

# 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:**

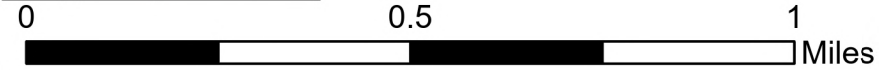
Avoid winter harvest operations to limit recreational trail conflicts.





































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

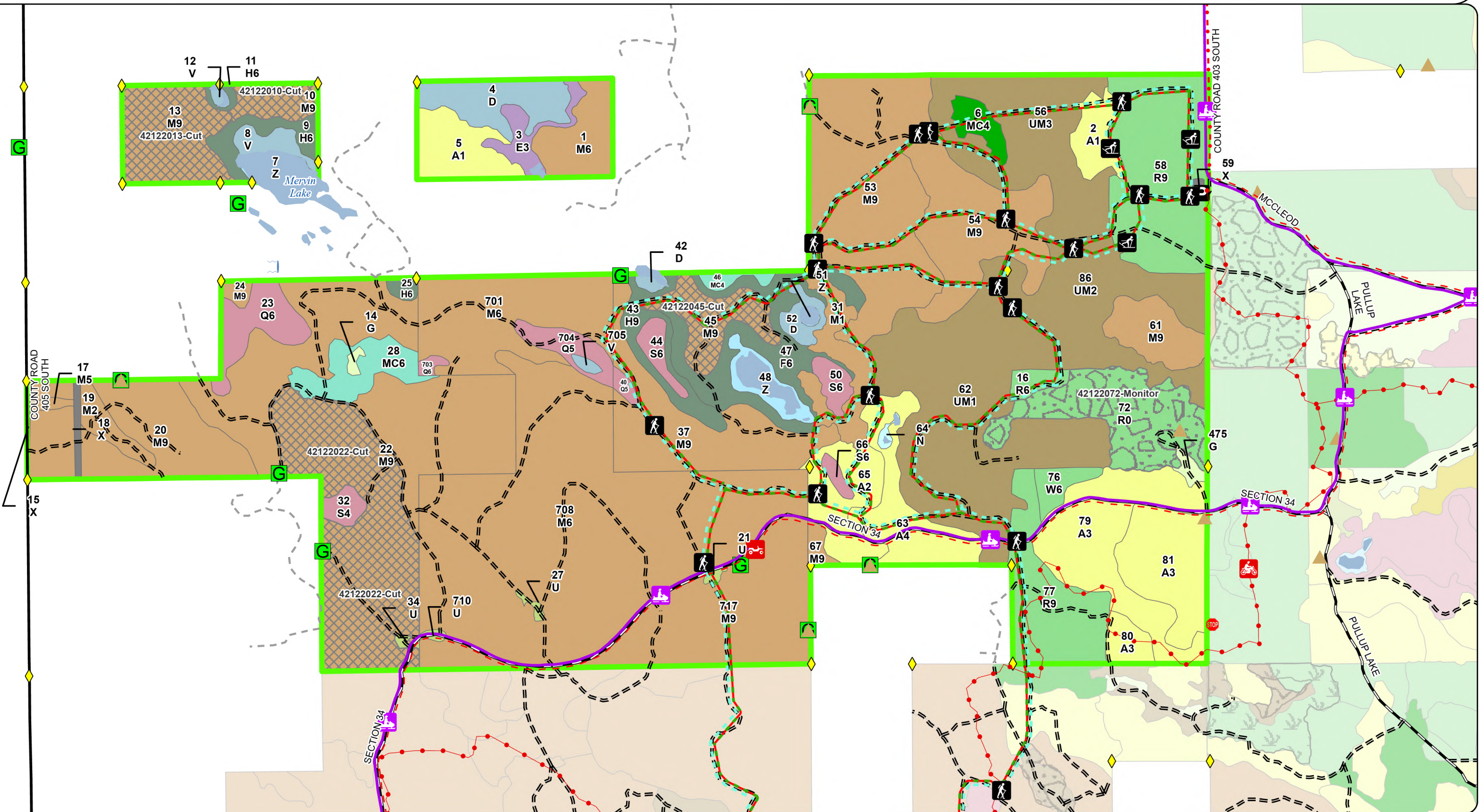
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

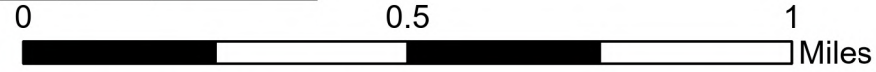
## **The following information is displayed, where pertinent, on the attached compartment maps:**










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



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





-  Survey Grade Corners
-  Berms
-  Gate
-  Culvert
-  Parking Lot
-  Sign
-  Designated Bicycle Trails
-  Designated Motorcycle Trails
-  Designated ORV Routes

-  Designated Snowmobile Trails
-  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

- 500 - Water
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# Special Conservation Areas & Site Conditions 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: 08/19/2025  
Map Phase: Web Post

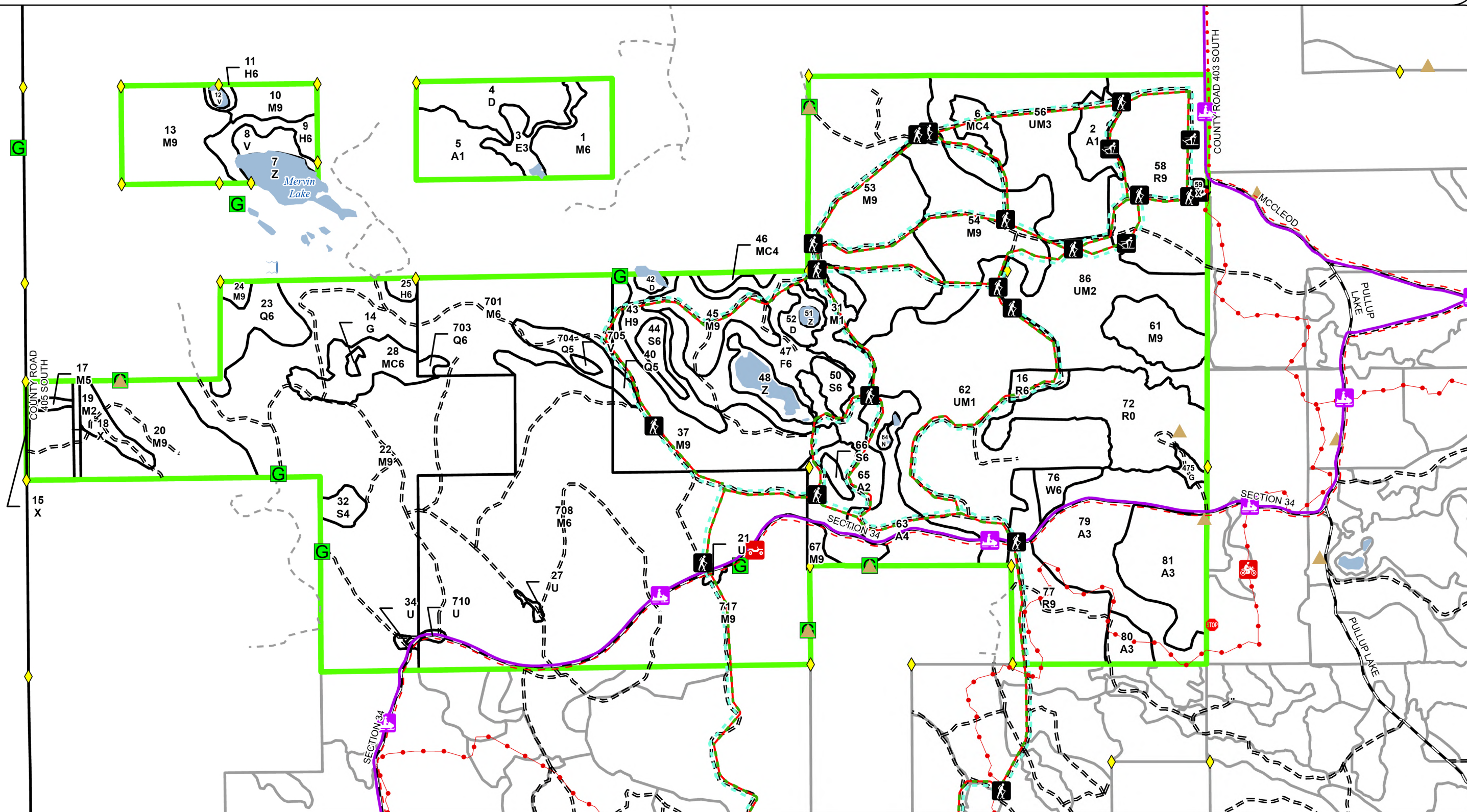


0 0.5 1 Miles

- Survey Grade Corners
- Berms
- Gate
- Culvert
- Parking Lot
- Sign
- Designated Bicycle Trails

- Designated Motorcycle Trails
- Designated ORV Routes
- Designated Snowmobile Trails
- 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
- Counties
- Compartment Boundary
- Stand Boundaries



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

Compartment 122 Year of Entry 2027

	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
Total	130	57	247	80	60	61	43	69	124	3	39	0	0	0	0	0	4	1099	2015

## 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	Oversory Removal	Salvage	Other	Total Acres
Northern Hardwood		0	178	0	0	0	0	0	0	0	178
	Total	0	178	0	0	0	0	0	0	0	178

### 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
	Total	178	155	207	0	0	207	695	155	0	1597

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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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**Proposed Treatments:**

<b>10</b>	<b>42122010-Cut</b>	12.1	4112 - Maple, Beech, Cherry Association	9	130	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Patch Cut following Hardwood gap guidance. Release pockets of advanced regen with gaps and thin between gap 60-80BA. Leave all white pine & hemlock & a component of yellow birch.

Next Step Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;  
Treatments: Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege

Acceptable Sugar Maple  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

<b>13</b>	<b>42122013-Cut</b>	39.4	4110 - Sugar Maple Association	9	131	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription 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. Access through private or corporate land.

Next Step Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;  
Treatments: Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege

Acceptable hardwood regeneration  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

<b>22</b>	<b>42122022-Cut</b>	103.7	4112 - Maple, Beech, Cherry Association	9	129	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Follow GAP guidance releasing large pockets of advanced maple regeneration while marking between gaps to 70-90BA. Leave all hemlock, white pine, oak & a component of black cherry.

Next Step Monitoring, Natural Regen (Intermediate); Planting, Hardwood - Seedling; Monitoring, Artificial Regen; Monitoring, Artificial Regen;  
Treatments: Other, Regeneration Fencing; Pesticide, Skidder - Release; SitePrep, Scarification; Monitoring, Natural Rege

Acceptable Northern Hardwood  
Regen:

Other  
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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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
<b>45 42122045-Cut</b>	23.2	4112 - Maple, Beech, Cherry Association	9	130	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 <u>Specs:</u> component of larger yellow birch and black cherry. Leave all oak.  <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u>  <u>Acceptable</u> Northern Hardwoods <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2026										

**Approved Treatments:**

<b>72 42122072-Monitor</b>	51.3	4211 - Planted Red Pine	0	4	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</u> Planted red pine <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2021										

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



Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions							
Acres	Available	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
Comments:								

## Report 4 – Site Conditions



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

Newberry Mgt. Unit  
Matt Payment: Examiner

## Report 4 – Site Conditions

Compartment: 122  
Year of Entry: 2027



12	Unavailable	5D: Unproductive forest land	13	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
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Comments:

67	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments
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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	131	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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Cherry		20	Seedling	8		Ironwood		Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		33		10	131	Red Maple		Low	5 - 10 feet	5 - 10 feet
White Pine		2		14		Sugar Maple		Low	5 - 10 feet	5 - 10 feet
Red Maple		35		12	131					
White Spruce		5		10						
Balsam Fir		5	Sapling	7						
2	4133 - Aspen, Mixed Pine	Sapling Poor	13.1	17		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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Red Pine		5		10						
Red Maple		15	Log	2						
White Pine		20		8	90					
White Pine		5	Log	2						
Jack Pine		5	Sapling	5						
Quaking Aspen		45	Pole	2	17					
Balsam Fir		5	Sapling	5						
3	6113 - Lowland Maple	Sapling Well	10.5	5	1-50	N/A	Low ground, stand is a fringe between upland hardwood and lowland treed bog.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Black Spruce		2	Log	3						
Red Maple		78	Log	2	5					
Northern White Cedar		2		12						
Balsam Fir		10	Log	2						
Hemlock		3		16						
White Pine		5		16						
4	6224 - Treed Bog	None	24.5			No	OPIC - FMD: Suppressed spruce.			
5	4139 - Aspen, Mixed Deciduous	Sapling Poor	22.6	3	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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Red Maple		15	Log	3						
Sugar Maple		15	Log	3	3					
Quaking Aspen		50	Log	3	3					
Yellow Birch		5	Log	1						
Balsam Fir		10	Log	3						
Paper Birch		5	Log	2						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
6	42290 - Natural Mixed Pine	Poletimber Poor	7.9	50	1-50	N/A	opening that is filling in with scattered white pine and planted oak																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>6</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>55</td><td></td><td>9</td><td>50</td></tr><tr><td>Jack Pine</td><td>2</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Red Oak</td><td>2</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Pine</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	6	Sapling	5		Quaking Aspen	10	Sapling	5		Red Maple	10	Log	2		Paper Birch	5	Sapling	6		White Pine	55		9	50	Jack Pine	2	Sapling	5		Red Oak	2	Log	2		Red Pine	10	Seedling	9	
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Red Maple	10	Log	2																																																	
Paper Birch	5	Sapling	6																																																	
White Pine	55		9	50																																																
Jack Pine	2	Sapling	5																																																	
Red Oak	2	Log	2																																																	
Red Pine	10	Seedling	9																																																	
7	500 - Water	None	7.7			No	Mervin Lake																																													
8	6225 - Bog	None	7.1			No	Very Wet. Sphagnum Bog Mat present.																																													
9	42350 - Upland Hemlock	Poletimber Well	11.2	188	81-110	N/A	Stand occurs along a hillside that wraps around Mervin Lake.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>10</td><td></td><td>20</td><td></td></tr><tr><td>Hemlock</td><td>80</td><td></td><td>16</td><td>188</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10		20		Hemlock	80		16	188	Red Maple	10		10																										
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.1	130	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.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>15</td><td></td><td>14</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>White Spruce</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Sugar Maple</td><td>70</td><td></td><td>16</td><td>130</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15		14		Yellow Birch	5		10		White Spruce	5		10		Balsam Fir	5	Seedling	7		Sugar Maple	70		16	130															
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Sugar Maple	70		16	130																																																
11	42350 - Upland Hemlock	Poletimber Well	1.6	188	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.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Hemlock</td><td>80</td><td></td><td>16</td><td>188</td></tr><tr><td>White Pine</td><td>10</td><td></td><td>20</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	80		16	188	White Pine	10		20		Red Maple	10		10																										
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White Pine	10		20																																																	
Red Maple	10		10																																																	
12	6225 - Bog	None	1.3			No	Bog/Muskeg. Lowland depression/hole surrounded by upland types.																																													

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
13	4110 - Sugar Maple Association	Sawtimber Well	39.4	131	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 ftStand was lightly thinned/TSI's in 1978, T.Sale#017-78																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>10</td><td></td><td>10</td><td></td></tr><tr><td>Sugar Maple</td><td>80</td><td></td><td>15</td><td>131</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>16</td><td></td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Black Cherry	10		10		Sugar Maple	80		15	131	Red Maple	10		16															
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Sugar Maple	80		15	131																																				
Red Maple	10		16																																					
14	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.																																	
15	122 - Road/Parking Lot	None	1.2			No	Old Engadine Road/County Road 405 Right-Of-Way																																	
16	42110 - Planted Red Pine	Poletimber Well	5.5	65	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.																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>2</td><td></td><td>10</td><td></td></tr><tr><td>Red Pine</td><td>96</td><td></td><td>11</td><td>65</td></tr><tr><td>White Pine</td><td>2</td><td></td><td>12</td><td></td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Black Cherry	2		10		Red Pine	96		11	65	White Pine	2		12															
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Red Pine	96		11	65																																				
White Pine	2		12																																					
17	4119 - Mixed Northern Hardwoods	Poletimber Medium	1.5	30	1-50	N/A	Young hardwood inclusion within a larger stand. Treat stand with surrounding stand.																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Ironwood</td><td>40</td><td>Log</td><td>3</td><td></td></tr><tr><td>Sugar Maple</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>Black Cherry</td><td>50</td><td>Log</td><td>4</td><td>30</td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Ironwood	40	Log	3		Sugar Maple	10	Log	2		Black Cherry	50	Log	4	30														
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Black Cherry	50	Log	4	30																																				
18	122 - Road/Parking Lot	None	2.8			No	Powerline R.O.W.																																	
19	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	8.8	20	1-50	N/A	Stand harvested via seed tree as sale #048-07-01, Old Engadine Road Hardwoods. Completed 05/13/10.																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>33</td><td>Log</td><td>2</td><td>20</td></tr><tr><td>Bigtooth Aspen</td><td>34</td><td>Log</td><td>2</td><td>20</td></tr><tr><td>Red Maple</td><td>33</td><td>Log</td><td>2</td><td></td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Black Cherry	33	Log	2	20	Bigtooth Aspen	34	Log	2	20	Red Maple	33	Log	2															
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Red Maple	33	Log	2																																					
20	4110 - Sugar Maple Association	Sawtimber Well	64.4	130	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.																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>90</td><td></td><td>10</td><td>130</td></tr><tr><td>Black Cherry</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td></td><td>10</td><td></td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Sugar Maple	90		10	130	Black Cherry	5	Seedling	8		Red Maple	5		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Ironwood</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	< 5 feet	< 5 feet	Ironwood	Medium	< 5 feet	< 5 feet
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Ironwood	Medium	< 5 feet	< 5 feet																																					
21	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																																																											
22	4112 - Maple, Beech, Cherry Association	Sawtimber Well	230.2	129	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.																																																											
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Canopy Species	% Cover	Size Class	DBH	Age																																																														
Red Maple	10		12																																																															
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Ironwood	Medium	Variable	Variable																																																															
23	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	19.3	95	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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24	4112 - Maple, Beech, Cherry Association	Sawtimber Well	2.7	140	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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25	42350 - Upland Hemlock	Poletimber Well	2.6	95	81-110	N/A	Thick conifer pocket with some wet areas within.																																																											
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27	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.																																																											

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
28	429 - Mixed Upland Conifers	Poletimber Well	20.1	67	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	8	1-50	N/A	Cut 2017, Canada Lakes Sale, White pine, hemlock, cedar left. Aspen and hardwoods coming back with balsam fir.																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Yellow Birch</td><td>10</td><td>Seedling</td><td>8</td><td>75</td></tr><tr><td>Red Maple</td><td>55</td><td>Log</td><td>2</td><td>8</td></tr><tr><td>Quaking Aspen</td><td>20</td><td>Log</td><td>2</td><td>8</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>2</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>16</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Yellow Birch	10	Seedling	8	75	Red Maple	55	Log	2	8	Quaking Aspen	20	Log	2	8	Balsam Fir	10	Pole	2		White Pine	5		16	
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32	6122 - Black Spruce	Poletimber Poor	5.3	90	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	128	81-110	N/A	2025 - little hardwood regen coming into stand. Large maple and cherry with veins of conifers spruce, hemlock, white pine.  ***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																														
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Sugar Maple	80		14	128																																	
Black Cherry	5		10																																		
40	6123 - Lowland Fir	Poletimber Medium	2.2	48	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																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>40</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>16</td><td></td></tr><tr><td>Balsam Fir</td><td>50</td><td>Sapling</td><td>6</td><td>48</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	40		12		White Pine	10		16		Balsam Fir	50	Sapling	6	48										
Canopy Species	% Cover	Size Class	DBH	Age																																	
Red Maple	40		12																																		
White Pine	10		16																																		
Balsam Fir	50	Sapling	6	48																																	
42	6224 - Treed Bog	None	2.0			No	Treed bog, scattered suppressed WP and spruce. Leatherleaf brush.																														

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
43	42350 - Upland Hemlock	Sawtimber Well	15.3	130	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.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Hemlock</td><td>80</td><td></td><td>14</td><td>130</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>20</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	80		14	130	Red Maple	10		10		White Pine	10		20																										
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44	6122 - Black Spruce	Poletimber Well	5.9	95	81-110	N/A	Low ground, pocket surrounded by hemlock/hardwoods.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>60</td><td>Seedling</td><td>8</td><td>95</td></tr><tr><td>White Pine</td><td>10</td><td></td><td>18</td><td></td></tr><tr><td>Tamarack</td><td>30</td><td>Seedling</td><td>6</td><td></td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	60	Seedling	8	95	White Pine	10		18		Tamarack	30	Seedling	6																											
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45	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.2	130	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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Sugar Maple	40		14		Balsam Fir	Low	Variable	Variable																																												
46	429 - Mixed Upland Conifers	Poletimber Poor	3.6	150	51-80	N/A	Low wet stand with some larger white pine and hemlock along southern edge.																																													
47	42330 - Upland Fir	Poletimber Well	41.1	75	81-110	N/A	Fir stand with some hardwoods mixed in. Low in some areas.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Spruce</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Hemlock</td><td>10</td><td></td><td>14</td><td></td></tr><tr><td>Yellow Birch</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>16</td><td></td></tr><tr><td>Balsam Fir</td><td>60</td><td>Seedling</td><td>6</td><td>75</td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	5		12		Red Maple	10	Seedling	6		Hemlock	10		14		Yellow Birch	10	Seedling	8		White Pine	5		16		Balsam Fir	60	Seedling	6	75											
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Balsam Fir	60	Seedling	6	75																																																
48	500 - Water	None	12.7			No	OPIC - FMD: Soil=Spot																																													
50	6122 - Black Spruce	Poletimber Well	6.1	90	81-110	N/A	Spruce, tamarack stand. Wet low ground.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>90</td><td>Seedling</td><td>8</td><td>90</td></tr><tr><td>Tamarack</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	90	Seedling	8	90	Tamarack	10	Seedling	6																																
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51	500 - Water	None	1.3			No	Canada Lake.																																													
52	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																																																							
53	4110 - Sugar Maple Association	Sawtimber Well		110.9	130	81-110	N/A	Cut 2018 ish part of Canada Lakes Hwds. Left all White pine.																																																							
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Balsam Fir	Medium	Variable	Variable																																																												
Red Maple	Low	Variable	Variable																																																												
54	4119 - Mixed Northern Hardwoods	Sawtimber Well		60.4	130	81-110	N/A	Stand harvested via selection as sale #007-07-01, Ski Trail hardwoods. Completed 04/05/10.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Yellow Birch</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>12</td><td></td><td>16</td><td></td></tr><tr><td>Sugar Maple</td><td>53</td><td></td><td>12</td><td>130</td></tr><tr><td>Red Maple</td><td>20</td><td></td><td>10</td><td></td></tr><tr><td>White Spruce</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>				Canopy Species	% Cover	Size Class	DBH	Age	Yellow Birch	5	Seedling	8		White Pine	12		16		Sugar Maple	53		12	130	Red Maple	20		10		White Spruce	5		10		Black Cherry	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Low	Variable	Variable	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	Sugar Maple	Medium	5 - 10 feet	5 - 10 feet	
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Sugar Maple	Medium	5 - 10 feet	5 - 10 feet																																																												
56	4311 - Pine, Aspen Mix	Sapling Well		71.0	20	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																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>3</td><td></td><td>12</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>50</td><td>Log</td><td>2</td><td>20</td></tr><tr><td>White Pine</td><td>47</td><td>Log</td><td>3</td><td></td></tr></table>				Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3		12		Bigtooth Aspen	50	Log	2	20	White Pine	47	Log	3																																									
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White Pine	3		12																																																												
Bigtooth Aspen	50	Log	2	20																																																											
White Pine	47	Log	3																																																												
58	42110 - Planted Red Pine	Sawtimber Well		75.9	75	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.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>3</td><td></td><td>18</td><td></td></tr><tr><td>Red Pine</td><td>97</td><td></td><td>12</td><td>75</td></tr></table>				Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3		18		Red Pine	97		12	75					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.																																								
Canopy Species	% Cover	Size Class	DBH	Age																																																											
White Pine	3		18																																																												
Red Pine	97		12	75																																																											
59	122 - Road/Parking Lot	None		1.0			No	Canada Lakes Ski Trail parking lot.																																																							
61	4112 - Maple, Beech, Cherry Association	Sawtimber Well		20.6	127	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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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
62	4311 - Pine, Aspen Mix	Sapling Poor	141.4	16	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.																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>20</td><td></td><td>10</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>50</td><td>Log</td><td>3</td><td>16</td></tr><tr><td>Hemlock</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>25</td><td></td><td>15</td><td>75</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	20		10		Bigtooth Aspen	50	Log	3	16	Hemlock	5		12		White Pine	25		15	75					
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63	4133 - Aspen, Mixed Pine	Poletimber Poor	34.9	50	51-80	N/A																															
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White Pine	20	Seedling	9																																		
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64	623 - Emergent Wetland	None	1.2			No																															
65	4133 - Aspen, Mixed Pine	Sapling Medium	26.7	17	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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66	6122 - Black Spruce	Poletimber Well	2.6	85	111-140	N/A																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>15</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Hemlock</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Black Spruce</td><td>80</td><td>Seedling</td><td>8</td><td>85</td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	15	Seedling	8		Hemlock	5		14		Black Spruce	80	Seedling	8	85											
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Hemlock	5		14																																		
Black Spruce	80	Seedling	8	85																																	
67	411 - Northern Hardwood	Sawtimber Well	3.5	130	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	4	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.
76	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	7.2	72	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.
77	42110 - Planted Red Pine	Sawtimber Well	43.8	65	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.
79	4130 - Aspen	Sapling Well	59.7	33	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.
80	4130 - Aspen	Sapling Well	8.0	44	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.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
81	4133 - Aspen, Mixed Pine	Sapling Well	37.5	44	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.																														
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Bigtooth Aspen	65	Log	4	44																																	
86	4311 - Pine, Aspen Mix	Sapling Medium	65.9	18	51-80	N/A	***Stand treated via selection harvest as "White Butterfly", sale #009-07-01. Complete 08/05/09.																														
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475	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.																														
701	4112 - Maple, Beech, Cherry Association	Poletimber Well	63.4	130	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.																													
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703	6123 - Lowland Fir	Poletimber Well	1.7	48	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.																														
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704	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	10.4	48	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.																														
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705	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																				
708	4110 - Sugar Maple Association	Poletimber Well	275.5	130	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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Sugar Maple	70		12	130																							
710	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.																				
717	4110 - Sugar Maple Association	Sawtimber Well	81.0	130	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.																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>90</td><td></td><td>14</td><td>130</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>15</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	90		14	130	Red Maple	10		15						
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