



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71061

Entry Year 2025

Acreage: 2,661

County Roscommon

Management Area: High Sand Plains

Stand Examiner: Brian Martell

Legal Description:

T24N R01W Sec. 29-32; T24N R02W Sec. 25 and 36.

Identified Planning Goals:

Vegetation management in the AuSable Outwash management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique characteristics, threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on improving the age-class structure of aspen, harvesting older jack pine and regeneration of red pine and oak to help balance age-classes. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity and management of the state wildlife management areas. Expected trends within this 10-year planning period are an increase in non-native exotic plants, especially Phragmites in the wetland areas and increased recreational pressure.

Soil and topography:

Uplands are dominated by Graycalm, Crowell, Grayling, and Klacking sands. Lowlands are dominated by Tawas-Lupton mucks and Dawson-Loxley peats.

Terrain is mostly flat with some hills in the northwest part of the compartment.²

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

The compartment is mostly a continuous block of state land with some private parcels around the edges.

Unique Natural Features:

There are occurrences of rough fescue in the general area.

Archeological, Historical, and Cultural Features:

There are possible known archeological features within T24N R01W Sec. 31.

Special Management Designations or Considerations:

The South Branch of the Au Sable River is designated as a Natural River and has special setbacks and vegetation buffers required.

Watershed and Fisheries Considerations:

South Branch of the Au Sable River runs through the most eastern portion of this compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for metallic minerals in this part of the state. No active sand/gravel operations are known to exist in the area, but there is good potential for sand & gravel on the uplands in the compartment. The Saint Helen oil & gas field overlaps the northeast portion of the compartment. Most of the wells in the field have been plugged and abandoned, and the field is currently undergoing secondary recovery operations. State-owned mineral rights in this part of the compartment are currently leased and held by production. Potential for expansion of the field is unknown, but there has been no recent well permitting activity in the area and no new leasing activity, so potential for drilling of additional wells in the compartment is considered low at this time. No known significant potential exists for hydrocarbons from other known producing formations beneath the compartment. 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:

There is good vehicle access from Old-76, county roads, state forest two-tracks, and oil/gas access roads.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Recreational opportunities include hunting, fishing, ATV/ORV riding, snowmobiling, dispersed camping, and hiking.

Fire Protection:**Additional Compartment Information:**

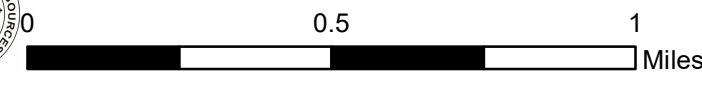
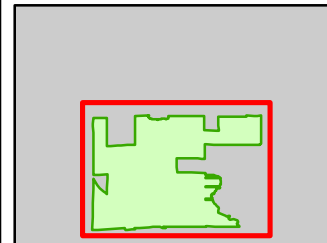
The following reports from the Inventory are attached:

- 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**

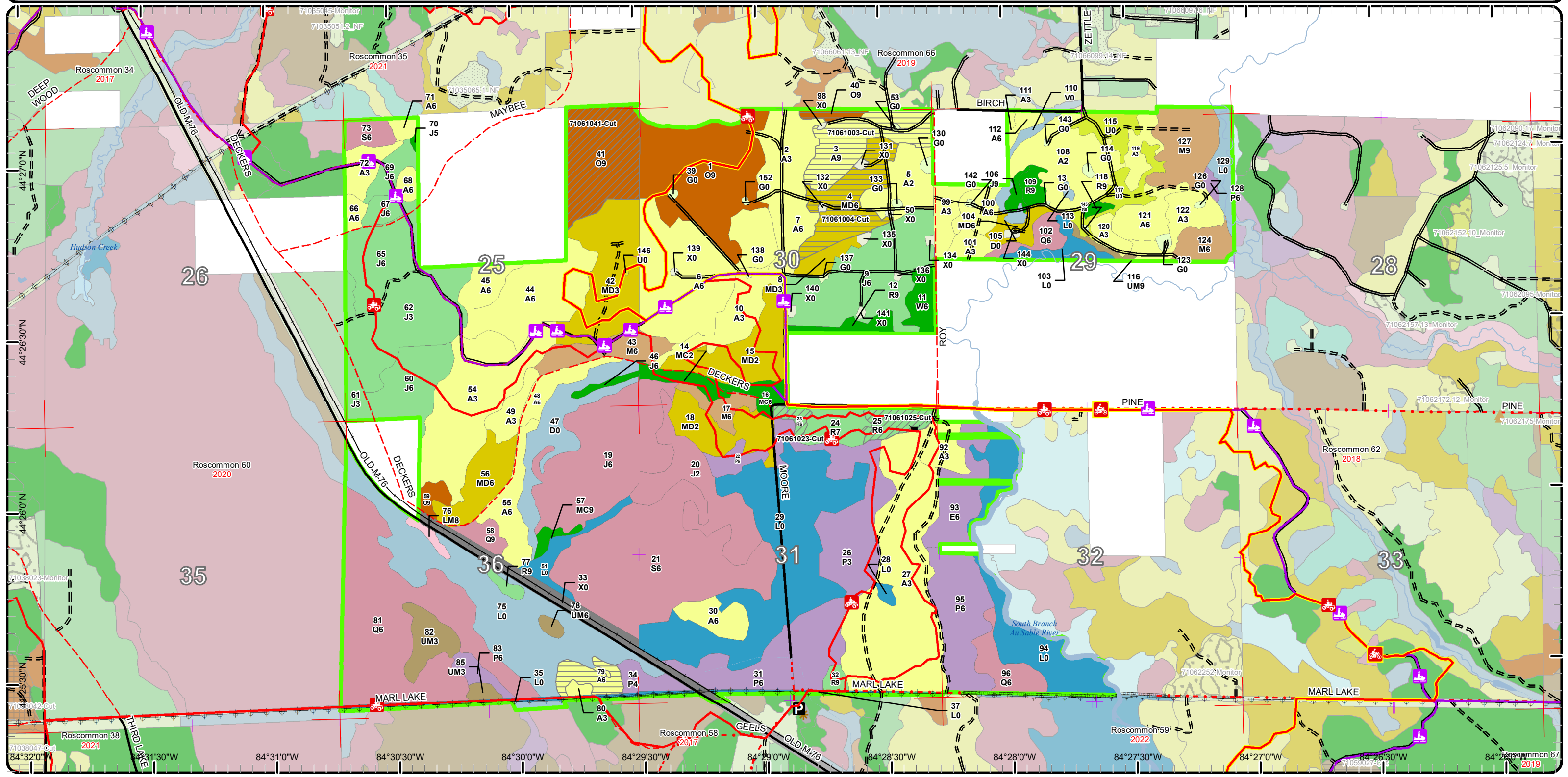
The following information is displayed, where pertinent, on the attached compartment maps:

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

Compartment: 61
 T23N-R02W Sec. 09,16
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 2661.3 GIS Calculated
 Examiner: Brian Martell
 Map Revised: 7/5/2023
 Map Phase: Web-Post

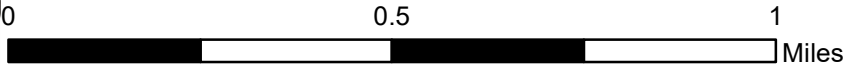


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- Snowmobile Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Bridges
- Parking Lot
- Trailhead
- Intermittent Stream
- Island in Lake or River
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 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
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated

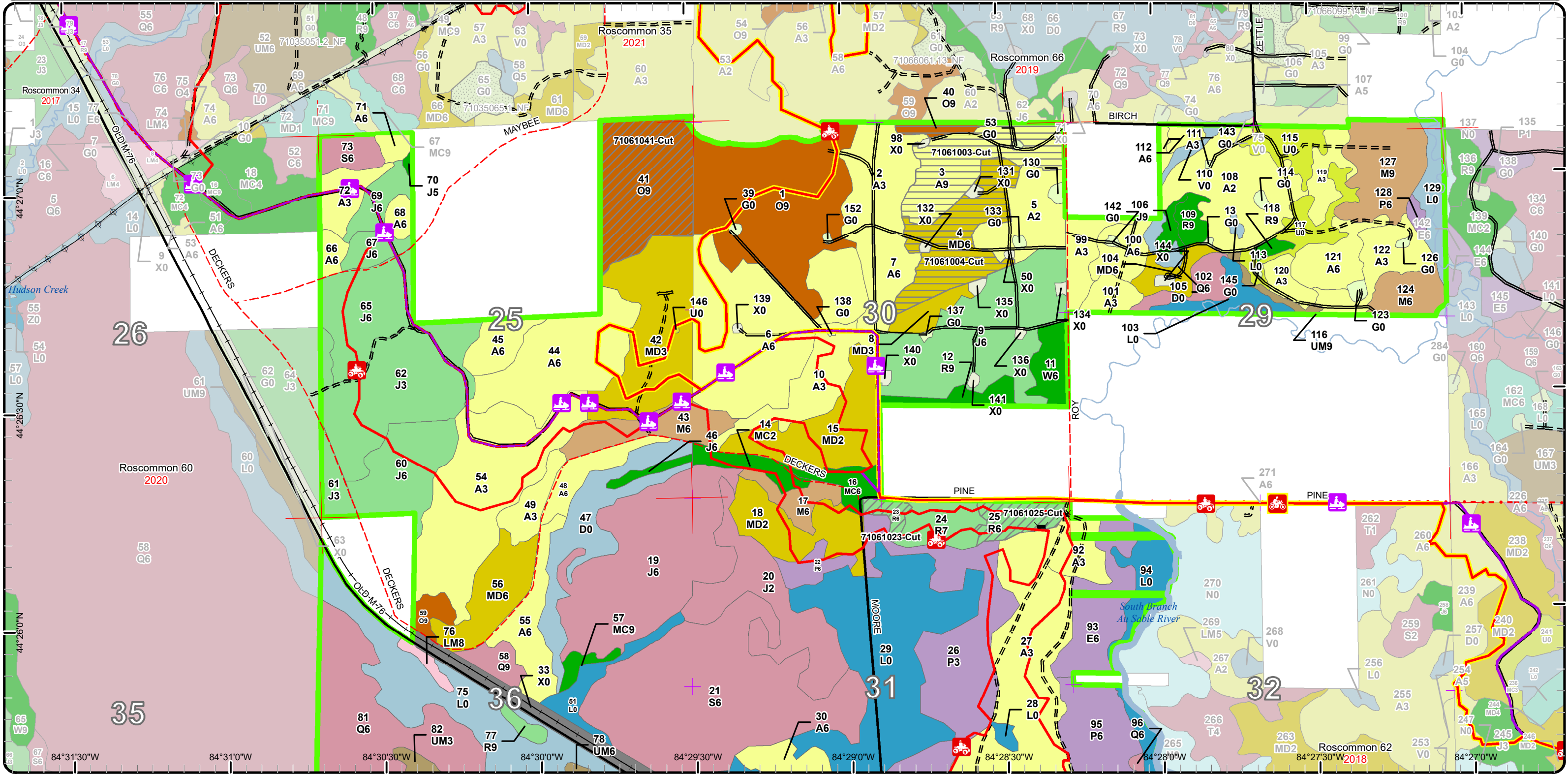


Cover Type & Treatments Map

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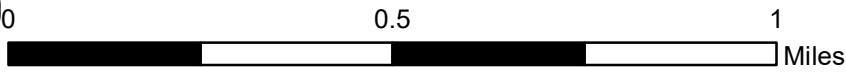


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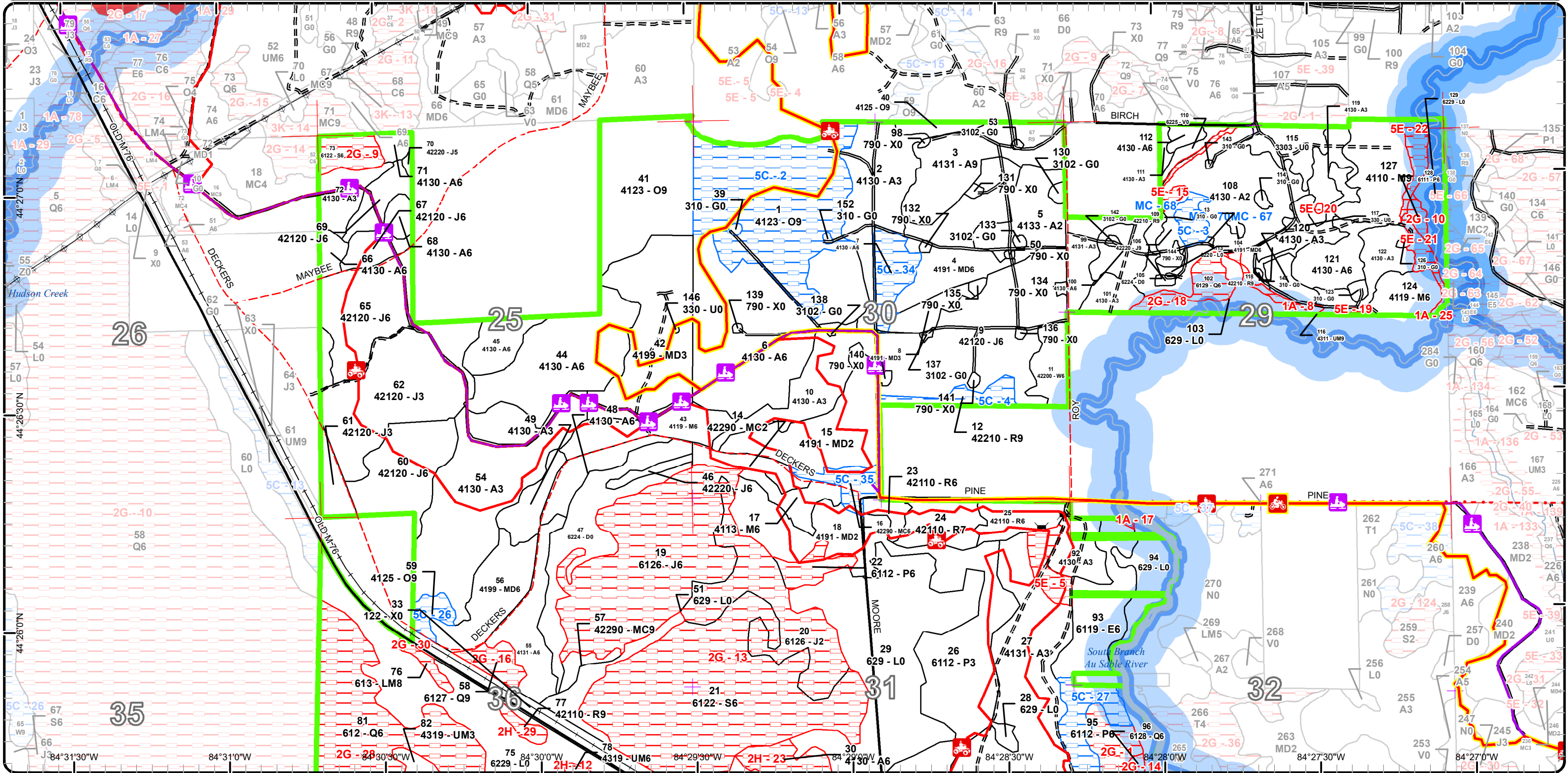


Special Conservation Areas

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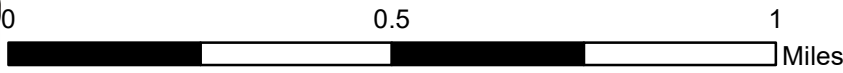


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- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
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- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer

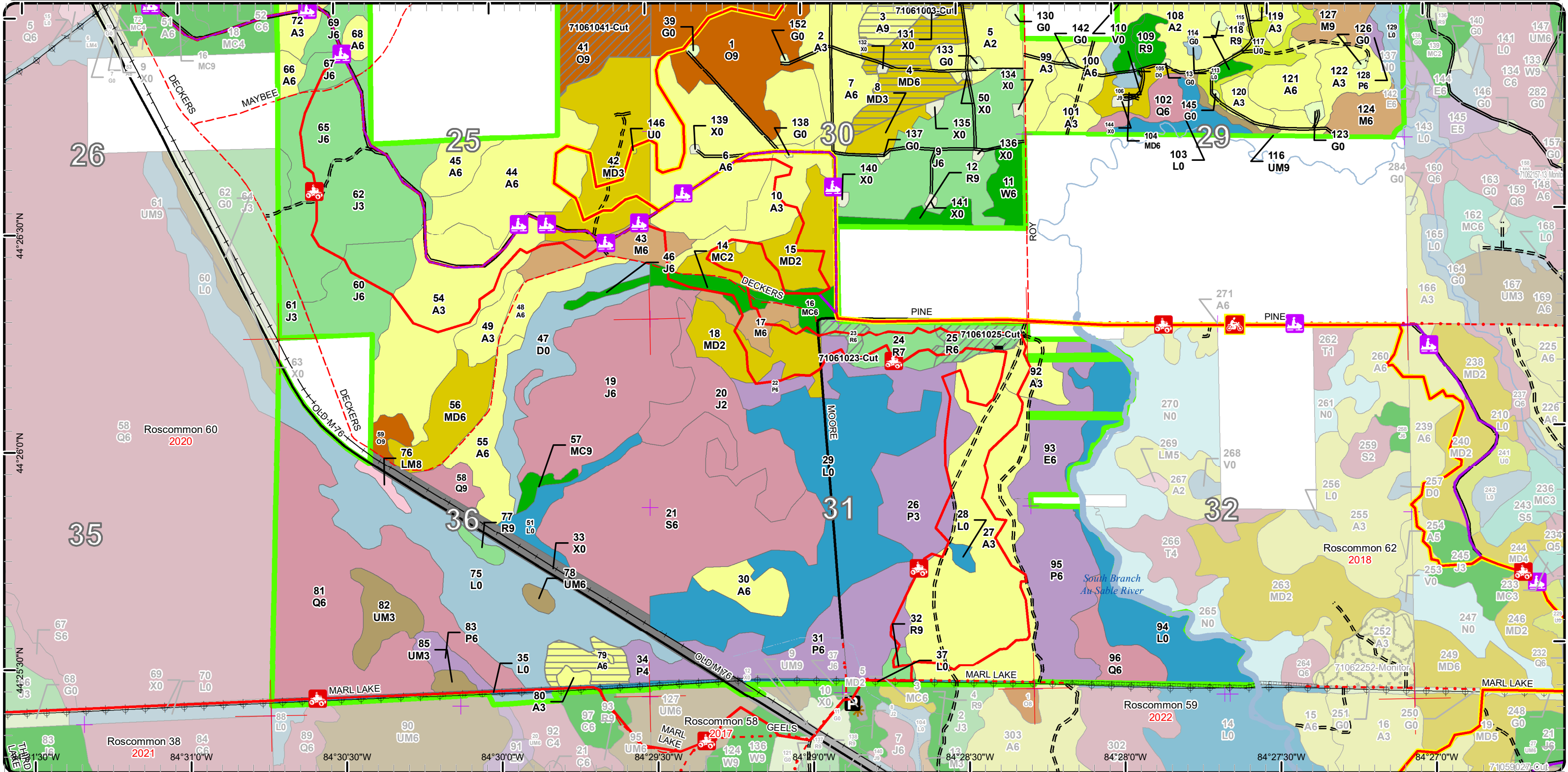


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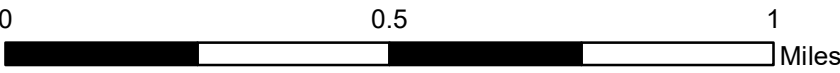


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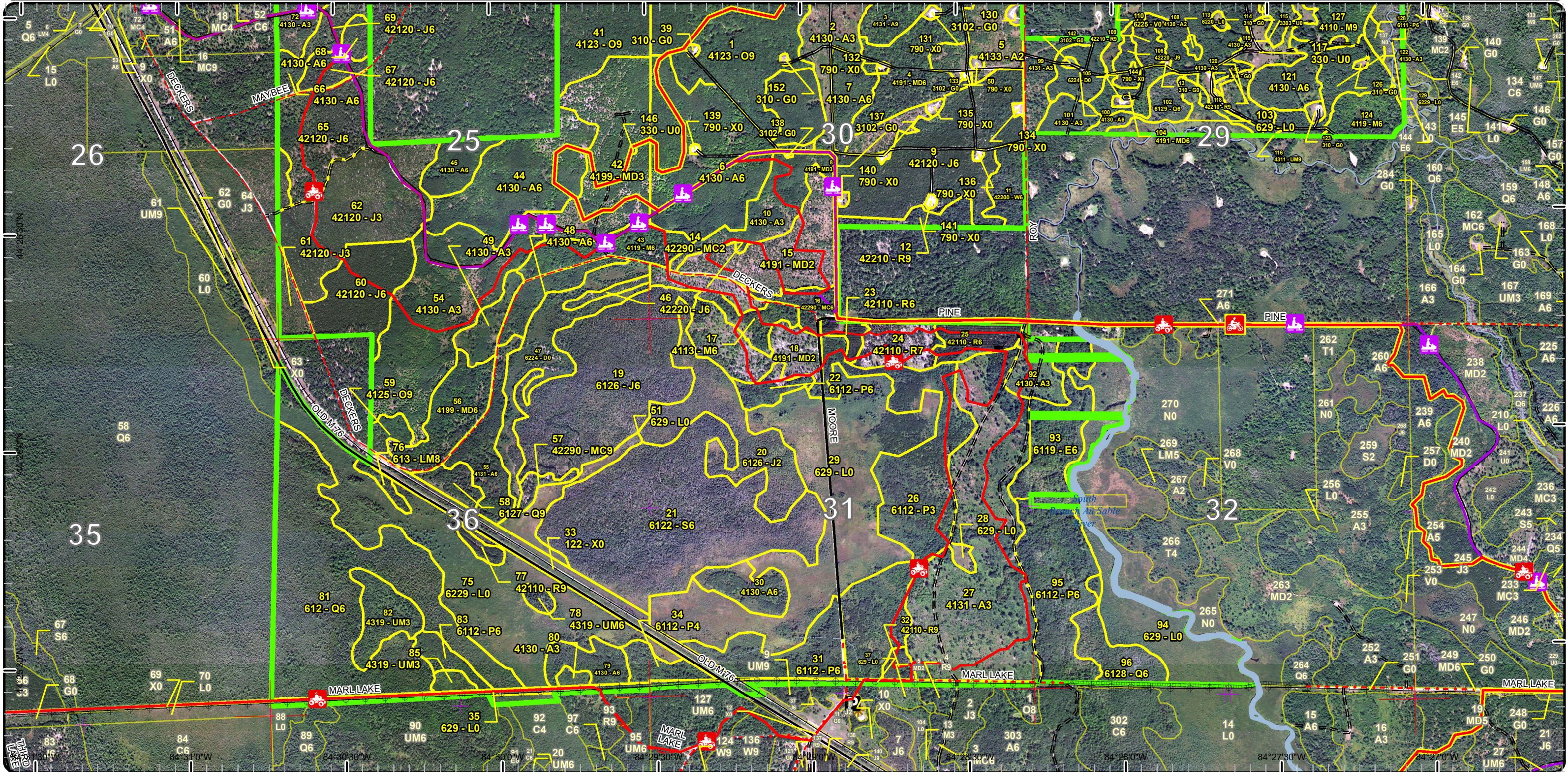
Stand Boundary Map

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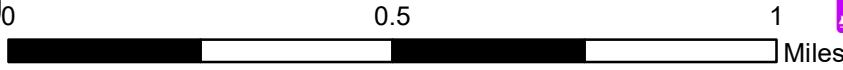
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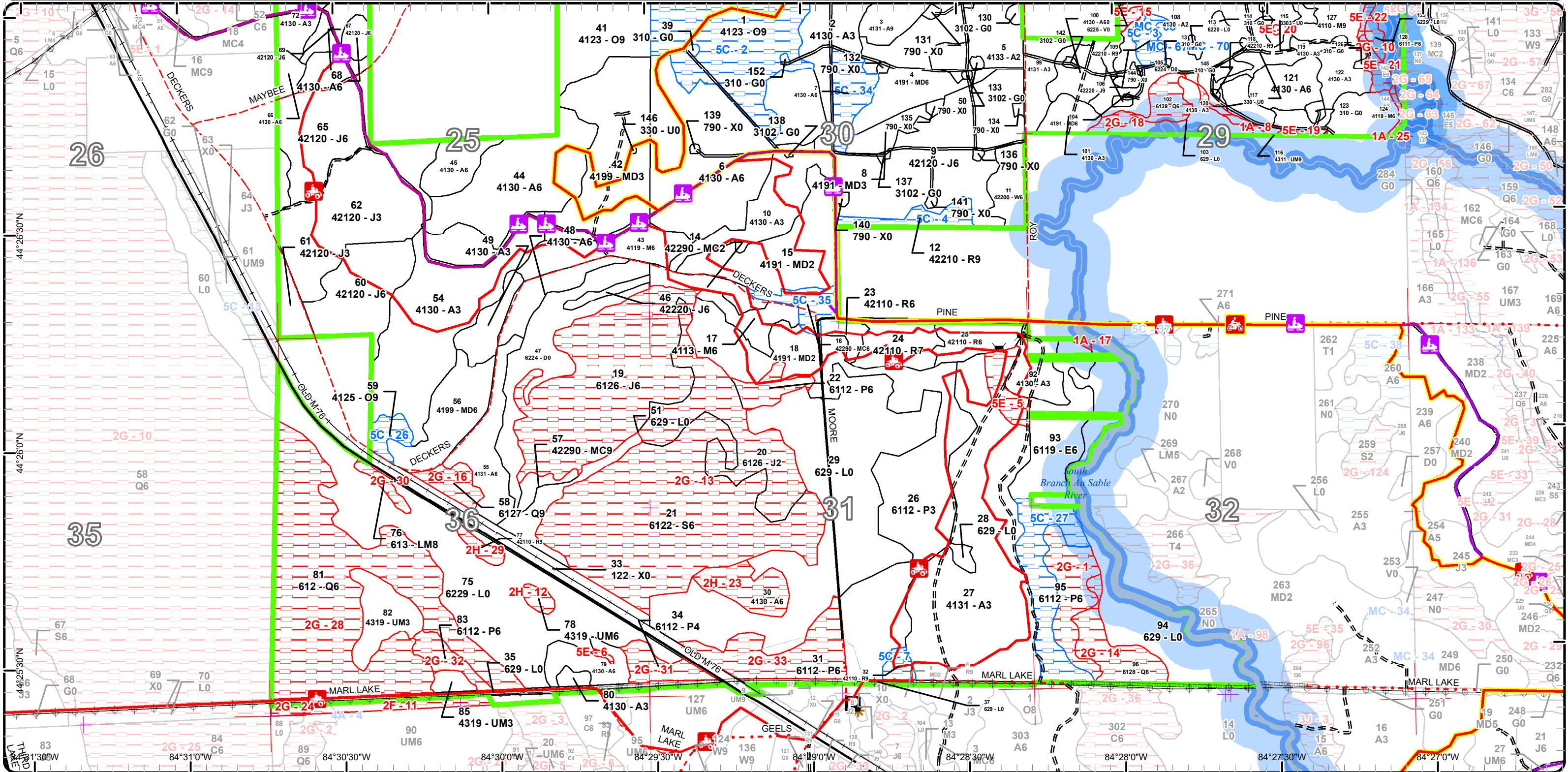


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Report 1 – Total Acres by Cover Type and Age Class



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	75	203	140	205	73	4	38	0	0	0	0	0	0	0	0	0	0	738
Bare/Sparsely Vegetated	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Jack Pine	0	0	74	0	164	0	1	93	46	4	0	0	0	0	0	0	0	0	382
Low-Density Trees	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Aspen/Balsam Poplar	0	0	0	86	27	16	54	2	0	0	0	0	0	0	0	0	0	0	185
Lowland Conifers	0	0	0	0	0	0	0	0	0	8	0	0	159	0	0	0	0	0	167
Lowland Deciduous	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Lowland Shrub	351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351
Lowland Spruce/Fir	0	0	0	0	0	0	130	0	0	0	10	0	0	0	0	0	0	0	140
Mixed Upland Deciduous	0	28	0	105	0	26	0	46	0	0	0	0	0	0	0	0	0	0	205
Natural Mixed Pines	0	0	9	0	0	0	0	0	4	0	0	9	0	0	0	0	0	0	22
Northern Hardwood	0	0	0	0	0	21	14	10	0	0	0	0	32	0	0	0	0	0	77
Oak	0	0	0	0	0	0	0	0	0	60	88	4	0	0	0	0	0	0	152
Red Pine	0	0	0	0	0	0	0	37	0	0	9	4	8	0	0	0	0	0	58
Treed Bog	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Upland Mixed Forest	0	0	3	17	0	0	0	3	0	0	3	0	0	0	0	0	0	0	26
Urban	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
White Pine	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Total	467	103	289	348	396	136	232	241	50	72	110	20	199	0	0	0	0	0	2663



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 61
Total Compartment Acres: 2,661

Commercial Harvest - 163
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	54	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	37	0	0	0	0	0	0	0	0	37
Oak	0	0	0	0	54	0	0	0	0	54
Red Pine	0	0	0	0	17	0	0	0	0	17
Total	91	0	0	0	72	0	0	0	0	163

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	163	0	0	0	0	0	0	0	0	163
Next Step	0	0	0	0	0	91	0	0	0	91
Total	163	0	0	0	0	91	0	0	0	254



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

3	71061003-Cut	42.0	4131 - Aspen, Oak	Sawtimber Well	64	51-80	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 1" DBH and larger. Leave standard area retention and drumming logs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mix of aspen, red maple, and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
4	71061004-Cut	37.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	64	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 1" DBH and larger. Leave all log sized white oak. Leave standard area retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mix of aspen, red maple, and oak with some jack pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
23	71061023-Cut	4.8	42110 - Planted Red Pine	Poletimber Well	62	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Remove about 1/3 of the volume by cutting poor formed and suppressed trees first, then removing trees based on crown spacing. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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25	71061025-Cut	12.4	42110 - Planted Red Pine	Poletimber Well	62	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove about 1/3 of volume cutting poor formed and suppressed trees first, then removing trees based on crown spacing.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

41	71061041-Cut	54.4	4123 - Red Oak	Sawtimber Well	86	111-140	Harvest	Crown Thinning	4123 - Red Oak	Even-Aged	No
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Prescription Thin stand to around 90 BA. Mark suppressed and poor formed trees to cut first, then mark for crown spacing. Try to limit red maple and aspen removal to avoid regeneration this rotation. No retention needed as this is a thinning.

Specs:

Next Step

Treatments:

Acceptable Not a regeneration harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

79	71061079-Cut	12.0	4130 - Aspen	Poletimber Well	42	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" DBH and larger. Leave all red pine. Buffer wetland as necessary for BMP's and use that as retention. Leave drumming logs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with some red maple and balsam fir.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Total Treatment 162.8
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 61
 Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5C	MC	1A	2G	2H	5E
738	693	13	32	Aspen	13	0			14	17
7	7	0	0	Bare/Sparsely Vegetated						
4	3	0	0	Bog						0
8	8	0	0	Herbaceous Openland						
380	242	0	139	Jack Pine				139		0
28	28	0	0	Low-Density Trees						
186	86	27	73	Lowland Aspen/Balsam Poplar	27			73		
166	0	0	166	Lowland Conifers				166		
29	29	0	1	Lowland Deciduous			1			
3	0	0	3	Lowland Mixed Forest				3		
351	351	0	0	Lowland Shrub	0					
140	0	0	140	Lowland Spruce/Fir				140		
205	205	0	0	Mixed Upland Deciduous	0					
22	13	9	0	Natural Mixed Pines	9					
78	71	0	7	Northern Hardwood			1			6
153	59	94	0	Oak	94					
57	35	18	3	Red Pine	18				3	
40	40	0	0	Treed Bog						
26	20	0	6	Upland Mixed Forest			3		3	
29	29	0	0	Urban						
12	12	0	0	White Pine						
2,661	1,930	162	570	Total Forested Acres	162	0	5	521	21	23
	73%	6%	21%	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	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 61
 Year of Entry: 2025

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	88	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Brian Martell : Examiner

Compartment: 61

Year of Entry: 2025

8	Unavailable	1A: Federal/State/Local Law	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers setback							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	277	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 61

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14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	1A: Federal/State/Local Law	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers setback							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 61
 Year of Entry: 2025

20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	1A: Federal/State/Local Law	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers setback							

Report 4 – Site Conditions

Roscommon Mgt. Unit
 Brian Martell : Examiner

Compartment: 61
 Year of Entry: 2025

26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	131	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Brian Martell : Examiner

Compartment: 61

Year of Entry: 2025

31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Available	Minor Change in Acreage	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Brian Martell : Examiner

Compartment: 61
Year of Entry: 2025

68	Available	Minor Change in Acreage	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Available	Minor Change in Acreage	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4123 - Red Oak	Sawtimber Well	88.4	98	111-140	N/A	Large stand of red oak mixed with bigtooth aspen on a large gradual hill. Hold for mast and age class diversity.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>75</td> <td>Log/Pole/XLog</td> <td>11</td> <td>98</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Log/Pole</td> <td>13</td> <td>98</td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	8		Red Oak	75	Log/Pole/XLog	11	98	Bigtooth Aspen	10	Log/Pole	13	98	White Oak	5	Log/Pole	11		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	White Oak	Low	Variable	Sapling	Witch Hazel	Low	Variable	Tall Shrub
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2	4130 - Aspen	Sapling Well	36.8	11	Immature	N/A																																								
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3	4131 - Aspen, Oak	Sawtimber Well	37.6	64	51-80	N/A	Mixed stand of low quality aspen, oak, and red maple. Oak and quaking aspen in decline. South and west half of stand heavier to oak, north and east half of stand dominated by aspen. Heavy red maple and cherry competition in understory. Above ground pipelines found.																																	
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4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	37.2	64	81-110	N/A	Aspen mixed with oak and pine. Above ground pipelines found in the stand.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5	4133 - Aspen, Mixed Pine	Sapling Medium	23.3	20	Immature	N/A	Mixed stand of aspen, cherry, and jack pine. Stand was cut in 2003 and jack pine tops were left.
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Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	30	Sapling	2	
White Pine	1	Sapling	3	
Bigtooth Aspen	5	Sapling	3	20
Black/Red (Hybrid) Oak	5	Sapling	3	
Quaking Aspen	40	Sapling	3	20
Red Pine	1	Sapling	3	
Jack Pine	18	Sapling	3	

6	4130 - Aspen	Poletimber Well	87.3	30	1-50	N/A	Aspen stand mixed with red maple and oak. Aspen just getting into pole size overall.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Sapling/Pole	3		White Oak	Trace	< 5 feet	Seeding
Black/Red (Hybrid) Oak	5	Sapling/Pole	4		Pin Cherry	Low	5 - 10 feet	Sapling
Red Pine	1	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	75	Pole/Sapling	5	30	Red Maple	Medium	Variable	Sapling
Red Maple	14	Sapling/Pole	3		White Pine	Trace	>20 feet	Sapling

7	4130 - Aspen	Poletimber Well	13.2	45	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log/Sap	7		Pin Cherry	Low	Variable	Sapling
Black/Red (Hybrid) Oak	5	Pole/Sapling	6		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Quaking Aspen	10	Pole	6		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	72	Pole/Log/Sap	7	45				
White Pine	3	Pole/Log	8					

8	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	8.2	20	Immature	N/A	Clearcut in 2003. Low end of canopy coverage range. A lot of cherry has grown in since last inventory.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	25	Sapling	3	
Pin Cherry	35	Sapling	3	20
Red Maple	4	Sapling/Pole	4	
Quaking Aspen	5	Sapling	3	20
Black/Red (Hybrid) Oak	30	Sapling/Pole	4	20
White Oak	1	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
9	42120 - Planted Jack Pine	Poletimber Well	72.8	30	Immature	N/A	Just barely pole sized. Cut Winter 1993 and planted spring 1993.																																																		
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10	4130 - Aspen	Sapling Well	26.3	21	Immature	N/A	Cut 2002.																																																		
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11	42200 - Natural White Pine	Poletimber Well	11.9	69	111-140	N/A	White pine pole/log timber stand with some red pine, jack pine, oak, and aspen. Most of the red pine is older and is mostly on the south end. A few small pockets of aspen were found in the center. White pine understory.																																																		
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12	42210 - Natural Red Pine	Sawtimber Well	9.0	95	111-140	N/A	Natural red pine saw timber stand mixed with some white pine, jack pine and oak. Some red pine in understory but mostly thick white pine understory.																																																		
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13	310 - Herbaceous Openland	Nonstocked	0.3	0			Well site.																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14 42290 - Natural Mixed Pine Sapling Medium 9.2 10 Immature N/A Pole and log sized trees are left from previous harvest, and saplings sprouted and seeded in. ORV trail runs through stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	11	Sapling	1	10
Jack Pine	40	Sapling	1	10
Jack Pine	2	Pole	6	
Red Maple	5	Pole/Sapling	5	
Red Maple	5	Sapling	1	10
Pin Cherry	5	Sapling	1	10
Black/Red (Hybrid) Oak	1	Pole/Log	8	102
Red Pine	10	Sapling	1	
White Pine	5	Pole/Log	8	
Balsam Fir	1	Pole	6	
Red Pine	15	Pole/Log	9	102

15 4191 - Mixed Upland Deciduous with Conifer Sapling Medium 38.8 21 Immature N/A Cut 2002. Low quality site growing stump sprout pin/black oak, pin cherry and some natural jack pine. A few scattered red and white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Sapling	3	
Pin Cherry	20	Sapling/Pole	2	
Bigtooth Aspen	2	Sapling/Pole	3	
Black/Red (Hybrid) Oak	50	Sapling/Pole	3	21
Red Pine	1	Pole	7	
Jack Pine	25	Sapling	4	

16 42290 - Natural Mixed Pine Poletimber Well 9.2 102 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	45	Pole/Log/Sap	7	102	White Pine	Medium	Variable	Sapling
Red Pine	10	Log/Pole	13	102	Red Maple	Low	Variable	Sapling
Jack Pine	37	Pole/Log	9	102				
Black/Red (Hybrid) Oak	5	Log/Pole	12	102				
Red Maple	3	Pole/Sap/Log	7					

17 4113 - R.Maple, Conifer Poletimber Well 10.3 63 51-80 N/A Stand of red maple with some super canopy oak and pine mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	70	Pole/Sap/Log	6	63	Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	10	102	White Pine	Low	Variable	Sapling
Red Pine	10	Log	14	102				
Jack Pine	10	Pole/Log	9	102				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	28.4	8	Immature	N/A	Pole and log sized trees are left over from previous harvest, and saplings have sprouted or seated in.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log/Pole	10	102
Pin Cherry	15	Sapling	1	8
White Pine	3	Log/Pole	10	
White Pine	5	Sapling	1	
Black/Red (Hybrid) Oak	5	Sapling	1	8
Red Maple	5	Pole	5	
Jack Pine	1	Pole	6	
Quaking Aspen	5	Sapling	1	8
Jack Pine	15	Sapling	1	
Red Maple	35	Sapling	1	8
White Oak	1	Log/XLog	16	102
Red Pine	2	Log/Pole	10	102
Red Pine	3	Sapling	1	

19	6126 - Lowland Jack Pine	Poletimber Well	92.7	69	51-80	N/A	Part of SCA.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole/Log/Sap	7		Black Spruce	Low	Variable	Sapling
Black Spruce	5	Pole	7		Leatherleaf	Full	< 5 feet	Tall Shrub
Tamarack	5	Pole/Sapling	6		Tamarack	Low	Variable	Sapling
Jack Pine	84	Pole/Sapling	5	69	Jack Pine	Low	Variable	Sapling
Red Pine	1	Pole/Sapling	5					

20	6126 - Lowland Jack Pine	Sapling Medium	45.8	74	1-50	N/A	Wet bog jack pine with some spruce.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Sapling/Pole	3		Leatherleaf	Full	< 5 feet	Tall Shrub
Tamarack	5	Sapling/Pole	3		Jack Pine	Low	Variable	Sapling
Jack Pine	90	Sapling/Pole	3	74	Black Spruce	Low	Variable	Sapling

21	6122 - Black Spruce	Poletimber Well	130.1	57		N/A	Swamp conifer stand of black spruce mixed with jack pine and tamarack. Most of the jack pine is around the edges and the interior is mostly spruce and tamarack. The stand is listed as an SCA (poor conifer swamp).
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	15	Pole/Sap/Log	7		Tamarack	Low	Variable	Sapling
White Pine	1	XLog/Log	18		Tag Alder	Low	Variable	Tall Shrub
Jack Pine	10	Pole/Log/Sap	7	68	Black Spruce	Medium	Variable	Tall Shrub
Black Spruce	74	Pole/Sap/Log	7	57				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
22	6112 - Lowland Aspen	Poletimber Well	8.0	55	51-80	N/A																																																				
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23	42110 - Planted Red Pine	Poletimber Well	4.8	62	171-200	N/A	Red pine plantation thinned two entries ago.																																																			
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24	42110 - Planted Red Pine	Sawtimber Poor	15.7	62	1-50	N/A	Quite a bit of residual red pine was left during last harvest. Red pine was planted but is mostly being overtopped by red maple.																																																			
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25	42110 - Planted Red Pine	Poletimber Well	12.4	62	171-200	N/A	Red pine plantation with some jack pine mixed in. Row thinned 2015.																																																			
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27	4131 - Aspen, Oak	Sapling Well	123.2	11	Immature	N/A	Cut 2012. There is a mature conifer component around areas that are low/wet.																																																
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28	629 - Mixed non-forested wetland	Nonstocked	2.2			No																																																	
29	629 - Mixed non-forested wetland	Nonstocked	129.1			No	Partly filling in with lowland conifer but still non-forested overall.																																																
30	4130 - Aspen	Poletimber Well	14.4	30	Immature	N/A	Looked across lowlands from Moore Road.																																																
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31	6112 - Lowland Aspen	Poletimber Well	26.6	30	Immature	N/A	Wet quaking aspen stand with some oak and jack pine mixed in (SE corner). Wetter areas have tag alder understory.																																																
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32	42110 - Planted Red Pine	Sawtimber Well	3.7	102	141-170	N/A	Thinned 1982.																																																
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33	122 - Road/Parking Lot	Nonstocked	29.2			No	Road and Railroad																																																
34	6112 - Lowland Aspen	Poletimber Poor	9.2	42		N/A																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
35	629 - Mixed non-forested wetland	Nonstocked	12.6			No	Powerline ROW																																																		
37	629 - Mixed non-forested wetland	Nonstocked	5.9			No	Powerline ROW																																																		
39	310 - Herbaceous Openland	Nonstocked	0.6	0			Old well pad.																																																		
40	4125 - Black, N. Pin Oak	Sawtimber Well	4.4	102	51-80	N/A	Old poor quality oak with with very heavy advanced red maple understory.																																																		
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41	4123 - Red Oak	Sawtimber Well	54.4	86	111-140	N/A	Decent oak on some rolling hilly terrain. A few red maple amd aspen clumps mixed in.																																																		
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42	4199 - Other Mixed Upland Deciduous	Sapling Well	58.1	21	Immature	N/A	Cut 2002. Red maple mixed with aspen and oak. Most of the red maple and oak are in stump sprout clumps.																																																		
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43	4119 - Mixed Northern Hardwoods	Poletimber Well	21.3	45	51-80	N/A	Most of the maple is of stump sprout origin. Cut 1978.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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44	4130 - Aspen	Poletimber Well	50.6	33	Immature	N/A	Cut fall 1990.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		1	Pole/Log/Sap	7		White Oak	
Black/Red (Hybrid) Oak		4	Pole/Sap/Log	6		White Pine	
Red Maple		10	Pole/Sapling	5	33	Red Maple	
Bigtooth Aspen		85	Pole/Sapling	6	33	Serviceberry (Juneberry)	
						Witch Hazel	
						Density	
						Avg. Height	
						Size	

45	4130 - Aspen	Poletimber Well	12.4	43	51-80	N/A	Cut fall 1980.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		3	Log/Pole	12		Red Maple	
Red Maple		5	Pole/Sapling	6	43	Witch Hazel	
Bigtooth Aspen		92	Pole/Sap/Log	7	43	White Pine	
						Black/Red (Hybrid) Oak	
						White Oak	
						Density	
						Avg. Height	
						Size	

46	42220 - Natural Jack Pine	Poletimber Well	3.3	32	51-80	N/A	Jack pine ridge.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Pole/Log	8		Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		5	Sapling/Pole	4			
Jack Pine		90	Pole/Sapling	5	32		
						Density	
						Avg. Height	
						Size	

47	6224 - Treed Bog	Nonstocked	35.7			No	
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48	4130 - Aspen	Poletimber Well	12.7	33	Immature	N/A	South end has larger trees than the rest of the stand. Cut spring 1990.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		4	Pole/Log	8		White Pine	
Black Cherry		1	Sapling/Pole	4		Balsam Fir	
Black/Red (Hybrid) Oak		2	Pole/Sapling	5		Red Maple	
Bigtooth Aspen		5	Pole/Sapling	6			
Red Maple		2	Sapling/Pole	1			
Red Pine		1	Pole/Log	8			
Quaking Aspen		85	Pole/Sapling	5	33		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49	4130 - Aspen	Sapling Well	10.9	13	Immature	N/A	Cut Fall 2010, left oak under 6" DBH and marked a few oaks to leave for mast.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Pin Cherry		5	Sapling	3		Red Maple	
Red Maple		10	Sapling	2	13	Low	
Quaking Aspen		40	Sapling	2	13	5 - 10 feet	
Bigtooth Aspen		40	Sapling	3	13	Sapling	
Black/Red (Hybrid) Oak		5	Log/Pole	10		Pin Cherry	
						Low	
						5 - 10 feet	
						Sapling	

50	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.3	0			Oil/gas infrastructure.
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51	629 - Mixed non-forested wetland	Nonstocked	12.0			No	
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53	3102 - Grass	Nonstocked	0.4	0			Well plugged 6/20/2014 Permit # 9622
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54	4130 - Aspen	Sapling Well	78.1	21	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		83	Sapling/Pole	3	21	Red Maple	
Red Maple		15	Sapling/Pole	3	21	Medium	
Black/Red (Hybrid) Oak		2	Sapling	3		10 - 20 feet	
						Sapling	
						Witch Hazel	
						Medium	
						5 - 10 feet	
						Tall Shrub	
						Jack Pine	
						Trace	
						Variable	
						Sapling	
						White Oak	
						Low	
						Variable	
						Sapling	

55	4131 - Aspen, Oak	Poletimber Well	21.9	43	1-50	N/A	Cut 1980
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		1	Pole	7		Serviceberry (Juneberry)	
Jack Pine		1	Pole	7		Trace	
Red Maple		5	Sapling/Pole	4		10 - 20 feet	
Pin Cherry		2	Sapling/Pole	4		Sapling	
Red Pine		2	Pole/Log	8		Black/Red (Hybrid) Oak	
Quaking Aspen		60	Pole/Sapling	5	43	Low	
Black/Red (Hybrid) Oak		26	Pole/Sap/Log	6	43	Variable	
White Pine		3	Log/Pole	13		Sapling	
						Red Maple	
						Low	
						Variable	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
56	4199 - Other Mixed Upland Deciduous	Poletimber Well	25.5	45	51-80	N/A	The aspen is on a gradual upslope on the west side of the stand and the oak is concentrated on the flats by the road. In the future, it might make sense to delineate the aspen out and manage it separately																																																												
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57	42290 - Natural Mixed Pine	Sawtimber Well	3.9	72	51-80	N/A	Upland knob surrounded by lowland. Red pine is mostly around the edges.																																																												
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58	6127 - Lowland Pine	Sawtimber Well	7.5	88	111-140	N/A	Red pine is concentrated on the west side of the stand																																																												
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59	4125 - Black, N. Pin Oak	Sawtimber Well	5.7	86	81-110	N/A	Poor quality oak on a knob.																																																												
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60	42120 - Planted Jack Pine	Poletimber Well	32.6	31	1-50	N/A	Cut winter 1991, planted spring 1992. Trace amounts of oak and cherry in the canopy.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
61	42120 - Planted Jack Pine	Sapling Well	11.2	16	Immature	N/A	Cut 2004, trenched 2006, planted May 2007. Part of a larger stand in the adjacent compartment to the west.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		5	Sapling	3			
Pin Cherry		5	Sapling	2			
Jack Pine		90	Sapling	3	16		
62	42120 - Planted Jack Pine	Sapling Well	62.4	18	Immature	N/A	Cut 2002. Trenched 2004, planted 2005.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		1	Sapling	2			
Pin Cherry		5	Sapling	2			
Quaking Aspen		5	Sapling	3			
Jack Pine		89	Sapling	3	18		
65	42120 - Planted Jack Pine	Poletimber Well	36.2	37	1-50	N/A	Cut 1984. Planted 1986 in areas where natural regen did not take. West half has the aspen and oak in it.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		10	Pole/Sapling	6	39		
Red Pine		1	Log/XLog	16			
White Pine		1	Log/XLog	16			
Jack Pine		83	Pole/Sap/Log	6	37		
Black/Red (Hybrid) Oak		5	Log/Pole	13			
Sub-Canopy Species		Density	Avg. Height	Size			
Black/Red (Hybrid) Oak		Low	Variable	Sapling			
Pin Cherry		Low	Variable	Sapling			
66	4130 - Aspen	Poletimber Well	4.6	43	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		3	Pole/Log	9			
White Pine		5	Pole/Log	9			
Quaking Aspen		78	Pole/Sapling	6	43		
Jack Pine		10	Pole	6			
Black/Red (Hybrid) Oak		2	Pole/Sapling	6			
Pin Cherry		2	Sapling/Pole	4			
Sub-Canopy Species		Density	Avg. Height	Size			
Pin Cherry		Low	Variable	Sapling			
White Pine		Low	Variable	Sapling			
Black/Red (Hybrid) Oak		Medium	Variable	Sapling			
67	42120 - Planted Jack Pine	Poletimber Well	8.4	37	51-80	N/A	Planted areas that did not come back naturally.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		1	Log	14			
Quaking Aspen		1	Pole	7			
Jack Pine		96	Pole/Log	8	37		
White Pine		1	Log	14			
Black/Red (Hybrid) Oak		1	Pole	6			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	Variable	Sapling			
Pin Cherry		Low	5 - 10 feet	Sapling			
Black/Red (Hybrid) Oak		Low	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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68 4130 - Aspen Poletimber Well 4.6 43 51-80 N/A Most of the jackpine is in the eastern quarter of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	1	Pole	9		White Pine	Low	Variable	Sapling
Red Pine	5	Log/Pole	12		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
Jack Pine	13	Pole/Log	8					
Quaking Aspen	80	Pole/Log/Sap	7	43				
White Pine	1	Pole	8					

69 42120 - Planted Jack Pine Poletimber Well 10.3 37 51-80 N/A Cut 1984. Planted 1986 where natural regen didn't take.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	84	Pole/Sapling	7	37
Quaking Aspen	2	Pole/Sapling	5	
Pin Cherry	5	Sapling/Pole	3	
Black/Red (Hybrid) Oak	2	Sapling/Pole	3	
Red Pine	5	Log/Pole/XLog	14	
White Pine	2	Log/XLog/Pole	14	

70 42220 - Natural Jack Pine Poletimber Medium 0.8 58 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole	12		White Pine	Low	Variable	Sapling
Quaking Aspen	1	Pole	6		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Jack Pine	94	Pole/Log	8	58				

71 4130 - Aspen Poletimber Well 3.9 43 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	2	Log/Pole	13		White Pine	Medium	Variable	Sapling
Red Pine	1	Log	14		Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	3	Log/Pole	12					
Bigtooth Aspen	76	Pole	8	43				
Jack Pine	3	Log/Pole	10					
Quaking Aspen	15	Pole	7	43				

72 4130 - Aspen Sapling Well 12.5 29 Immature N/A Cut 1994

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	5	Sapling	3	
Black/Red (Hybrid) Oak	3	Sapling/Pole	3	
Jack Pine	10	Sapling/Pole	4	
White Pine	5	Pole/Sap/Log	6	
Quaking Aspen	77	Sapling/Pole	3	29



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																								
73	6122 - Black Spruce	Poletimber Well	9.6	90	81-110	N/A																																																																									
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75	6229 - Mixed lowland shrub	Nonstocked	107.4			No																																																																									
76	613 - Lowland Mixed Forest	Sawtimber Medium	3.3	100	111-140	N/A																																																																									
77	42110 - Planted Red Pine	Sawtimber Well	3.4	68	201+	N/A	RED PINE STAND WITH VERY HIGH WATER TABLE. MIDDLE OF THE STAND HAS STUNTED GROWTH BECAUSE OF THE HIGH WATER TABLE.																																																																								
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78	4319 - Mixed Upland Forest	Poletimber Well	2.9	60	51-80	N/A																																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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80 4130 - Aspen Sapling Well 2.3 18 Immature N/A Cut November 2004.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	2	
Jack Pine	10	Sapling	3	
Balsam Fir	2	Sapling	3	
Quaking Aspen	8	Sapling	2	
Pin Cherry	5	Sapling	2	
Bigtooth Aspen	70	Sapling	2	18

81 612 - Lowland Coniferous Forest Poletimber Well 131.2 112 81-110 N/A

82 4319 - Mixed Upland Forest Sapling Well 16.6 28 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	1	Pole/Sapling	5		White Pine	Low	Variable	Sapling
Black Spruce	5	Sapling/Pole	4		Pin Cherry	Low	Variable	Sapling
Balsam Fir	44	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Red Maple	5	Sapling/Pole	4					
Black/Red (Hybrid) Oak	1	Pole/Log/Sap	7					
Quaking Aspen	44	Sapling/Pole	4	28				

83 6112 - Lowland Aspen Poletimber Well 7.3 45 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	62	Pole/Sapling	5	45
Black Spruce	10	Pole/Sap/Log	7	
Red Maple	15	Sapling/Pole	3	
Northern White Cedar	3	Log/Pole	10	
Balsam Fir	10	Sapling/Pole	4	

85 4319 - Mixed Upland Forest Sapling Well 3.4 18 Immature N/A Cut November 2004.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Sapling	2	18
Balsam Fir	5	Pole/Sapling	6	
Pin Cherry	10	Sapling	2	18
Black/Red (Hybrid) Oak	1	Sapling	2	
Jack Pine	44	Sapling	2	18
Red Maple	15	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92 4130 - Aspen Sapling Well 12.8 13 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1	Log/Pole	10	
White Pine	5	Log	14	
Quaking Aspen	76	Sapling	2	13
Pin Cherry	10	Sapling	2	
Black/Red (Hybrid) Oak	5	Log/XLog	14	
Jack Pine	3	Sapling	2	

93 6119 - Mixed Lowland Deciduous Forest Poletimber Well 29.3 59 51-80 N/A

Mix of red maple and aspen. A majority of the stand is wet and many areas have tag alder md marsh grasses in the understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	55	Pole/Log	9	59
Black/Red (Hybrid) Oak	5	Log/Pole	10	
Quaking Aspen	35	Pole/Log	8	59
Paper Birch	2	Pole	6	
White Pine	1	Log/Pole	10	
Balsam Fir	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Pin Cherry	Low	Variable	Sapling
Tag Alder	Medium	10 - 20 feet	Tall Shrub

94 629 - Mixed non-forested wetland Nonstocked 55.7 No

95 6112 - Lowland Aspen Poletimber Well 46.3 58 51-80 N/A

Quaking aspen stand mixed with balsam fir and red maple. Some small patches of cedar. Stand slopes down to the river. Stand is approximately half lowland and half upland with about 1/3 to 1/2 bring inoperable depending on the year.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Log/Pole	12	
Black/Red (Hybrid) Oak	3	Pole/Log	8	
Jack Pine	1	Pole/Log	8	
Quaking Aspen	74	Pole/Log/Sap	7	58
Balsam Fir	3	Pole	6	
Red Maple	17	Pole/Log/Sap	7	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling

96 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 17.6 113 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	35	Pole	7	
Northern White Cedar	35	Pole	7	113
Paper Birch	20	Pole	6	
Tamarack	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub

98 790 - Other Bare/Sparsely Vegetated Nonstocked 0.3 0 Oil/gas producing well



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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99 4131 - Aspen, Oak Sapling Well 12.6 34 Immature N/A Low quality aspen/oak stand. More oak and cherry on the west side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	20	Sapling/Pole	3		Pin Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	20	Sapling/Pole	4		White Pine	Low	Variable	Sapling
Quaking Aspen	46	Sapling/Pole	4	34				
White Pine	7	Pole/Log/Sap	8					
Jack Pine	7	Pole/Sapling	5					

100 4130 - Aspen Poletimber Well 11.5 34 51-80 N/A Poor quality quaking aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	98	Pole/Sapling	6	34	Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	1	Pole	6		Pin Cherry	Low	5 - 10 feet	Sapling
Balsam Fir	1	Pole	6		Balsam Fir	Medium	Variable	Sapling
					Balsam Fir	Low	>20 feet	Pole
					White Pine	Low	Variable	Sapling

101 4130 - Aspen Sapling Well 7.8 13 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	98	Sapling	2	13	Pin Cherry	Medium	5 - 10 feet	Sapling
Red Pine	1	Log	12		White Pine	Low	Variable	Sapling
White Pine	1	Pole/Log/Sap	6		Balsam Fir	Low	Variable	Sapling

102 6129 - Mixed Coniferous Lowland Forest Poletimber Well 9.8 113 51-80 N/A

103 629 - Mixed non-forested wetland Nonstocked 11.9 No

104 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 8.4 63 81-110 N/A Small aspen stand that wraps around an oil well. Multiple above ground oil lines present. Seasonally wet and some areas look to be inoperable.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Pole/Log	8					
Quaking Aspen	35	Pole	7	63				
Balsam Fir	20	Pole	7					
Red Maple	30	Pole/Log	8					

105 6224 - Treed Bog Nonstocked 3.9 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
106	42220 - Natural Jack Pine	Sawtimber Well	3.7	83		N/A	High water table jack pine with red maple. Seasonally wet.																																								
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108	4130 - Aspen	Sapling Medium	44.9	4	Immature	N/A																																									
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109	42210 - Natural Red Pine	Sawtimber Well	5.8	113	111-140	N/A	Very small leatherleaf depression in the northern part of the stand.																																								
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110	6225 - Bog	Nonstocked	3.5	0		No																																									
111	4130 - Aspen	Sapling Well	2.1	13	Immature	N/A	Small stand of quaking aspen saplings with mature oak and pine. Possible timber trespass.																																								
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112	4130 - Aspen	Poletimber Well	3.5	58	81-110	N/A	Mixed aspen stand with a few scattered red pine. Seasonally wet. Can hold for another 10 years if necessary.																																								
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113	6220 - Alder/willow	Nonstocked	1.1			No																																									
114	310 - Herbaceous Openland	Nonstocked	1.0				Looks like a well site.																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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115 3303 - Mixed Low Density Trees Nonstocked 12.7 No Grassy open areas mixed with patches of mixed pine and popple.

116 4311 - Pine, Aspen Mix Sawtimber Well 3.4 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	14	Log/Pole	12		Balsam Fir	Low	Variable	Sapling
White Pine	30	Log/Pole	13		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	1	XLog/Log	18					
Quaking Aspen	35	Log/Pole	10	90				
Red Maple	5	Log/Pole	12					
Balsam Fir	15	Pole	7					

117 330 - Low-Density Trees Nonstocked 14.9 No Grassy open areas with pockets of trees.

118 42210 - Natural Red Pine Sawtimber Well 2.3 113 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Ironwood	Medium	>20 feet	Sapling
Quaking Aspen	10	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole/XLog	13					
Basswood	15	Log/XLog	16					
Red Pine	60	Log	14	113				

119 4130 - Aspen Sapling Well 10.6 4 Immature N/A Cut 2019.

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	15	Sapling	1	4
Balsam Poplar	25	Sapling	1	4
Quaking Aspen	60	Sapling	1	4

120 4130 - Aspen Sapling Well 6.7 13 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	88	Sapling	2	13	Balsam Fir	Low	Variable	Sapling
Balsam Fir	2	Pole	6		Pin Cherry	Medium	5 - 10 feet	Sapling
Red Pine	3	Log/XLog	14		White Pine	Low	Variable	Sapling
Paper Birch	1	Pole/Log/Sap	7					
White Pine	2	Log/Pole	13					
Balsam Fir	3	Sapling	2					
Basswood	1	Log	15					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
121	4130 - Aspen	Poletimber Well	16.2	34	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		98	Pole/Sap/Log	7	34	Balsam Fir	
Black Cherry		1	Pole	7		Pin Cherry	
Balsam Fir		1	Pole	7		Balsam Fir	
						White Pine	
						Density	Avg. Height
						Medium	Variable
						Medium	5 - 10 feet
						Trace	>20 feet
						Low	Variable
							Sapling
							Sapling
							Pole
							Sapling
122	4130 - Aspen	Sapling Well	19.7	4	Immature	N/A	Cut 2019.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Poplar		5	Sapling	1	4		
Pin Cherry		5	Sapling	1	4		
Red Maple		5	Sapling	1	4		
Quaking Aspen		85	Sapling	1	4		
123	310 - Herbaceous Openland	Nonstocked	1.5				Oil/gas producing well.
124	4119 - Mixed Northern Hardwoods	Poletimber Well	13.8	58	81-110	N/A	Red maple pole timber stand mixed with some oak, birch, aspen and a few pockets of pine. High water table. There is a small bog and multiple vernal pools found within stand. The red pine is in the southern part of the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		5	Pole/Log/Sap	7		Balsam Fir	
Black/Red (Hybrid) Oak		5	Log	12		Red Maple	
Red Pine		5	Log/XLog/Pole	14			
Balsam Fir		7	Pole	6			
Quaking Aspen		10	Pole/Log	8			
Red Maple		68	Pole/Log	8	58		
						Density	Avg. Height
						High	Variable
						Medium	Variable
							Sapling
							Sapling
126	310 - Herbaceous Openland	Nonstocked	0.5				Old well pad site.
127	4110 - Sugar Maple Association	Sawtimber Well	32.3	113	81-110	N/A	Nice stand of Hard Maple and Basswood. Stand was thinned in 1989 and 2020. Trace amounts of aspen and yellow birch in the canopy. There are multiple pipelines throughout stand. EAB has eliminated the ash component.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		1	Log/Pole	13		Ironwood	
Basswood		39	Log/XLog/Pole	14		Sugar Maple	
Sugar Maple		60	Log/Pole	12	113		
						Density	Avg. Height
						Low	10 - 20 feet
						Low	Variable
							Sapling
							Sapling
128	6111 - Lowland Balsam Poplar	Poletimber Well	2.4	63	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Poplar		50	Pole	7	63	Balsam Fir	
Balsam Fir		40	Pole	5		Tag Alder	
Paper Birch		10	Pole	5			
						Density	Avg. Height
						Low	Variable
						Low	5 - 10 feet
							Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
129	6229 - Mixed lowland shrub	Nonstocked	13.4			No	
	Tag Alder	Full	10 - 20 feet	Tall Shrub			
130	3102 - Grass	Nonstocked	1.3	0			Oil/gas producing well
131	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.8	0			Oil/gas producing well
132	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.6	0			Oil/gas producing well
133	3102 - Grass	Nonstocked	0.7	0			Oil/gas producing well
134	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.6	0			Oil/gas producing well
135	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0	0			Oil/gas producing well.
136	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.5	0			Oil/gas producing well
137	3102 - Grass	Nonstocked	0.5	0			Oil/gas producing well
138	3102 - Grass	Nonstocked	0.1	0	Immature		Oil/gas producing well
139	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.4	0			Oil/gas producing active well.
140	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.8	0			Oil/gas producing well
141	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.6	0			Oil/gas producing well
142	3102 - Grass	Nonstocked	0.6	0			Capped well 2015. Permit #15542
143	310 - Herbaceous Openland	Nonstocked	0.3	0			Plugged well 4/1/16. permit #15686



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
144	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.9	0			oil/gas production
145	310 - Herbaceous Openland	Nonstocked	0.2				Oil/gas producing well.
146	330 - Low-Density Trees	Nonstocked	0.2	0			DEQ/EGLE database shows a gas/oil well in the vicinity. No real evidence of this on the ground.
152	310 - Herbaceous Openland	Nonstocked	0.4	0			Old well site.