



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71037

Entry Year 2028

Acreage: 6,064

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Brian Martell

Legal Description:

T23N R02W, Sections 4-9, 16-8, 20-21, 28-29.

Identified Planning Goals:

Maintain healthy and diverse forest land for wildlife, recreation and the production of forest products.

Soil and topography:

The main lowland complex of the compartment consists of Dawson-Loxley peats and Tawas-Lupton mucks. The upland soils are mainly Graycalm, Gerrish, and Croswell sands. The topography consists of two major hills on either side of the compartment sloping down into low flats in between.

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

This compartment is a continuous block of state forest land with very little private property bordering. There is an old county landfill and a gravel pit within the compartment.

Unique Natural Features:

Element occurrences of smooth green snake are found within the compartment.

Archeological, Historical, and Cultural Features:

There are known archeological sites within the vicinity.

Special Management Designations or Considerations:

A portion of sections 5 and 6 have a part of the Robinson Creek State Wildlife Management Area within them. Robinson Creek has an HCVA designation as a Natural River. The compartment contains a large portion of the 9 Mile Complex Ecological Reference Area which has MNFI biotics local terrestrial community classifications of 'muskeg' and 'poor conifer swamp.'

Watershed and Fisheries Considerations:

Robinson Creek Natural River connected to Robinson Flooding.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for economic deposits of metallic minerals in this part of the state. The DNR-managed Nine Mile Hill sand & gravel pit occurs within the compartment and is currently leased to Rieth-Riley. A number of other active aggregate operations occur in the area, and there is potential for additional sand & gravel development on the uplands in Sec 4 within the compartment. The nearest hydrocarbon production, past or present, is more than three miles to the northeast. There has been no recent well permitting activity in or around the compartment, and there is also no current leasing activity involving State-owned oil & gas rights in the area. Potential for future oil & gas development within the compartment is considered low at this time. 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:

Main vehicle access in uplands off of Russell Lake Road, Landfill Road, and Sawyer Road which are county roads. There are some state forest roads off the main county roads providing decent vehicle access to the uplands.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

The northeast portion of the compartment has an ATV trail that loops through it. There are ample hunting and dispersed camping opportunities in the compartment as well.

Fire Protection:

Additional Compartment Information:

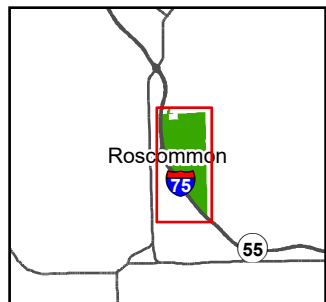
The following reports from the Inventory are attached:

- 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**

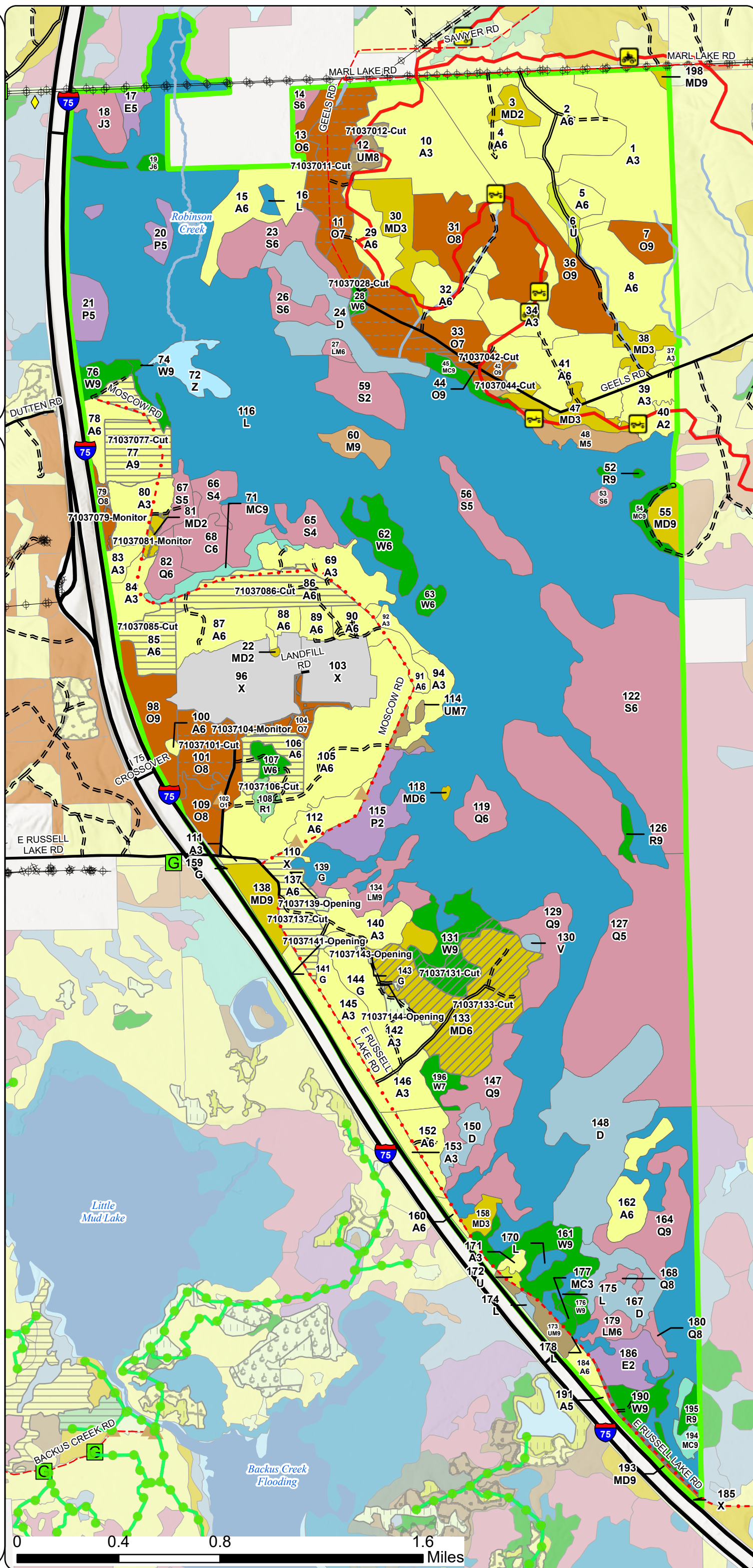
The following information is displayed, where pertinent, on the attached compartment maps:

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

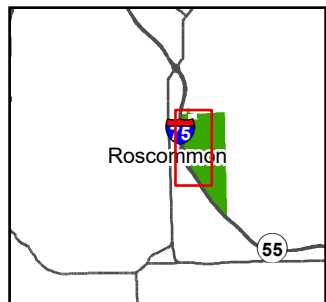
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T23N, R02W, Sec. 4-9, 16-18, 20, 21,
28, 29, 33
County: Roscommon
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 6,063.83 GIS Calculated
Examiner: Brian Martell
Date Exported: 06/11/2026
Map Phase: Web Post



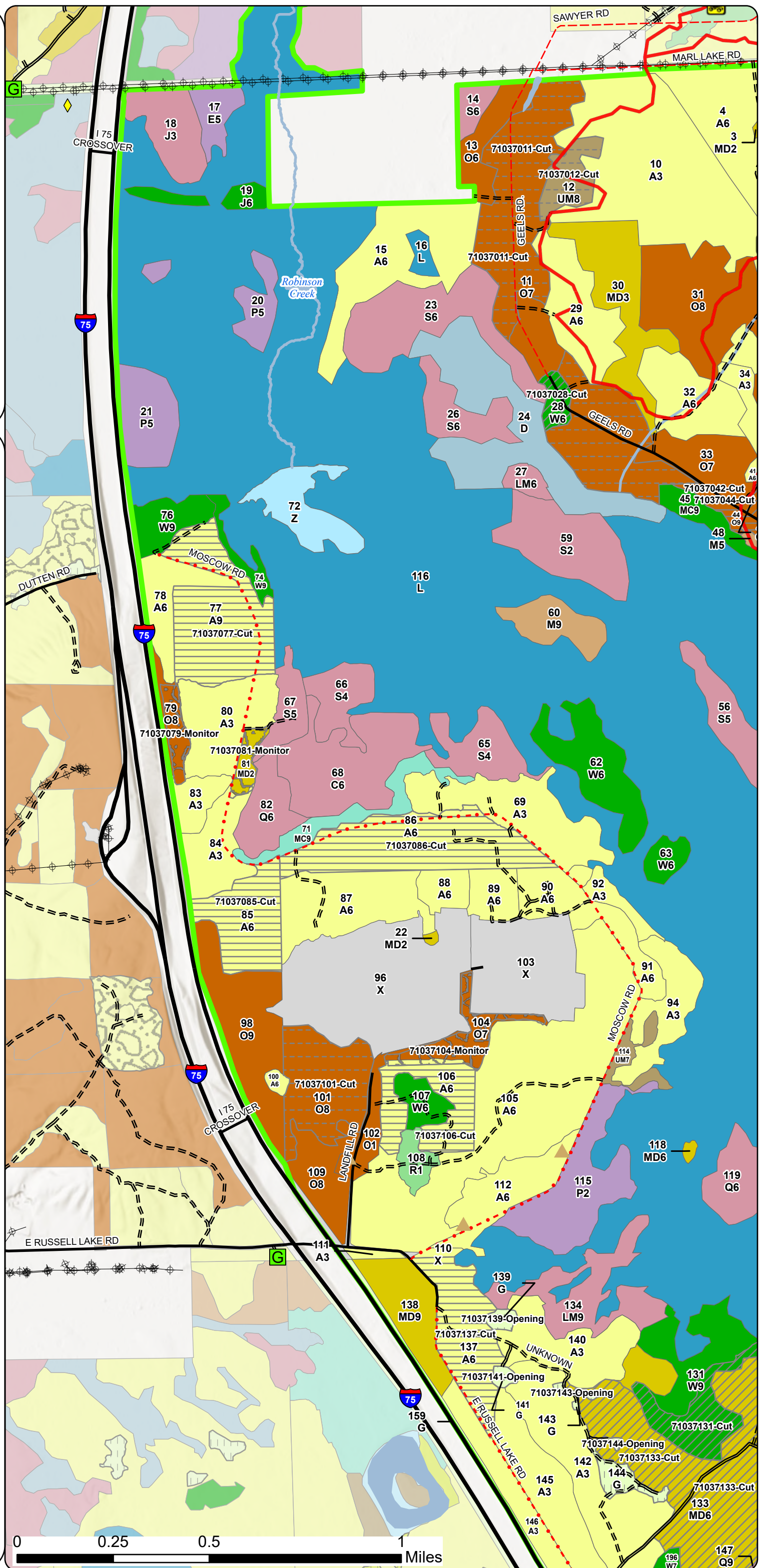
-  Survey Grade Corners
 -  Berm
 -  Gate
 -  Designated Hunter Walking Trails
 -  Designated ATV Trails
 -  DNR - Secondary Forest Road
 -  DNR - Forest Access Route
 -  Federal / State Highway
 -  Federal / State / County - Paved Road
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 -  County - Dirt Road (Seasonal)
 -  Streams
 -  Lakes and Rivers
 -  Electric
 -  Compartment Boundary
 -  Clearcut
 -  Thinning
 -  Overstory Removal
 -  Openings Mgmt.
 -  Monitoring - Regeneration
 -  411 - Northern Hardwood
 -  412 - Oak Types
 -  413 - Aspen
 -  419 - Mixed Upland Deciduous
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 -  422 - Natural Pines
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 -  430 - Upland Mixed Forest
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 -  611 - Lowland Deciduous Forest
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 -  613 - Lowland Mixed Forest
 -  110 - Low Intensity Urban
 -  122 - Road/Parking Lot
 -  310 - Herbaceous Openland
 -  330 - Low Density Trees
 -  622 - Lowland Shrub
 -  629 - Mixed non-forested Wetland



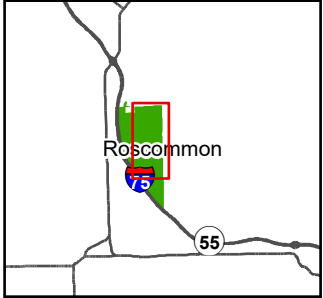
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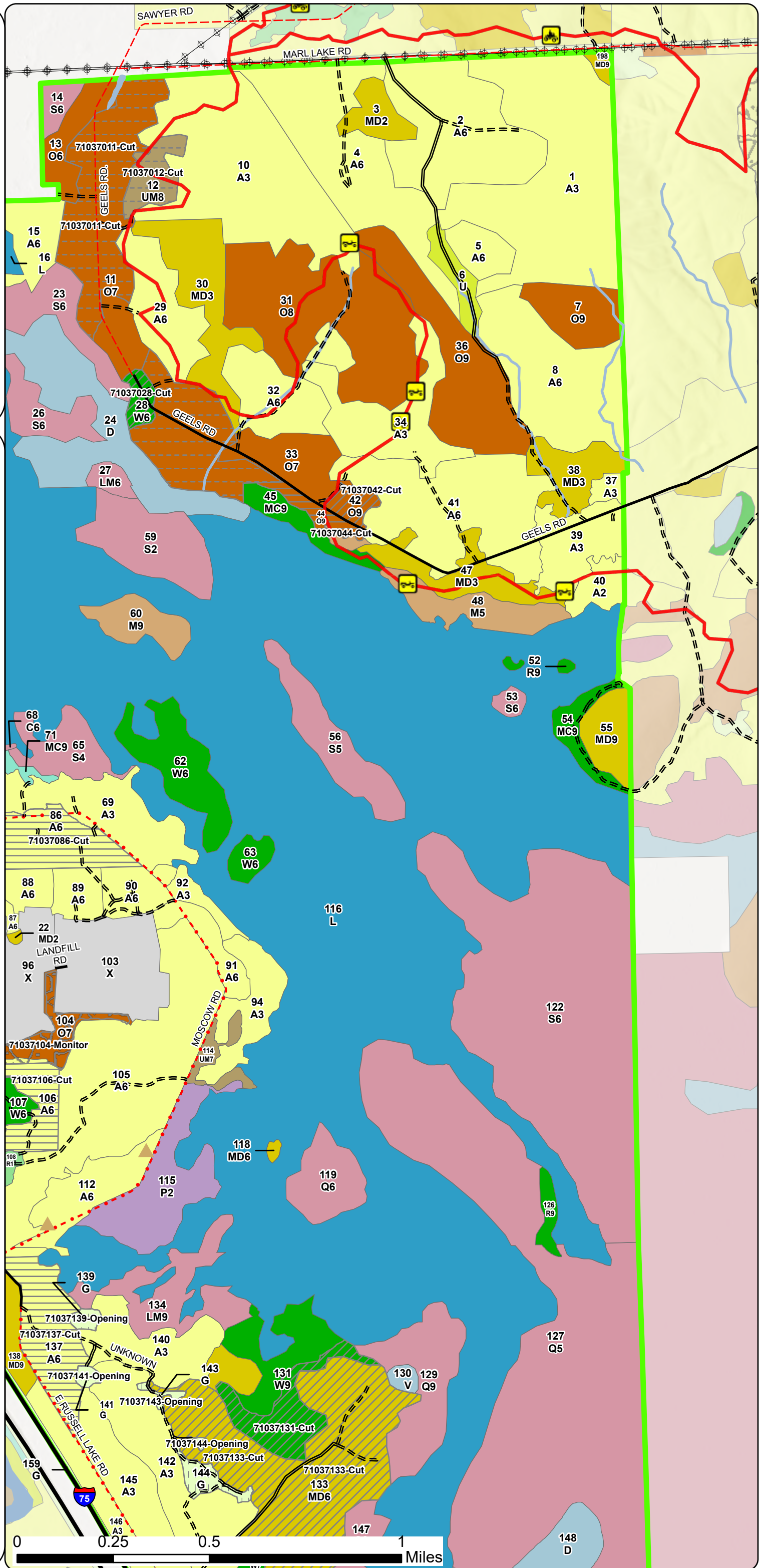
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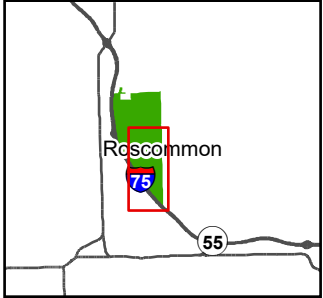
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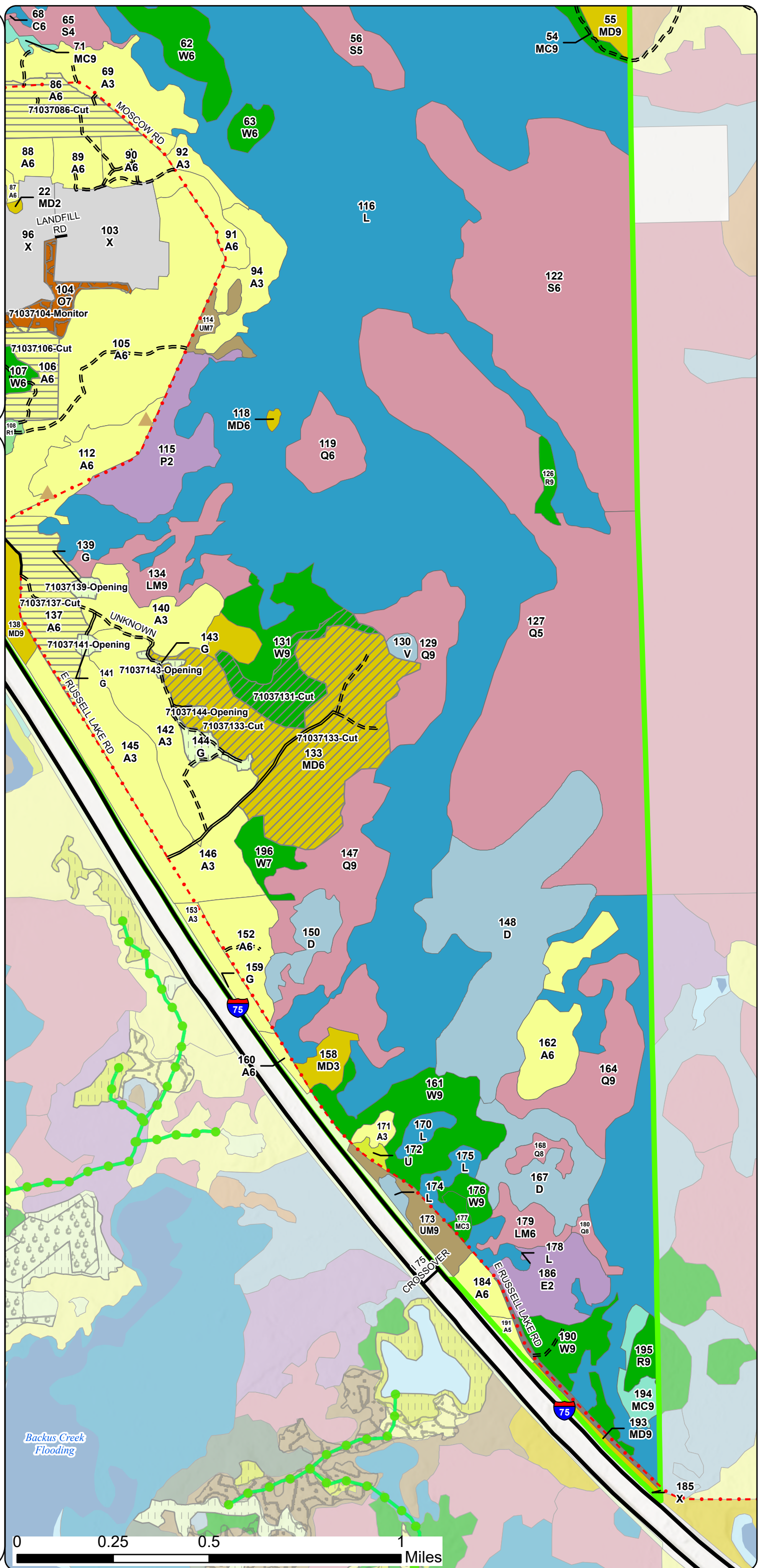
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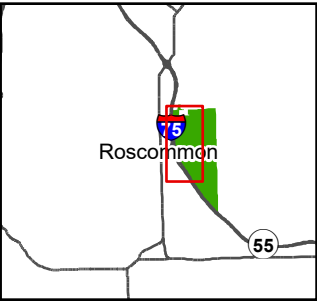


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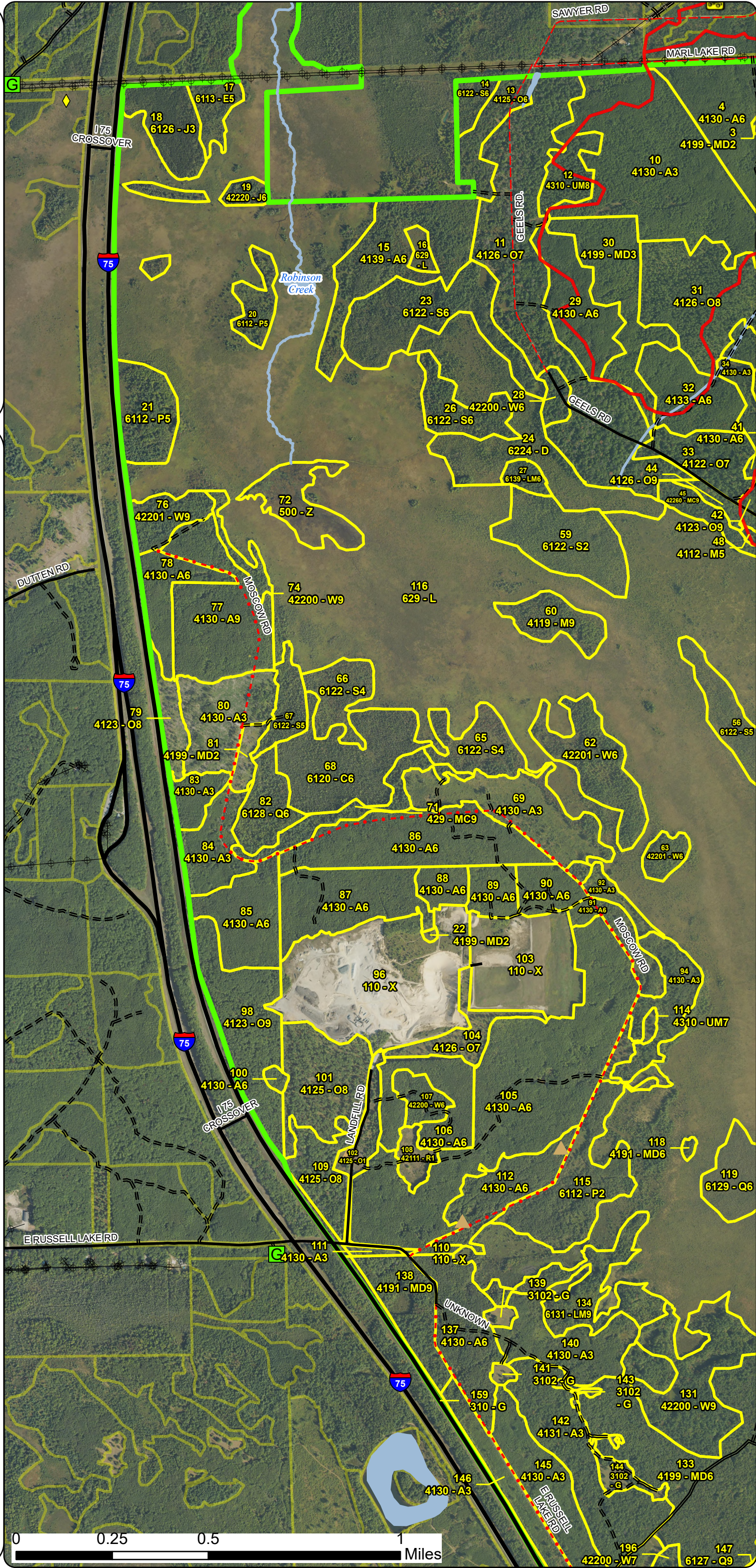


Stand Boundary
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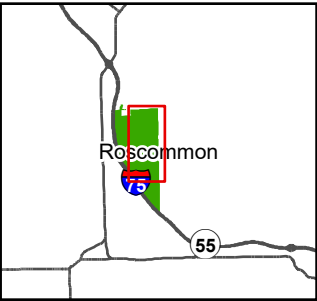


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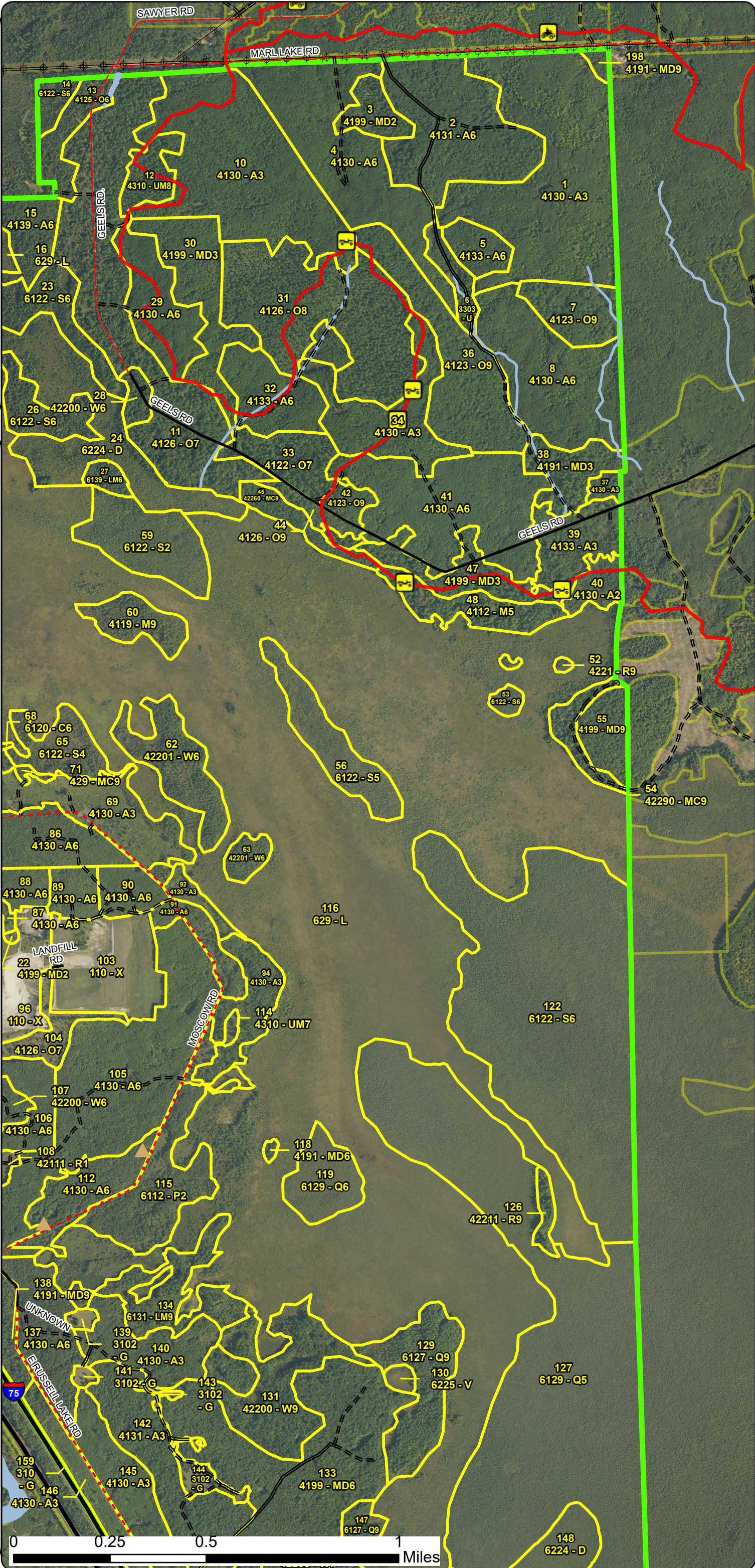


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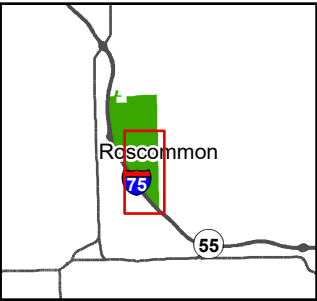


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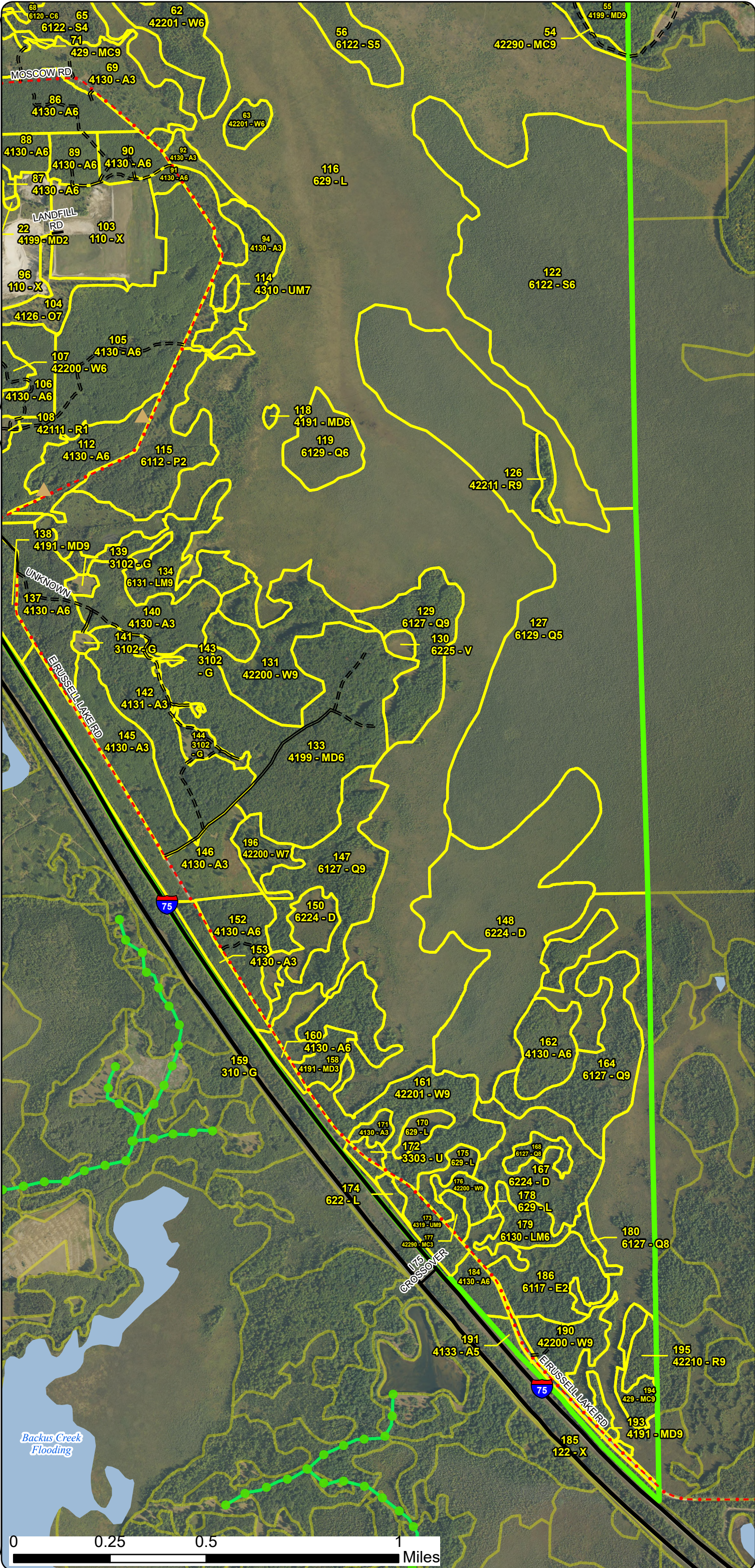


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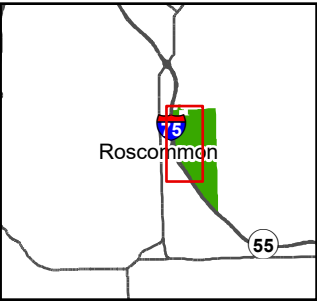


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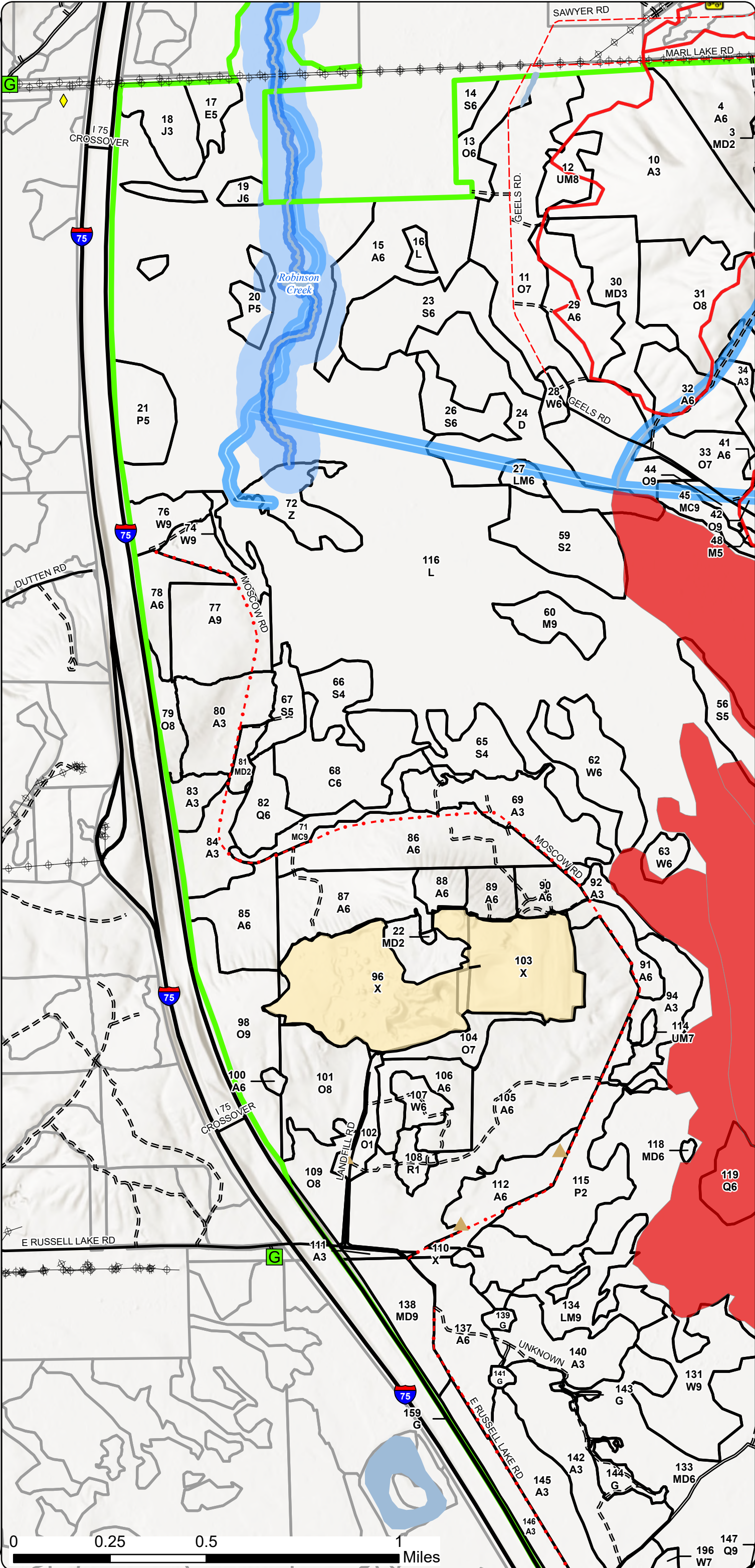


Special Conservation Areas
& Site Conditions Map

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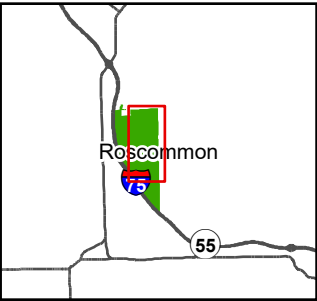


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- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Sand or Gravel Pit

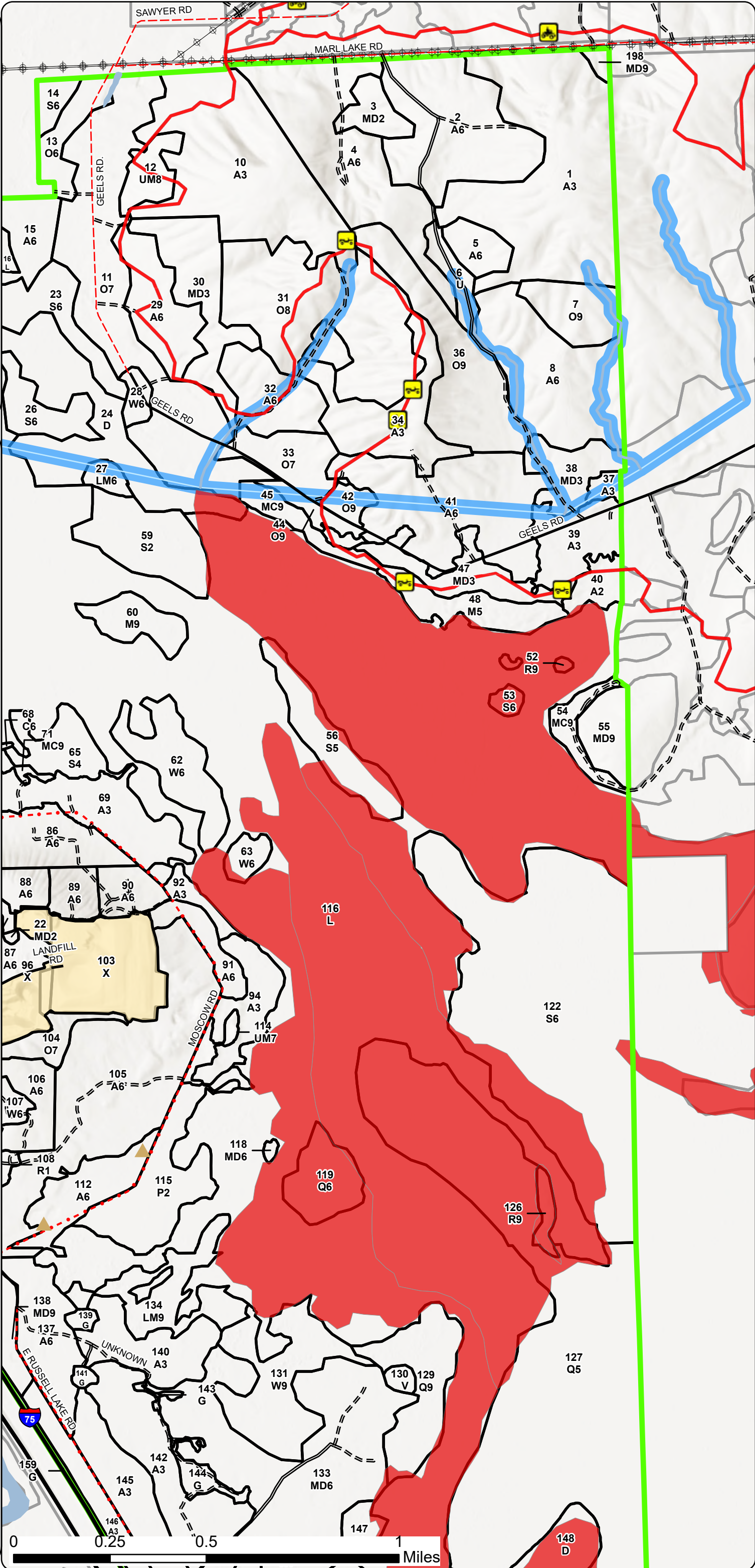


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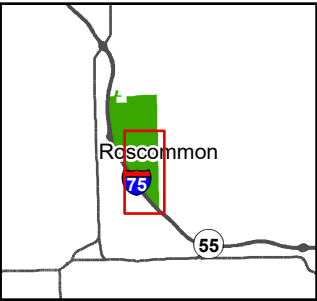


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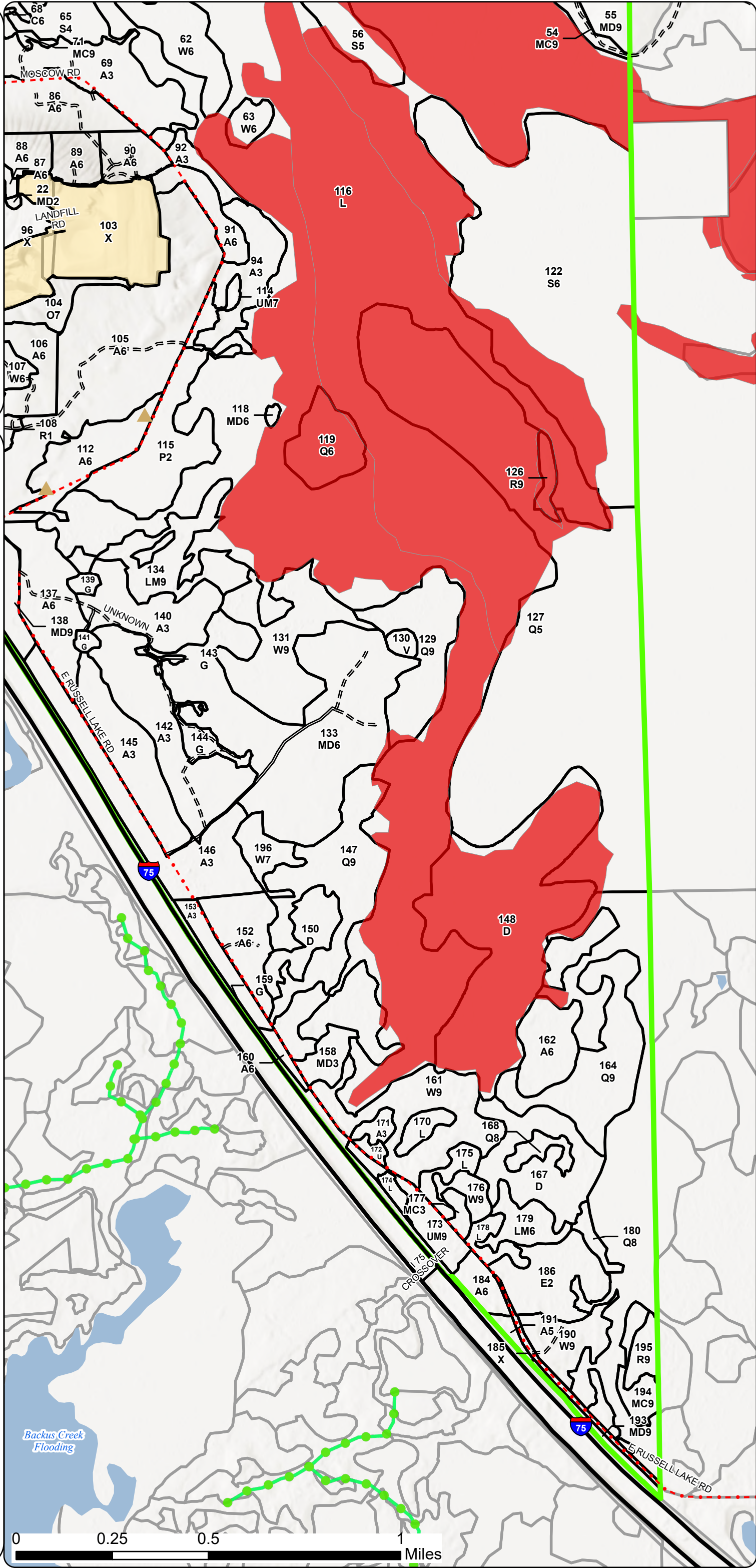


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Report 1 – Total Acres by Cover Type and Age Class



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	79	121	399	519	212	144	51	3	0	0	0	0	0	0	0	0	0	1528
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	45
Herbaceous Openland	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Jack Pine	0	0	0	0	22	0	0	0	0	0	9	0	0	0	0	0	0	0	31
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Aspen/Balsam Poplar	0	0	0	0	40	0	0	23	0	0	13	0	0	0	0	0	0	0	76
Lowland Conifers	0	0	0	0	0	0	46	290	18	110	22	10	0	0	0	0	0	0	496
Lowland Deciduous	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Mixed Forest	0	0	0	0	5	0	0	0	0	12	0	32	0	0	0	0	0	0	49
Lowland Shrub	1845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1845
Lowland Spruce/Fir	0	0	0	0	0	0	0	48	84	16	223	0	0	0	0	12	0	24	407
Mixed Upland Deciduous	0	6	23	29	50	0	0	123	24	5	0	17	3	0	0	0	0	0	280
Natural Mixed Pines	0	0	0	4	0	0	0	0	0	0	12	0	0	0	0	0	0	11	27
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	24	40
Oak	0	0	0	10	0	0	0	16	0	0	50	148	188	11	43	0	0	0	465
Red Pine	0	7	0	0	0	0	0	0	0	0	5	2	7	0	0	0	0	0	21
Treed Bog	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240
Upland Conifers	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	10	26
Upland Mixed Forest	0	0	0	0	0	13	0	0	0	0	0	21	0	0	0	0	0	0	34
Urban	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	0	9	6	0	51	17	0	54	0	0	0	0	0	64	201
Total	2301	92	144	442	675	234	196	551	180	176	350	284	198	11	88	12	0	133	6066



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 37
Total Compartment Acres: 6,064

Commercial Harvest - 240
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 289

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	191	0	0	0	0	0	0	0	0	191
Mixed Upland Deciduous	0	0	0	0	116	0	0	0	0	116
Oak	7	0	0	0	6	138	0	0	0	151
Upland Mixed Forest	0	0	0	0	0	13	0	0	0	13
White Pine	0	0	0	0	29	0	0	0	0	29
Total	198	0	0	0	150	151	0	0	0	499

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	499	0	0	0	0	27	0	0	0	539
Next Step	0	0	0	0	0	198	0	0	0	272
Total	499	0	0	0	0	225	0	0	0	811



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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Proposed Treatments:

11	71037011-Cut	101.4	4126 - White, Black, N. Pin Oak	7	110	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	Yes
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Prescription Cut all trees 5 inches DBH and larger except do not cut any pine or any oak that meet the definition of legacy tree. Exclude areas that don't have much log oak density (one such area is already delineated out of the treatment). Protect pine and oak advancement.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

12	71037012-Cut	13.0	4310 - Pine, Oak Mix	8	48	1-50	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Planting Record	Yes
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Prescription Cut all trees 5 inches DBH and larger, except do not cut any white pine. Protect pine and oak advanced regeneration. Include ATV trail protection specs. Include appropriate oak wilt spec based on oak wilt guidance.

Next Step
Treatments:

Acceptable Moderately stocked stand of white pine, red maple, and mixed oak.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

28	71037028-Cut	5.8	42200 - Natural White Pine	6	56	111-140	Harvest	Thinning	4220 - Natural White Pine	Planting Record	Yes
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Prescription Thin down to about 70-90 BA. Remove suppressed and poor formed trees first, then remove based on spacing to release white pine crowns.
Specs: Include appropriate oak wilt spec based on oak wilt guidance for adjacent stand.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

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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
44 71037044-Cut	6.94126	White, Black, N. Pin Oak	9	99	111-140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	Yes
<u>Prescription</u> Clearcut all trees 5 inches DBH and larger. Leave all white pine and any oak that meet the definition of a legacy tree. No other retention due to small stand size. Protect white pine and oak regeneration. Include ATV trail protection and appropriate oak w <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderately stocked stand of red maple, white pine, and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
77 71037077-Cut	50.8	4130 - Aspen	9	65	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave standard area retention focusing on east aide along lowland edge as necessary for BMPs and/or areas with an oak component. Apply brush pile and drumming log spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked stand of aspen, red maple, and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
79 71037079-Monitor	6.8	4123 - Red Oak	8	120	51-80	Monitoring	Monitoring - Regeneration	4121 - Oak, Aspen		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A mix of oak, aspen and red maple at fully stocked levels. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
81 71037081-Monitor	5.4	4199 - Other Mixed Upland Deciduous	2	5	Immature	Monitoring	Monitoring - Regeneration	413 - Aspen		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen at fully stocked levels. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 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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85 71037085-Cut	29.0	4130 - Aspen	6	52	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees 2 inches DBH and larger, except do not cut any white pine or red pine. Leave standard area retention focused on areas with an oak component. Leave drumming logs. Protect water monitoring wells if any are found in the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen with red maple, oak, and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

86 71037086-Cut	53.3	4130 - Aspen	6	54	Unspecified	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
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Prescription Cut all trees 2 inches DBH and larger, except do not cut any white pine or red pine. Leave standard area retention focused on areas with an oak component. Leave drumming logs. Protect water monitoring wells in the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen mixed with red maple, oak, and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

101 71037101-Cut	36.6	4125 - Black, N. Pin Oak	8	95	51-80	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Cutting Record	No
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Prescription Cut all trees 4 inches DBH and larger, except do not cut any pine. Leave about 1 healthy large crowned white oak per acre where present.

Specs:

Next Step

Treatments:

Acceptable Moderately stocked stand of oak, white pine, red maple and aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

104 71037104-Monitor	15.0	4126 - White, Black, N. Pin Oak	7	101	1-50	Monitoring	Monitoring - Regeneration	412 - Oak Types		No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Mix of oak and pine

Regen:

Other

Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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106 71037106-Cut	24.6	4130 - Aspen	6	51	Unspecified	Harvest	Clearcut	4130 - Aspen	Planting Record	Yes
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Prescription Cut all trees 2 inches DBH and larger. Leave standard area retention focused somewhere on north or west side where there is a pine component. Leave drumming logs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of aspen with some hardwoods and white pine mixed in.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

131 71037131-Cut	22.8	42200 - Natural White Pine	9	102	171-200	Harvest	Thinning	4220 - Natural White Pine	Planting Record	No
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Prescription Use Variable Density Thinning (VDT) as described in the Natural Pine Guidance. Thin stand down to an average of 60-80 BA, but some areas will range from 20-30 BA and maybe even 100 BA. Remove poor formed and suppressed trees and release pole and small I

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

133 71037133-Cut	115.5	4199 - Other Mixed Upland Deciduous	6	61	51-80	Harvest	Thinning	4139 - Aspen, Mixed Deciduous	Planting Record	No
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Prescription Leave pole and small log-sized red maple and oak at a rough spacing of 16x16 or 50-60BA. Leave all white pine. In areas denser to aspen, create some aspen regeneration gaps. Leave area retention focused on the northern pocket separated by the low swale

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

137 71037137-Cut	33.3	4130 - Aspen	6	40	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
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Prescription Cut all trees 2 inches DBH and larger. Leave area retention focused on excluding wet areas and buffering when needed for BMPs. Leave drumming logs and brush piles along lowland edges.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to fully stocked stand of aspen with red maple and some white pine and cherry.

Regen:

Other

Comment:

Site Condition:

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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139	71037139-Opening	2.3	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	3102 - Grass	Previous Inventory	No
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Prescription Opening maintenace, site prep or planting per Wildlife Division's requirements.

Specs:

Next Step Openings Mgmt., Mowing; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;

Treatments: Openings Mgmt., Herbicide; Openings Mgmt., Other - Specify

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

141	71037141-Opening	1.8	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	3102 - Grass	Previous Inventory	No
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Prescription Opening maintenace, site prep or planting per Wildlife Division's requirements.

Specs:

Next Step Openings Mgmt., Mowing; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;

Treatments: Openings Mgmt., Herbicide; Openings Mgmt., Other - Specify

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

143	71037143-Opening	1.4	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	3102 - Grass	Previous Inventory	No
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Prescription Opening maintenace, site prep or planting per Wildlife Division's requirements.

Specs:

Next Step Openings Mgmt., Mowing; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;

Treatments: Openings Mgmt., Herbicide; Openings Mgmt., Other - Specify

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

144	71037144-Opening	6.9	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	3102 - Grass	Previous Inventory	No
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Prescription Opening maintenace, site prep or planting per Wildlife Division's requirements.

Specs:

Next Step Openings Mgmt., Mowing; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Disking/Plowing; Openings Mgmt., Brush Mgmt.;

Treatments: Openings Mgmt., Herbicide; Openings Mgmt., Other - Specify

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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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Approved Treatments:

42	71037042-Cut	6.2	4123 - Red Oak	9	99	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Thin to 90 SF and open up 3 or 4 regeneration holes scattered thru-out the stand, Individual tree marking, No spec cut on aspen/RM <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Add trail protection specs for ORV trail, WLD marked some den trees to leave with green paint <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											

Total Treatment
Acreage Proposed: **538.8**



Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions				
					5B	2G	2H	5E
1450	1411	0	39	Aspen			30	9
3	3	0	0	Bog				
45	0	0	45	Cedar		45		
34	34	0	0	Herbaceous Openland				
30	0	0	30	Jack Pine		22	9	
12	12	0	0	Low-Density Trees				
76	40	0	36	Lowland Aspen/Balsam Poplar			36	
495	0	0	495	Lowland Conifers		468	28	
39	39	0	0	Lowland Deciduous				
49	32	0	17	Lowland Mixed Forest		17		
1845	1845	0	0	Lowland Shrub				
407	52	0	356	Lowland Spruce/Fir		353	3	
146	117	16	13	Mixed Upland Deciduous	16		1	12
26	26	0	0	Natural Mixed Pines				
40	24	0	16	Northern Hardwood			16	
456	453	0	3	Oak				3
21	7	0	14	Red Pine			14	
240	240	0	0	Treed Bog				
26	16	0	10	Upland Conifers			10	
34	34	0	0	Upland Mixed Forest				
145	145	0	0	Urban				
22	22	0	0	Water				
192	152	0	39	White Pine		2	38	
5,835	4,704	16	1,114	Total Forested Acres	16	906	185	24
	81%	0%	19%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions



4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	542	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



13	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	110	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention left from 2010 cut							

Report 4 – Site Conditions



50	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: blocked by lowland terrain and I-75							
52	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: major road work on 2T to north to make it passable to trucks							
55	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	111	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**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
Rieth-Riley Construction Co.	Mineral Resource Area	Sand or Gravel Pit	SCA	122
Comments				
No Site Condition				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
7	4123 - Red Oak	Sawtimber Well	21.2	108	81-110	N/A	All aspen removed 1992. BA is variable, with some more open areas in the canopy. Several small islands of aspen in the understory pushing towards the canopy.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>85</td><td>Log</td><td>14</td><td>108</td></tr><tr><td>White Oak</td><td>15</td><td>Log</td><td>14</td><td></td></tr></table>					Canopy Species	% Cover		Size Class	DBH	Age	Red Oak	85	Log	14	108	White Oak	15	Log	14		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Bigtooth Aspen</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Beech</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	High	Variable	Variable	Bigtooth Aspen	Medium	>20 feet	>20 feet	Beech	Low	5 - 10 feet	5 - 10 feet																					
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8	4130 - Aspen	Poletimber Well	64.4	34	1-50	N/A	SW part cut 1990, but the rest cut 1992																																																					
<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/Pole</td><td>3</td><td></td></tr><tr><td>Quaking Aspen</td><td>60</td><td>Pole/Sapling</td><td>5</td><td>34</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Pole</td><td>6</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling/Pole	3		Quaking Aspen	60	Pole/Sapling	5	34	Bigtooth Aspen	10	Sapling	3		Black/Red (Hybrid) Oak	10	Sapling	3		White Pine	10	Pole	6																											
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10	4130 - Aspen	Sapling Well	101.3	26	Unspecified	N/A	Cut 2000. Pockets of oak																																																					
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Red Maple	13	Sapling	2	26																																																								
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11	4126 - White, Black, N. Pin Oak	Sawtimber Poor	113.5	110	1-50	N/A	Timber sale completed in 2001. Mixed red maple, oak, and white pine regen.																																																					
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Canopy Species	% Cover	Size Class	DBH	Age																																																								
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Red Maple	High	>20 feet	>20 feet																																																									
Black/Red (Hybrid) Oak	Medium	Variable	Variable																																																									
12	4310 - Pine, Oak Mix	Sawtimber Medium	13.0	48	1-50	N/A	cut 2010.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4125 - Black, N. Pin Oak	Poletimber Well	16.0	63	51-80	N/A	All aspen and red maple were removed in 2001. The undersory oak were left within the sale.
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
Red Maple 10 Sapling/Pole 4 25		Bigtooth Aspen High 5 - 10 feet 5 - 10 feet					
Black/Red (Hybrid) Oak 86 Pole/Log 8 63		Witch Hazel Low 5 - 10 feet 5 - 10 feet					
White Pine 1 Pole/Sap/Log 7		White Pine Low Variable Variable					
Red Pine 1 Log/Pole 10		Balsam Fir Low Variable Variable					
Balsam Fir 1 Pole 6		Red Maple High 10 - 20 feet 10 - 20 feet					
White Oak 1 Pole 5							
14	6122 - Black Spruce	Poletimber Well	6.7	80	Unspecified	N/A	It looks like this stand was at least partially harvested in 2001.
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
Black Spruce 92 Pole/Sapling 6 80		Black Spruce Medium Variable Variable					
White Pine 2 Log/Pole 12		Red Maple Medium Variable Variable					
Red Pine 1 Log 12							
Red Maple 5 Pole/Sapling 5 25							
15	4139 - Aspen, Mixed Deciduous	Poletimber Well	47.0	46	Unspecified	N/A	Cut 1980. East part of stand is mostly red maple and oak, and the rest is mostly quaking aspen with red maple.
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
Red Maple 20 Pole/Sapling 6 46		Pin Cherry Low 5 - 10 feet 5 - 10 feet					
Black/Red (Hybrid) Oak 15 Pole/Log 9		Red Maple Medium Variable Variable					
Quaking Aspen 55 Pole 6 46		Balsam Fir Low Variable Variable					
White Pine 7 Log/Pole 10		White Pine Low Variable Variable					
Balsam Fir 3 Pole 6		Tag Alder Low 5 - 10 feet 5 - 10 feet					
16	629 - Mixed non-forested Wetland	None	3.9			No	Some white pine seeding in.
17	6113 - Lowland Maple	Poletimber Medium	10.2	39		N/A	
Canopy Species % Cover Size Class DBH Age		Sub-Canopy Species Density Avg. Height Size					
White Pine 5 Log/Pole 12		Tag Alder Full 5 - 10 feet 5 - 10 feet					
Quaking Aspen 10 Pole/Sapling 5							
Red Maple 60 Pole/Sapling 6 39							
Black/Red (Hybrid) Oak 25 Pole/Log 8							
18	6126 - Lowland Jack Pine	Sapling Well	21.7	34	Unspecified	N/A	Cut winter 1991 and seeded in 1992
Canopy Species % Cover Size Class DBH Age							
Jack Pine 98 Sapling/Pole 4 34							
Red Maple 1 Pole/Sapling 6							
Tamarack 1 Pole/Sapling 5							



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
27	6139 - Mixed Lowland Forest	Poletimber Well	5.0	38	Unspecified	N/A	Records show this stand was hand cut by a DNR laborer in winter 1988.																																		
28	42200 - Natural White Pine	Poletimber Well	5.8	56	111-140	N/A	Mixed white pine, red pine, and oak.																																		
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29	4130 - Aspen	Poletimber Well	30.4	36	Unspecified	N/A	cut fall 1990.																																		
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30	4199 - Other Mixed Upland Deciduous	Sapling Well	37.7	36	1-50	N/A	Cut fall 1990. Not much growth. Maple is strump sprout origin. The north part of the stand goes up a hill and the quality gets better.																																		
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31	4126 - White, Black, N. Pin Oak	Sawtimber Medium	89.6	108	1-50	N/A	Cut 2010. Main regeneration was red maple and witch hazel. Some oak and white pine came back, too.																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
32	4133 - Aspen, Mixed Pine	Poletimber Well	33.6	44	Unspecified	N/A	Transitions to more white pine in the south and the multipart to the northeast.																																													
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33	4122 - Oak, Pine	Sawtimber Poor	21.9	108	1-50	N/A	Cut 2010. Mostly red maple stump sprouts regenerated.																																													
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34	4130 - Aspen	Sapling Well	40.1	26	Unspecified	N/A	Cut 2000. Has an old landing in the western arm. The arm that goes up to the northeast follows a ridgeline. A few smaller beech were left in there. There are pockets in the stand without aspen. These areas are mostly red maple stump sprouts with about 10-20% oak.																																													
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36	4123 - Red Oak	Sawtimber Well	53.7	110	51-80	N/A	Aspen and red maple were cut out of the main part of the stand in 1981 and out of the northern finger in 1990. Stocking of red maple is now high in the understory and starting to grow up into the canopy.																																													
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37	4130 - Aspen	Sapling Well	3.7	24	Immature	N/A	Cut summer 2002 with good regeneration success. Scattered oaks left for mast trees.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
38	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	19.7	24	Immature	N/A	Cut summer of 2002 with mixed regeneration success. Scattered oaks left as mast trees. Trenched then planted to red pine in 2009. Low survivability of red pine and many red pine pockets are overtopped.																																																										
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39	4133 - Aspen, Mixed Pine	Sapling Well	25.8	24	Immature	N/A	cut summer 2002, left scattered oak mast trees when cut; regeneration was only partially successful so the more open areas of the stand were trenched/planted to red pine in 2009.																																																										
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40	4130 - Aspen	Sapling Medium	9.9	24	Immature	N/A	Cut in 2002 with poor results initially but slowly filling in. Aspen on higher ground and mix of sparse aspen, maple, and white pine on the lower ground. Transition zone which gets wetter as it goes south.																																																										
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41	4130 - Aspen	Poletimber Well	77.1	37	51-80	N/A	Cut 1989. High potential to grow nice sawlogs.																																																										
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MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
42	4123 - Red Oak	Sawtimber Well	6.2	99	111-140	N/A	Stand already set up as a timber sale.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		5	Pole	8		Red Maple	Trace	Variable	Variable
Red Maple		25	Pole	6		White Pine	Low	Variable	Variable
White Oak		15	Log/Pole	11	99	White Oak	Trace	< 5 feet	< 5 feet
Red Oak		55	Log/Pole/XLog	13	99	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
44	4126 - White, Black, N. Pin Oak	Sawtimber Well	6.9	99	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole/Log	8		White Pine	Medium	10 - 20 feet	10 - 20 feet
White Oak		50	XLog/Log	20	99	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		30	XLog/Log	18	99	White Oak	Medium	5 - 10 feet	5 - 10 feet
45	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	11.7	99	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		3	Pole/Log	8		Red Maple	Low	10 - 20 feet	10 - 20 feet
Paper Birch		1	Pole/Log	8		White Pine	Medium	Variable	Variable
Red Maple		20	Log/Pole	10					
White Oak		6	XLog/Log	19	99				
Black/Red (Hybrid) Oak		10	XLog/Log	20	99				
Red Pine		2	Log	12					
White Pine		58	Log/Pole/XLog	12	99				
47	4199 - Other Mixed Upland Deciduous	Sapling Well	23.4	16	1-50	N/A	Cut summer 2010 - left oak and pine. Stand is very close to having to feature the sawlog size class as the canopy, but overall it looks like there's enough canopy coverage of saplings to call that the main canopy.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		22	Log/XLog	16	106	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Oak		5	XLog/Log	18	106	Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Red Pine		1	Pole/Log	8		White Pine	Low	Variable	Variable
White Pine		3	Log	12					
Quaking Aspen		5	Sapling	3	16				
Bigtooth Aspen		5	Sapling/Pole	3	16				
Black/Red (Hybrid) Oak		5	Sapling	2					
White Oak		5	Sapling	3					
Red Maple		44	Sapling	2	16				
White Pine		5	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
48	4112 - Maple, Beech, Cherry Association Poletimber Medium	24.0	106	1-50		N/A	Open grown red maple sawlog clumps with pockets of poles and saplings filling in. Highly variable in density and size classes.																																																																																	
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52	4221 - Natural Red Pine	Sawtimber Well	1.8	102	81-110	N/A	SMALL ISLAND SURROUNDED BY MARSH, HIGH WATER TABLE, NOT ACCESSIBLE FOR MANAGEMENT																																																																																	
53	6122 - Black Spruce	Poletimber Well	3.3	66	Unspecified	N/A	Did not visit stand. Kept old stand examiner's data.Old comments: concentration of black spruce poles surrounded by marsh																																																																																	
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54	42290 - Natural Mixed Pine	Sawtimber Well	10.9	102	81-110	N/A	Narrow strip stand transitioning from uplands to the large lowland complex.																																																																																	
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55	4199 - Other Mixed Upland Deciduous	Sawtimber Well	16.0	102	81-110	N/A	Sale was cut in fall of 2012 by Dyers Sawmill and Paul Burns Logging. 71-025-09-01. Northwest corner has most of the pine and aspen.																																																																																	
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56	6122 - Black Spruce	Poletimber Medium	28.9	79	Unspecified	N/A	Island of trees within large bog/fen/muskeg complex (9 Mile complex ERA)																																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
59	6122 - Black Spruce	Sapling Medium	35.2	74	Unspecified	N/A	Did not visit stand. Kept old stand examiner's data.Old comments: North half of stand had all species cut to 1 inch by chainsaw except for cedar in a habitat cut done in 1988. The stand is just slightly higher elevated mound in the middle of a leatherleaf bog. There still is some leatherleaf and tag alder in amongst stand's ground cover. The site is just poor quality resulting in slow growing, stunted trees. The tree bored was just 30 foot tall. Dense regeneration though of mixed species.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>67</td><td>Sapling/Pole</td><td>4</td><td>74</td></tr><tr><td>Northern White Cedar</td><td>3</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Tamarack</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>White Pine</td><td>20</td><td>Sapling</td><td>3</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Spruce	67	Sapling/Pole	4	74	Northern White Cedar	3	Pole	6		Tamarack	10	Sapling	2		White Pine	20	Sapling	3		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Spruce</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Tamarack</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Black Spruce	High	Variable	Variable	Tamarack	Low	Variable	Variable					
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60	4119 - Mixed Northern Hardwoods	Sawtimber Well	16.1	99	51-80	N/A	Did not visit stand. Kept old stand examiner's data.Old comments: Lowland hardwood stand on a slight mound in the middle of a bog. The hardwood is not regenerating with just a trace in the sub-canopy. Rather it is mostly dense fir and pine mix. The east end of the stand is light on regeneration but gets dense as go to the west. Small pcket of cedat on perimeter, Will eventually convert to a pine/fir mix. Not much for in the overstory but full in the sub-canopy.																																											
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62	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	30.6	77	81-110	N/A	Looked across bog. Previous notes: An older hardwood stand converting to white pine. The red maple, paper birch, and a trace of oak are larger pulp size to log, but no regeneration of it in sub-canopy. Dense white pine with some fir. The pine is just out of sapling size to pulp. Open areas just pine saplings. Some large white pine in log size on perimeter, but not much.																																											
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63	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	6.9	103	81-110	N/A	Looked across bog.Old comments: White pine stand with it being heaviest around the perimeter and grading into more red maple and paper birch towards the center. Regeneration is mainly heavy white pine with some red maple. It's an island in the middle of a leatherleaf bog and can't be reached for harvest.																																											
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65	6122 - Black Spruce	Poletimber Poor	19.8	70	1-50	N/A	Looked from edge and kept old data.Old comments: On the upper end of the canopy closure. The southern 1/3rd of the stand is a transition zone from higher aspen site to the lower soils of the cedar/spruce. Find small amounts of aspen here with red maple, white pine, and black spruce. Regeneration pretty much is just maple. As go north find mostly spruce regeneration mixed with heavy tag alder, canaary grass, and some maple.																																											
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66	6122 - Black Spruce	Poletimber Poor	16.4	82	1-50	N/A	Was not able to visit stand, but used an edge call to retain previous examiner's data.Old comments: Poor quality stand with high water table evident by the sea of tag alder and and canary grass in the understory. Just barely a forested stand. Regeneration is light for the spruce and just trace for the other overstory species. May eventually lose more of the overstory falling out of the forested type. The most canopy closure is found in the eastern half.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
67	6122 - Black Spruce	Poletimber Medium	11.8	142	51-80	N/A	Black spruce stand on the line between being pole or a saw log class stand. The main regeneration is spruce in the understory. The ground cover shows leatherleaf with tag alder also. It would be a harder spruce stand to harvest because the ground shows signs of a higher water table than some other spruce stands in the area. It's regenerating on its own nicely. Heavy spruce on the narrow upper ridge (30-50 foot wide) where a 2 track is for about 200 feet and then ends. The ground is low on either side of ridge and the basal area decreases also. Pick up heavy tag alder and some cedar.																																																									
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68	6120 - Lowland Cedar	Poletimber Well	45.3	130	111-140	N/A	Cedar stand with dense balsam fir regeneration. Walked a small loop through the stand.																																																									
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69	4130 - Aspen	Sapling Well	39.6	7	Immature	N/A	Cut winter 2019																																																									
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Quaking Aspen	62	Sapling	1	7																																																												
71	429 - Mixed Upland Conifers	Sawtimber Well	16.4	83	111-140	N/A	Natural pine stand with numerous supercanopy white pine and some red pine. The stand grades downhill from the south to north to wet ground. The super-canopy trees are along the northern third. The southern part has more maple, aspen, and some oak.																																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>15</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>53</td><td>Log/XLog/Pole</td><td>16</td><td>83</td></tr><tr><td>Red Pine</td><td>5</td><td>XLog/Log</td><td>20</td><td></td></tr><tr><td>Red Oak</td><td>2</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	15	Pole/Log	8		Bigtooth Aspen	15	Pole	7		Black Spruce	5	Pole	8		White Pine	53	Log/XLog/Pole	16	83	Red Pine	5	XLog/Log	20		Red Oak	2	Pole/Log	8		Balsam Fir	5	Pole	7		<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>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Balsam Fir	Medium	Variable	Variable	White Pine	Low	Variable	Variable	Black Spruce	Low	Variable	Variable
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72	500 - Water	None	21.5			No																																																										





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
81	4199 - Other Mixed Upland Deciduous	Sapling Medium	5.7	5	Immature	N/A	Cut in 2021																																																				
<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>20</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>2</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Red Maple</td><td>3</td><td>Pole</td><td>5</td><td></td></tr><tr><td>White Pine</td><td>1</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Pin Cherry</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>25</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>Red Maple</td><td>39</td><td>Sapling</td><td>1</td><td>5</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	20	Sapling	1	6	Black/Red (Hybrid) Oak	2	Pole	6		Red Maple	3	Pole	5		White Pine	1	Sapling	3		Pin Cherry	10	Sapling	1		Black/Red (Hybrid) Oak	25	Sapling	1	5	Red Maple	39	Sapling	1	5												
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82	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.5	70	51-80	N/A																																																					
<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>38</td><td>Pole/Log</td><td>9</td><td>70</td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Log/Pole</td><td>11</td><td></td></tr><tr><td>Paper Birch</td><td>1</td><td>Log/Pole</td><td>11</td><td></td></tr><tr><td>White Pine</td><td>1</td><td>XLog</td><td>30</td><td></td></tr><tr><td>Balsam Fir</td><td>37</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>3</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Tamarack</td><td>15</td><td>Log/Pole</td><td>11</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	38	Pole/Log	9	70	Northern White Cedar	5	Log/Pole	11		Paper Birch	1	Log/Pole	11		White Pine	1	XLog	30		Balsam Fir	37	Pole	6		Black Spruce	3	Pole	8		Tamarack	15	Log/Pole	11		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Variable	Tag Alder	High	5 - 10 feet	5 - 10 feet
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83	4130 - Aspen	Sapling Well	9.7	27	Immature	N/A	Cut Spring 1999.																																																				
<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>45</td><td>Pole/Sapling</td><td>5</td><td>27</td></tr><tr><td>Bigtooth Aspen</td><td>45</td><td>Pole/Sapling</td><td>6</td><td>27</td></tr><tr><td>Black Cherry</td><td>1</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Red Maple</td><td>9</td><td>Sapling/Pole</td><td>4</td><td>27</td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	45	Pole/Sapling	5	27	Bigtooth Aspen	45	Pole/Sapling	6	27	Black Cherry	1	Sapling/Pole	4		Red Maple	9	Sapling/Pole	4	27	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	>20 feet	>20 feet	Pin Cherry	Low	5 - 10 feet	5 - 10 feet															
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84	4130 - Aspen	Sapling Well	20.9	17	Immature	N/A																																																					
<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>75</td><td>Sapling</td><td>2</td><td>17</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>9</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td>Log</td><td>16</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	75	Sapling	2	17	Bigtooth Aspen	10	Sapling	2		Red Maple	9	Sapling	1		Black/Red (Hybrid) Oak	5	Sapling	2		Black/Red (Hybrid) Oak	1	Log	16																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
85	4130 - Aspen	Poletimber Well	29.0	52	51-80	N/A	Steadily slopes down from south to north. Stand still has some good growth potential. North end has some bigger trees.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	78	Pole/Log	8	52	Red Maple	High		>20 feet	>20 feet
Quaking Aspen	10	Pole	6		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Red Oak	10	Pole	7						
Red Maple	2	Pole	5						
86	4130 - Aspen	Poletimber Well	53.3	54	Unspecified	N/A	Clearcut in 1972. Very good quality bigtooth aspen. This stand starts at base of a big hill at the south end and slightly tapers down to the north towards lower ground. There is a sawlog size stand of red pine inclusion at the northeast corner of the stand with understory of red maple and some aspen. About three acres.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Pole	6		White Pine	Low		Variable	Variable
Bigtooth Aspen	85	Pole/Log	9	54	Balsam Fir	Low		10 - 20 feet	10 - 20 feet
Red Oak	3	Pole/Log	8		Red Maple	Medium		>20 feet	>20 feet
White Pine	1	Log/Pole/XLog	12						
Red Pine	1	Log/Pole	14						
87	4130 - Aspen	Poletimber Well	37.8	30	Unspecified	N/A	Clearcut form 1996. Terrain is steep in with multiple ravines/ridges. Water monitoring wells present.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	12	Sapling/Pole	3		Balsam Fir	Trace		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	85	Pole/Sapling	5	30	Red Maple	Medium		10 - 20 feet	10 - 20 feet
Red Oak	2	Pole/Sapling	5		White Pine	Low		Variable	Variable
White Pine	1	Pole/Sap/Log	6		Beech	Trace		5 - 10 feet	5 - 10 feet
88	4130 - Aspen	Poletimber Well	8.6	40	Unspecified	N/A	Clearcut from the fall of 1986. The stand slopes downward to the north and has a very steep slope along the north line splitting this stand from the one to the north.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Red Maple	High		>20 feet	>20 feet
Bigtooth Aspen	94	Pole	7	40					
Red Oak	1	Pole	7						
89	4130 - Aspen	Poletimber Well	10.8	49	Unspecified	N/A	Clearcut in 1977. 2 monitoring wells in stand. The terrain slopes moderately to steeply downward from south to north.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole	6		Red Maple	Medium		>20 feet	>20 feet
Bigtooth Aspen	91	Pole/Log	8	49					
White Pine	2	Log	12						
Red Oak	2	Pole/Log	8						
90	4130 - Aspen	Poletimber Well	12.4	39	Unspecified	N/A	Cut in the fall of 1987. Found a few monitoring wells in stand because of the adjacent landfill.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	7	Pole/Sapling	5		White Pine	Low		Variable	Variable
Bigtooth Aspen	93	Pole/Sap/Log	7	39	Red Maple	Medium		10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
91	4130 - Aspen	Poletimber Well	14.4	30	Unspecified	N/A	Clearcut in 1996.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		84	Pole/Sapling	5	30	White Oak	Low	Variable	Variable
Black/Red (Hybrid) Oak		5	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	Variable	Variable
Bigtooth Aspen		3	Pole/Sapling	5	30	Pin Cherry	Medium	Variable	Variable
Black Cherry		2	Sapling/Pole	4		White Pine	Low	Variable	Variable
Red Maple		5	Sapling/Pole	4					
White Oak		1	Sapling/Pole	4					
92	4130 - Aspen	Sapling Well	6.6	7	Immature	N/A	Final harvested winter 2019.		
Canopy Species		% Cover	Size Class	DBH	Age				
Black/Red (Hybrid) Oak		2	Sapling	1					
Bigtooth Aspen		88	Sapling	1	7				
Red Maple		10	Sapling	1	7				
94	4130 - Aspen	Sapling Well	23.1	16	Immature	N/A	Cut summer/fall 2010, left scattered white pine poles and sawlogs.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Pine		10	Log/Pole/Sap	12					
Red Maple		20	Sapling	2	16				
Quaking Aspen		70	Sapling	2	16				
96	110 - Low Intensity Urban	None	89.7				Active gravel pit on long-term lease to Reith-Reilly Company.		
98	4123 - Red Oak	Sawtimber Well	43.0	130	81-110	N/A	Red oak stand that was thinned in 2008. Stand has lower quality to the south. Heavy red maple understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		65	Log/Pole	11	130	Red Maple	High	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		30	Log/Pole	12		Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet
White Oak		3	Log/Pole	10		Beech	Low	5 - 10 feet	5 - 10 feet
Red Pine		1	Log/Pole	12		White Pine	Low	5 - 10 feet	5 - 10 feet
Red Maple		1	Pole	7		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
						White Oak	Low	5 - 10 feet	5 - 10 feet
100	4130 - Aspen	Poletimber Well	1.9	52	1-50	N/A	Small pocket of bigtooth with white pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Pine		15	Pole/Sapling	6					
Bigtooth Aspen		85	Pole	8	52				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
101	4125 - Black, N. Pin Oak	Sawtimber Medium	36.6	95	51-80	N/A	Stand was thinned down to around 70 basal area in summer of 2018 under sale "Landfill Oak". Good oak regeneration mostly under 5 ft.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		85	Log/Pole	12	95	White Oak		Medium	< 5 feet	< 5 feet
White Oak		5	Log/Pole	10		White Pine		Low	Variable	Variable
White Pine		10	Pole	8		Red Pine		Trace	5 - 10 feet	5 - 10 feet
						Bigtooth Aspen		Low	10 - 20 feet	10 - 20 feet
						Black/Red (Hybrid) Oak		High	< 5 feet	< 5 feet
						Red Maple		Low	5 - 10 feet	5 - 10 feet
102	4125 - Black, N. Pin Oak	Sapling Poor	10.2	29	Immature	N/A	Was part of an aspen clearcut done in 1997 and part of the stand looks to be an old landing.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		25	Sapling	1		Northern Pin Oak		Medium		
Black/Red (Hybrid) Oak		75	Sapling/Pole	3	29	White Pine		Low		
103	110 - Low Intensity Urban	None	45.5				Closed/capped Roscommon County Landfill. Fenced perimeter with numerous monitoring wells within the enclosure as well as outside in adjacent stands.			
104	4126 - White, Black, N. Pin Oak	Sawtimber Poor	14.8	101	1-50	N/A	Oak stand that is on the edge of the old county landfill. Under a long-term land use easement to Reith-Reilly for the gravel pit. Seed tree harvest in summer/fall of 2018 under sale "Landfill Oak".			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		35	Log	14		White Pine		Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		64	Log	14	101	Red Maple		Low	5 - 10 feet	5 - 10 feet
Red Pine		1	Log	12		Bigtooth Aspen		Low	5 - 10 feet	5 - 10 feet
						White Oak		Low	< 5 feet	< 5 feet
						Beech		Trace	< 5 feet	< 5 feet
						Black/Red (Hybrid) Oak		Medium	< 5 feet	< 5 feet
105	4130 - Aspen	Poletimber Well	131.2	38	171-200	N/A	Aspen clearcut done in the later part of 1988. A couple of open grass pockets at the north end about 3/4 acres total.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Sapling/Pole	4		Pin Cherry		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		90	Pole	7	38	Black/Red (Hybrid) Oak		Low	Variable	Variable
Quaking Aspen		5	Pole	7		White Pine		Low	Variable	Variable
						White Oak		Low	Variable	Variable
						Red Maple		Medium	10 - 20 feet	10 - 20 feet
106	4130 - Aspen	Poletimber Well	26.2	51	Unspecified	N/A	Stand was clearcut in 1975. The aspen is good quality.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Pole	7		White Pine		Low	Variable	Variable
Bigtooth Aspen		92	Pole/Log	8	51	Black/Red (Hybrid) Oak		Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak		1	Pole/Log	8		Red Maple		Medium	>20 feet	>20 feet
White Pine		2	Log/Pole	10		Witch Hazel		Low	5 - 10 feet	5 - 10 feet



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
107	42200 - Natural White Pine	Poletimber Well	8.9	49	81-110	N/A	A clearcut done in 1977.																																											
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Sub-Canopy Species	Density	Avg. Height	Size																																															
White Pine	Low	5 - 10 feet	5 - 10 feet																																															
108	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	7.1	4	Immature	N/A	Stand final harvested winter 2019. Trenched May 2021. Planted 1025 TPA spring 2022. Year 1 regen check was good with some competition. Year 3 regen check shows 834 TPA and 85% FTG.Oak competition evenly scattered throughout with some clumps of cherry, maple, and aspen in the south end, and white pine in the north end.																																											
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>1</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Pin Cherry</td><td>2</td><td>Sapling</td><td>2</td><td>7</td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td>7</td></tr><tr><td>White Pine</td><td>2</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td>Sapling</td><td>1</td><td>7</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	1	Sapling	2		Pin Cherry	2	Sapling	2	7	Red Maple	5	Sapling	2	7	White Pine	2	Sapling	3		Black/Red (Hybrid) Oak	15	Sapling	1	7																		
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Black/Red (Hybrid) Oak	15	Sapling	1	7																																														
109	4125 - Black, N. Pin Oak	Sawtimber Medium	19.6	110	1-50	N/A	Thinned in 1996/97 removing all species but oak. Good oak regeneration 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 Oak</td><td>15</td><td>Log/XLog</td><td>16</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>85</td><td>Log/XLog</td><td>16</td><td>110</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	White Oak	15	Log/XLog	16		Black/Red (Hybrid) Oak	85	Log/XLog	16	110			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Oak</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Bigtooth Aspen</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Medium	Variable	Variable	White Oak	Medium	Variable	Variable	Red Maple	Medium	>20 feet	>20 feet	Bigtooth Aspen	Low	>20 feet	>20 feet	White Pine	Low	>20 feet	>20 feet	White Pine	Low	Variable	Variable		
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110	110 - Low Intensity Urban	None	4.7			No	Seasonal County Roads, Landfill and Russell Lake Road.																																											
111	4130 - Aspen	Sapling Well	2.0	7		N/A	Stand was final harvested winter 2019. Thin strip along road.																																											
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MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
112	4130 - Aspen	Poletimber Well	25.8	29	Unspecified	N/A	Harvested in 1997.																																																			
<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>84</td><td>Pole/Sapling</td><td>5</td><td>29</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Black Cherry</td><td>3</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>White Oak</td><td>1</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	84	Pole/Sapling	5	29	Black/Red (Hybrid) Oak	5	Pole/Sapling	6		Red Maple	2	Sapling/Pole	4		Black Cherry	3	Pole/Sapling	5		White Oak	1	Pole/Sapling	5		Bigtooth Aspen	5	Pole/Sapling	5		<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>Variable</td><td>Variable</td></tr><tr><td>Pin Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Pin Cherry	Low	Variable	Variable	Red Maple	Low	10 - 20 feet	10 - 20 feet	White Oak	Low	Variable	Variable
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114	4310 - Pine, Oak Mix	Sawtimber Poor	7.4	103	1-50	N/A	Stand was treated in the summer/fall 2018 under sale "Landfill Oak". Marked oaks and white pine were left.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Oak</td><td>19</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>40</td><td>Log/XLog</td><td>14</td><td>103</td></tr><tr><td>Red Pine</td><td>1</td><td>Log</td><td>12</td><td></td></tr><tr><td>White Pine</td><td>40</td><td>Log/Pole</td><td>12</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Oak	19	Log/Pole	10		Black/Red (Hybrid) Oak	40	Log/XLog	14	103	Red Pine	1	Log	12		White Pine	40	Log/Pole	12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Oak</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Oak	Trace	< 5 feet	< 5 feet	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	White Pine	Medium	5 - 10 feet	5 - 10 feet	Red Maple	Low	5 - 10 feet	5 - 10 feet					
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115	6112 - Lowland Aspen	Sapling Medium	40.0	30	Unspecified	N/A	From a clearcut done in 1996. Some of the original stand swamped out after harvest. North 4 acres is higher ground, more dense, and generally larger DBH.																																																			
<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>88</td><td>Sapling/Pole</td><td>4</td><td>30</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>White Pine</td><td>2</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling/Pole</td><td>3</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	88	Sapling/Pole	4	30	Black/Red (Hybrid) Oak	5	Pole/Sapling	5		White Pine	2	Pole/Sapling	5		Red Maple	5	Sapling/Pole	3																																
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Red Maple	5	Sapling/Pole	3																																																							
116	629 - Mixed non-forested Wetland	None	1,818.8			No	Large wetland complex, areas of leatherleaf, cattails/swamp grasses, and tag alder mixed throughout. Areas with stunted lowland conifers seeding in as well.																																																			
118	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	1.0	102	81-110	N/A	Small somewhat upland island surrounded by marsh, no access																																																			
119	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	21.8	99	Unspecified	N/A	Stand YOE is 1926, very wet and slow growing, edges grade to treed bog and then bog.																																																			
122	6122 - Black Spruce	Poletimber Well	222.9	99	Unspecified	N/A	Did not visit stand. Kept old stand examiner's data.Old comments: black spruce/cedar swamp, wet and slow growing.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>60</td><td>Pole</td><td>7</td><td>99</td></tr><tr><td>Northern White Cedar</td><td>40</td><td>Pole</td><td>7</td><td>99</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Spruce	60	Pole	7	99	Northern White Cedar	40	Pole	7	99	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	Variable	Variable																															
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126	42211 - Natural Red Pine, Mixed Deciduous	Sawtimber Well	5.3	99	81-110	N/A	ISLAND SURROUNDED BY SWAMP AND MARSH, Part of Nine Mile Complex ERA																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
127	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	290.0	63	Unspecified	N/A	Did not visit stand. Kept old stand examiner's data.Old comments: This stand is lowland conifer with leatherleaf. Difficult access.			
129	6127 - Lowland Pine	Sawtimber Well	37.6	87	81-110	N/A	Looked at stand from adjacent upland.Previous notes: Lowland white pine and red maple. There is super canopy white pine. Pit and mound topography with a high water table.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		23	Log/Pole	10		Balsam Fir		Low	Variable	Variable
Paper Birch		2	Pole	7		Red Maple		Medium	Variable	Variable
Black Spruce		10	Pole/Log/Sap	8		Tag Alder		High	5 - 10 feet	5 - 10 feet
White Pine		5	XLog	23		White Pine		High	Variable	Variable
White Pine		60	Log/Pole	12	87					
130	6225 - Bog	None	3.0			No				
131	42200 - Natural White Pine	Sawtimber Well	47.5	102	171-200	N/A	Mature white pine stand with red maple and scattered oak and birch. There is some beech in the understory. Parts of the stand are low and there are small bogs unevenly distributed.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		20	Log/Pole	12		White Pine		High	Variable	Variable
White Pine		80	Log/XLog	17	102	Beech		Low	5 - 10 feet	5 - 10 feet
						Red Maple	High	>20 feet	>20 feet	
133	4199 - Other Mixed Upland Deciduous	Poletimber Well	123.3	61	51-80	N/A	Poor quality quaking aspen with quite a bit of single stem red maple co-dominants.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		48	Pole/Log/Sap	7	61	Beech		Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen		39	Pole/Log	8	61	Black Cherry		Low	Variable	Variable
Black/Red (Hybrid) Oak		2	Log/Pole/XLog	12		White Pine		Low	Variable	Variable
White Pine		5	Log/Pole	11		Red Maple		High	>20 feet	>20 feet
White Oak		1	Log/XLog	14						
Black Cherry		5	Log/Pole	10						
134	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	31.7	102	51-80	N/A	Mixed stand of white pine, red maple, and oak. There is a small amount of red pine logs and large white pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		45	Pole/Log/XLog	9	91	Black/Red (Hybrid) Oak		Low	Variable	Variable
Quaking Aspen		1	Log	11		Red Maple		High	Variable	Variable
Black/Red (Hybrid) Oak		5	Log/Pole	12		White Pine		Medium	Variable	Variable
White Pine		49	Log/XLog	16	102					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
143	3102 - Grass	None	1.4			Yes																																																													
144	3102 - Grass	None	6.9			Yes																																																													
145	4130 - Aspen	Sapling Well	32.9	20	Unspecified	N/A	This stand was final harvested in 2006 by cutting all species to a two inch dbh except white oak and black cherry.																																																												
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146	4130 - Aspen	Sapling Well	46.5	10	Immature	N/A	Most cut 2016, and a small portion in SE corner cut 2018.																																																												
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147	6127 - Lowland Pine	Sawtimber Well	72.2	85	81-110	N/A	Large complex of a stand of mostly lowland white with pickets of upland and othwr species here and there. I was not able to walk through the whole stand, but I did do a couple loops.																																																												
<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>71</td><td>Log/Pole</td><td>10</td><td>85</td></tr><tr><td>Red Pine</td><td>1</td><td>Log</td><td>14</td><td></td></tr><tr><td>Black Spruce</td><td>7</td><td>Pole</td><td>6</td><td>85</td></tr><tr><td>Balsam Fir</td><td>7</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>1</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>8</td><td>Pole/Log</td><td>8</td><td></td></tr></table>					Canopy Species	% Cover		Size Class	DBH	Age	White Pine	71	Log/Pole	10	85	Red Pine	1	Log	14		Black Spruce	7	Pole	6	85	Balsam Fir	7	Pole	6		Northern White Cedar	1	Pole	8		Quaking Aspen	5	Pole	7		Red Maple	8	Pole/Log	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Variable	Balsam Fir	Medium	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	White Pine	Low	Variable	Variable
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148	6224 - Treed Bog	None	124.1			No	Large leather leaf/treed bog																																																												
150	6224 - Treed Bog	None	16.1			No	Leather leaf bog with stunted lowland conifers seeding in.																																																												



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
161	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	41.7	86	111-140	N/A	Natural white pine with pockets of maple and aspen. BA is variable.																																																																
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162	4130 - Aspen	Poletimber Well	30.3	59	Unspecified	N/A	Was not able to make it to the stand. Used an edge call to retain previous examiner's data.Old comments: upland island surrounded by lower/wetter terrain. Aspen and red maple fairly small diameter yet, some hypoxylon canker present, aspen is poor quality but thick, south end is more open than the northern portion.																																																																
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164	6127 - Lowland Pine	Sawtimber Well	45.9	59	51-80	N/A	Looked across lowland and saw white pine. Old notes say there might have been a habitat cut done in the past.																																																																
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167	6224 - Treed Bog	None	37.2			No	Treed bog, possibly cut previously but did not regenerate well.																																																																
168	6127 - Lowland Pine	Sawtimber Medium	6.0	106	51-80	N/A																																																																	
170	629 - Mixed non-forested Wetland	None	5.7			No																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
171	4130 - Aspen	Sapling Well	4.1	20	Immature	N/A	Cut 2006.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		84	Sapling	2	20	Red Maple	Medium	10 - 20 feet	10 - 20 feet
Red Maple		5	Sapling	2	20	White Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak		1	XLog	19					
White Pine		5	Sapling/Pole	3					
Quaking Aspen		5	Sapling	2	20				
172	3303 - Mixed Low Density Trees	None	2.2			No	Open herbaceous area with clumps of trees.		
173	4319 - Mixed Upland Forest	Sawtimber Well	13.5	106	81-110	N/A	Very variable stand in terms of terrain, density, species, and tree size. Stand consists of a strip of high ground next to the road which grades into lower/wetter ground in the interior and along I-75 and looks to be inoperable during some parts of the year.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		20	Log/Pole	12	106	Balsam Fir	High	Variable	Variable
Red Maple		25	Log/Pole	11	106	Tag Alder	Low	5 - 10 feet	5 - 10 feet
Paper Birch		2	Log/Pole	10		White Pine	Medium	Variable	Variable
Black/Red (Hybrid) Oak		10	Log/XLog	15	106	Red Maple	Low	Variable	Variable
White Pine		33	Log/Pole/XLog	13	106				
Balsam Fir		8	Pole	7					
Bigtooth Aspen		2	Log/Pole	10					
174	622 - Lowland Shrub	None	2.6			No	Pothole of lowland brush. A large portion of this stand burned in 1997 or 1998 during a drought year.		
175	629 - Mixed non-forested Wetland	None	7.4			No			
176	42200 - Natural White Pine	Sawtimber Well	6.3	86	111-140	N/A	Upland overall with lowland pockets and water table close to the surface.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		75	Log/Pole	13	86	Red Maple	Low	>20 feet	>20 feet
Black Spruce		10	Pole/Log	9		Balsam Fir	High	>20 feet	>20 feet
Red Maple		10	Pole	7		Quaking Aspen	Low	>20 feet	>20 feet
Quaking Aspen		5	Pole	7		White Pine	Medium	Variable	Variable



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
177	42290 - Natural Mixed Pine	Sapling Well	3.6	26	Immature	N/A	Lowland potholes throughout stand. Trenched 2008 and jack pine planted 2009.																																																								
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178	629 - Mixed non-forested Wetland	None	6.6			No	Leather leaf bog with encroaching conifers/"L"																																																								
179	6130 - Fir, Aspen, Maple	Poletimber Well	12.3	86	81-110	N/A	Was not able to visit stand. Used an edge call to retain previous examiner's data.Old comments: low/hummocky ground with standing water in spots and higher/drier ground in others, hardwood overstory with conifer understory, stand is converting to conifers, lots of deer trails and other wildlife sign																																																								
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180	6127 - Lowland Pine	Sawtimber Medium	4.3	106	1-50	N/A	Was not able to visit stand. Used an edge call to retain previous stand examiner's data.Old comments: lowland with upland as stand is a transition zone between "L" to the east and "upland" hardwoods to the west, consists of wet pockets and swales interspersed with higher ground, wet ground is swamp conifers such as balsam fir and black spruce OR bog OR tag alder swales and drainages, marginally higher ground is WP/M																																																								
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184	4130 - Aspen	Poletimber Well	8.2	36	51-80	N/A	Stand was cut in 1990. A few small low depressions scattered about stand with tag alder.																																																								
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185	122 - Road/Parking Lot	None	5.5			No																																																									



Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
186	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium			28.8	36	1-50	N/A	Previous comments: This stand was cut in 1990. The topography is undulating with the higher elevations being sparse aspen, white pine, and maple. The slightly lower ground is better with dense stocking of balsam fir, black spruce and/or white pine. The true low ground is bog or lowland shrub and is patch worked throughout the entire stand. Aspen is poor quality and health with the white pine being mostly bushy.																																																		
<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>30</td><td>Sapling</td><td>3</td><td>36</td></tr><tr><td>Red Maple</td><td>30</td><td>Sapling</td><td>3</td><td>36</td></tr><tr><td>Black Spruce</td><td>14</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>White Pine</td><td>13</td><td>Pole/Sap/Log</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30		Sapling	3	36	Red Maple	30	Sapling	3	36	Black Spruce	14	Pole/Sapling	5		White Pine	13	Pole/Sap/Log	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Trace	< 5 feet	< 5 feet	White Pine	Medium	Variable	Variable	Balsam Fir	Medium	Variable	Variable	Tag Alder	Medium	10 - 20 feet	10 - 20 feet										
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190	42200 - Natural White Pine	Sawtimber Well			21.8	79	141-170	N/A	White pine stand with all size classes represented and an understory of balsam fir. There are a few small swales scattered throughout the stand.																																																		
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191	4133 - Aspen, Mixed Pine	Poletimber Medium			2.8	57	51-80	N/A	Narrow strip of land between the expressway and county road. The stand has aspen mainly in the north end with more white pine in the south.																																																		
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193	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well			4.6	81	81-110	N/A	Narrow strip of land running between two built up roads. There are a few small wet swales mixed in but predominately upland.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
194	429 - Mixed Upland Conifers	Sawtimber Well	9.9	104	111-140	N/A	Did not visit stand. Kept data from previous inventory.Old comments: For the majority of the stand it is high ground but the out fringes grades into the lowland type and of course is wetter ground. This is where find more of the balsam fir and spruce mix with maple. The stand for the time being is log class with the scattered red and white pine just beating out the younger maple poles in the mid-canopy. The maple is the dominant species in the mid-canopy with the understory being higher to white pine. The stand is managing itself and with the distance to travel across a lowland marsh makes commercial treatment impractical.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	36	Pole/Log/Sap	8		Red Maple	Low		10 - 20 feet	10 - 20 feet
Red Pine	37	Log/Pole	13	104	White Pine	High		Variable	Variable
Paper Birch	1	Pole	7		Balsam Fir	Low		Variable	Variable
Balsam Fir	4	Pole/Sapling	5						
White Pine	19	Log/Pole/Sap	12						
Black Spruce	3	Pole/Log	8						
195	42210 - Natural Red Pine	Sawtimber Well	7.1	110	81-110	N/A	Did not visit stand. Kept old inventory data.Old comments: Nice natural red pine stand with some maple and white pine mixed in. Trace amounts of red pine saplings but most of the understory is fir with some maple.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	85	Log/Pole/XLog	14	110	White Pine	Low		Variable	Variable
White Pine	10	Log/Pole	12		Balsam Fir	High		Variable	Variable
Red Maple	5	Pole	8						
196	42200 - Natural White Pine	Sawtimber Poor	10.7	85	1-50	N/A	Cut with adjacent stand in 2018 but original treatment boundary was changed before harvesting due to low wet ground. Check file folder.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	89	Log/XLog	16	85	Red Maple	High		5 - 10 feet	5 - 10 feet
Red Pine	1	Log/XLog	16		White Pine	Medium		< 5 feet	< 5 feet
Red Maple	5	Pole	7		Quaking Aspen	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	5	Pole/Log	8						
198	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	2.6	111	111-140	N/A	2 aged stand of oak and red maple logs with pine poles.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Pole/Log	8		White Pine	Medium		10 - 20 feet	10 - 20 feet
Red Oak	39	Log/Pole/XLog	14	111	Red Pine	Low		10 - 20 feet	10 - 20 feet
White Oak	10	Log/Pole	13	111					
Bigtooth Aspen	1	Pole	7						
White Pine	30	Pole	7	43					
Red Pine	10	Pole	7	43					