



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63088

Entry Year 2028

Acreage: 2,230

County: Missaukee

Management Area: High Sand Plains

Stand Examiner: Andrew Krugh

Legal Description:

T23N, R6W, Sec. 4, 8, 9, 16, 17, 21, 28, 29

Identified Planning Goals:

Vegetation management in the High Sand Plains (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Montcalm, Augres, Rubicon and Croswell sands. Lupton Mucks. Terrain is mostly flat to slightly rolling with large areas of wet lowland marsh types.

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

Every section has some private ownership with a variety of permanent and seasonal dwellings. Dispersed hunting and fishing within compartment.

Unique Natural Features:

West edge of Haymarsh Swamp. West branch of the Muskegon River in southern portion of compartment. Potential for great blue heron rookery, wood turtle, osprey, eagle, goshawk, massasauga and Blanding's turtle. Potential for ebony bog haunter, spotted turtle, and secretive locust in bogs.

Archeological, Historical, and Cultural Features:

240 acres in section 21 purchased in 1973 for deer yard habitat. No archeological sites listed.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The West Branch of the Muskegon River and an unnamed tributary flow through Compartment 88. Both are Designated Trout Streams with populations of self-sustaining brook and/or brown trout.

Wildlife Habitat Considerations:

Featured wildlife species are deer, bear, hare, ruffed grouse, golden-winged warbler, and woodcock. Management emphasis will include maintenance of aspen types and lowland shrub. Timber sale specifications for these featured species (where applicable) will include protection of mast bearing shrubs and ironwood, protection of standing dead snags, creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (Victory, 5/24/16)

Mineral Resource and Development Concerns and/or Restrictions

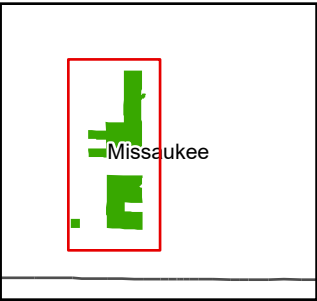
No known potential exists for commercial production of metallic minerals in this part of the state. The nearest known active sand/gravel operations are roughly three miles south and southwest of the compartment. Potential for development of any aggregate resources in the compartment appears to be limited due to abundant wetlands. The closest hydrocarbon production, past or present, is more than five miles away. There is no active leasing involving State-owned oil & gas rights within one mile, and there has been no recent well permit activity in the vicinity. Potential for future oil & gas development within the compartment is considered low at this time.

Vehicle Access:

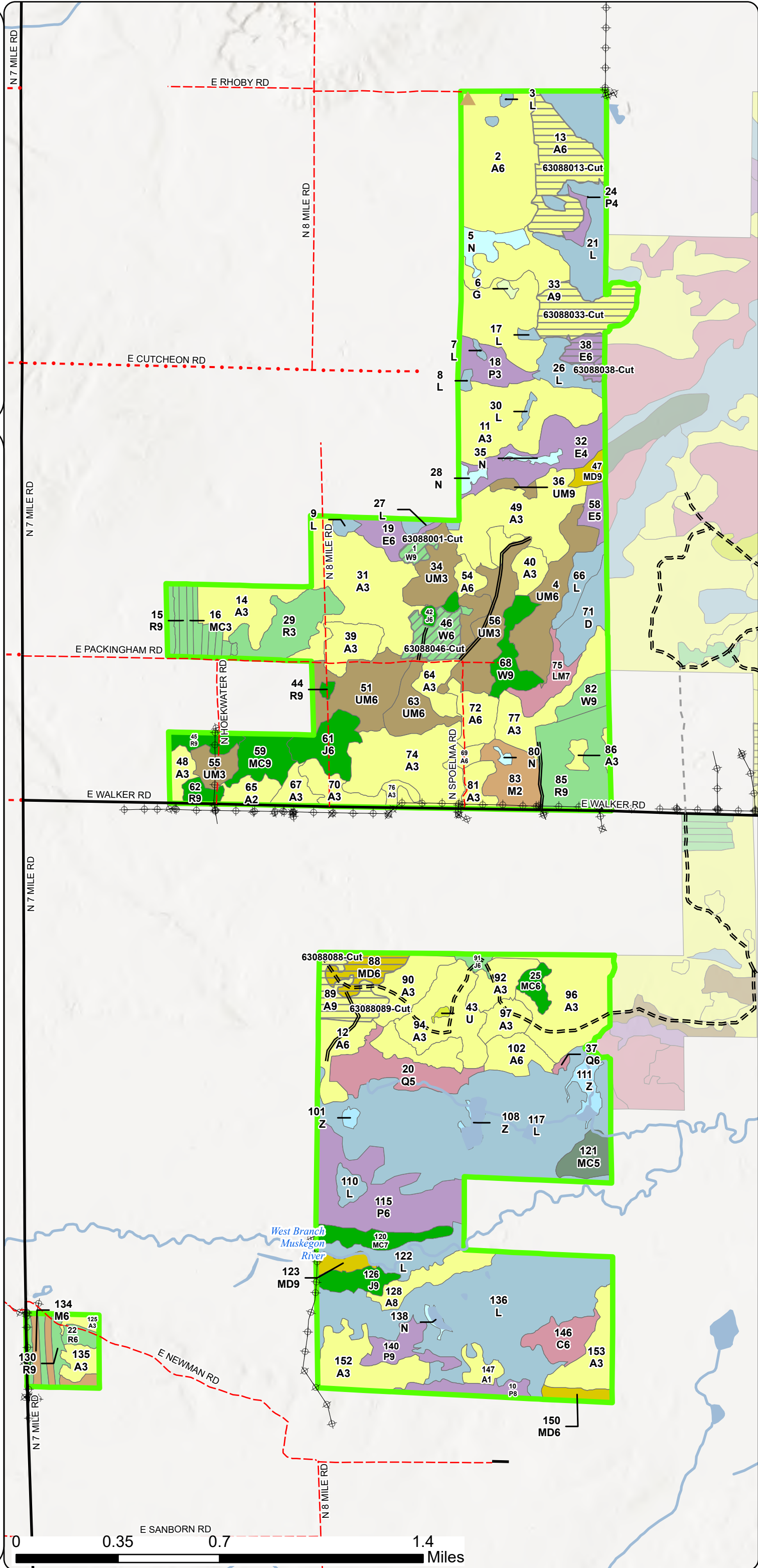
A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR.

Cover Type & Treatments Map

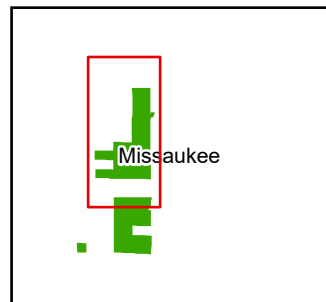
Compartment: 63088
T23N, R06W,
Sec. 04, 08, 09, 16, 17, 21, 28, 29
County: Missaukee
Unit: Cadillac
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 2,230.29 GIS Calculated
Examiner: Andrew Krugh
Date Exported: 07/20/2026
Map Phase: Web Post



- Berm
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Thinning
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



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— — — Private - Dirt / Gravel Road

Streams

 Lakes and Rivers

 Electric

 Compartment Boundary

Stand Outline

411 - Northern Hardwood

413 - Aspen

419 - Mixed Upland Deciduous

421 - Planted Pines

422 - Natural Pines

430 - Upland Mixed Forest

611 - Lowland Deciduous Forest

612 - Lowland Coniferous Forest

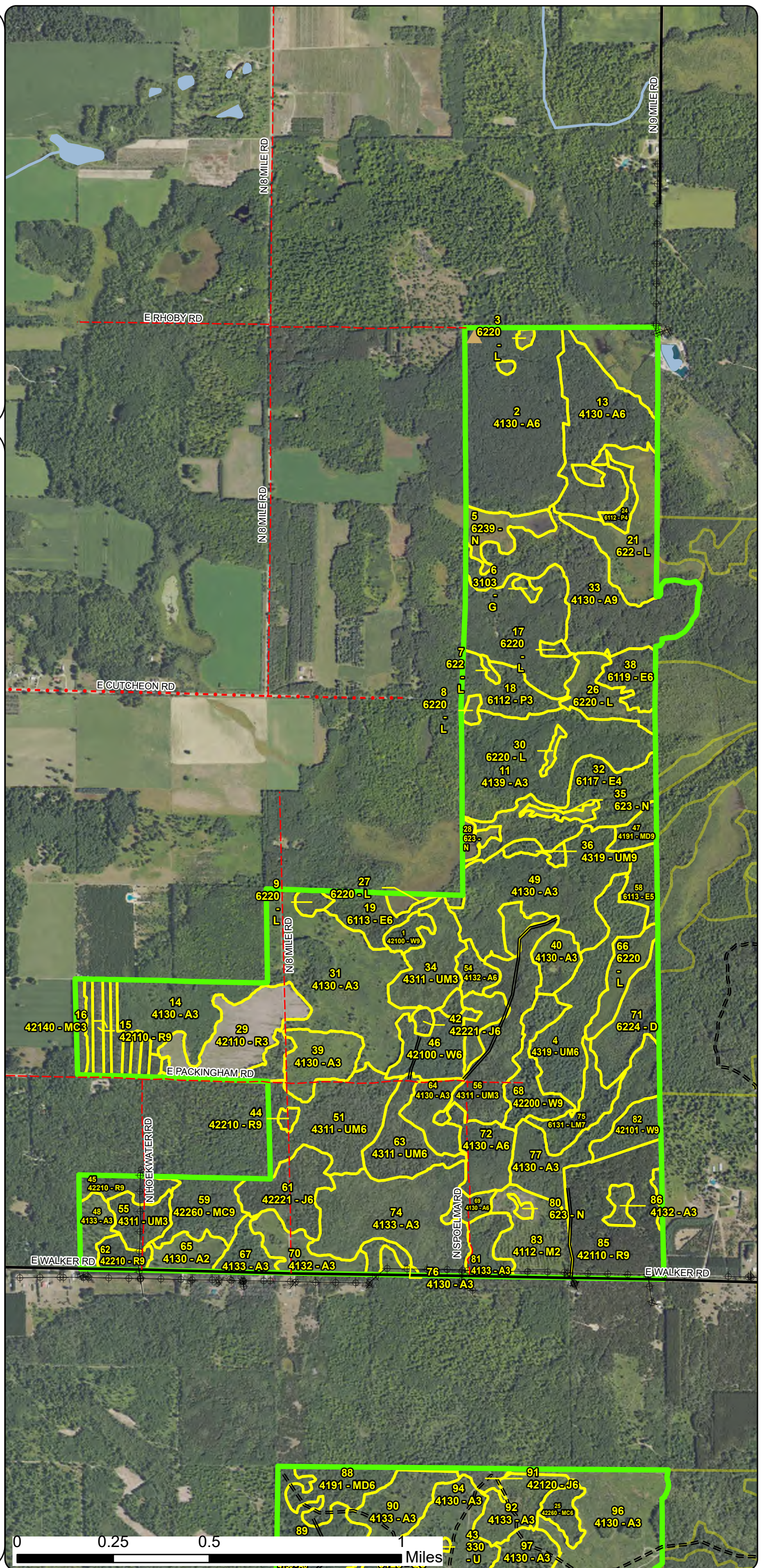
613 - Lowland Mixed Forest

310 - Herbaceous Openland

330 - Low Density Trees

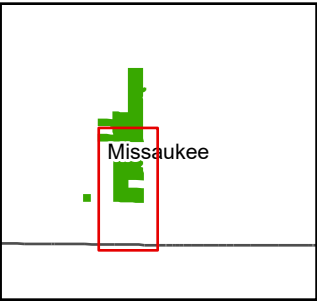
622 - Lowland Shrub

623 - Emergent Wetland

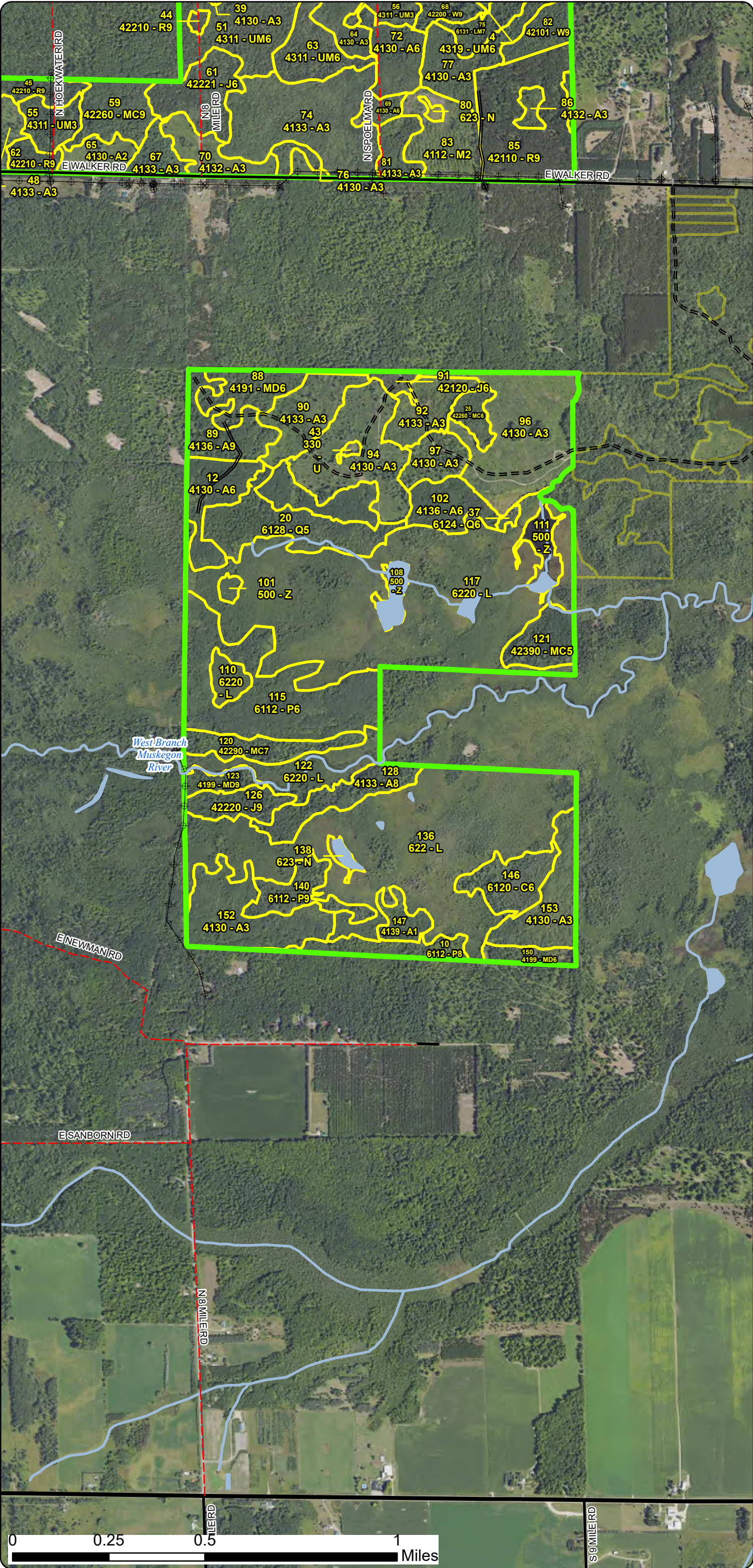


Stand Boundary
Map

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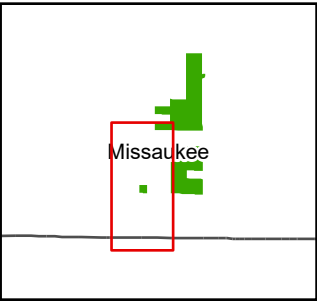


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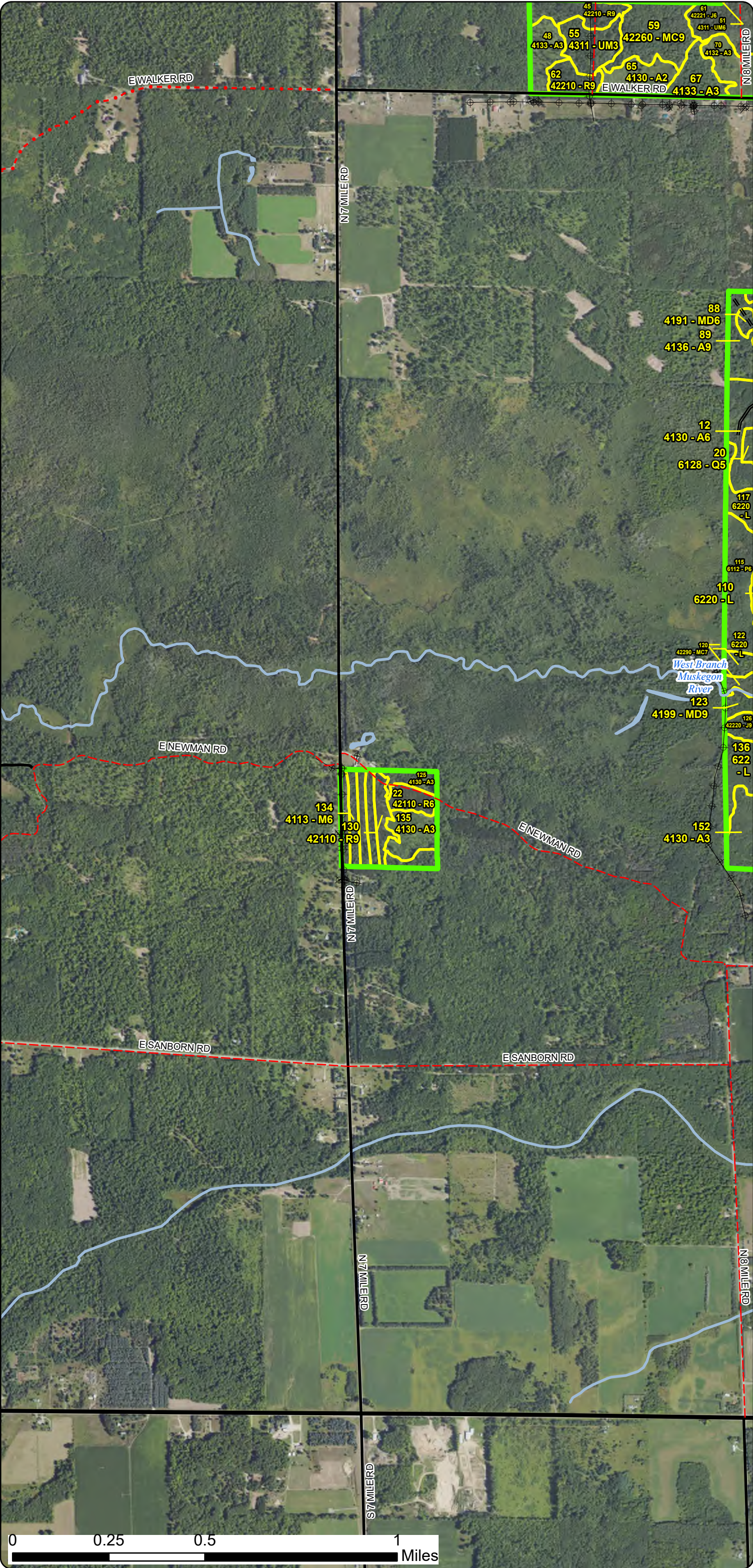


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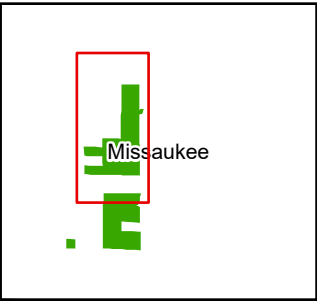


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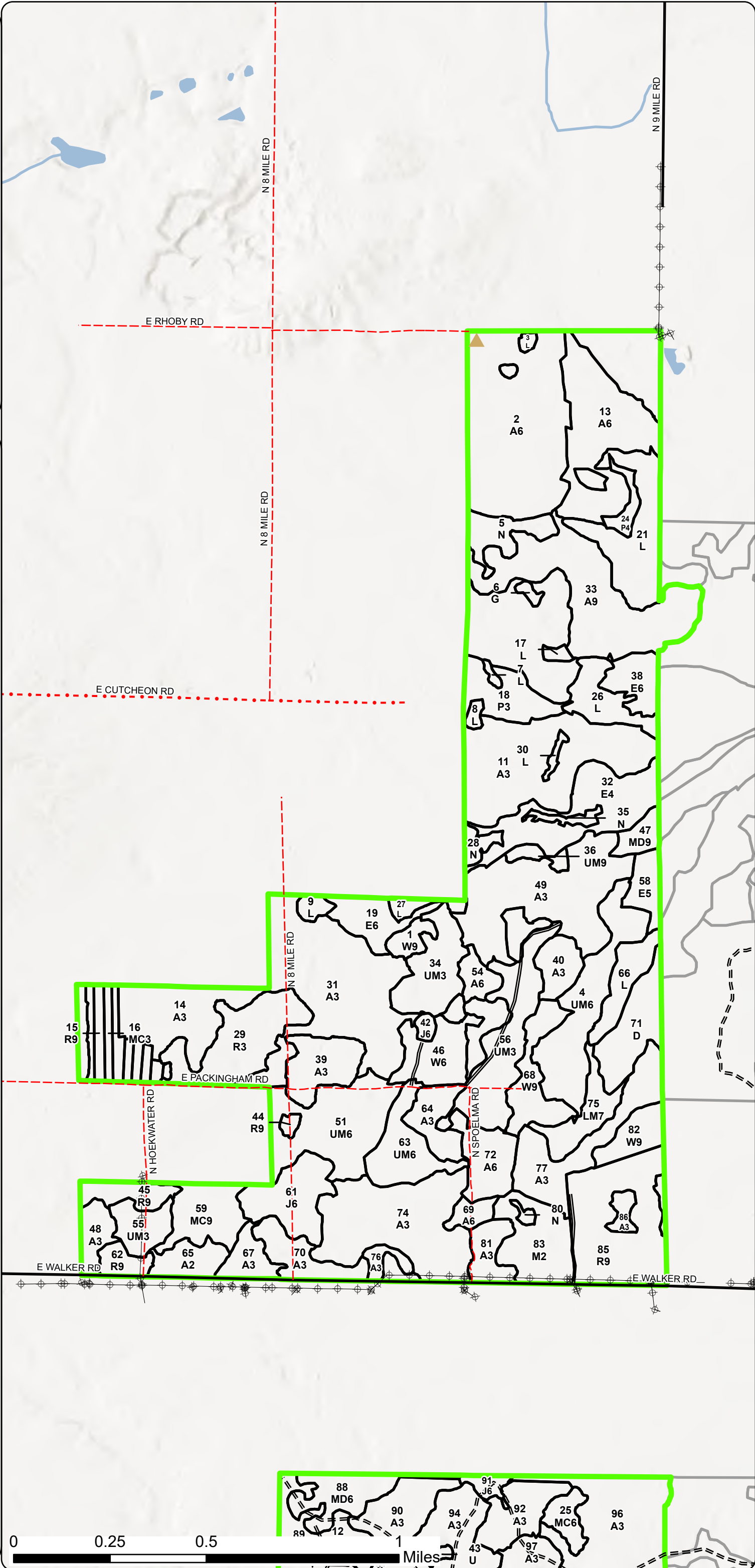


Special Conservation Areas
& Site Conditions Map

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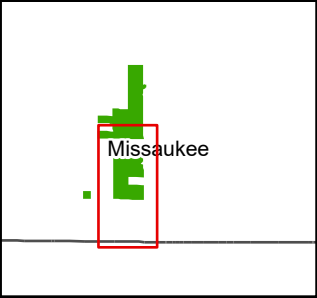


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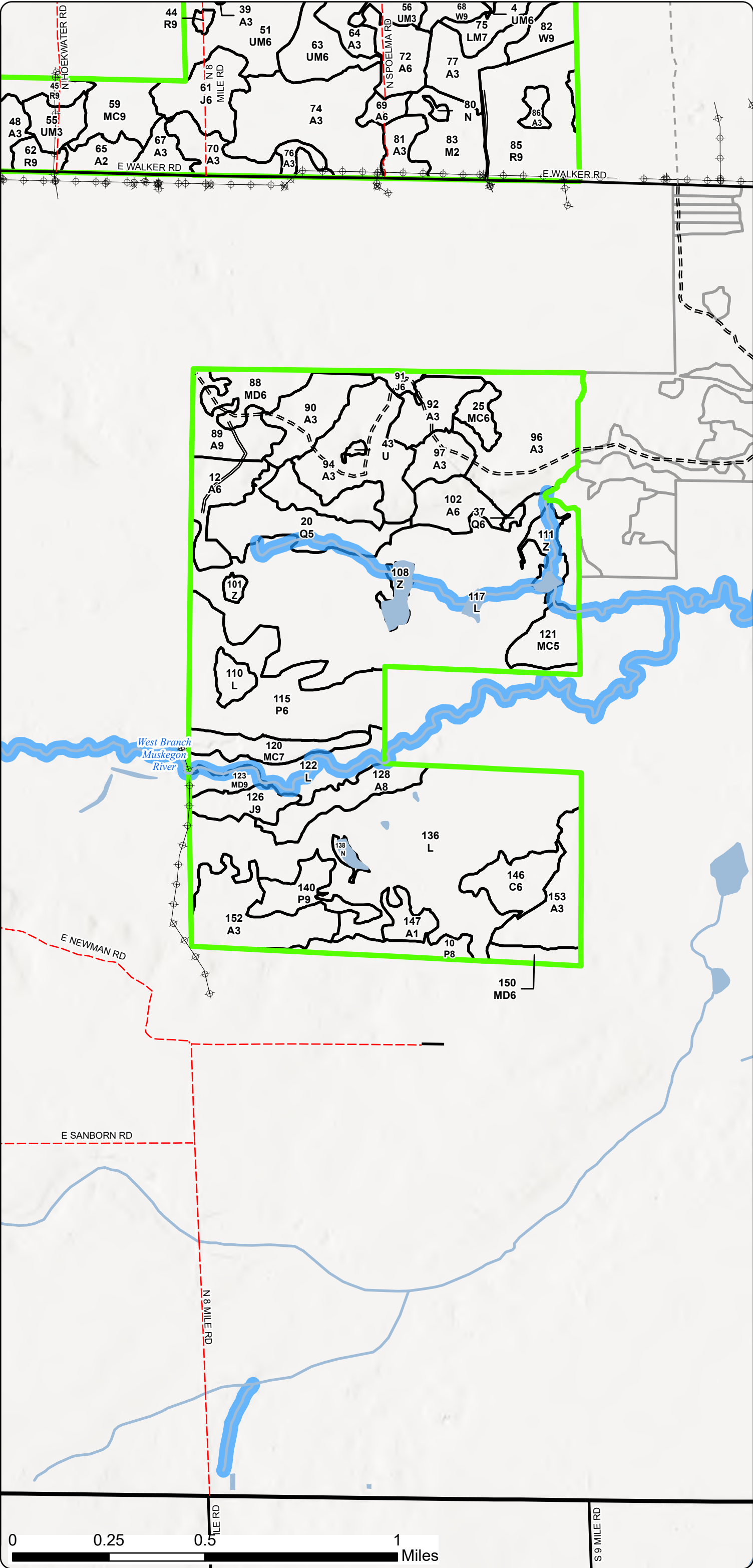


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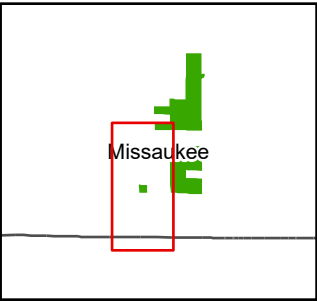


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- Streams
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- Electric
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer

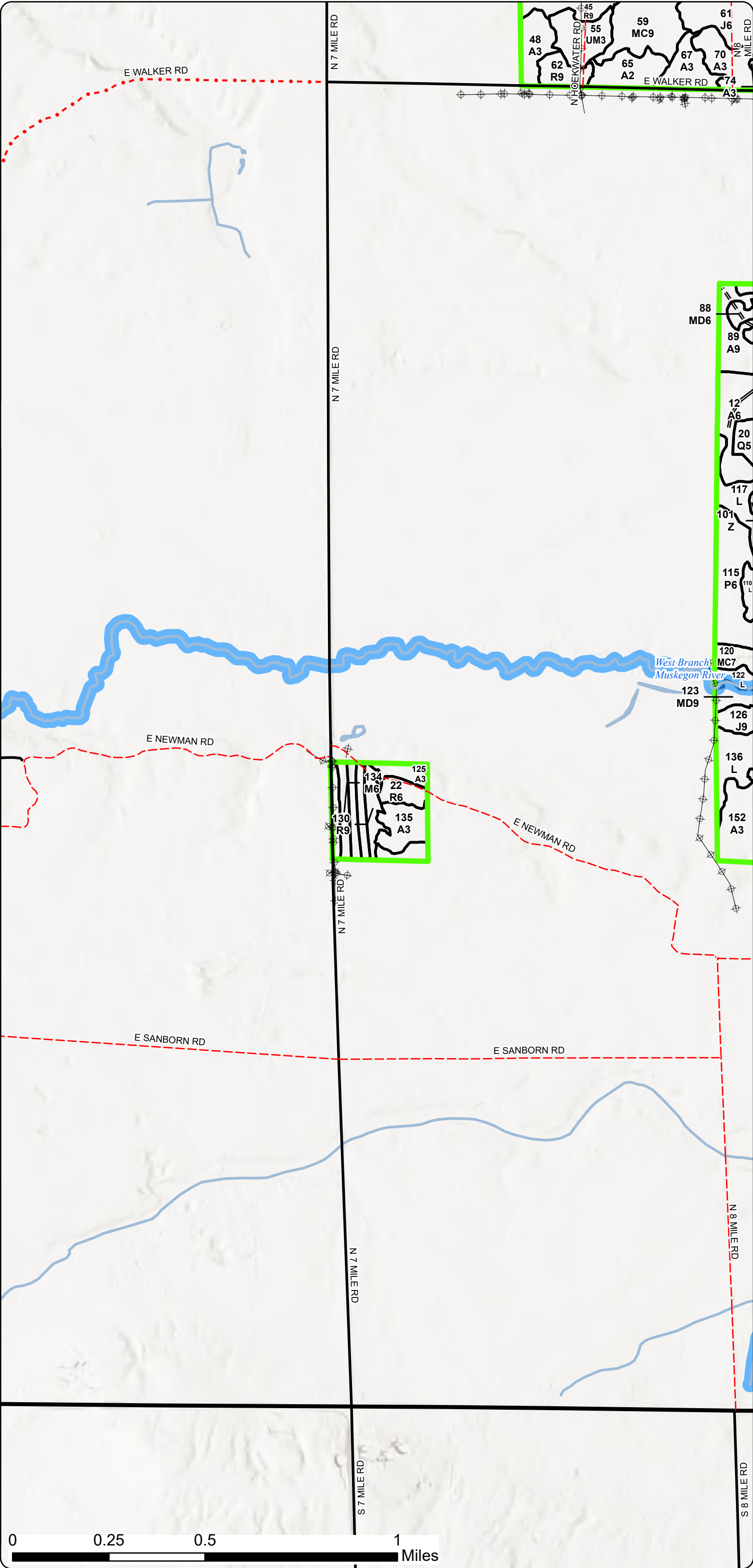


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Survey Needs:

West end of SEC 21 and the SE quarter to reestablish the property line.

Recreational Facilities and Opportunities:

There are no designated recreational trails within this compartment. (T.N. 1/29/16)

Fire Protection:

This area is mostly aspen, and low land areas. Access for any fire in this compartment, would be difficult. There is a buildup of urban interface through out the compartment, this will add to the needs during suppression activities.

Additional Compartment Information:

The following reports from the Inventory are attached:

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

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

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

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	206	271	230	96	6	103	42	0	0	0	0	0	0	0	0	0	0	953
Cedar	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	0	0	25	0	4	0	12	0	0	0	0	0	0	0	0	0	41
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	0	80	0	0	5	0	28	0	0	0	0	0	0	0	0	0	112
Lowland Conifers	0	0	0	0	0	0	0	0	1	32	0	0	0	0	0	0	0	0	33
Lowland Deciduous	0	0	0	0	0	0	0	0	43	11	13	0	0	0	0	0	0	0	66
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Lowland Shrub	453	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	453
Marsh	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Mixed Upland Deciduous	0	0	0	0	0	7	0	17	6	7	0	0	0	0	0	0	0	0	37
Natural Mixed Pines	0	0	0	0	0	0	0	7	19	0	0	0	0	0	0	0	0	15	41
Northern Hardwood	0	0	23	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Planted Mixed Pines	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Red Pine	0	31	0	0	0	0	0	62	15	2	15	0	0	0	0	0	0	0	125
Treed Bog	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Upland Mixed Forest	0	0	29	36	63	0	0	38	0	4	0	0	0	0	0	0	0	0	170
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	0	0	33	0	18	0	0	0	0	0	0	0	0	51
Total	515	237	323	367	184	13	112	199	124	74	45	14	0	0	0	0	0	28	2232



Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 88
Total Compartment Acres: 2,230

Commercial Harvest - 202
Harvests with Site Condition - 64
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	111	0	0	0	0	0	0	0	0	111
Lowland Deciduous	11	0	0	0	0	0	0	0	0	11
White Pine	0	0	0	0	0	22	0	0	0	22
Total	122	0	0	0	0	22	0	0	0	144

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	144	0	0	0	0	0	0	0	0	144
Next Step	0	0	0	0	0	0	122	0	0	122
Total	144	0	0	0	0	0	122	0	0	266



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	63088001-Cut	5.2	42100 - Planted White Pine	9	66	141- 170	Harvest	Thinning	4210 - Planted White Pine	Planting Record	No
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Prescription Thinn stand down to an average BA of 120.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

13	63088013-Cut	44.2	4130 - Aspen	6	55	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final harvest leave 3 to 10 percent retention. Leave all oak. Actual treatment will reflect on the ground conditions and acreage may vary from original proposed treatment. Include grouse specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked aspen, maple, oak, and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

33	63088033-Cut	32.0	4130 - Aspen	9	55	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final harvest leave 1 to 5 oak or pine where present. Leave 3 to 10 percent retention. Actual treatment will reflect on the ground conditions and acreage may vary from original proposed treatment. Include grouse specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked aspen, maple, oak, and pine.

Regen:

Other

Comment:

Site Condition: Road Needed

Proposed Start Date: 10/01/2027



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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38 63088038-Cut	10.7	6119 - Mixed Lowland Deciduous Forest	6	85	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
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Prescription Final harvest leave all white pine, hemlock and cedar. Actual treatment will reflect on the ground conditions and acreage may vary from original proposed treatment. Dry summer or winter cut. Leave grouse logs and rabbitat piles.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked Aspen, Maple, Spruce, and white pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

46 63088046-Cut	16.9	42100 - Planted White Pine	6	63	141- 170	Harvest	Thinning	4210 - Planted White Pine	Planting Record	No
------------------------	------	-------------------------------	---	----	-------------	---------	----------	------------------------------	--------------------	----

Prescription Thinn stand to 120 BA marking for future harvests.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

89 63088088-Cut	16.1	4136 - Aspen, Mixed Conifer	9	60	81-110	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
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Prescription Final harvest. Leave 3-10 percent area retention. In addition leave 3-5 oaks per acre where present and all pine over 20 inches in DBH.

Specs: Consider using Oak Wilt spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked Aspen, maple, jack pine, white pine, red pine, and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

89 63088089-Cut	19.1	4136 - Aspen, Mixed Conifer	9	60	81-110	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
------------------------	------	--------------------------------	---	----	--------	---------	----------	-----------------------------	--------------------	----

Prescription Final harvest. Leave 3-10 percent area retention. In addition leave 3-5 oaks per acre where present and all pine over 20 inches in DBH.

Specs: Include grouse specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked Aspen, maple, jack pine, white pine, red pine, and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

S
t
a
n
dTreatment
Name

Acres

Stand
CoverTypeSize
DensityStand
AgeBA
RangeTreatment
TypeTreatment
MethodCover Type
ObjectiveAge
StructureHabitat
Cut

Total Treatment
Acreage Proposed: 144.2



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

2B	2E	5C	2A	2G	2H	5E
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943	903	40	0	Aspen		40					
17	17	0	0	Cedar							
2	2	0	0	Herbaceous Openland							
41	26	4	11	Jack Pine			4	11			
1	0	0	1	Low-Density Trees							1
110	26	0	84	Lowland Aspen/Balsam Poplar					84		
33	1	0	32	Lowland Conifers					32		
66	21	0	45	Lowland Deciduous					45		
13	0	0	13	Lowland Mixed Forest					13		
453	453	0	0	Lowland Shrub							
22	22	0	0	Marsh							
36	30	7	0	Mixed Upland Deciduous	7						
35	26	0	9	Natural Mixed Pines					9		
34	34	0	0	Northern Hardwood							
10	10	0	0	Planted Mixed Pines							
124	124	0	0	Red Pine							
20	20	0	0	Treed Bog							
14	0	0	14	Upland Conifers						14	
170	171	0	0	Upland Mixed Forest							
17	17	0	0	Water							
50	51	0	0	White Pine							
2,212	1,952	51	209	Total Forested Acres	7	40	4	11	183	14	1
	88%	2%	9%	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		5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: For stand 14.								

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh: Examiner

Compartment: 88
Year of Entry: 2028



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 77.							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh: Examiner

Compartment: 88
Year of Entry: 2028



10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand also need permission from private and road would have to be made or wood skidded to stand to south. With all issues combined stand should be listed as unavailable.							
12	Unavailable	2A: Adjacent landowner denied access	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Andrew Krugh: Examiner

Compartment: 88
Year of Entry: 2028



21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2E: Road needed	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Beaver activity has compromised only road access on State land, work with wildlife and other FMD staff on building road back up or potentially using temp bridge?							
27	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	64	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



33	Unavailable	5E: Long-Term Retention	0	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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
1	42100 - Planted White Pine	Sawtimber Well	5.2	66	141-170	N/A	Small piece of planted white pine. Rows no longer able to find, planted not strait.																																			
<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>85</td><td>Log</td><td>11</td><td>66</td></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Red Pine</td><td>10</td><td>Log</td><td>11</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	85	Log	11	66	Red Maple	5	Log	12		Red Pine	10	Log	11																
Canopy Species	% Cover	Size Class	DBH	Age																																						
White Pine	85	Log	11	66																																						
Red Maple	5	Log	12																																							
Red Pine	10	Log	11																																							
2	4130 - Aspen	Poletimber Well	75.9	35	111-140	N/A	Stand was final harvested in 1991.																																			
<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>20</td><td>Pole/Sapling</td><td>5</td><td>35</td></tr><tr><td>Paper Birch</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Quaking Aspen</td><td>70</td><td>Pole/Sapling</td><td>5</td><td>35</td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Pole/Sapling	5	35	Paper Birch	5	Sapling/Pole	4		Quaking Aspen	70	Pole/Sapling	5	35	Black Cherry	5	Sapling/Pole	4											
Canopy Species	% Cover	Size Class	DBH	Age																																						
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Paper Birch	5	Sapling/Pole	4																																							
Quaking Aspen	70	Pole/Sapling	5	35																																						
Black Cherry	5	Sapling/Pole	4																																							
3	6220 - Alder/Willow	None	2.0			No	Lowland Shrub																																			
4	4319 - Mixed Upland Forest	Poletimber Well	36.3	26	1-50	N/A	Stand was final harvested in 2000. Any cedar hemlock or oak was left. Very large stand with southern portion of stand appearing wetter and having most of the concentration of conifer while the north is more upland and strictly aspen. Hummocky ground.																																			
<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>19</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Paper Birch</td><td>3</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Sapling</td><td>3</td><td>26</td></tr><tr><td>White Pine</td><td>8</td><td>Pole/Sap/Log</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>15</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Balsam Fir</td><td>25</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	19	Sapling	3		Paper Birch	3	Sapling	3		Quaking Aspen	30	Sapling	3	26	White Pine	8	Pole/Sap/Log	6		Black Spruce	15	Pole/Sapling	5		Balsam Fir	25	Pole/Sapling	5	
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Red Maple	19	Sapling	3																																							
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White Pine	8	Pole/Sap/Log	6																																							
Black Spruce	15	Pole/Sapling	5																																							
Balsam Fir	25	Pole/Sapling	5																																							
5	6239 - Mixed Emergent Wetland	None	11.4			No																																				
6	3103 - Rubus-Fern	None	1.5			No																																				
7	622 - Lowland Shrub	None	1.0			No																																				
8	6220 - Alder/Willow	None	1.7			No																																				
9	6220 - Alder/Willow	None	3.0			No	Low wet heavy to alder																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
10	6112 - Lowland Aspen	Sawtimber Medium	12.6	75	1-50	N/A	Mostly lowland aspen, one upland piece of good aspen on west tip otherwise stand is too wet for access. Alder and other lowland shrub understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		55	Log/Pole	12	75	Alder		High	5 - 10 feet	5 - 10 feet
Red Maple		45	Log	11						
11	4139 - Aspen, Mixed Deciduous	Sapling Well	99.0	24	Immature	N/A	Stand was final harvested in 2002. Came back patchy in wet areas, mix of aspen, red maple and a few conifers.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		45	Sapling	1	24					
Quaking Aspen		50	Sapling	2	24					
Northern White Cedar		3	Pole	6						
White Pine		2	Pole	6						
12	4130 - Aspen	Poletimber Well	33.5	27	81-110	N/A	Stand was final harvested in 1999. Swamp aspen cut last time, Came back patchy in spots. Any cedar , oak and hemlock left. Wet area splits stand, with old skid road used to access stand 115 completely flooded out.(At least when checked)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		27	Pole	5	27	Alder		Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen		64	Pole	5	27					
Balsam Fir		5	Sapling/Pole	4						
Paper Birch		2	Sapling	4						
Northern White Cedar		2	Pole	8						
13	4130 - Aspen	Poletimber Well	44.2	55	51-80	N/A	Diameters vary, wet on edges. Average to low quality aspen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		20	Pole	8		Black Cherry		Medium	10 - 20 feet	10 - 20 feet
Paper Birch		5	Pole	6		Serviceberry (Juneberry)		Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen		70	Pole/Log	9	55					
Black Cherry		5	Pole	6						
14	4130 - Aspen	Sapling Well	29.7	18	Immature	N/A	Stand final harvested in 2008. Any oak and pine less than 6 dbh was left. Came back well to aspen and red maple.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		20	Sapling	1	18					
Bigtooth Aspen		78	Sapling	1	18					
Red Pine		2	Pole	8						
15	42110 - Planted Red Pine	Sawtimber Well	15.1	75	81-110	N/A	Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". It was initially row thinned in 1988. Second thinning occurred in 1999.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		100	Log	14	75					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
16	42140 - Planted Mixed Pine	Sapling Well	9.7	27	Immature	N/A	Old jack pine strips which were final harvested in 1999 and planted to red pine following the sale. Planted Red Pine with Natural Jack seeding in. Some areas red pine doing ok but overall competing vegetation will result in rough time for planted red pine.																																			
<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>40</td><td>Sapling</td><td>2</td><td>27</td></tr><tr><td>Jack Pine</td><td>50</td><td>Sapling</td><td>3</td><td>27</td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>2</td><td>27</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	40	Sapling	2	27	Jack Pine	50	Sapling	3	27	Red Maple	10	Sapling	2	27															
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Jack Pine	50	Sapling	3	27																																						
Red Maple	10	Sapling	2	27																																						
17	6220 - Alder/Willow	None	1.6			No																																				
18	6112 - Lowland Aspen	Sapling Well	16.1	25	Unspecified	N/A	Recent cut came back patchy in spots. Lower and wetter than adjacent area cut. More conifer																																			
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Willow spp.	High	5 - 10 feet	5 - 10 feet																																							
19	6113 - Lowland Maple	Poletimber Well	12.8	93	1-50	N/A	Lowland red maple and aspen. Tag alder understory in spots. Overall lowland but not some areas of semi upland.																																			
<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>65</td><td>Pole/Log</td><td>8</td><td>93</td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td>Pole</td><td>8</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	65	Pole/Log	8	93	Paper Birch	10	Pole	6		Bigtooth Aspen	10	Pole	6		White Pine	10	Pole	8		Red Pine	5	Pole	8						
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Alder	Full	5 - 10 feet	5 - 10 feet																																							
Willow spp.	Low	5 - 10 feet	5 - 10 feet																																							
White Pine	Medium	5 - 10 feet	5 - 10 feet																																							
20	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	31.6	85	Unspecified	N/A	Mixed lowland stand, not suitable for commercial operation. Standing water at times.																																			
<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>40</td><td>Pole</td><td>6</td><td>85</td></tr><tr><td>Quaking Aspen</td><td>20</td><td>Pole/Log/Sap</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>20</td><td>Pole/Sap/Log</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>5</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	40	Pole	6	85	Quaking Aspen	20	Pole/Log/Sap	7		Northern White Cedar	20	Pole/Sap/Log	6		Black Spruce	5	Pole	5		Red Maple	5	Pole	7		Paper Birch	10	Pole	6	
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Balsam Fir	Low	< 5 feet	< 5 feet																																							
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																							
21	622 - Lowland Shrub	None	50.1			No	Small upland piece in northeast concern too small for management otherwise non forested lowland shrub stand.																																			
22	42110 - Planted Red Pine	Poletimber Well	4.8	60	141-170	N/A	Plantation was third row thinned in 2019 with sale # "63-014-18", "Bear Dog Pine". This stand is a good example of a plantation planted too tight. Stunted tree growth potential.																																			
<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>100</td><td>Pole</td><td>6</td><td>60</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Pole	6	60																									
Canopy Species	% Cover	Size Class	DBH	Age																																						
Red Pine	100	Pole	6	60																																						



MICHIGAN





MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
39	4130 - Aspen	Sapling Well	17.0	16	Immature	N/A	Overstory removal of red pine in 2018, allowed site to convert to aspen and red maple. As much aspen as possible was worked around. Left with mix of aspen regen from 2010 harvest and aspen that sprouted from 2018 overstory removal.																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>80</td><td>Sapling</td><td>2</td><td>16</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling	2	16	Red Maple	20	Sapling	1											
Canopy Species	% Cover	Size Class	DBH	Age																												
Quaking Aspen	80	Sapling	2	16																												
Red Maple	20	Sapling	1																													
40	4130 - Aspen	Sapling Well	14.8	18	Immature	N/A	Stand was final harvested in 2010. Came back to mostly aspen.																									
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White Pine	5	Sapling	2																													
Jack Pine	2	Sapling	2																													
42	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	3.9	37	81-110	N/A	Stand was final harvested in 1989.																									
<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>10</td><td>Sapling</td><td>4</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Jack Pine</td><td>60</td><td>Pole/Sapling</td><td>5</td><td>37</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	4		Bigtooth Aspen	30	Sapling/Pole	4		Jack Pine	60	Pole/Sapling	5	37					
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Sub-Canopy Species	Density	Avg. Height	Size																													
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet																													
43	330 - Low-Density Trees	None	1.0			No	Vernal Pond wetland area.																									
44	42210 - Natural Red Pine	Sawtimber Well	1.5	88	111-140	N/A	Small isolated piece of log natural red pine.																									
<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>85</td><td>Log</td><td>15</td><td>88</td></tr><tr><td>White Pine</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Pole</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	85	Log	15	88	White Pine	10	Pole	8		Quaking Aspen	5	Pole	6						
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Red Pine	Low	10 - 20 feet	10 - 20 feet																													
White Pine	Low	>20 feet	>20 feet																													
45	42210 - Natural Red Pine	Sawtimber Well	8.9	90	81-110	N/A	Stand was thinned in 2010, all aspen, red maple and jack was cut as well. Good quality what appears to be nice natural red pine stand. No evidence of rows and some variability in diameter leads me to believe it a true natural stand. Found wooden survey post in NW corner.																									
<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>Log/Pole</td><td>16</td><td></td></tr><tr><td>Red Pine</td><td>90</td><td>Log</td><td>15</td><td>90</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Log/Pole	16		Red Pine	90	Log	15	90										
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46	42100 - Planted White Pine	Poletimber Well	17.4	63	141-170	N/A	Rough looking planted white pine stand, mixed with aspen and some jack pine. A few scattered red pine legacy log trees. Rows are hard to find for most part.																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>75</td><td>Pole/Log</td><td>8</td><td>63</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/XLog</td><td>13</td><td></td></tr><tr><td>Jack Pine</td><td>10</td><td>Pole</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Pole	8		White Pine	75	Pole/Log	8	63	Red Pine	5	Log/XLog	13		Jack Pine	10	Pole	6	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
47	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.0	75	51-80	N/A	Small piece that was left from large sale to east. Mix of aspen, red and white pine, balsam and red maple.																																															
		<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>30</td><td>Log/Pole</td><td>10</td><td>75</td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>20</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>White Pine</td><td>25</td><td>Log/Pole</td><td>10</td><td>75</td></tr><tr><td>Red Pine</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole</td><td>6</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Log/Pole	10	75	Paper Birch	10	Pole	6		Quaking Aspen	20	Log/Pole	10		White Pine	25	Log/Pole	10	75	Red Pine	10	Log	12		Balsam Fir	5	Pole	6				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Low	5 - 10 feet	5 - 10 feet		
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48	4133 - Aspen, Mixed Pine	Sapling Well	8.3	7	Immature	N/A	Stand was final harvested in spring 2019 with sale # "63-011-18", "Walker Road Aspen". White pine over 18 inches left as well as all red pine.																																															
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49	4130 - Aspen	Sapling Well	55.2	26	Immature	N/A	Stand was final harvested in 2000. Any cedar hemlock or oak was left. Very large stand with southern portion of stand appearing wetter and having most of the concentration of conifer while the north is more upland and strictly aspen. Hummocky ground.																																															
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51	4311 - Pine, Aspen Mix	Poletimber Well	38.1	62	81-110	N/A	Jack and aspen mix pole stand. Some variability in diameters in stand. Aspen looks rough in pockets, jack pine holding up better.																																															
		<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>8</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>40</td><td>Pole/Log/Sap</td><td>9</td><td>62</td></tr><tr><td>Jack Pine</td><td>45</td><td>Pole/Log/Sap</td><td>9</td><td>62</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>10</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	8	Pole/Log	8		Quaking Aspen	40	Pole/Log/Sap	9	62	Jack Pine	45	Pole/Log/Sap	9	62	Red Pine	5	Log/Pole	12		White Pine	2	Log/Pole	10				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	10 - 20 feet	Red Pine	Low	5 - 10 feet	5 - 10 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet			
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54	4132 - Aspen, Jack Pine	Poletimber Well	6.1	48	81-110	N/A	Aspen , jack pine mixed stand. Very hummocky and seasonally wet it appears. Leatherleaf understory. Sparse stocked low quality stand, may have something to do with seasonally wet nature.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
64	4130 - Aspen	Sapling Well	12.1	26	Immature	N/A	Stand final harvested in 2000.																																													
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65	4130 - Aspen	Sapling Medium	10.1	7	Immature	N/A	Stand was final harvested in spring 2019 with sale # "63-011-18", "Walker Road Aspen". All red pine was left.																																													
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66	6220 - Alder/Willow	None	12.2			No																																														
67	4133 - Aspen, Mixed Pine	Sapling Well	8.7	16	1-50	N/A	Stand was final harvested in 2010, white pine was left. Some log white pine but mostly pole size.																																													
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68	42200 - Natural White Pine	Sawtimber Well	17.5	85	1-50	N/A	Pine was thinned and all aspen and maple was spec cut in 2010. Over story of mature red and white pine with aspen, maple and a few white pine in understory. Some legacy potential white pine .																																													
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69	4130 - Aspen	Poletimber Well	4.9	60	51-80	N/A	Small less then 5 acre piece that was avoided with adjacent cuts. Aspen in rough shape.																																													
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70	4132 - Aspen, Jack Pine	Sapling Well	16.6	7	Immature	N/A	Stand was final harvested in spring 2019 with sale # "63-011-18", "Walker Road Aspen". All red pine was left along with retention island.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
71	6224 - Treed Bog	None	20.0			No	A few scattered pockets of more mature lowland conifer on Southern edge otherwise a leather leaf lowland conifer bog type. (Tamarack, white pine, and spruce) Seasonally flooded which I am guessing prevent trees from being able to gain much of any size.																																																						
72	4130 - Aspen	Poletimber Well	15.8	36	111-140	N/A	Stand was final harvested in 1990.																																																						
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Black Cherry	5	Sapling	4																																																										
74	4133 - Aspen, Mixed Pine	Sapling Well	53.0	18	Immature	N/A	Stand was final harvested in 2008, was typed as jack pine before harvest. Any red and white pine under 6 inches were left.																																																						
<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>10</td><td>Sapling</td><td>2</td><td>18</td></tr><tr><td>Quaking Aspen</td><td>65</td><td>Sapling</td><td>2</td><td>18</td></tr><tr><td>Red Pine</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Jack Pine</td><td>15</td><td>Sapling</td><td>2</td><td>18</td></tr><tr><td>White Pine</td><td>5</td><td>Pole</td><td>5</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	2	18	Quaking Aspen	65	Sapling	2	18	Red Pine	5	Log	12		Jack Pine	15	Sapling	2	18	White Pine	5	Pole	5																									
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Jack Pine	15	Sapling	2	18																																																									
White Pine	5	Pole	5																																																										
75	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Poor	13.4	95	51-80	N/A	Mixed stand, far western portion is mire upland red maple and aspen pole with scattered white pine legacy trees, rest of stand is scattered white pine with small pole and sapling lowland hardwood.																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>30</td><td>Log/Pole</td><td>10</td><td></td><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>5</td><td></td><td>Tamarack</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>50</td><td>Log/Pole/XLog</td><td>14</td><td>95</td><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Pine</td><td>2</td><td>Log</td><td>14</td><td></td><td>Willow spp.</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>13</td><td>Pole</td><td>8</td><td></td><td>Alder</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	30	Log/Pole	10		Red Maple	Medium	5 - 10 feet	5 - 10 feet	Black Spruce	5	Pole	5		Tamarack	Medium	5 - 10 feet	5 - 10 feet	White Pine	50	Log/Pole/XLog	14	95	White Pine	Low	5 - 10 feet	5 - 10 feet	Red Pine	2	Log	14		Willow spp.	Medium	5 - 10 feet	5 - 10 feet	Quaking Aspen	13	Pole	8		Alder	High	10 - 20 feet	10 - 20 feet
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Quaking Aspen	13	Pole	8		Alder	High	10 - 20 feet	10 - 20 feet																																																					
76	4130 - Aspen	Sapling Well	3.9	37	111-140	N/A	Stand was final harvested in 1989. Came back to aspen and jack pine mix. Almost small pole size.																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>80</td><td>Sapling/Pole</td><td>4</td><td>37</td><td>Serviceberry (Juneberry)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>15</td><td>Sapling/Pole</td><td>4</td><td></td><td>Black Cherry</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	80	Sapling/Pole	4	37	Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet	Jack Pine	15	Sapling/Pole	4		Black Cherry	Medium	5 - 10 feet	5 - 10 feet	Black Cherry	5	Sapling	3																							
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Black Cherry	5	Sapling	3																																																										
77	4130 - Aspen	Sapling Well	28.6	18	Immature	N/A	Stand was final harvested in 2008. All red and white pine under 6 dbh was left. Came back well as a whole although there are a few pockets where deer browse appears to have made its mark.																																																						
<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>20</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Quaking Aspen</td><td>65</td><td>Sapling</td><td>1</td><td>18</td></tr><tr><td>Jack Pine</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	1		Quaking Aspen	65	Sapling	1	18	Jack Pine	10	Sapling	1		Black Cherry	5	Sapling	1																														
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Jack Pine	10	Sapling	1																																																										
Black Cherry	5	Sapling	1																																																										
80	623 - Emergent Wetland	None	1.2			No	Flooded wetland in spring.																																																						



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sapling	1	
Red Pine	10	Log	12	
White Pine	2	Sapling	1	

82

42101 - Planted White Pine, Mixed Deciduous

Sawtimber Well

10.4

63

141-170

N/A

Mixed aspen and white pine. Appears natural rows are no longer defined.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Quaking Aspen	20	Pole	8	
White Pine	65	Log/Pole	10	63
Red Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

83

4112 - Maple, Beech, Cherry Association

Sapling Medium

22.9

17

Immature

N/A

Jack pine was cut in 2019, as much of understory red maple was protected as possible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	78	Sapling	1	17
Quaking Aspen	20	Sapling	1	
Black Cherry	2	Sapling	1	

85

42110 - Planted Red Pine

Sawtimber Well

45.8

63

111-140

N/A

Stand was thinned in Summer 2018 with sale # "63-002-18", "88 Contract Pine". Stand was also row thinned in 2000. Red pine in good shape, middle of stand has a few acres with thick aspen understory from cut in 2000. Otherwise limited understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	10	63

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Trace	< 5 feet	< 5 feet
Red Maple	High	>20 feet	>20 feet

86

4132 - Aspen, Jack Pine

Sapling Well

5.1

26

1-50

N/A

Stand was final harvested in 2000. Scattered red pine left. Came back to mix of aspen and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Jack Pine	35	Sapling	3	26
Quaking Aspen	60	Sapling	3	26

88

4191 - Mixed Upland Deciduous with Conifer

Poletimber Well

16.9

65

51-80

N/A

Mostly Jack pine with some aspen component. A few balsam and maple scattered. Jack pine holding together.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Quaking Aspen	30	Pole	9	
Jack Pine	33	Pole/Log	8	65
Balsam Fir	2	Pole	7	
Black/Red (Hybrid) Oak	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet

81

4133 - Aspen, Mixed Pine

Sapling Well

9.7

26

Immature

N/A

Stand was final harvested in 2000. Some log red pine was left. Small vernal pond in north end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Sapling	2	
Quaking Aspen	60	Sapling	3	26
Jack Pine	10	Sap		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
89	4136 - Aspen, Mixed Conifer	Sawtimber Well	19.1	60	81-110	N/A	Average Aspen with a few pine and balsam mixed in.		
Canopy Species Red Maple Quaking Aspen Jack Pine Balsam Fir White Pine		% Cover 10 70 10 8 2	Size Class Log/Pole Log/Pole Pole/Log/Sap Pole Log	DBH 10 11 9 7 11	Age 60	Sub-Canopy Species Balsam Fir Red Maple Serviceberry (Juneberry)	Density Medium Low Low	Avg. Height Variable 10 - 20 feet 5 - 10 feet	Size Variable 10 - 20 feet 5 - 10 feet
90	4133 - Aspen, Mixed Pine	Sapling Well	21.0	15	Immature	N/A	Natural red, jack and white pine. Final harvested in 2011, scattered red and white pine were left. Came back to mostly aspen and maple , Scattered log red and white left. Sparse regeneration on south end.		
Canopy Species Red Maple Quaking Aspen White Pine Red Pine Jack Pine White Pine		% Cover 19 60 2 5 10 4	Size Class Sapling Sapling Log Log Sapling Sapling	DBH 3 3 12 12 3 4	Age 15 74 15				
91	42120 - Planted Jack Pine	Poletimber Well	3.6	58	51-80	N/A	Small 3 acre piece of pole jack.Leave for size class diversity within immediate area. (AK 26)		
Canopy Species Jack Pine Bigtooth Aspen		% Cover 95 5	Size Class Pole Log/Pole	DBH 8 10	Age 58	Sub-Canopy Species Red Maple	Density Low	Avg. Height 5 - 10 feet	Size 5 - 10 feet
92	4133 - Aspen, Mixed Pine	Sapling Well	16.3	15	Immature	N/A	Stand was final harvested in 2011. Was primarily jack pine prior to harvest. Came back to Aspen, Jack pine will be smaller component.		
Canopy Species Red Maple Quaking Aspen White Pine Jack Pine		% Cover 10 70 5 15	Size Class Sapling Sapling Sapling Sapling	DBH 1 1 1 1	Age 15 15				
94	4130 - Aspen	Sapling Well	40.0	6	Immature	N/A	Stand harvested in 2020. 63-12-18 Missaukee Classic Aspen.		
Canopy Species Bigtooth Aspen White Pine		% Cover 95 5	Size Class Sapling Log/Pole	DBH 1 11	Age 6 65				
96	4130 - Aspen	Sapling Well	52.9	6	Immature	N/A	Harvested in 2020 63-12-18 Missaukee Classic Aspen.		
Canopy Species Bigtooth Aspen White Pine		% Cover 90 10	Size Class Sapling Sapling	DBH 1 4	Age 6				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
97	4130 - Aspen	Sapling Well	11.8	15	Immature	N/A	Stand was final harvested in 2011, scattered pine were left. All oak as well. Pine concentrated																									
<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>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>12</td> <td>80</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>13</td> <td></td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	2		Bigtooth Aspen	65	Sapling	2	15	White Pine	5	Log	12	80	Red Pine	10	Log	13	
Canopy Species	% Cover	Size Class	DBH	Age																												
Red Maple	20	Sapling	2																													
Bigtooth Aspen	65	Sapling	2	15																												
White Pine	5	Log	12	80																												
Red Pine	10	Log	13																													
101	500 - Water	None	2.1			No																										
102	4136 - Aspen, Mixed Conifer	Poletimber Well	15.3	27	1-50	N/A	Cut in 1999, came back well to aspen, borders wet on south end.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Red Maple	20	Pole/Sapling	5	27																												
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Northern White Cedar	5	Pole	6	90																												
Balsam Fir	15	Pole/Sapling	6																													
108	500 - Water	None	5.5			No																										
110	6220 - Alder/Willow	None	6.4			No																										
111	500 - Water	None	9.1			No																										
115	6112 - Lowland Aspen	Poletimber Well	64.1	24	111-140	N/A	Wildlife cut that was final harvested commercially in 2002. Came back patchy in spots.																									
<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>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Black Ash</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td>24</td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Pole/Sapling</td> <td>6</td> <td>24</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Pole/Log	8		Black Ash	15	Pole/Sapling	5	24	Red Maple	35	Pole/Sapling	5		Quaking Aspen	45	Pole/Sapling	6	24
Canopy Species	% Cover	Size Class	DBH	Age																												
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Red Maple	35	Pole/Sapling	5																													
Quaking Aspen	45	Pole/Sapling	6	24																												
117	6220 - Alder/Willow	None	180.7			No	No canopy but some scattered tamarack. swamp ash, small balsam water flow in middle of stand. Large lowland shrub stand with a few island of scattered trees, nothing manageable.																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
120	42290 - Natural Mixed Pine	Sawtimber Poor	15.0	95	51-80	N/A	upland ridge area surrounded by low wet areas. Muskegon river to south and wet small drainage to north. There are many large legacy trees within the stand. Stand is converting to a nice natural pine stand.																																																									
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Red Pine	Medium	Variable	Variable																																																													
121	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	14.4	100	51-80	N/A	Remote call on upland area of conifers, surrounded by low wet areas. No access for commercial harvest.																																																									
122	6220 - Alder/Willow	None	22.7			No																																																										
123	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.7	45	51-80	N/A	Appears to be old wildlife cut? Mostly small pole red maple mostly.																																																									
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125	4130 - Aspen	Sapling Well	4.2	18	Immature	N/A	Stand was final harvested in 2008.																																																									
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126	42220 - Natural Jack Pine	Sawtimber Well	11.7	75	51-80	N/A	No access, except across private. . Mixed stand which transitions to mostly jack pine to the east.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
128	4133 - Aspen, Mixed Pine	Sawtimber Medium	18.0	60	1-50	N/A	Small isolated ridge of aspen and some open pockets of red pine. Mostly upland although wet on edges in the spring. Illegal ORV activity.																																																												
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130	42110 - Planted Red Pine	Sawtimber Well	11.8	60	81-110	N/A	Stand was marked second thinning in 2019 with sale # "63-014-18", "Bear Dog Pine". Stand was third row thinned prior to that.																																																												
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134	4113 - R.Maple, Conifer	Poletimber Well	10.8	20	1-50	N/A	Poor quality jack pine with some mortality. Southern edge jack pine completely fell and red maple has taken over.																																																												
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135	4130 - Aspen	Sapling Well	8.8	7	Immature	N/A	Stand was final harvested in 2019 with sale # "63-014-18", "Bear Dog Pine".																																																												
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136	622 - Lowland Shrub	None	152.7			No	Some scattered island of conifer on small humps, otherwise large wet shrub swamp.																																																												
138	623 - Emergent Wetland	None	2.5			No																																																													
140	6112 - Lowland Aspen	Sawtimber Well	14.8	70	51-80	N/A	Wet piece of aspen that was left when large sale occurred to south. Seems as if it was left as a result of stand being too wet?																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
146	6120 - Lowland Cedar	Poletimber Well	17.1	95	51-80	N/A	Lowland conifer edge call, too wet. Upland manageable aspen adjacent was cut last YOE.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Pole	5		Alder	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	75	Pole	6	95					
Tamarack	5	Pole	5						
Black Ash	5	Pole/Sapling	5						
Quaking Aspen	10	Pole/Log	8						
147	4139 - Aspen, Mixed Deciduous	Sapling Poor	7.6	18	Immature	N/A	Stand was final harvested in winter 2008. Was a negotiated sale by Chris Parks as they were the only ones to be able to get access from private.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Maple	55	Sapling	2	18					
Quaking Aspen	40	Sapling	2	18					
Red Pine	5	Sapling	1						
150	4199 - Other Mixed Upland Deciduous	Poletimber Well	6.7	88	1-50	N/A	portion of stand to north that was not cut. Unsure if private line was ran? Need to trespass to access stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	50	Pole	8	88	Red Maple	Low		10 - 20 feet	10 - 20 feet
Quaking Aspen	25	Pole	7		Alder	High		10 - 20 feet	10 - 20 feet
Balsam Fir	5	Sapling	4		Willow spp.	Medium		5 - 10 feet	5 - 10 feet
Northern White Cedar	5	Pole	8		Quaking Aspen	Low		5 - 10 feet	5 - 10 feet
Tamarack	5	Pole	6						
Black Ash	10	Pole	5						
152	4130 - Aspen	Sapling Well	33.4	18	Immature	N/A	Stand was final harvested in winter 2008. Was a negotiated sale by Chris Parks as they were the only ones to be able to get access from private. Stand regenerated well and is upland but appears as if it would be seasonally wet at times.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Maple	15	Sapling	2						
Quaking Aspen	75	Sapling	2	18					
Balsam Fir	5	Sapling	1						
Red Oak	5	Log	15						
153	4130 - Aspen	Sapling Well	23.7	18	Immature	N/A	Stand was final harvested in winter 2008. Was a negotiated sale by Chris Parks as they were the only ones to be able to get access from private.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	70	Sapling	2	18					
Red Maple	20	Sapling	2						
Paper Birch	10	Sapling	2	18					