



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42137

Entry Year 2026

Acreage: 2,768

County Luce

Management Area: Grand Marais Moraine Complex

**Stand Examiner:** Amy Livermore

## Legal Description:

T50N R7W Sections 5, 6, 7, 8, 18

T50N R8W Sections 1, 11, 12, 13, 14, 15

## Identified Planning Goals:

This compartment is comprised of the Crisp Point property acquired in 2012. Timber management, wildlife habitat and protection of natural communities within the compartment are equally important management goals. Treatments prescribed will help maintain forest productivity, forest health, species diversity, and age class diversity and continue to enhance the quality of the wildlife habitat. Protection of the natural communities associated with the sensitive dune systems and the Lake Superior shoreline is an essential goal within the compartment.

## Soil and topography:

The major soil series within the compartment boundary are Sporley silt loam, Wallace sand, Pence very fine sand loam, Paquin sand, Alcona loamy very fine sand, Gaastra-Gogomain-Ingalls complex, Markey and Carbondale mucks. Other soil types include Deer Park sand, Liminga-Alcona complex, Kalkaska sand, Halfaday sand, Rousseau fine sand, Roscommon muck, Croswell sand. Topography ranges from wet, lowlands to fairly steep ridges ranging from 15-60% slopes.

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

The compartment consists of one large, contiguous block of recently acquired State land. State land borders the compartment to the west. To the south is private industrial land and to the east is a mix of small private land owners and small State parcels. Development in the area is minimal. Crisp Point Lighthouse is located just outside the western boundary of the compartment. Other development in the area would include small cabins and camps on private land. Land use is mainly recreational in the forms of hunting, fishing and ORV riding.

## Unique Natural Features:

The compartment contains Browns Creek. MNFI lists the potential for various sensitive flora and fauna associated with adjacent natural communities. A portion of the large hardwood complex (Stand 8 & 14) has unique topographical characteristics with slopes ranging from 15-35% and numerous seasonal drainages.

## Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

## Special Management Designations or Considerations:

The compartment includes a sensitive area within the compartment. There is a Mesic Northern Forest ERA located in the south east corner of the compartment. An adjacent stand to the ERA has been nominated for Type 2 Old Growth. All management within the compartment will follow all guidelines associated with those designations.

## Watershed and Fisheries Considerations:

A series of small tributaries and Browns Creek flows north into Browns Lake. Also, in the southwest corner of the compartment tributaries to Threemile Creek are present. These tributaries to Threemile Creek are designated trout streams. Browns Lake has not had any formal survey conducted there, but a winter limnological survey of the water column found dissolved oxygen unsuitable for most game species. It is likely that the lake experiences frequent winterkills due to the long periods of ice cover and heavy snow. To protect these streams in accordance with BMPs, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended. Stands 7, 11, and 35 need buffers along the stream if banks and stream channel are apparent.

## Wildlife Habitat Considerations:

Compartment 137 lies in the Grand Marais Moraine Management Area in northern Luce County just south of Crisp Point and Browns Lake. The bulk of the compartment is northern hardwoods with a significant component of lowland mixed types and mixed conifers. Maintaining species diversity and size class diversity is important in hardwood stands that are thinned. Wildlife objectives will be achieved by the retention of conifers, hard and soft mass-producing trees, promoting/protecting wildlife den and nest trees and snags in hardwood stands, and large diameter trees. Healthy, disease resistant beech trees should be left where found, in addition to retaining mature mast producing beech trees (even

if they do not look healthy), in an effort to maintain as much hard mast on the landscape as possible.

White-tailed deer, fisher, black bear and American marten are noteworthy wildlife species using this compartment. Be on the lookout for stick nests from raptors within this compartment. These are nice stands that host a variety of different species of trees that in return support a variety of wildlife. Deer trails, bear and coyote sign, old stick nests, and plentiful small mammals observed during compartment visits. Many stands had large standing legacy trees with limbs and cavities, in addition to coarse woody debris on the ground which is important to American marten habitat.

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

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for occurrences of commercial deposits of metallic or critical minerals in this area. No active sand/gravel pits are known to exist in the area. There may be some limited potential for production of sand resources within the compartment on the uplands, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond limited use by the county road commission, logging companies, or DNR for local road maintenance. No current State mineral leasing activity exists in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

### **Vehicle Access:**

Primary access to the compartment is from the west via County Road 412 (Luce County) and the two track road which also doubles as the snowmobile trail. This road runs through the compartment and out to the south eventually connecting through to West Bear Lake Road in Chippewa County. There is a small network of two track roads that provides additional access to the north and western portions of the compartment. Access from the east is limited by any existing roads crossing private land.

### **Survey Needs:**

Survey needs for proposed management activities would include possible corner establishment along the south side of Sections 13 and 14 T50N R08W Luce County, and section 18 T50N R7W, Chippewa County.

### **Recreational Facilities and Opportunities:**

Recreational facilities within the compartment consist of the groomed snowmobile trail (Trail #8) which runs through the western half of the compartment. Crisp Point Lighthouse is located just outside of the compartment to the north. Other recreational opportunities would include hunting, ORV riding, and sightseeing.

### **Fire Protection:**

Potential for large fire growth is low because of the deciduous cover types. Access to this compartment is good in some areas and others will be challenging because of drainages and hilly country. Suppression tactics may need to be modified. Risk to private property would be low.

### **Additional Compartment Information:**

This compartment encompasses part of the 2012 Crisp Point acquisition.

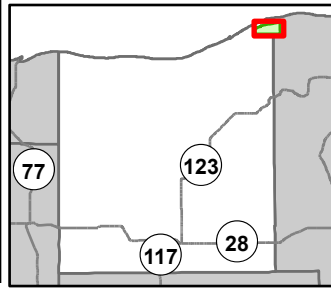
### **The following reports from the Inventory are attached:**

- 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**

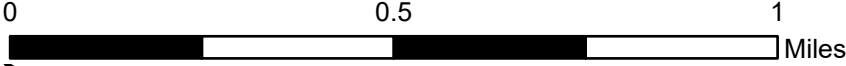
### **The following information is displayed, where pertinent, on the attached compartment maps:**

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

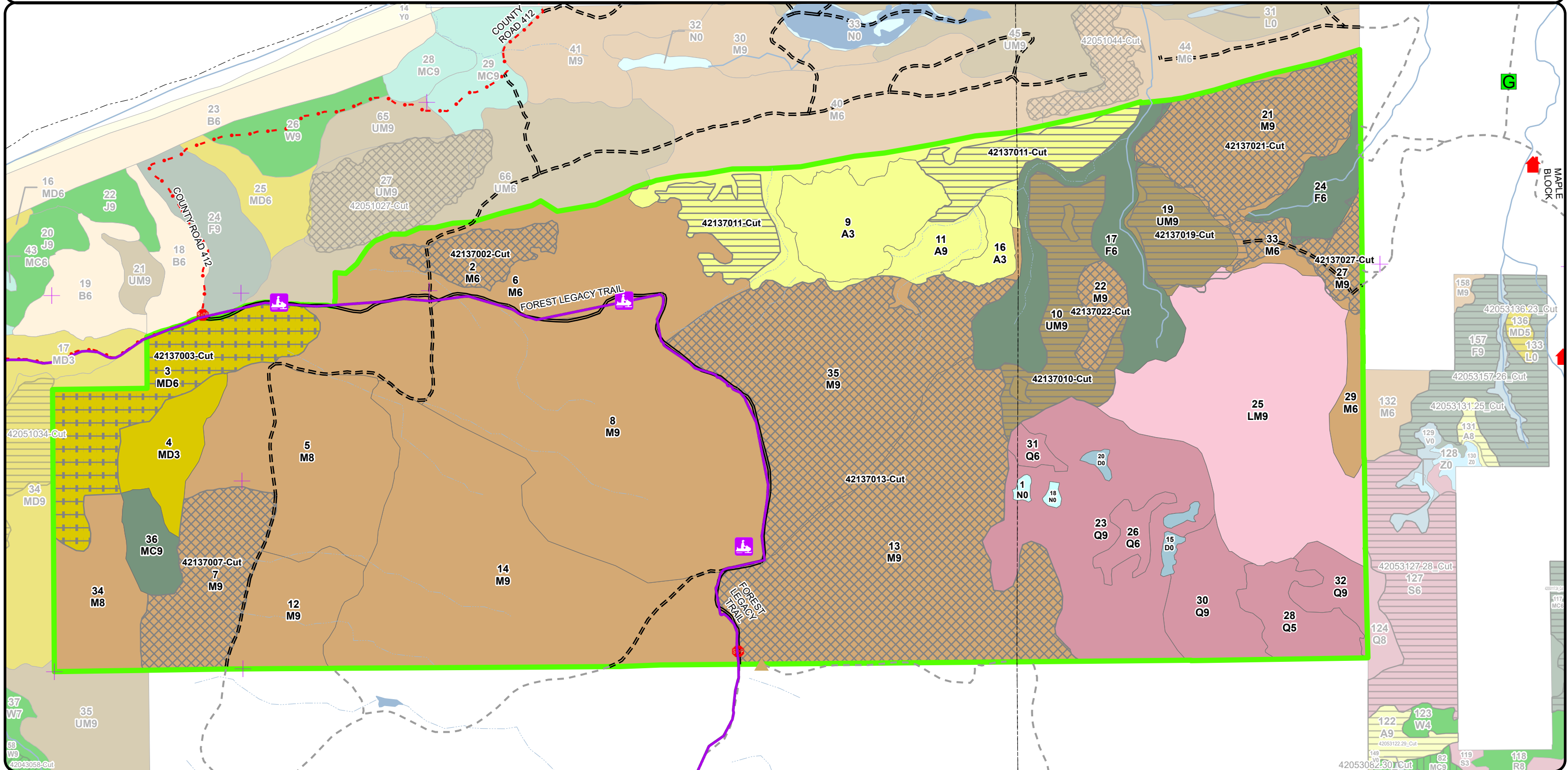
Cover Type & Treatments Map



Compartment: 42137  
 T50N, R7W, Sec: 7, 18  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Grand Marais  
 Moraine Complex  
 YOE: 2026  
 Acres: 2767.5 GIS Calculated  
 Examiner: Amy Livermore  
 Map Revised: 08/23/2024  
 Map Phase: Web Post



- |                              |                              |                                |                                 |
|------------------------------|------------------------------|--------------------------------|---------------------------------|
| Cabin                        | DNR - Secondary Forest Road  | Shoreline                      | 419 - Mixed Upland Deciduous    |
| Berms                        | DNR - Forest Access Route    | Lakes and Rivers               | 423 - Other Upland Conifers     |
| Gate                         | County - Gravel Road         | Compartment Boundary           | 430 - Upland Mixed Forest       |
| Sign                         | Private - Dirt / Gravel Road | Selection (Group, Single Tree) | 612 - Lowland Coniferous Forest |
| Remonumented Section Corners | Intermittent Stream          | Clearcut (w/Reserves)          | 613 - Lowland Mixed Forest      |
| Snowmobile Trails            | Island in Lake or River      | Harvest, Overstory Removal     | 622 - Lowland Shrub             |
| Designated Snowmobile Trails | Lake/Pond                    | 411 - Northern Hardwood        | 623 - Emergent Wetland          |
|                              | Perennial River              | 413 - Aspen Types              |                                 |

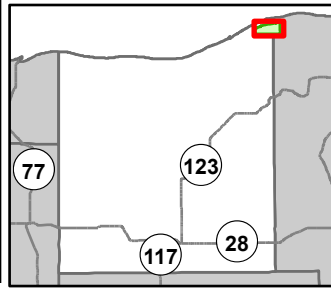




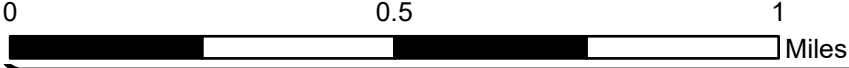




**Special Conservation Areas & Site Conditions Map**



Compartment: 42137  
 T50N, R7W, Sec: 7, 18  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Grand Marais  
 Moraine Complex  
 YOE: 2026  
 Acres: 2767.5 GIS Calculated  
 Examiner: Amy Livermore  
 Map Revised: 08/23/2024  
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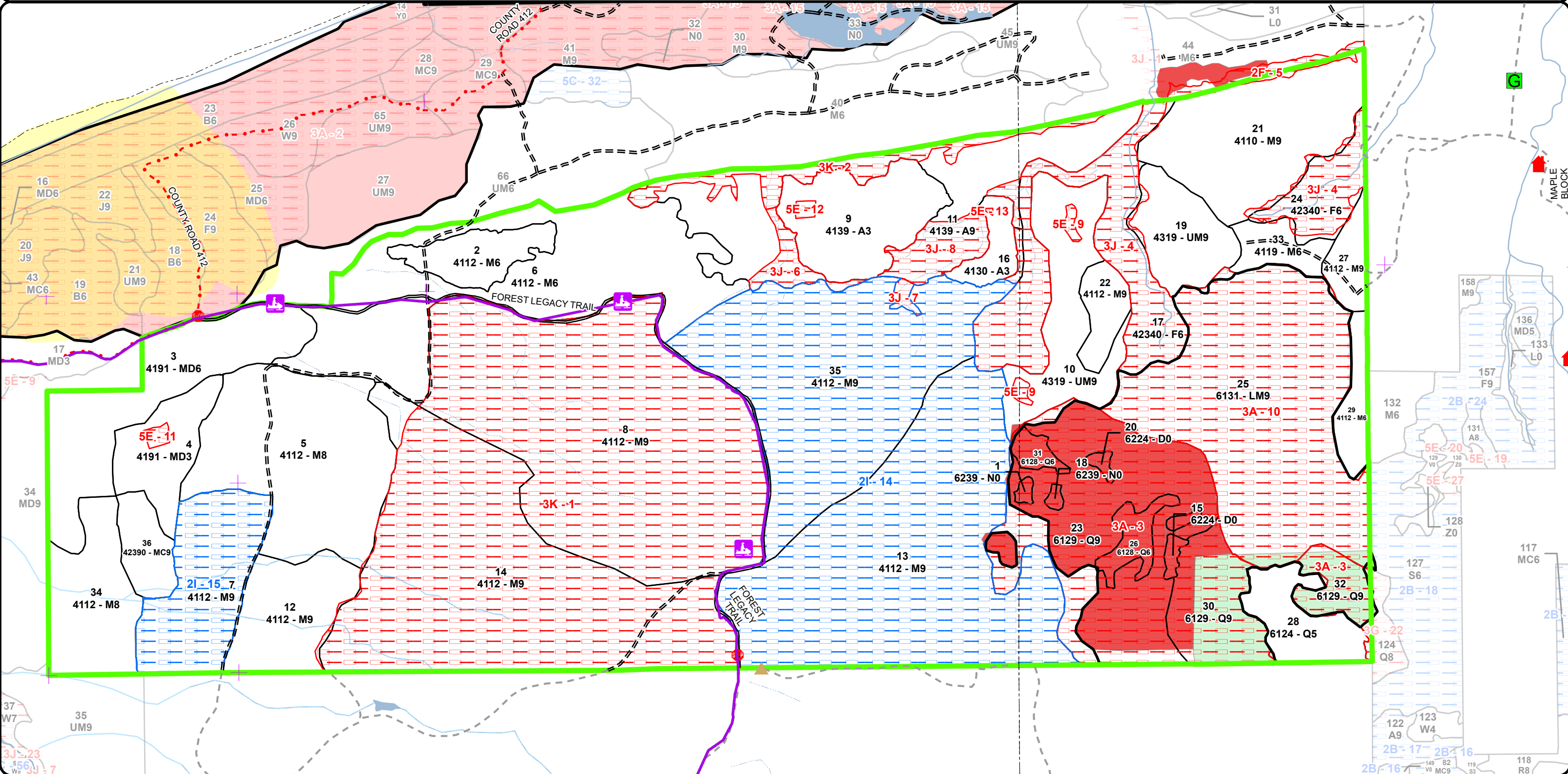


- Cabin
- Berms
- Gate
- Sign
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline

- Lakes and Rivers
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 2F: Too steep
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)

- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Critical Dunes
- Cold Water Streams
- Type 1 and Type 2 Old Growth
- Contiguous Resource Area





Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	76	0	0	0	0	0	0	0	0	132	0	0	0	0	0	0	0	208
Lowland Conifers	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	255	262
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	216	0	0	0	0	0	0	216
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	37	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	127
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	1593	117	0	0	0	0	0	0	1710
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Conifers	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	20
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	65	39	0	0	0	0	0	0	104
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	111
<b>Total</b>	<b>10</b>	<b>113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>208</b>	<b>1810</b>	<b>372</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>255</b>	<b>2768</b>



## Report 2 – Treatment Summary

**Newberry Mgt. Unit**  
**Year of Entry: 2026**

**Acres of Harvest**

**Compartment 137**  
**Total Compartment Acres: 2,768**

Commercial Harvest - 500  
 Harvests with Site Condition - 468  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshory Removal	Salvage	Other	Total Acres
Aspen	72	0	0	0	0	0	0	0	0	72
Mixed Upland Deciduous	0	0	0	0	0	0	90	0	0	90
Northern Hardwood	0	703	0	0	0	0	0	0	0	703
Upland Mixed Forest	103	0	0	0	0	0	0	0	0	103
<b>Total</b>	<b>175</b>	<b>703</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>968</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	968	0	0	0	0	0	0	0	0	968
Next Step	0	0	0	0	0	0	878	0	0	878
<b>Total</b>	<b>968</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>878</b>	<b>0</b>	<b>0</b>	<b>1845</b>



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

<b>2</b>	<b>42137002-Cut</b>	27.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	95	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Selection harvest. Reduce overall stand BA to 70-80 sq ft on average. Remove up to 80% of the beech in the stand. Focus on retaining large, limby, mature beech trees (even if they look unhealthy) that are producing mast for wildlife. Leave hemlock. Leave large yellow birch; maintain a representation of diverse species in the stand and red line.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> northern hardwoods</p> <p><u>Other Comment:</u> stand is marked, but paint is very faded and will need to be remarked.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>3</b>	<b>42137003-Cut</b>	90.0	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	85	81-110	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription Specs:</u> Leave all white pine over 18 inches. Leave all yellow birch and hemlock. Leave all trees that are 2 sticks or less. Focus on retaining large, limby, mature beech trees (even if they look unhealthy) that are producing mast for wildlife (where present). Leave trees 26" dbh or greater that meet legacy tree specs. Leave a diversity of species in the red line. Leave 1 maple or spruce per 5 acres that are 10" dbh or greater.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> red maple, balsam fir, spruce, birch</p> <p><u>Other Comment:</u> Treatment size may change during prep.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>7</b>	<b>42137007-Cut</b>	70.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	95	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Selection harvest. Reduce overall stand BA to 70-80 sq ft on average. Remove up to 80% of the beech in the stand. Lower residual BA in areas of advanced maple regeneration. There will be pockets/areas where no marking will be required (BA already in the acceptable range). Leave hemlock. Focus on retaining large, limby, mature beech trees (even if they look unhealthy) that are producing mast for wildlife.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> northern hardwoods</p> <p><u>Other Comment:</u> unit is already marked, but paint is faded and will need to be re-marked. Abandoned roads will require brushing. Do not allow dozing piles of saplings. Buffer along stream may be needed if banks and stream channels are apparent. To protect these streams in accordance with BMPs, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>10</b>	<b>42137010-Cut</b>	61.8	4319 - Mixed Upland Forest	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Cut all species except hemlock and cedar. Pocket retention has been identified in areas with more northern hardwoods, but should be identified more precisely on the ground. Leave all yellow birch. Leave 1 beech per 4 acres; focus on retaining large, limby, mature beech trees (even if they look unhealthy) that are producing mast for wildlife.

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

Acceptable Regen: spruce, balsam fir, red maple

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>11</b>	<b>42137011-Cut</b>	72.2	4139 - Aspen, Mixed Deciduous	Sawtimber Well	91	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
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Prescription Clearcut. Leave 1 one large, limby, mast-producing beech per 4 acres (even if tree is unhealthy looking).

Specs: Stand has steep slope that will likely decrease treatment size upon sale prep. Topography and drainages have been excluded from the treatment based on topo maps.

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

Acceptable Regen: northern hardwoods, aspen

Other Comment: Buffer along stream may be needed if banks and stream channels are apparent. To protect these streams in accordance with BMPs, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended.

Site Condition

Proposed Start Date: 10/1 /2025

<b>13</b>	<b>42137013-Cut</b>	467.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	95	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
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Prescription Cut all beech except leave one per 3 acres. Take special care to leave any beech that appear resistant to BBD, even if that causes more than 1 beech per 3 acres to be left. Leave beech in the red line. Thin residual to 80-90 where possible. Take care to use appropriate buffers around ponds and stay out of drainages. Do not cut hemlock or cedar. Many areas will fall below this threshold. Open up 100' regeneration gaps around 47 (1 per 10 acres) scattered yellow birch. The yellow birch should be on the edge of the openings. Everything down to 2" within these openings should be cut, except for yellow birch. Follow gap guidance.

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

Acceptable Regen: northern hardwoods

Other Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>22 42137022-Cut</b>	16.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	95	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin to 70 - 80 basal area. Leave any hemlock. Leave 1 beech per 4 acres scattered throughout the stand; focus on retaining large, limby, mature beech trees (even if they look unhealthy). Follow gap guidance.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> northern hardwoods</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

**Approved Treatments:**

<b>19 42137019-Cut</b>	40.7	4319 - Mixed Upland Forest	Sawtimber Well	101	171-200	Harvest	Clearcut with Retention	42340 - Upland Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Retain 1-2 large white spruce per acre as well as buffer along headwaters of Browns Creek for retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is white spruce and balsam with components of red maple, white birch, white pine.</p> <p><u>Other Comment:</u> Access likely will have to be via old road from the west. Bridge will be needed at the old crossing. Private land to the east is questionable for logging access. Old next step comments: Monitor the success of regeneration the next treatment period. Acceptable regeneration is white spruce and balsam with components of red maple, white birch, white pine.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										
<b>21 42137021-Cut</b>	105.8	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Selection harvest. Reduce the BA to 80-90. Concentrate on best quality trees for residual. In the portion of the stand that was recently thinned, mark through lightly in areas where the BA is above 90 sq ft. Leave conifer, including all hemlock. Protect any pockets of understory conifer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is hard maple with yellow birch and minor components of red maple and beech.</p> <p><u>Other Comment:</u> Access will likely be from the west via old road. Bridge will be needed to cross Browns Creek. Access through the private to the east is questionable for logging. Old next step comments: Monitor the success of regeneration the next treatment period. Acceptable regeneration is hard maple with yellow birch and minor components of red maple and beech.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
27 42137027-Cut	15.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	95	141-170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selection harvest. Residual BA of 80 in areas of higher quality, 70 sq ft in lower quality red maple areas. Retain all hemlock and a good conifer component. Protect pockets of understory conifer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is maple and other northern hardwoods species occurring in the Maple, Beech, Cherry Association.</p> <p><u>Other Comment:</u> Old next step comments: Monitor the success of regeneration the next treatment period. Acceptable regeneration is maple and other northern hardwoods species occurring in the Maple, Beech, Cherry Association.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										

**Total Treatment** 967.6  
**Acreage Proposed:**

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Amy Livermore : Examiner

Compartment: 137  
Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions						
		With Condition			2I	2F	3A	3J	3K	5E	
207	146	0		61	Aspen				33	26	2
262	33	0		229	Lowland Conifers			229			
216	0	0		216	Lowland Mixed Forest			216			
3	0	0		3	Marsh			3			
127	125	0		2	Mixed Upland Deciduous						2
1710	672	467		571	Northern Hardwood	467	3		7	562	
7	0	0		7	Treed Bog			7			
20	20	0		0	Upland Conifers						
104	99	0		4	Upland Mixed Forest				1		3
111	3	0		108	Upland Spruce/Fir				108		
2,768	1,099	467		1,201	Total Forested Acres	467	3	455	149	588	7
	40%	17%		43%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3K: Rare or unique landforms	562	2F: Too steep	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Numerous steep slopes, seasonal drainages. Slopes range from 15-35%. Unique area because of the topography. Harvesting would be difficult, but site conditions do not eliminate the possibility of future management if agreed to.</p>							
2	Unavailable	3K: Rare or unique landforms	26	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
Amy Livermore : Examiner

Compartment: 137  
Year of Entry: 2026

3	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	239	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA located within the boundaries of the stand. Mesic Northern Forest classification.							
4	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	116	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2F: Too steep</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Portion of it is a steep ridge.							
6	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Amy Livermore : Examiner

Compartment: 137  
Year of Entry: 2026

10	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	216	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Potential type 2 old growth							
11	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>2I: Survey needed</b>	467	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
HCVA	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
1	6239 - Mixed Emergent Wetland	Nonstocked	1.7	0		No																																																																
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2	4112 - Maple, Beech, Cherry Association	Poletimber Well	27.1	95	81-110	N/A	Part of the Sale Big Old Birch. unit is uncut and sale is closed.																																																															
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3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	90.0	85	81-110	N/A	Mixed stand of red maple, balsam, hard maple, white spruce, white pine, white birch, aspen, Lesser components of white pine, birch and aspen. Low quality white birch. Red maple has some weak tops/dieback. Hard maple is decent quality in large poles and small sawlogs. Some beech in canopy but most is dead or dying. 4-5 stick balsam. Large diameter white spruce. Lots of 2-4 inch red maple, birch and balsam in the understory.																																																															
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4	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	37.1	7	1-50	N/A	Cut as part of Big Ol Birch - Sale was turned in with a few units never cut.																																																															
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5	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	129.9	95	51-80	N/A	This portion of the larger stand was harvested via single tree selection in 2017: 42-022-16 - Big Old Birch Hardwoods. Portion of the stand was split off based on what was not harvested at that time (Unit 3). Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
6	4112 - Maple, Beech, Cherry Association	Poletimber Well	169.9	95	81-110	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Lots of small pole sized hardwood. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This portion of the larger hard maple complex consists of areas of varying BA's. Portions could be managed and other areas are not ready for management. Some areas may be difficult to manage due to topography and drainage areas. Southeastern portion of the stand could be managed by selection harvest, possibly in 10 years.			
<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>
Sugar Maple		55	Log/Pole	11	95	Maple (spp.)		High	>20 feet	Sapling
Beech		5	Log/Pole	12		Balsam Fir		Low	Variable	Sapling
Yellow Birch		15	Log/Pole	12		Yellow Birch		Medium	10 - 20 feet	Sapling
Red Maple		25	Pole/Log	9		Beech		High	10 - 20 feet	Sapling
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70.5	95	111-140	N/A	This portion of the larger site was not harvested in 2018 with the surrounding stand (42-022-16 - Big Old Birch Hardwoods). Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead.			
<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>
Red Maple		30	Pole/Log	9		Maple (spp.)		Full	>20 feet	Sapling
Yellow Birch		10	Log/Pole	12		Yellow Birch		High	10 - 20 feet	Sapling
Sugar Maple		60	Log/Pole	11	95	Beech		High	10 - 20 feet	Sapling
						Balsam Fir		Low	Variable	Sapling
8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	298.8	95	111-140	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This stand has considerable topography and seasonal drainages associated with it, making management challenging. Stand is bounded by roads. Lots of old roads/ skid trails run through stand.			
<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>
Sugar Maple		55	Log/Pole	11	95	Beech		High	10 - 20 feet	Sapling
Yellow Birch		15	Log	12		Maple (spp.)		High	>20 feet	Sapling
Red Maple		25	Pole/Log	9		Balsam Fir		Low	Variable	Sapling
Beech		5	Log	12		Yellow Birch		Medium	10 - 20 feet	Sapling
						White Spruce	Low	< 5 feet	Sapling	
9	4139 - Aspen, Mixed Deciduous	Sapling Well	61.1	7	Immature	N/A	Harvested via clearcut with retention in 2018: 42-022-16 Big Old Birch Hardwoods.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Black Cherry		5	Sapling	1						
Red Maple		10	Sapling	1	7					
Sugar Maple		15	Sapling	1	7					
Yellow Birch		15	Sapling	1	7					
Quaking Aspen		55	Sapling	2	7					
10	4319 - Mixed Upland Forest	Sawtimber Well	65.0	95	81-110	N/A	Trace of white birch and balsam in the canopy. Occasional hemlock. Scattered veins of hardwoods throughout.			
<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>
Sugar Maple		5	Log	15		Beech		High	10 - 20 feet	Sapling
Red Maple		35	Log	14	95	Maple (spp.)		High	>20 feet	Sapling
Beech		5	Log/Pole	12		Balsam Fir		Low	Variable	Sapling
White Spruce		25	Pole	8		Yellow Birch		Medium	10 - 20 feet	Sapling
Balsam Fir		30	Pole	7						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>11</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	131.6	91	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	4	Log	12	
Sugar Maple	25	Pole/Log	8	
Red Maple	7	Pole/Log	8	
Quaking Aspen	58	Log	14	91
Yellow Birch	6	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling
Maple (spp.)	High	>20 feet	Sapling
Yellow Birch	Medium	10 - 20 feet	Sapling

<b>12</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	51.7	95	51-80	N/A	This portion of the larger stand was harvested via single tree selection in 2017: 42-022-16 - Big Old Birch Hardwoods. Portion of the stand was split off based on what was not harvested at that time (Unit 3). Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	6	Log/Pole	12	
Red Maple	27	Pole/Log	9	
Sugar Maple	65	Log/Pole	11	95
Beech	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	High	10 - 20 feet	Sapling
Beech	Medium	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Maple (spp.)	Full	>20 feet	Sapling

<b>13</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	266.6	95	111-140	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This portion of the larger hard maple complex consists of areas of varying BA's. Portions could be managed and other areas are not ready for management. Some areas may be difficult to manage due to topography and drainage areas. Southeastern portion of the stand could be managed by selection harvest, possibly in 10 years.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Pole/Log	9	
Yellow Birch	15	Log/Pole	12	
Beech	5	Log/Pole	12	
Sugar Maple	55	Log/Pole	11	95

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	High	>20 feet	Sapling
Yellow Birch	Medium	10 - 20 feet	Sapling
Beech	High	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling

<b>14</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	268.7	95	111-140	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This stand has considerable topography and seasonal drainages associated with it, making management challenging. Stand is bounded by roads.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Pole/Log	9	
Yellow Birch	15	Log	12	
Sugar Maple	55	Log/Pole	11	95
Beech	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Maple (spp.)	High	>20 feet	Sapling
Yellow Birch	Medium	10 - 20 feet	Sapling
Beech	High	10 - 20 feet	Sapling

<b>15</b>	6224 - Treed Bog	Nonstocked	4.7	0	Immature	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Tamarack	Low	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling
Red Maple	Low	Variable	Sapling
Sphagnum Moss	Full	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
16	4130 - Aspen	Sapling Well	14.4	7	Immature	N/A	Harvested via clearcut with retention in 2018: Big Old Birch Hardwoods 42-022-16.																																														
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17	42340 - Upland Spruce/Fir	Poletimber Well	83.4	85	81-110	N/A	Mixed stand of spruce, balsam, red maple, white birch, white pine on both sides of Brown's Creek. Stand provides a corridor for the creek. Steep topography near the headwaters of the creek.																																														
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18	6239 - Mixed Emergent Wetland	Nonstocked	1.5	0		No																																															
19	4319 - Mixed Upland Forest	Sawtimber Well	38.6	101	171-200	N/A	Large diameter white spruce with pole size balsam, red maple, white birch and white pine. Pockets of white birch and red maple. White spruce is mature. Mortality and blowdown beginning in spruce and balsam. Old road runs east/west through the stand, access from the west if use a portable bridge.																																														
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21	4110 - Sugar Maple Association	Sawtimber Well	100.4	100	111-140	N/A	Nice stand of sugar maple, with a minor component of yellow birch. Good quality and form throughout the stand.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>22</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	16.8	95	111-140	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This portion of the larger hard maple complex consists of areas of varying BA's. Portions could be managed and other areas are not ready for management. Some areas may be difficult to manage due to topography and drainage areas. Southeastern portion of the stand could be managed by selection harvest, possibly in 10 years.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Yellow Birch		15	Log/Pole	12		Beech		High	10 - 20 feet	Sapling	
Beech		5	Log/Pole	12		Yellow Birch		Medium	10 - 20 feet	Sapling	
Red Maple		25	Log	14		Balsam Fir		Low	Variable	Sapling	
Sugar Maple		55	Log/Pole	13	95	Maple (spp.)		High	>20 feet	Sapling	

<b>23</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	145.7	300	111-140	N/A	Stand has been identified as an ERA, Mesic Northern Forest. Stand consists of lower areas dominated by hemlock, cedar, spruce and small red maple. Slightly higher ridges consist of red maple, yellow birch and hemlock. Drainages throughout the stand. The closed-canopy (75-95%) is dominated by Hemlock with canopy associates including yellow birch, red maple, cedar and white pine. The scattered subcanopy includes hemlock, red maple, balsam and cedar. Several smaller stands of "Emergent Marsh" included within the stand boundaries, and have been designated as potential ERA's as well.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black Spruce		5	Pole	8		Maple (spp.)		Medium	5 - 10 feet	Sapling	
Hemlock		75	Log	16	300	Hemlock		Low	< 5 feet	Sapling	
Northern White Cedar		5	Log/Pole	10		Balsam Fir		Medium	Variable	Sapling	
Paper Birch		2	Pole	7		Northern White Cedar		Low	< 5 feet	Sapling	
Balsam Fir		1	Pole	8							
Yellow Birch		5	Log/Pole	11							
Red Maple		7	Pole/Log	9							

<b>24</b>	42340 - Upland Spruce/Fir	Poletimber Well	27.6	85	81-110	N/A	Mixed stand of spruce, balsam, red maple, white birch, white pine on both sides of the small creek. Stand provides a corridor for the creek.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		15	Pole	9		Balsam Fir		High	Variable	Sapling	
Paper Birch		10	Pole	8		Maple (spp.)		Medium	10 - 20 feet	Sapling	
White Pine		10	Log/XLog	14							
White Spruce		20	Log/Pole	11							
Northern White Cedar		5	Pole	9							
Balsam Fir		40	Pole	8	85						

<b>25</b>	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	216.2	105	141-170	N/A	Stand consists of lower areas dominated by hemlock, cedar, spruce and small red maple. Slightly higher ridges consist of red maple, yellow birch and hemlock. Stand is similar to the adjacent stand to the west, however contains higher component of red maple and lower component of hemlock. Subcanopy of red maple and balsam with some yellow birch, hemlock, spruce and cedar. Areas of lower ground dominated by black spruce, cedar and hemlock. Old road system, stand has been harvested in the past. Adjacent stand to the west has been designated as an ERA.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		5	Log/XLog	15		Maple (spp.)		Medium	10 - 20 feet	Sapling	
Hemlock		25	Log	15	300	Balsam Fir		Medium	Variable	Sapling	
Black Spruce		5	Pole	8		Black Spruce		Low	5 - 10 feet	Sapling	
Red Maple		35	Log	12	105	Northern White Cedar		Low	< 5 feet	Sapling	
Northern White Cedar		10	Pole/Log	9		Yellow Birch		Low	10 - 20 feet	Sapling	
Balsam Fir		5	Pole	8		Hemlock		Low	5 - 10 feet	Sapling	
Paper Birch		10	Pole	8							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**26** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 13.0 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Log	9	
Paper Birch	5	Pole	7	
Black Spruce	15	Pole	8	
Yellow Birch	10	Log/Pole	11	
Balsam Fir	10	Pole	8	
Hemlock	5	Log/Pole	14	
White Pine	35	Pole	9	110

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	< 5 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Maple (spp.)	Medium	5 - 10 feet	Sapling
Northern White Cedar	Low	< 5 feet	Sapling

**27** 4112 - Maple, Beech, Cherry Association Sawtimber Well 15.0 95 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	53	Pole/Log	9	95
Yellow Birch	5	Pole/Log	9	
Red Maple	40	Log/Pole	10	
Paper Birch	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Maple (spp.)	Low	10 - 20 feet	Sapling

Mainly hard maple in the northern portion of the stand. Red maple and hard maple mix through out the rest of the stand. Red maple is multiple stem and low quality in spots.

**28** 6124 - Lowland Spruce-Fir Poletimber Medium 33.2 80 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	4	
White Pine	5	Log	14	
Yellow Birch	5	Sapling	3	
Tamarack	30	Sapling	4	
Red Maple	10	Pole/Sapling	5	
Black Spruce	40	Pole/Sapling	7	80

Semi open bog. Areas of small higher ground ridges where white pine sawtimber/poletimber are present. Black spruce, tamarack saplings and scattered poletimber.

**29** 4112 - Maple, Beech, Cherry Association Poletimber Well 16.7 95 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	60	Pole/Log	9	95
Yellow Birch	10	Pole/Log	9	
Balsam Fir	10	Pole	8	
Sugar Maple	20	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

Small stand of low quality red maple poletimber. Inclusions of balsam. Areas of lower ground.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**30** 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 44.2 300 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log/Pole	11		Hemlock	Low	< 5 feet	Sapling
Paper Birch	3	Pole	7		Maple (spp.)	Medium	5 - 10 feet	Sapling
Balsam Fir	2	Pole	8		Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Pole	8		Northern White Cedar	Low	< 5 feet	Sapling
Red Maple	10	Pole/Log	9					
Northern White Cedar	15	Pole/Log	10					
White Pine	15	XLog/Log	18					
Hemlock	40	Log/Pole	14	300				

**31** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 6.7 81 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Pole	8		Hemlock	Low	< 5 feet	Sapling
White Pine	35	Pole	9	81	Northern White Cedar	Low	< 5 feet	Sapling
Paper Birch	10	Pole	9		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole	8		Maple (spp.)	Medium	5 - 10 feet	Sapling
Red Maple	20	Log/Pole	10					
Yellow Birch	5	Pole	7					
Hemlock	5	Log	15					

**32** 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 19.4 105 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Pole	8		Northern White Cedar	Low	< 5 feet	Sapling
Northern White Cedar	15	Pole/Log	9		Hemlock	Low	5 - 10 feet	Sapling
White Pine	20	Log/XLog	16		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Hemlock	30	Log/Pole	14	105	Yellow Birch	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Log	9	105	Maple (spp.)	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Log/Pole	10					

Stand consists of lower areas dominated by hemlock, cedar, spruce and small red maple. Slightly higher ridges consist of red maple, yellow birch and hemlock. Stand is similar to the adjacent stand to the west, however contains higher component of red maple and lower component of hemlock. Subcanopy of red maple and balsam with some yellow birch, hemlock, spruce and cedar. Areas of lower ground dominated by black spruce, cedar and hemlock. Old road system, stand has been harvested in the past. Adjacent stand to the west has been designated as a potential ERA.

**33** 4119 - Mixed Northern Hardwoods Poletimber Well 16.7 100 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	9	100	Maple (spp.)	Medium	Variable	Sapling
Paper Birch	10	Pole	7		Balsam Fir	Low	Variable	Sapling
Yellow Birch	5	Log/Pole	10		Beech	Low	5 - 10 feet	Sapling
Red Maple	35	Log	12					
Balsam Fir	10	Pole	9					

Nice stand of sugar maple, with a minor componet of yellow birch. Eastern and southwestern portions of the stand are primarily pole size. Western portion of the stand was thinned through recently (within last decade?). Portion that was thinned through has slightly larger diameters. Appears that sawlogs were removed. BA is still high in spots. Good quality and form throughout the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>34</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	56.0	95	51-80	N/A	This portion of the larger stand was harvested via single tree selection in 2017: 42-022-16 - Big Old Birch Hardwoods. Portion of the stand was split off based on what was not harvested at that time (Unit 3). Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock and cedar. Advanced regeneration of maple, beech and some yellow birch throughout. Areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		55	Log/Pole	11	95	Maple (spp.)		Full	>20 feet	Sapling	
Red Maple		27	Pole/Log	9		Yellow Birch		High	10 - 20 feet	Sapling	
Yellow Birch		8	Log/Pole	12		Beech		Medium	10 - 20 feet	Sapling	
White Spruce		5	Log/Pole	11		Balsam Fir		Low	Variable	Sapling	
Paper Birch		5	Pole	8							
<b>35</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	205.1	95	111-140	N/A	Primarily a hard maple stand with red maple and components of beech and yellow birch. Trace of white birch and balsam in the canopy. Occasional hemlock. Advanced regeneration of maple, beech and some yellow birch throughout. Many areas of sawlog quality hard maple and red maple. Areas with slightly lower BA and thicker sub canopy. Most of the beech is dying or dead. This portion of the larger hard maple complex consists of areas of varying BA's. Portions could be managed and other areas are not ready for management. Some areas may be difficult to manage due to topography and drainage areas. Southeastern portion of the stand could be managed by selection harvest, possibly in 10 years.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		55	Log/Pole	11	95	Maple (spp.)		High	>20 feet	Sapling	
Red Maple		25	Pole/Log	9		Beech		High	10 - 20 feet	Sapling	
Beech		5	Log/Pole	12		Balsam Fir		Low	Variable	Sapling	
Yellow Birch		15	Log/Pole	12		Yellow Birch		Medium	10 - 20 feet	Sapling	
<b>36</b>	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	20.4	92	1-50	N/A	Split off from stand 1 to north. Both part of PU 1. Cut as part of Big Ol Birch - Sale was turned in with a few units never cut.  Mixed stand of red maple, balsam, hard maple, white spruce, white pine, white birch, aspen, Lesser components of white pine, birch and aspen. Low quality white birch. Red maple has some weak tops/dieback. Hard maple is decent quality in large poles and small sawlogs. Some beech in canopy but most is dead or dying. 4-5 stick balsam. Large diameter white spruce. Lots of 2-4 inch red maple, birch and balsam in the understory.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		50	Log/Pole	10	92	Maple (spp.)		High	>20 feet	Sapling	
Hemlock		35	Log	15		Paper Birch		Low	10 - 20 feet	Sapling	
White Pine		15	Log	14	92	Black Cherry		Medium	5 - 10 feet	Sapling	
						Balsam Fir		High	Variable	Sapling	
						Beech		Medium	10 - 20 feet	Sapling	
						Red Maple		Low	Variable	Sapling	