



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42046

Entry Year 2026

Acreage: 1,050

County Luce

Management Area: Grand Marais Moraine Complex

Stand Examiner: Amy Livermore

Legal Description:

T48N R08W Sections 5,6,7,18

Identified Planning Goals:

Management in the Grand Marais Moraine MA will strive to improve the quality of the hardwoods and balance the age classes of aspen; enhance wildlife habitat; protect areas of unique character; and provide for forest based recreational uses.

Soil and topography:

Primarily Bodi, Wallace, and Bodi/Chesborough soils on the upland sites, with Carbondale, Lupton and Tawas soils on the lower ground. Part of the Two-Hearted Lake Plain landform. Rolling topography with some intermittent drainages.

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

State-owned, with isolated 40's of private adjacent, and some corporate trust lands to the north.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Part of a yet to be developed GEM plan.

Watershed and Fisheries Considerations:

The Little Two Hearted River borders this compartment on the northwest corner with a portion of a branch to Linton Creek flowing out of the southeast portion. The Little Two Hearted River is a designated trout stream and the branch to Linton Creek is a cold transitional stream. For any treatments for stands susceptible to Aspen regeneration, a minimum 300-foot buffer is recommended in riparian areas along the Little Two Hearted River. For stand treatments along streams in this compartment not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended to protect these areas in accordance with BMPs.

Wildlife Habitat Considerations:

Compartment 46 lies in the Grand Marais Moraine Complex Management Area. The compartment has a high component of hardwoods with a good interspersions of other types including aspen, hemlock, lowland conifers, and lowland mixed stands. Wildlife objectives in this compartment are to maintain habitat type diversity and inter-stand diversity by encouraging the retention of a variety of tree species in managed stands. Retention of hard and soft mast bearing trees, trees with suitable raptor nest bearing structure, snags, and wildlife den trees should be maintained or developed where deficient. Forested corridors should be maintained to facilitate movement from upland areas to lowland areas. Yellow birch, soft and hard mast producing trees, super-canopy white pine, hemlock, and other conifer components should be retained in northern hardwood stands to encourage species and structural diversity. Additional wildlife species using this compartment include gray wolves, fisher, snowshoe hare, otter, beaver and numerous neo-tropical migrant songbirds.

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. The closest known active sand/gravel pit is less than two miles southeast. There may be some potential for sand (and perhaps limited amounts of gravel) within the compartment on the uplands, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond limited use by the county road commission, logging companies, or DNR for local road maintenance. No current State mineral leasing activity exists in the area. 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:

Excellent, ~ 20 miles north of Newberry via M - 123 and County Road 500.

Survey Needs:

The NWSW of section 7 (private "40") needs corners for the scheduled treatment.

Recreational Facilities and Opportunities:

Snowmobile trail number 45 transects the compartment.

Fire Protection:

Hardwood cover type of this compartment lends itself to small, slow moving fires. Access can be a challenge in some areas because of the heavier soils, soft ground, and better rooted timber. Risk to private property would be low.

Additional Compartment Information:

Area was heavily cut-over in the 1930's. Majority of land was purchased in 1945.

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

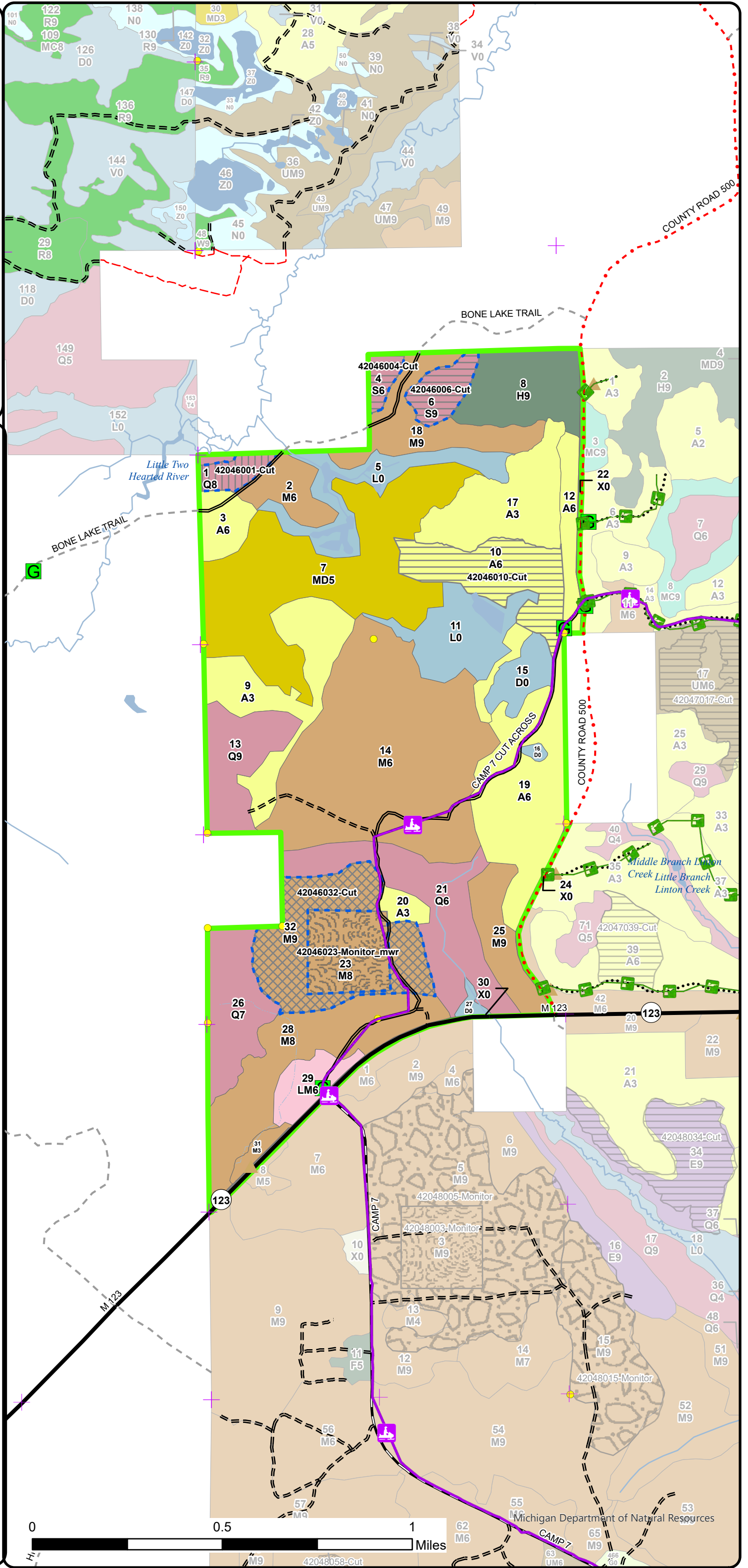
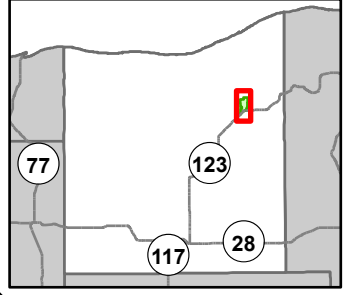
Proposed treatments

Site condition boundaries

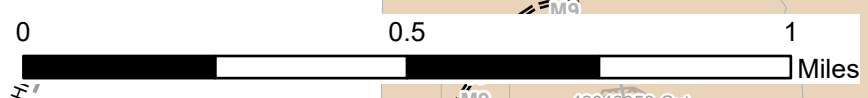
Details on the road access system

Cover Type & Treatments Map

Compartment: 42046
 T48N, R08W, Sec: 5-7, 18
 County: Luce
 Unit: Newberry
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2026
 Acres: 1049.6 GIS Calculated
 Examiner: Amy Livermore
 Map Revised: 08/23/2024
 Map Phase: Web Post



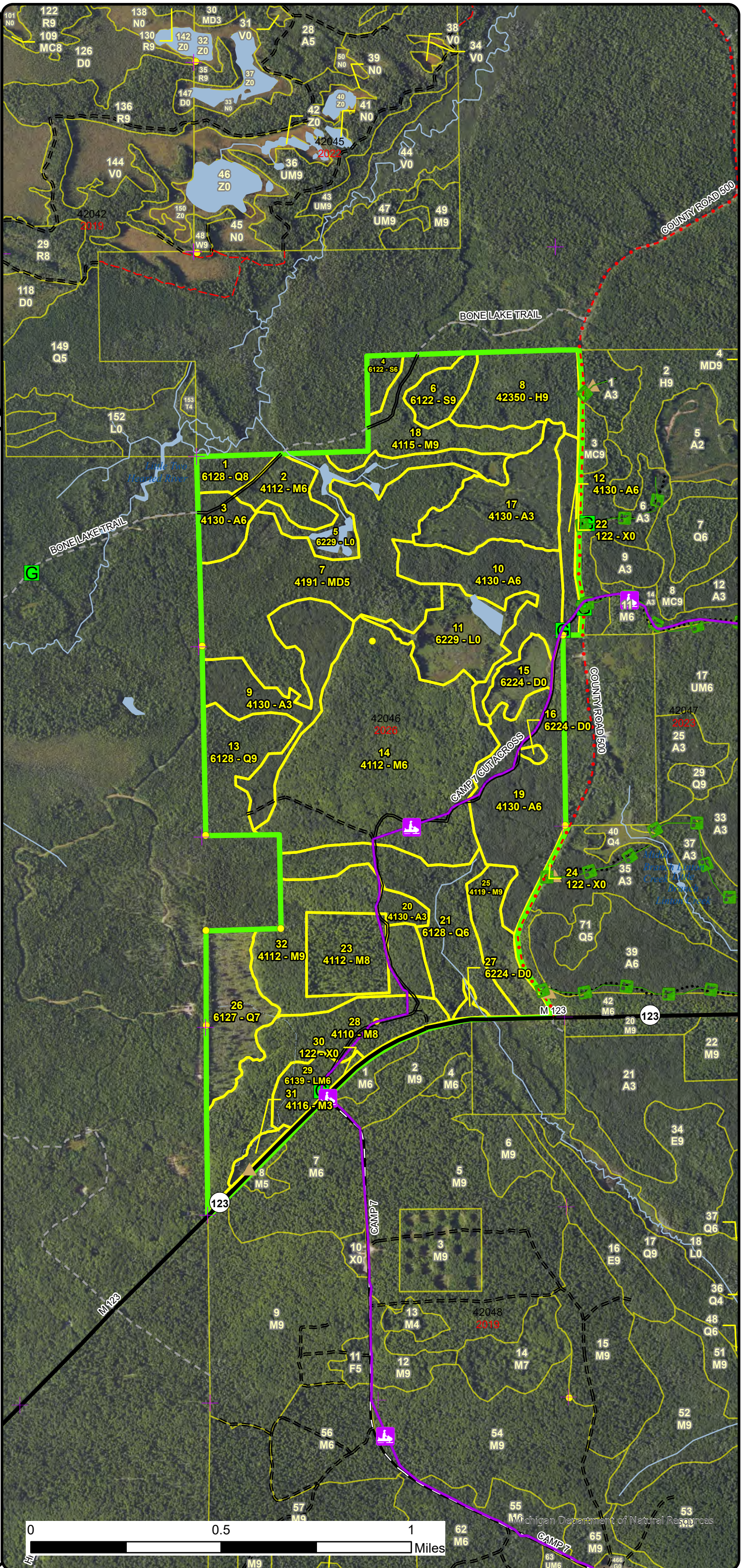
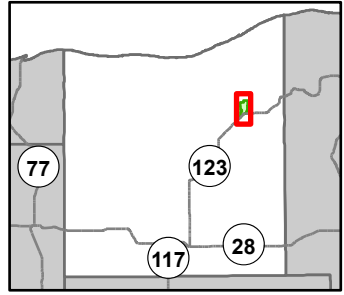
- ▲ Berms
- Gate
- Survey Grade Corners
- + Remonumented Section Corners
- Snowmobile Trails
- Designated Hunter Walking Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- = DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⋯ DNR - Management Access
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- - - Treatments with Site Conditions
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Shelter Wood (w/Reserves)
- ▨ Monitoring
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub



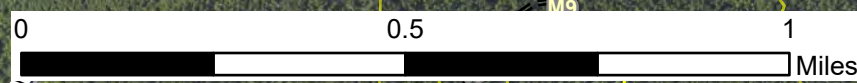
Michigan Department of Natural Resources

Stand Boundary Map

Compartment: 42046
 T48N, R08W, Sec: 5-7, 18
 County: Luce
 Unit: Newberry
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2026
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 Examiner: Amy Livermore
 Map Revised: 08/23/2024
 Map Phase: Web Post

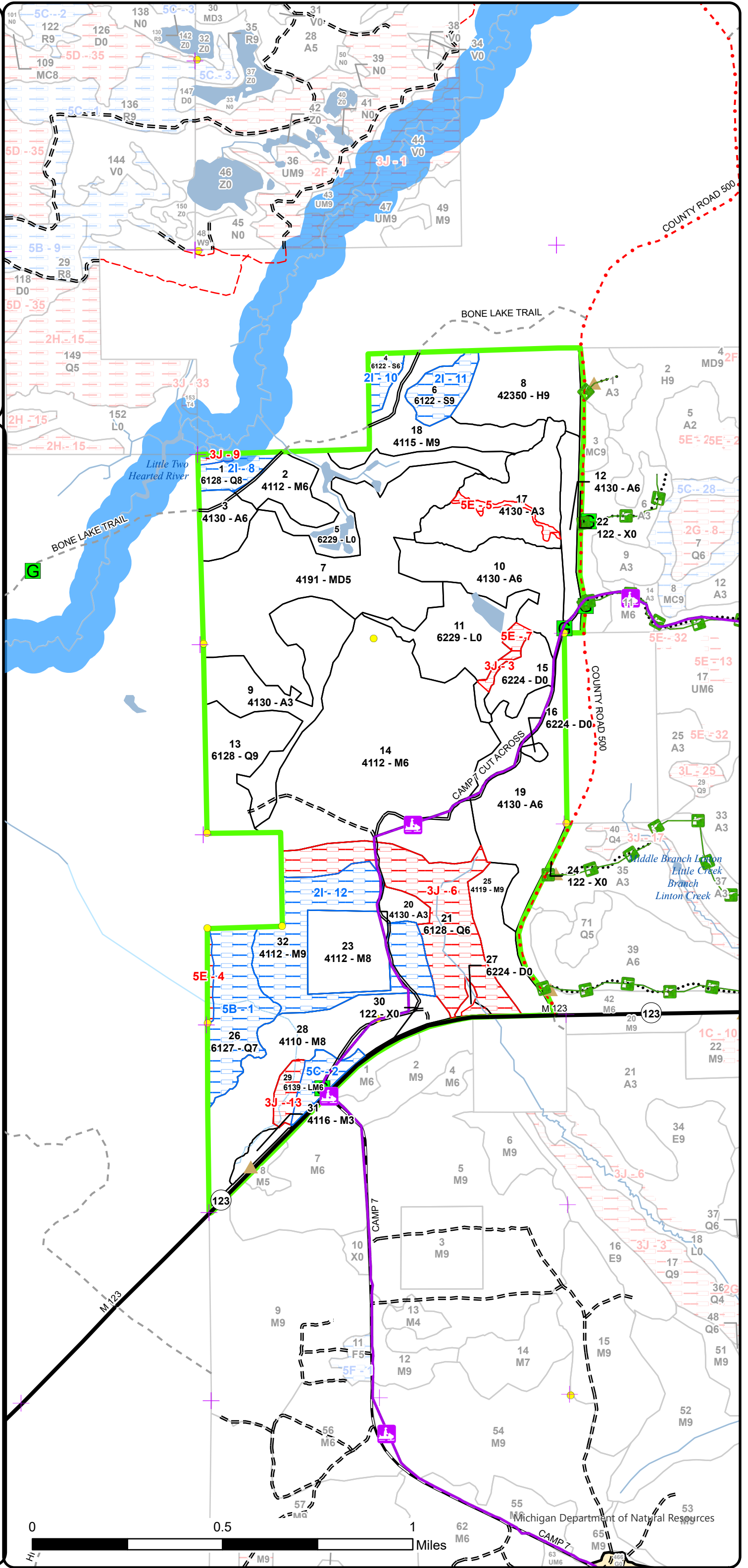
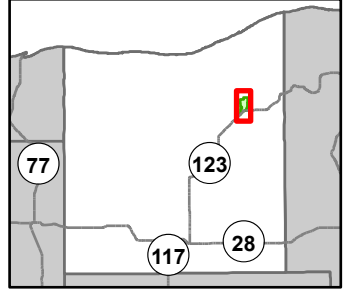


- ▲ Berms
- Gate
- Survey Grade Corners
- + Remonumented Section Corners
- Snowmobile Trails
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- DNR - Primary Forest Road
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
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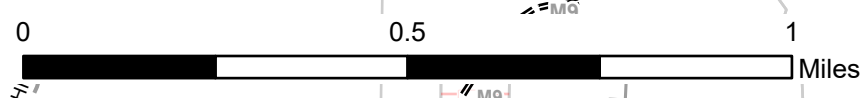


Special Conservation Areas & Site Conditions Map

Compartment: 42046
 T48N, R08W, Sec: 5-7, 18
 County: Luce
 Unit: Newberry
 Mgmt Area: Grand Marais
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- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Sand or Gravel Pit



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	45	0	6	76	67	47	0	0	0	0	0	0	0	0	0	0	0	241
Hemlock	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	38
Lowland Conifers	0	0	0	0	0	0	0	0	0	36	10	0	0	0	0	0	0	90	136
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	15
Lowland Shrub	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	20
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	118
Northern Hardwood	0	5	0	0	0	0	0	0	17	23	195	144	0	0	0	0	0	0	383
Treed Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Total	99	50	0	6	76	67	47	0	17	94	205	182	0	0	0	0	0	208	1050



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 46

Total Compartment Acres: 1,050

Commercial Harvest - 41
 Harvests with Site Condition - 80
 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	41	0	0	0	0	0	0	0	0	41
Lowland Conifers	0	0	0	0	9	0	0	0	0	9
Lowland Spruce/Fir	20	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	52	0	0	0	0	0	0	0	52
Total	61	52	0	0	9	0	0	0	0	122

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	122	0	0	0	0	0	29	0	0	151
Next Step	0	0	0	0	0	0	122	0	0	122
Total	122	0	0	0	0	0	151	0	0	273



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:

1	42046001-Cut	8.7	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	90	51-80	Harvest	Shelterwood with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut everything except hemlock. Take hemlock only when needed for maneuverability. Only small hemlock can be cut. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> spruce, cedar, hemlock, red maple <u>Regen:</u> <u>Other</u> Winter cut. <u>Comment:</u> <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2025</p>											
4	42046004-Cut	6.4	6122 - Black Spruce	Poletimber Well	89	51-80	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut. Retain all clumps of 3 or more hemlock. Leave any large white pine for bear escape trees. Cut everything else. No retention due to <u>Specs:</u> small size <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> spruce, cedar, hemlock, red maple, balsam fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2025</p>											
6	42046006-Cut	13.1	6122 - Black Spruce	Sawtimber Well	80	111-140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with 3-5% pocket retention. Leave all hemlock. Leave any 16" or greater white pine as bear escape trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> spruce, hemlock, cedar, red maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Survey Needed <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
10 42046010-Cut	41.3	4130 - Aspen	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Leave any large white pine (16"+). Leave all super canopy trees of any species. Buffer stands 11 & 15. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen, white pine, red maple, balsam fir</p> <p><u>Other Comment:</u> Lots of blowdown. Retention is built into the southern finger of the stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
32 42046032-Cut	52.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin to 70-90 BA. Leave conifer wherever possible. Leave hemlock. Leave spruce unless needed for maneuverability. Follow gap guidance. <u>Specs:</u> Leave tops. No slash height specs</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> northern hardwoods</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Approved Treatments:

23 42046023-Monitor_mwr	29.3	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	100	1-50	Monitoring	Other - Specify	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Monitoring of research results to be done by MSU (MWR research project) <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> northern hardwood</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 4 /1 /2020</p>										

Total Treatment Acreage Proposed: 151.1

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 46
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions					
		With Condition			2I	5B	5C	3J	5E	
242	235	0		7	Aspen				2	5
38	38	0		0	Hemlock					
136	33	43		61	Lowland Conifers	9	34		58	2
15	0	9		6	Lowland Mixed Forest			9	6	
67	67	0		0	Lowland Shrub					
20	0	20		0	Lowland Spruce/Fir	20				
118	118	0		0	Mixed Upland Deciduous					
383	331	52		0	Northern Hardwood	52				
18	17	0		1	Treed Bog				1	
14	14	0		0	Urban					
1,050	851	124		75	Total Forested Acres	81	34	9	67	8
	81%	12%		7%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 46
Year of Entry: 2026

4	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Low wet drainage runs through the stand and was buffered out of the sale. Old road beds present where previous spots had been crossed on the drainage for future use.							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Livermore : Examiner

Compartment: 46
Year of Entry: 2026

11	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	10.1	90	51-80	N/A	regenerating all aged
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	9	
Northern White Cedar	40	Log/Pole	10	90
Black Ash	5	Pole	7	
Black Spruce	20	Log/Pole	10	
Hemlock	20	Log	13	
Red Maple	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling

2	4112 - Maple, Beech, Cherry Association	Poletimber Well	16.8	70	51-80	N/A	Small wetland in stand next to road.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	8	
Red Maple	70	Pole/Log	8	70
Hemlock	10	Log	16	
Yellow Birch	10	Log/Pole	10	

3	4130 - Aspen	Poletimber Well	13.8	30	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	85	Pole	6	30
Paper Birch	5	Pole	7	
Balsam Fir	5	Sapling/Pole	3	30
Sugar Maple	5	Sapling/Pole	4	30

4	6122 - Black Spruce	Poletimber Well	6.4	89	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	82	Pole	7	89
Northern White Cedar	5	Log/Pole	11	110
Red Maple	3	Pole	6	
Hemlock	10	Log	14	

5	6229 - Mixed lowland shrub	Nonstocked	32.4				No
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6	6122 - Black Spruce	Sawtimber Well	13.1	80	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	80	Log	10	80
Northern White Cedar	3	Pole	7	
Hemlock	2	XLog	18	109
White Pine	5	Log	15	
Red Maple	10	Log	14	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	117.8	80	51-80	N/A	Older balsam died sub canopy regenerated
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole	8	80
Balsam Fir	10	Log	10	70
Black Spruce	30	Pole	9	70
Quaking Aspen	20	Log	14	70

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	>20 feet	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling

8	42350 - Upland Hemlock	Sawtimber Well	37.8	100	111-140	N/A	hemlock regenerating in patches.Small amounts of log sized cedar and white pine
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Quaking Aspen	5	Pole	7	
Red Maple	20	Pole	8	50
Hemlock	45	XLog/Log	18	100
Hemlock	10	Pole	9	
Black Spruce	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Trace	Variable	Sapling
Hemlock	Low	Variable	Sapling

9	4130 - Aspen	Sapling Well	47.6	30	Immature	N/A	The Bullwinkle Sale 034-96
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	7	Log	12	100
Bigtooth Aspen	90	Sapling	4	30
Paper Birch	3	Pole/Sapling	6	

10	4130 - Aspen	Poletimber Well	47.1	50	51-80	N/A	Stand was split apou TCR for Wandering Lab Mix. Stand data from last inventory. Drainage runs through SE part of stand. Aspen is declining. Pockets of blow down.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/XLog	17	
Red Maple	10	Pole	6	50
Quaking Aspen	70	Pole	9	50
Black Ash	5	Pole	8	
Balsam Fir	10	Pole	9	50

11	6229 - Mixed lowland shrub	Nonstocked	34.8			No	
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12	4130 - Aspen	Poletimber Well	14.9	30	81-110	N/A	Long, skinny aspen stand that runs along 500. Scattered large white pine. 005-86 The Battered Brain Sale
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	2	Pole/Sapling	6	
Red Maple	5	Pole	7	
Balsam Fir	5	Pole	8	
Bigtooth Aspen	85	Pole	8	30
Paper Birch	3	Pole/Sapling	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 32.8 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	30	Log/Pole	12	90
Red Maple	20	Pole	9	40
Paper Birch	10	Pole	9	
Yellow Birch	5	Pole	6	
Black Spruce	5	Pole	8	
Northern White Cedar	30	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub

14 4112 - Maple, Beech, Cherry Association Poletimber Well 160.2 90 81-110 N/A Scattered pole sized aspen and paper birch

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Log/Pole	11	
Sugar Maple	50	Pole/Log	9	90
White Spruce	3	Log/Pole	11	
White Pine	2	Log	11	
Red Maple	40	Pole	8	90

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Yellow Birch	Low	>20 feet	Sapling

15 6224 - Treed Bog Nonstocked 14.0 No Real Thing Aspen 033-96

16 6224 - Treed Bog Nonstocked 1.4 0 No

17 4130 - Aspen Sapling Well 45.1 3 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	10	
White Pine	5	Log	14	
Black Cherry	10	Sapling	1	
Quaking Aspen	73	Sapling	1	3
Red Maple	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	High	< 5 feet	Sapling
White Pine	Low	>20 feet	Log
Yellow Birch	Low	>20 feet	Pole

Stand was harvested via Clearcut w/ retention: Wandering Lab Mix #42-003-16; TCR 11/12/20. Retention from the sale bisects the center of the stand running east/west. Retained all white pine, hemlock, yellow birch, elm and paper birch.

18 4115 - Y.Birch, Hemlock NH Sawtimber Well 35.0 90 51-80 N/A hilly. Hemlock ridge runs along Southern stand boundary.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	20	Log	10	
White Spruce	10	Pole	7	
Sugar Maple	50	Log	12	90
Red Maple	20	Log	12	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
19	4130 - Aspen	Poletimber Well	66.9	40	51-80	N/A	Black ash in wetter pockets starting to die. 007-86 Beaten Path Sale, sale was not completed																																															
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20	4130 - Aspen	Sapling Well	6.1	25	Immature	N/A	011-96 Eight Acre Aspen Sale																																															
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21	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	57.0	70	1-50	N/A																																																
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22	122 - Road/Parking Lot	Nonstocked	4.2			No	CR500																																															
23	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	29.2	100	1-50	N/A	11/26/18: Stand is part of MWR research project. Harvested via Shelterwood cut, cutting all trees greater than 2" dbh but leaving all trees/tops less than 9" where they fall. Camp 7 MWR #005-17. No non-commercial follow-up activities scheduled.																																															
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Sugar Maple	70	Log/Pole	12	100																																																		
24	122 - Road/Parking Lot	Nonstocked	2.5			No																																																
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	22.9	80	81-110	N/A	narrow strip along road sloping down to wetland partially cut loggers select																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
26	6127 - Lowland Pine	Sawtimber Poor	36.1	80	1-50	N/A	Stand harvested via clearcut w/ retention: Wandering Lab Mix 42-003-16. Left all yellow birch, cedar >20" and all hemlock >24" and all white pine. Management objective for this stand from last treatment was lowland mixed forest.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		100	Log/XLog	14	80	Paper Birch		High	10 - 20 feet	Sapling
						Balsam Fir		Medium	Variable	Sapling
						Red Maple		High	10 - 20 feet	Sapling
						White Spruce		Medium	Variable	Sapling
						Beech	Medium	Variable	Sapling	
27	6224 - Treed Bog	Nonstocked	2.4			No				
28	4110 - Sugar Maple Association	Sawtimber Medium	62.3	100	51-80	N/A	Gated Hardwood Revisit 021-06 Thinned in '08			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		20	Log	12	90	Yellow Birch	Low	>20 feet	Sapling	
Sugar Maple		80	Log	11	100	Red Maple	Low	Variable	Sapling	
						Beech	Medium	Variable	Sapling	
29	6139 - Mixed Lowland Forest	Poletimber Well	15.0	80	51-80	N/A	drainage			
Canopy Species		% Cover	Size Class	DBH	Age					
White Pine		10	Log	13						
Hemlock		5	XLog	18						
Red Maple		35	Pole	7						
Paper Birch		5	Pole	6						
White Spruce		35	Log/Pole	10	80					
Quaking Aspen		10	Log/Pole	11						
30	122 - Road/Parking Lot	Nonstocked	6.9			No	M-123			
31	4116 - Mixed N. Hardwood - Aspen	Sapling Well	4.5	4	Immature	N/A	Stand harvested via Clearcut w/ reserves: Wandering Lab Mix 42-003-16. Retained hemlock, spruce and balsam.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		5	Sapling	1		Maple (spp.)		Medium	< 5 feet	Sapling
Quaking Aspen		25	Sapling	1		Balsam Fir		Low	Variable	Pole
Hemlock		5	Pole	9		Hemlock		Trace	>20 feet	Pole
Balsam Fir		5	Pole	7		White Spruce		Low	>20 feet	Pole
White Spruce		5	Pole	7						
Red Maple		50	Sapling	1	4					
Beech		5	Sapling	1						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	52.4	100	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Log	12	
Red Maple	70	Log	16	100
White Spruce	5	Log/Pole	10	