlife concerns	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment: Examiner

Compartment: 122  
 Year of Entry: 2027

12	<b>Unavailable</b>	<b>5D: Unproductive forest land</b>	13	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
67	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

<b>SCA Name</b>	<b>SCA Category</b>	<b>Detail Type</b>	<b>Recommendation</b>	<b>Acres</b>
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**Comments**

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
1	4112 - Maple, Beech, Cherry Association	Poletimber Well	22.6	132	51-80	N/A	Stand cut via selection as Kropps Trail hardwoods, sale #004-08-01. Completed 01/20/11. Regeneration good ironwood 5-10 ft maple 3-5 ft in canopy gaps.																																																
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2	4133 - Aspen, Mixed Pine	Sapling Poor	13.1	18		N/A	***Stand harvested as "Ski Trail Aspen", sale #012-07-01. Complete 10/01/08. Regeneration check needed in 2012. Summer 2012: semi open with well stocked aspen clones.																																																
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Red Maple	15	Sapling	2																																																				
3	6113 - Lowland Maple	Sapling Well	10.5	6	1-50	N/A	Low ground, stand is a fringe between upland hardwood and lowland treed bog.																																																
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4	6224 - Treed Bog	None	24.5			No	OPIC - FMD: Suppressed spruce.																																																
5	4139 - Aspen, Mixed Deciduous	Sapling Poor	22.6	4	1-50	N/A	Overstory Removal - Releasing regen within the stand. OPIC - FMD: Stand was treated in 1987; sale #013-87. Occasional scattered WP. Quality of maple in here is not the great, trees have defects. Regeneration is thick from the cutting that took place. Quality could be improved through continued management.																																																
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<b>6</b>	42290 - Natural Mixed Pine	Poletimber Poor	7.9	51	1-50	N/A	opening that is filling in with scattered white pine and planted oak																																													
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<b>7</b>	500 - Water	None	7.7			No	Mervin Lake																																													
<b>8</b>	6225 - Bog	None	7.1			No	Very Wet. Sphagnum Bog Mat present.																																													
<b>9</b>	42350 - Upland Hemlock	Poletimber Well	11.2	189	81-110	N/A	Stand occurs along a hillside that wraps around Mervin Lake.																																													
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<b>10</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.1	131	81-110	N/A	2025 - Nice stand of hardwoods with some conifers around the edge. Access from west through stand 13 or east through private.  Stand was thinned in 1978, sale #15-78. Advanced regen, ~ 1"DBH saps. Treat again to release and enhance growth of existing stand. Access to the stand will have to be through PVT land either the the North, West or East sides of stand. 99=07,03,49,61. Beech has scale. Quality site.																																													
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<b>11</b>	42350 - Upland Hemlock	Poletimber Well	1.6	189	51-80	N/A	Stand is a buffer around a lowland depression. A very steep hillside on the east side of this bog, would be inoperable to equipment.																																													
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<b>12</b>	6225 - Bog	None	1.3			No	Bog/Muskeg. Lowland depression/hole surrounded by upland types.																																													

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<b>13</b>	4110 - Sugar Maple Association	Sawtimber Well	39.4	132	81-110	N/A	2025 - Stand harvested via selection harvest as sale #003-08-01. Complete 06/10/11. Wildlife planting yet to be done as of 07/18/2011. regen good ironwood 5-8 ft maple 3-5 ft Stand was lightly thinned/TSI's in 1978, T.Sale#017-78																																				
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<b>14</b>	3102 - Grass	None	1.2			No	Scattered trees, b.cherry, bushy WP, balsam fir and spruce in an old opening. Opening is filling in with tree cover. Cherry is poor form.																																				
<b>15</b>	122 - Road/Parking Lot	None	1.2			No	Old Engadine Road/County Road 405 Right-Of-Way																																				
<b>16</b>	42110 - Planted Red Pine	Poletimber Well	5.5	66	81-110	N/A	11/2019: Thinned in 2019 as part of By the Numbers Red Pine, #022-17. This was originally part of stand 72, but this was thinned to provide protection to the ski trail.OPIC - FMD: Stand was planted in 1953 and again in 1960. Soil=Kalkaska (burned). ***Stand harvested via thinning as "Ketola Trail Red Pine", sale #006-07-01. Complete 08/05/09.																																				
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<b>17</b>	4119 - Mixed Northern Hardwoods	Poletimber Medium	1.5	31	1-50	N/A	Young hardwood inclusion within a larger stand. Treat stand with surrounding stand.																																				
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<b>18</b>	122 - Road/Parking Lot	None	2.8			No	Powerline R.O.W.																																				
<b>19</b>	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	8.8	21	1-50	N/A	Stand harvested via seed tree as sale #048-07-01, Old Engadine Road Hardwoods. Completed 05/13/10.																																				
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<b>20</b>	4110 - Sugar Maple Association	Sawtimber Well	64.4	131	81-110	N/A	Quality site. Maple regen existing but browsed.Stand harvested via selection as sale #048-07-01, Old Engadine Road Hardwoods. Completed 05/13/10.																																				
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Red Maple	5	Log	10																																								
<b>21</b>	320 - Upland Shrub	None	1.2			No	2025 - Luce County Lease Land. Stand is an opening completely surrounded by hardwoods. Mostly poor formed black cherry growing. Opening has spruce/balsam/maple mix along edges. Raspberry brush/grass on ground.																																				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
<b>22</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	230.2	130	81-110	N/A	2025 - Quality hardwood. Some areas with heavy regeneration and areas with little. Veins of spruce and balsam run through the stand.  Stand harvested via selection harvest as sale #049-07-01, C122 Hardwoods. Completed 05/13/10. Planting (WLD) still to be done as of 12/15/10. OPIC - FMD: Stand has rolling topography. Part of this stand was thinned in 1998, T.Sale#097-01. BA's still around~100-120. Beech has scale. This is a high quality hardwood site. 99=49,07,03. At the review Wildlife Division requested the underplanting of conifer species to increase the conifer component in the hardwood stands in this compartment as well as the underplanting of oak seedlings to replace the mast producing trees that are being lost to beech bark disease. It may be possible to attempt this in this stand. Timing of planting should occur after harvest. See header comments.																																																								
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<b>23</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	19.3	96	111-140	N/A	Stand is a lowland pocket surrounded by upland hardwoods, hemlock and white pine. There is a drainage out of this stand that leads north to Mervin Lake.																																																								
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<b>24</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	2.7	141	111-140	N/A	Stand falls on a hillside that may be difficult to access with the low pocket to the east and the PVT land to the north and west.																																																								
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<b>25</b>	42350 - Upland Hemlock	Poletimber Well	2.6	96	81-110	N/A	Thick conifer pocket with some wet areas within.																																																								
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<b>27</b>	320 - Upland Shrub	None	1.1			No	Luce County Lease Land. Stand is an opening completely surrounded by hardwoods. Mostly poor formed black cherry growing. Opening has spruce/balsam/maple mix along edges. Raspberry brush/grass on ground.																																																								

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28	429 - Mixed Upland Conifers	Poletimber Well	20.1	68	51-80	N/A	Most of the stand was cut in 1977 (TS#20-77). Balsam was mostly all harvested; WP, Hwd, hemlock, and spruce was partially removed. Stand is in a gully/depression surrounded by hardwoods.																														
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31	4116 - Mixed N. Hardwood - Aspen	Sapling Poor	22.6	9	1-50	N/A	Cut 2017, Canada Lakes Sale, White pine, hemlock, cedar left. Aspen and hardwoods coming back with balsam fir.																														
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32	6122 - Black Spruce	Poletimber Poor	5.3	91	51-80	N/A	Cut 2016-2017, Hemlock cedar left. Stand was very wet. OPIC - FMD: Stand is a pocket of lowland conifer. The center of the stand is more lowland spruce/tamarack/leatherleaf. The outside edges of the stand is more hemlock, WP, balsam, spruce, R. Maple and Y. birch. Soil=Lupton/Tawas.																														
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34	320 - Upland Shrub	None	1.0			No	Stand is an opening completely surrounded by hardwoods. There is poor formed black cherry growing in an opening. Opening has scattered spruce/balsam/maple mix along edges. Sec. 34 Road runs through the middle of the stand. Raspberry brush/Grass GC.																														
37	4110 - Sugar Maple Association	Sawtimber Well	58.9	129	81-110	N/A	2025 - little hardwood regen coming into stand. Large maple and cherry with veins of conifers spruce, hemlock, white pine.																														
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<p>***Stand harvested via selection harvest as "Canada Lakes Hardwood", sale #008-07-01. Complete 10/01/08. Planting still to be done as of 10/22/08. Regeneration check needed in 2012. Summer 2012: SM = 719, RM = 126, BF = 69, WP = 57, Aspen = 69, TPA=1039</p>																																					
40	6123 - Lowland Fir	Poletimber Medium	2.2	49	1-50	N/A	Stand was treated in 1977 (T.Sale #020-77). Most all b.fir were cut, WP, hardwood spp. Spruce and hemlock was partially removed. Stand is now a mix of b.fir, black cherry, r. maple, hemlock, y. birch. borders ski trail																														
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42	6224 - Treed Bog	None	2.0			No	Treed bog, scattered suppressed WP and spruce. Leatherleaf brush.																														

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<b>43</b>	42350 - Upland Hemlock	Sawtimber Well	15.3	131	81-110	N/A	2025 - Hemlock dominated stand with large white pine and smaller hardwoods filling in underneath. Pockets of water scattered throughout the stand.																																													
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<b>44</b>	6122 - Black Spruce	Poletimber Well	5.9	96	81-110	N/A	Low ground, pocket surrounded by hemlock/hardwoods.																																													
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<b>45</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.2	131	81-110	N/A	Stand is situated on rolling topography. Conifers mixed throughout and around stand. Many of the hardwood trees have defects and/or poor form. Beech has scale. ***Stand harvested via selection harvest as "Canada Lakes Hardwood", sale #008-07-01. Complete 10/01/08. Regeneration check needed in 2012. Summer 2012: SM = 719, RM = 126, BF = 69, WP = 57, Aspen = 69, TPA=1039																																													
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<b>46</b>	429 - Mixed Upland Conifers	Poletimber Poor	3.6	151	51-80	N/A	Low wet stand with some larger white pine and hemlock along southern edge.																																													
<b>47</b>	42330 - Upland Fir	Poletimber Well	41.1	76	81-110	N/A	Fir stand with some hardwoods mixed in. Low in some areas.																																													
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<b>48</b>	500 - Water	None	12.7			No	OPIC - FMD: Soil=Spot																																													
<b>50</b>	6122 - Black Spruce	Poletimber Well	6.1	91	81-110	N/A	Spruce, tamarack stand. Wet low ground.																																													
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<b>51</b>	500 - Water	None	1.3			No	Canada Lake.																																													
<b>52</b>	6224 - Treed Bog	None	5.9			No	Treed bog surrounding Canada Lake.																																													

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
<b>53</b>	4110 - Sugar Maple Association	Sawtimber Well	110.9	131	81-110	N/A	Cut 2018 ish part of Canada Lakes Hwds. Left all White pine.																																																					
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<b>54</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	60.4	131	81-110	N/A	Stand harvested via selection as sale #007-07-01, Ski Trail hardwoods. Completed 04/05/10.																																																					
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<b>56</b>	4311 - Pine, Aspen Mix	Sapling Well	71.0	21	Immature	N/A	***Stand harvested as "Ski Trail Aspen", sale #012-07-01. Complete 10/01/08. Regeneration check needed in 2012. Summer 2012: Aspen Fully Stocked																																																					
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<b>58</b>	42110 - Planted Red Pine	Sawtimber Well	75.9	76	81-110	N/A	2025- some red pine regen pockets coming up underneath. Understory us beginning to be dominated by maple 5-15 ft tall.  11/2019: Thinned in 2019 as part of By the Numbers Red Pine, #022/17.OPIC - FMD: Entire stand was thinned in 1999; T.sale#001-98. South 2/3 of stand was thinned in 1989; T.sale#004-87. Stand BA ranges from 120-190. Thin for last time . Soil=Kalkaska (burned). ***Stand thinned as "Ski Trail Red Pine", sale #023-07-01. Completed 6/3/09.																																																					
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<b>59</b>	122 - Road/Parking Lot	None	1.0			No	Canada Lakes Ski Trail parking lot.																																																					
<b>61</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.6	128	81-110	N/A	Cut 2018 Canada Lake Hardwoods - Thinning. OPIC - FMD: Stand was thinned in 1987, T.Sale#012-87. Stand has established regen on the ground. Beech has scale. The site has potential, but many of the trees here have defects/poor form. Soil = Kalkaska (burned).																																																					
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<b>62</b>	4311 - Pine, Aspen Mix	Sapling Poor	141.4	17	Immature	N/A	. ***Stand treated via selection harvest as "White Butterfly", sale #009-07-01. Complete 08/05/09. White pine, hemlock, red pine all left as residual. MO of aspen.																														
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<b>63</b>	4133 - Aspen, Mixed Pine	Poletimber Poor	34.9	51	51-80	N/A	Stand is predominantly low quality aspen, b. cherry. Reindeer moss, bracken fern and grass on the ground. Trees are suppressed and old. WP stumps present. Upland brush. Looks like area may have burned hard years ago.																														
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<b>64</b>	623 - Emergent Wetland	None	1.2			No	Marsh/Water hole the seasonally dries up. Leatherleaf and grasses on the ground. Nealy dry now. Surrounded by poor quality aspen, cherry, wolfy WP and spruce.																														
<b>65</b>	4133 - Aspen, Mixed Pine	Sapling Medium	26.7	18	Immature	N/A	Large area with aspen and mixed pine two aged stand. ***Stand harvested as "Canada Lakes Hardwood", sale #008-07-01. Complete 10/01/08. Regeneration check needed in 2012. Summer 2012: SM = 719, RM = 126, BF = 69, WP = 57, Aspen = 69, TPA=1039																														
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<b>66</b>	6122 - Black Spruce	Poletimber Well	2.6	86	111-140	N/A	Stand is mostly black spruce. Hemlock, cedar, WP, Y.birch, tamarack and red maple mixed in mostly on the stand edges. Sphagnum moss on the ground.																														
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<b>67</b>	411 - Northern Hardwood	Sawtimber Well	3.5	131	111-140	N/A	2025 - Rolling topography within the stand, lower pockets has hemlock, beech and yellow birch. If treated, mark hardwood species, leave hemlock/white pine. Secondary Management Objective would be hemlock or a mix of what is currently here. 10/23/07- After re-evaluating the stand during the timber sale preparation, it was decided not to treat this it at this time. Given what was prescribed and finding out more about what the stand looked like on the ground while doing field work, the prescription did not fit well. There are low pockets that are seasonally wet as well as rolling to steep topography. The stand is heavy to hemlock in many places making it difficult to treat what was prescribed. Most beech is stand is nearly dead from BBD. Stand is naturally converting to hemlock. Stand does make a very good retention area amongst the predominant upland hardwood landscape.																														

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
72	4211 - Planted Red Pine	Unspecified	51.5	5	1-50		2024 Artificial Regen Linear Survey Report:Forest Resource Services SPP: RPPlanted TPA: 787Survived TPA: 829% mortality: 5.6% free to grow: 70Height: 2.2Notes: lots of grasses aspen cherry &c. Spray recommended. OPIC - FMD: Stand was planted in 1953 and again in 1960. Soil=Kalkaska (burned). ***Stand harvested via thinning as "Ketola Trail Red Pine", sale #006-07-01. Complete 08/05/09.11/2019: Clearcut in 2019 as part of By the Numbers Red Pine, #022-17. 7/30/2020: Site trenching complete July 2020. Site prep spray on POW. 9/10/2021: Site prep sprayed. Report attached in stand data. Ready for planting.Stand planted with 901 TPA red pine on 5/10/2022.***Cultivation treatment sequence changed. Stand will be trenched in 2020, site prep sprayed in 2021, and planted in 2022. This will follow newly implemented statewide sequence for red pine cultivation treatments.
			Red Pine	High	< 5 feet	< 5 feet	
76	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	7.2	73	81-110	N/A	Planted WP is 1-3 sticks tall and limby. Planted in 1953. Large/mature aspen scattered throughout stand. Aspen overtops the WP. If aspen is cut now, residual WP would be damaged. WP is not that big now in diameter, many sub-merchantable trees. Leave for another 10 years and re-evaluate.
	Paper Birch	5	Pole/Sapling	7			
	Red Pine	2	Log/Pole	10			
	White Pine	68	Pole/Log	9	73		
77	42110 - Planted Red Pine	Sawtimber Well	43.8	66	81-110	N/A	11/2019: Thinned in 2019 as part of By the Numbers Red Pine, #022-17.Stand was planted in 1953 and again in 1960. Some trees survived from the 53' planting. Never been thinned. Soil=Kalkaska (burned) ***Stand harvested via thinning as "Ketola Trail Red Pine", sale #006-07-01. Complete 08/05/09.
	White Pine	5	Log	15			
	Red Pine	95	Log/Pole	12	66		
79	4130 - Aspen	Sapling Well	59.7	34	Immature	N/A	Stand was cut in 1992, T.Sale#021-92. Aspen regeneration with WP, balsam, cherry, spruce mixed in. Some scattered RP/WP poles in the overstory that were left as residual from the harvest.
	Black Cherry	5	Sapling	4			
	Balsam Fir	5	Sapling	4			
	Bigtooth Aspen	90	Sapling	4	34		
80	4130 - Aspen	Sapling Well	8.0	45	51-80	N/A	Stand was cut in 1981, T.Sale#015-81. Aspen is the dominate species with cherry, balsam, spruce and white pine mixed in. Some of the aspen in the stand is poor quality. Some stems just coming into merchantability.
	Balsam Fir	5	Pole/Sapling	5			
	White Pine	5	Log	12	86		
	Red Pine	5	Log/Pole	10			
	Bigtooth Aspen	85	Pole/Sapling	5	45		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>81</b>	4133 - Aspen, Mixed Pine	Sapling Well	37.5	45	51-80	N/A	Stand was cut in 1981, T.Sale#015-81. Aspen is the dominate species with cherry, balsam, spruce and white pine mixed in. Some of the aspen in the stand is poor quality. Some stems just coming into merchantability.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Balsam Fir	10	Sapling	4				
Bigtooth Aspen	65	Sapling	4	45			
White Pine	15	Log/Pole	10	71			
Black Cherry	5	Pole/Sapling	5				
Red Pine	5	Log/Pole	10				
<b>86</b>	4311 - Pine, Aspen Mix	Sapling Medium	65.9	19	51-80	N/A	***Stand treated via selection harvest as "White Butterfly", sale #009-07-01. Complete 08/05/09.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Bigtooth Aspen	45	Sapling	3	19			
Balsam Fir	10	Sapling	3				
Red Pine	10	Log/Pole	10				
White Pine	25	Log	16	76			
Black Cherry	10	Sapling	3				
<b>475</b>	3102 - Grass	None	2.7			No	Small diameter, poor quality aspen and b. cherry, WP seeding in, seedlings/saps scattered throughout. Ground cover is reindeer moss, grass and b. fern. Some scattered red pine on edges where the surrounding plantation failed. Oak saplings planted after last YOY. Most died.
<b>701</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	63.4	131	51-80	N/A	Luce County Lease Land. Stand was treated in 1990 (Sale#015-88) and treated again in 2001-02 (Sale# 015-98). Stand was marked fairly uniform across the acreage. Regen coming in, thick in some places. 12/1/05 - This stand suffered major wind damage last month and a salvage operation is currently underway to salvage the blowdowns. There are areas with very little residual BA left.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Black Cherry	20	Log/Pole	10				
Sugar Maple	50	Log	14	131			
Red Maple	30	Log	14	131			
<b>703</b>	6123 - Lowland Fir	Poletimber Well	1.7	49	51-80	N/A	Luce County Lease Land. Most of stand was treated in 1977 (T.Sale 020-77). Balsam was mostly all cut and the WP, Hwd, hemlock and spruce was partially removed. Stand is in a gully/depression surrounded by hardwoods.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple	5	Log	14				
Balsam Fir	50	Pole	7	49			
Hemlock	5	Log	14				
White Pine	40	Log	16				
<b>704</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	10.4	49	51-80	N/A	Luce County Lease Land. Stand was treated in 1977 (T.Sale#020-77). Most all b.fir was cut and WP, hwd, spruce and hemlock was partially removed. Most of what is standing now is regeneration of what was cut.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Balsam Fir	45	Pole	6	49			
Red Maple	10	Log/Pole	10				
Hemlock	5	Log	16				
White Pine	40	Log	16				
<b>705</b>	6225 - Bog	None	1.3			No	Luce County Lease Land.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
<b>708</b>	4110 - Sugar Maple Association	Poletimber Well	275.5	131	51-80	N/A	Luce County Lease Land. Stand was treated in 1990 (Sale#015-88) and treated again in 2001-02 (Sale# 015-98). It will likely be treated again before the lease is expired. Stand was marked fairly uniform across the acreage. Regen coming in, thick in some places. . 12/1/05 - Areas of this stand suffered major wind damage last month and a salvage effort is currently underway. 1/13/06 - At the review Wildlife Division requested the underplanting of conifer species to increase the conifer component in hardwood stands within this compartment as well as underplanting oak seedlings to replace mast producing trees that are being lost to beech bark disease. It may be possible to attempt this in this stand immediately following the next harvest that is scheduled. See header comments for more info.																				
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<b>710</b>	320 - Upland Shrub	None	1.0			No	Luce County Lease Land. Stand is an opening completely surrounded by hardwoods. Mostly poor formed black cherry growing. Opening has spruce/balsam/maple mix along edges. Raspberry brush/grass on ground.																				
<b>717</b>	4110 - Sugar Maple Association	Sawtimber Well	81.0	131	51-80	N/A	Luce County Lease Land. Stand was treated in 98', two separate sales, 013-94 and 023-94. It will likely be treated again before the lease expires. Historical Comment - Occasional Y. Birch, spruce and WP throughout stand. Beech scale present. At the review Wildlife Division requested the underplanting of conifer species to increase the conifer component in hardwood stands within this compartment as well as the underplanting of oak seedlings to replace the mast producing trees being lost to beech bark disease. It may be possible to attempt this in this stand once treatments have take place. Timing of planting should occur immediately after harvest.																				
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