



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71056

Entry Year 2018

Acreage: 1,621

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2016-06-07

Stand Examiner: Jason Lewicki

Legal Description:

T23N, R01W Section 17, 18, 19 and 20

Identified Planning Goals:

Vegetation management in the AuSable Outwash management area (MA) (Figure 4.25.1) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including several state wildlife area floodings, the Roscommon Forest Fire Experiment Station, 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:

Soils on the uplands consist of Grayling, Saugatuck and Rubicon sands. Lowlands are primarily Rifle Peat. Topography is generally flat to slightly rolling.

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

There are no private land holdings within the compartment boundaries. The south and east ends of the compartment border the St Helen Shooting club property.

Unique Natural Features:

None Known

Archeological, Historical, and Cultural Features:

Potential for native American sites along the lakeshore.

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

Lake St. Helen lies just to the south of the compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 17-20, T23N R1W, Roscommon County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the state. Most of the good gravel pits are associated with upland areas. Much of the compartment is covered by wetlands and sand and gravel potential appears to be limited. The St. Helen/Carter Pit (NM Lease 121) is located approximately two miles to the west. Active oil and gas production is greater than three miles away. However, all state parcels in sections 18 and 19 are currently leased for oil and gas exploration and development.

Vehicle Access:

Vehicle access on the central and western portions of the compartment are very good. The eastern portion of the compartment is blocked by private property and a large wetland complex.

Survey Needs:

Possible surveys needed for harvesting operations on stand 16

Recreational Facilities and Opportunities:

Dispersed recreation occurs throughout the compartment from berry / mushroom picking to hunting.

Fire Protection:**Additional Compartment Information:****The following reports from the Inventory are attached:**

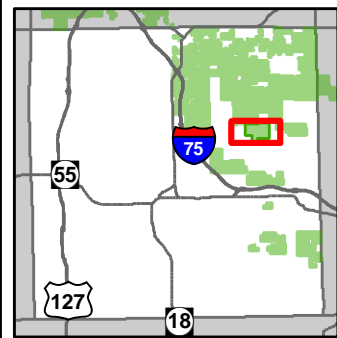
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

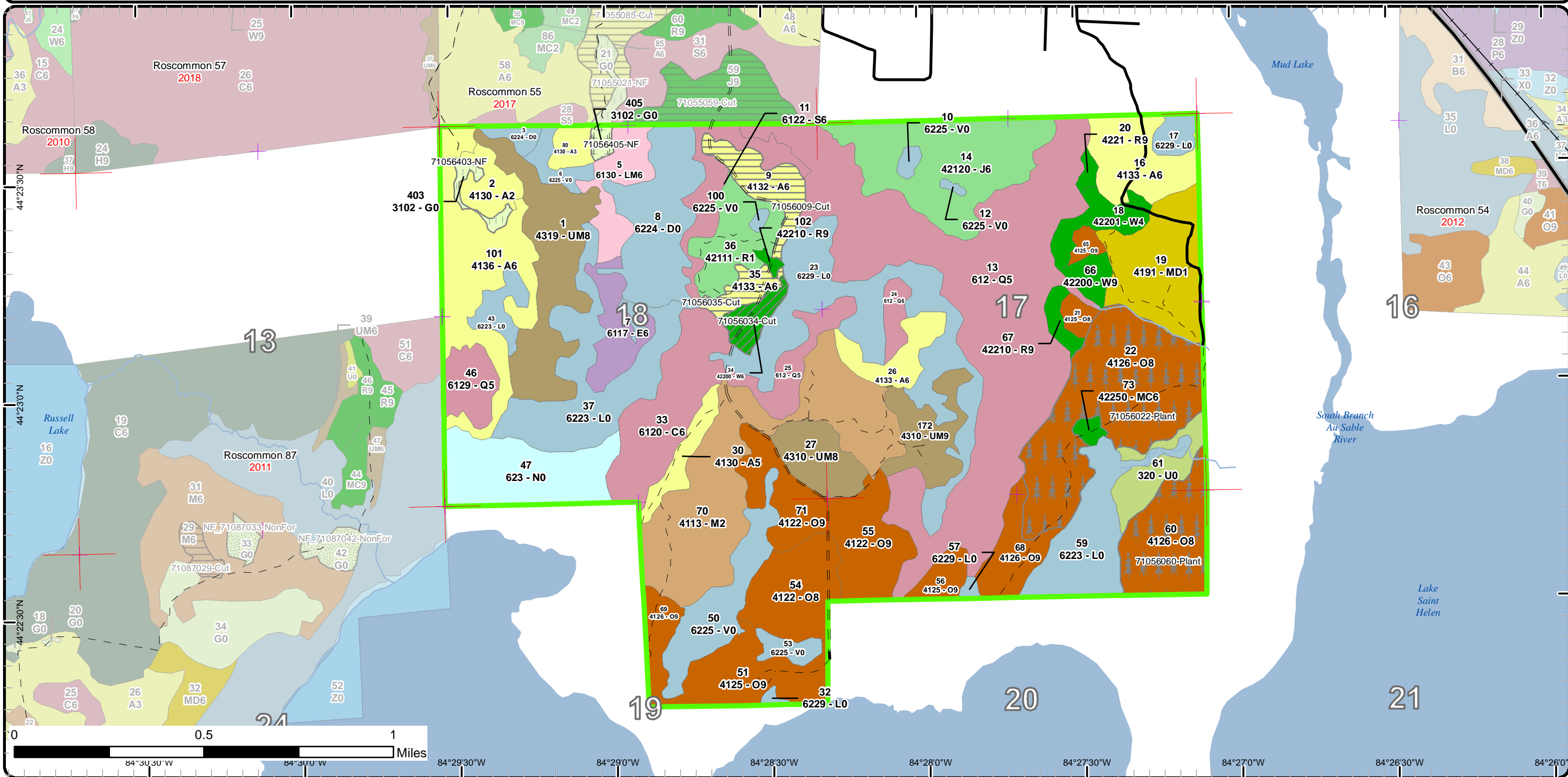
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 56
 T23N, R01W, Sec. 17-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2018
 Acres: 1621 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review

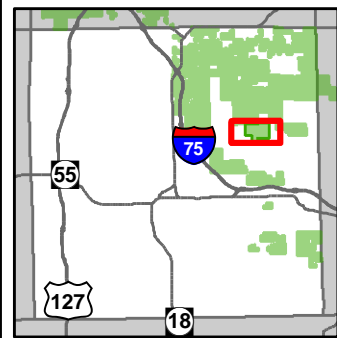


- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Active Railroad
- Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Planting (tree species)
- Other Treatment - See Comments
- Opening Maintenance
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

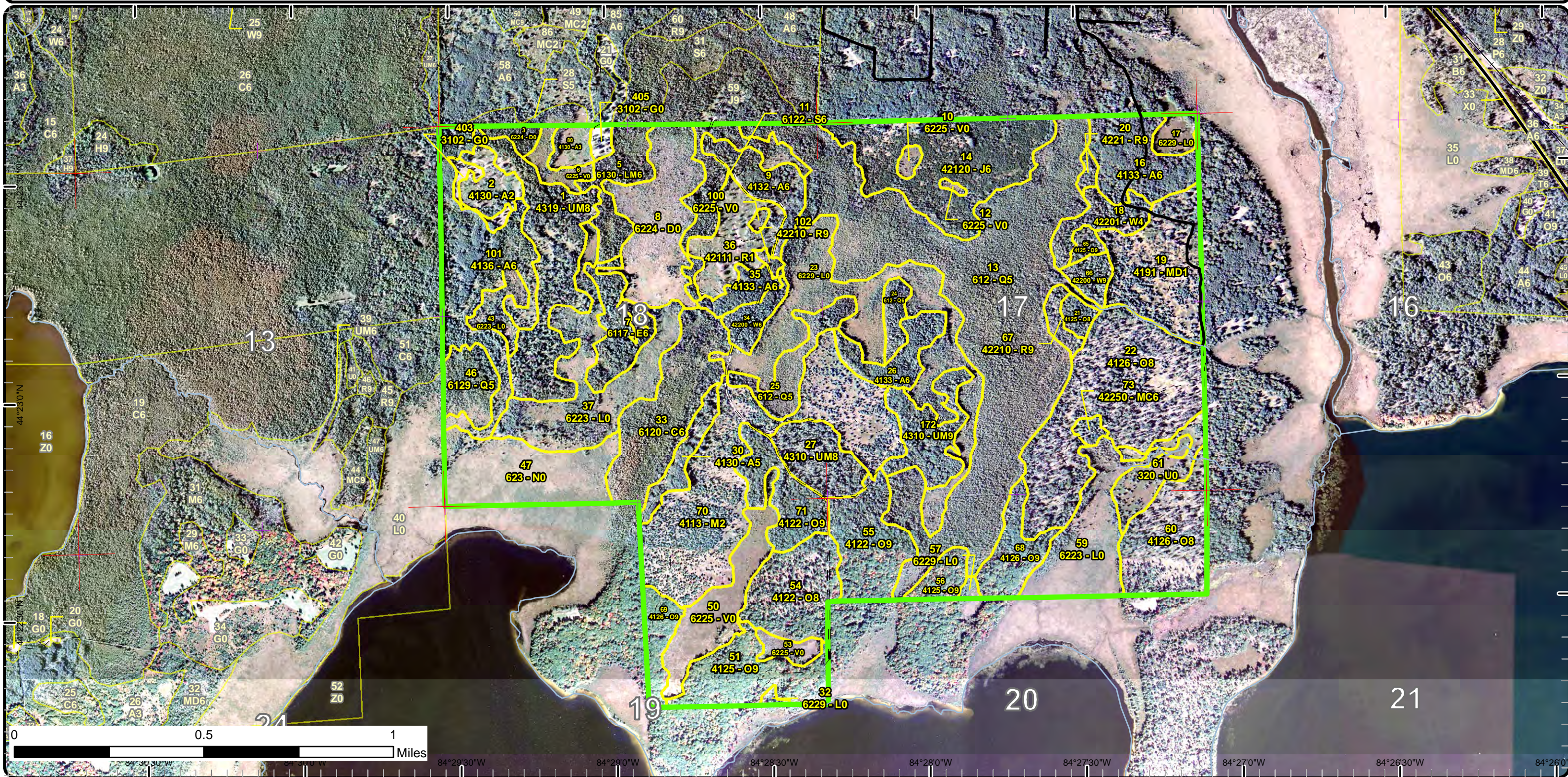


Stand Boundary Map

Compartment: 56
 T23N, R01W, Sec. 17-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2018
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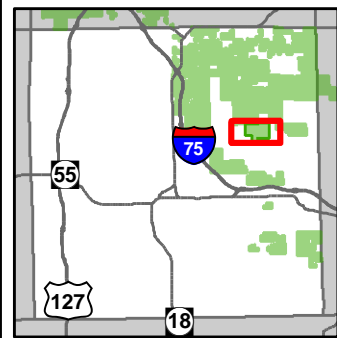


- Miris Corners
- + Remonumented Section Corners
- Paved Roads
- Gravel Roads
- - Poor Dirt Roads
- + Active Railroad
- Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland

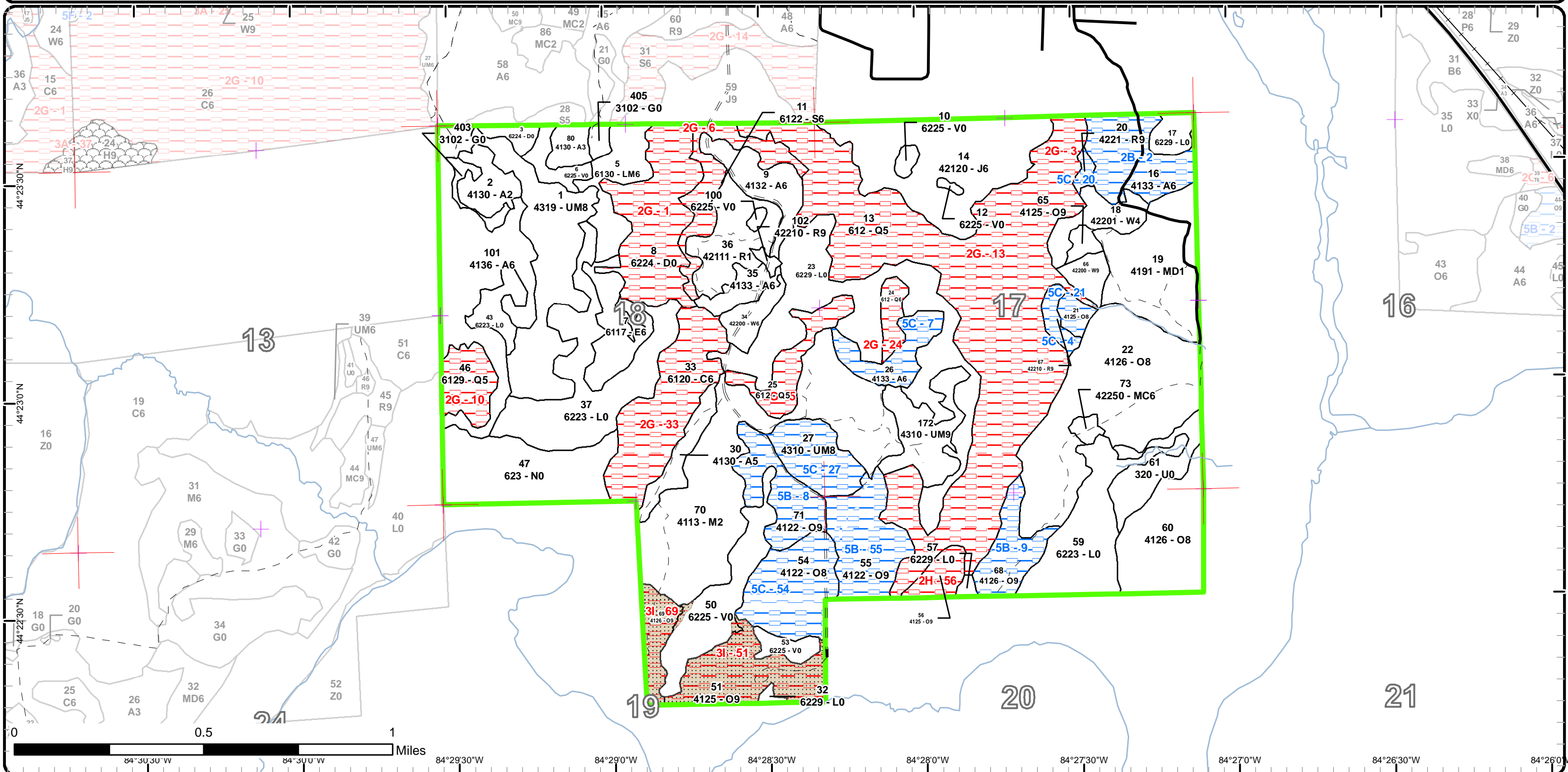


Special Conservation Areas & Site Conditions Map

Compartment: 56
 T23N, R01W, Sec. 17-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2018
 Acres: 1621 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review



- Miris Corners
 - + Remonumented Section Corners
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Active Railroad
 - Rivers
 - SCA Proposed
 - Available w/ Constraints
 - Unavailable
 - Cultural Use Area
- 2G: Too wet (sensitive soils, does not include access issues)
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 3I: Historical / archeological (add locked comments)



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 56 Year of Entry 2018



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	20	0	59	0	39	16	31	0	0	0	0	0	0	0	0	0	0	165
Bog	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	0	48
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Conifers	0	0	0	0	0	0	16	0	0	18	7	0	0	224	0	0	0	0	265
Lowland Deciduous	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	19
Lowland Mixed Forest	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	21
Lowland Shrub	205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	205
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	21
Marsh	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Mixed Upland Deciduous	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Natural Mixed Pines	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Northern Hardwood	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102
Oak	0	0	0	0	0	0	0	0	0	0	0	0	12	297	0	0	0	0	309
Red Pine	0	26	0	0	0	0	0	2	0	0	6	3	0	0	0	0	0	0	36
Treed Bog	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Upland Mixed Forest	0	0	0	0	0	0	24	0	55	0	0	0	0	22	0	0	0	0	101
Upland Shrub	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
White Pine	0	0	0	0	0	0	14	9	0	0	7	0	0	0	0	0	0	0	30
Total	382	46	102	175	0	39	73	42	95	18	20	3	33	591	0	0	0	0	1618



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2018

Compartment 56
Total Compartment Acres: 1,621

Acres of Harvest

Commercial Harvest - 37
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	28	0	0	0	0	0	0	0	0	28
White Pine	0	0	0	0	0	9	0	0	0	9
Total	28	0	0	0	0	9	0	0	0	37

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	37	0	134	0	0	0	0	7		178
Next Step	0	134	134	0	0	0	295	0	7	569
Total	37	134	267	0	0	0	295	0	15	747



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	Approval Status
9	71056009-Cut	18.7	4132 - Aspen, Jack Pine	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest with 2" spec. Leave 1-3 scattered pine per acre. Create brush piles along swamp edges for Snowshoe hare habitat. Use
Specs: drumming log spec. Leave pockets or islands of aspen and conifers for retention.

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

Acceptable Aspen at fully stocked levels. Accept some areas to have some hardwood and jack pine regeneration mixed in.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

22	71056022- Plant	93.0	4126 - White, Black, N. Pin Oak	Sawtimber Medium	127	1-50	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Trench and plant red pine.
Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable fully stocked red pine stand.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

34	71056034-Cut	9.2	42200 - Natural White Pine	Poletimber Well	67	111- 140	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to promote growth on sawtimber white pine. Target 70 -90BA
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

35	71056035-Cut	8.9	4133 - Aspen, Mixed Pine	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand with a 2" spec and manage for aspen. Leave 1-3 scattered pine per acre where applicable. Create brush piles along SW swamp
Specs: edge for rabbitat. Use drumming log specs. Leave an island of aspen for retention.

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

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017



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	Approval Status
60	71056060- Plant	40.6	4126 - White, Black, N. Pin Oak	Sawtimber Medium	127	1-50	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription Trench and plant Red Pine.Specs:Next Step SitePrep, Trenching; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)Treatments:Acceptable A fully stocked red pine plantation.Regen:OtherComment:Proposed Start Date: 10/01/2017

403	71056403-NF	4.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 15.Specs:Next Step NonForestMgt, MowingTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2017

405	71056405-NF	3.0	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	3102 - Grass		Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 14.Specs:Next Step NonForestMgt, Herbaceous/Crop/Grass PlantingTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 177.7**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 56
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2B	5B	5C	2G	2H	3I	
166	118	48	0	Aspen	31		16				
51	50	0	1	Bog							1
48	0	0	48	Cedar				48			
7	7	0	0	Herbaceous Openland							
68	68	0	0	Jack Pine							
265	0	0	265	Lowland Conifers				265			
19	19	0	0	Lowland Deciduous							
21	21	0	0	Lowland Mixed Forest							
205	205	0	0	Lowland Shrub							
21	0	0	21	Lowland Spruce/Fir				21			
47	47	0	0	Marsh							
48	48	0	0	Mixed Upland Deciduous							
3	3	0	0	Natural Mixed Pines							
102	102	0	0	Northern Hardwood							
309	137	115	56	Oak		71	45		9		47
36	28	8	0	Red Pine			8				
54	5	0	49	Treed Bog				49			
101	79	22	0	Upland Mixed Forest			22				
18	18	0	0	Upland Shrub							
31	31	0	0	White Pine							
1,621	987	193	441	Total Forested Acres	31	71	91	384	9		48
	61%	12%	27%	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)	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: very wet treed bog							

Report 4 – Site Conditions

Roscommon Mgt. Unit
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Year of Entry: 2018

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 56
Year of Entry: 2018

7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	212	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
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Compartment: 56
Year of Entry: 2018

21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	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:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	3I: Historical / archeological (add locked comments)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
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Compartment: 56
Year of Entry: 2018

54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	3I: Historical / archeological (add locked comments)	13	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
	Cultural or Customary Use Area	Cultural Use Area	Proposed SCA	48
Comments				
Historic Value area				
	Cultural or Customary Use Area	Cultural Use Area	Proposed SCA	48
Comments				
Historic Value area				



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
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S
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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 56
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4319 - Mixed Upland Forest	Sawtimber Medium	55.2	71	51-80	
2	4130 - Aspen	Sapling Medium	12.7	7	Immature	Cut summer of 2010. Scattered red pine super canopy . Aspen found in pockets. Stand has been trenched and planted to red pine. Large raptor nest in a red pine snag.
5	6130 - Fir, Aspen, Maple	Poletimber Well	20.8	76	81-110	old comment:North end is aspen, red pine and red maple mix with white pine understory. Some areas of low ground mixed with swamp conifers and tag alder.
7	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	19.0	71	81-110	
9	4132 - Aspen, Jack Pine	Poletimber Well	18.7	46	51-80	Low quality aspen stand with scattered jack pine and balsam/spruce. Trace amounts of red and white pine.
11	6122 - Black Spruce	Poletimber Well	21.4	111	81-110	
13	612 - Lowland Coniferous Forest	Poletimber Medium	224.4	126	51-80	
14	42120 - Planted Jack Pine	Poletimber Well	68.3	24	1-50	
16	4133 - Aspen, Mixed Pine	Poletimber Well	31.3	66	81-110	Only access is across St. Helen Shooting club property.
18	42201 - Natural White Pine, Mixed Deciduous	Poletimber Poor	14.4	56	51-80	Old comment: W4/W3 stand along edge of U type.
19	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	48.0	28	Immature	U type with scattered red maple, white pine and young aspen clones. Stand appears to have been cut at one time and then hit by wildfire RX burn????
20	4221 - Natural Red Pine	Sawtimber Well	2.5	106	81-110	old comment: small stand along swamp of natural red pine with some white pine in understory
21	4125 - Black, N. Pin Oak	Sawtimber Medium	4.8	126	81-110	Oak/red maple stand with white pine understory. Scattered mature red pine. Some white pine entering pole size.
22	4126 - White, Black, N. Pin Oak	Sawtimber Medium	93.0	127	1-50	Shelterwood/seed tree cut last entry. All white pine was left. All oak stump sprouts have been eaten by deer. No oak regeneration present. Some maple sprouts have made it above browse height. Possibly plant red pine.
24	612 - Lowland Coniferous Forest	Poletimber Well	7.2	91	1-50	
25	612 - Lowland Coniferous Forest	Poletimber Medium	17.6	81	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4133 - Aspen, Mixed Pine	Poletimber Well	16.4	58	81-110	
27	4310 - Pine, Oak Mix	Sawtimber Medium	21.8	122	1-50	Stand was seed tree cut in 2008 leaving about 10-20 BA of oak and all the pine. Some scattered stump sprout oak. White pine of variable heights and ages dominate the understory.
30	4130 - Aspen	Poletimber Medium	11.4	47	51-80	Small narrow stand of primarily bigtooth aspen. Some scattered oak and pine. North end is primarily low quality quaking aspen. Possibly harvest for MA aspen goals.
33	6120 - Lowland Cedar	Poletimber Well	48.4	126	111-140	Variable swamp conifer stand. Areas of nice, thick cedar poletimber.
34	42200 - Natural White Pine	Poletimber Well	9.2	67	111-140	High density white pine stand transitioning to logs. If adjacent aspen stands are harvested, apply a crown thinning. Thin white pine down to 70-90 BA
35	4133 - Aspen, Mixed Pine	Poletimber Well	8.9	47	51-80	Low quality quaking aspen pole timber stand mixed with pine. Some bigtooth present. Possible harvest to meet MA guidelines.
36	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	26.1	5	Immature	
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	16.0	56	1-50	
51	4125 - Black, N. Pin Oak	Sawtimber Well	34.5	127	111-140	Area is known as "Hippie Camp" and has heavy vehicle traffic from dispersed camping. Little to no oak regeneration. Some scattered white pine regeneration, more towards the west side and along swamp edges.
54	4122 - Oak, Pine	Sawtimber Medium	34.5	122	1-50	Primarily white oak stand that was shelter wood/seed tree cut last entry. Most of the black oak was removed. All the white pine was left. All the oak stump sprouts have been eaten by the deer. No oak regeneration is present. There seems to be a fair amount of new white pine regeneration since the harvest.
55	4122 - Oak, Pine	Sawtimber Well	32.5	127	81-110	CROP TREE RELEASE CUT FOR WP MGMT IN 1971(ol comment). Red/White oak with thick white pine understory. More white pine the further east you go with less oak and more red maple. Some young red maple clumps probably from 1971 cut, a few scattered large red pines. A few wetter areas dominated by white pine. A few hemlock on east edge along swamp. Damage to white pine would be excessive if oak was harvested now. Wait until white pine is merchantable before entering stand.
56	4125 - Black, N. Pin Oak	Sawtimber Well	9.1	126	81-110	A pocket of hemlock on the north swamp edge.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4126 - White, Black, N. Pin Oak	Sawtimber Medium	40.6	127	1-50	Stand was seed tree cut last entry. Oak wilt was present in the stand. Deer have severely impacted oak regeneration. No oak regeneration is present whatsoever. Oak stump sprouted but all were browsed. Stand is dominated by white oak saw timber.
65	4125 - Black, N. Pin Oak	Sawtimber Well	3.7	121	81-110	Mixed oak stand with red maple and white pine. Scattered red pine and red pine in clumps. No access.
66	42200 - Natural White Pine	Sawtimber Well	7.3	96	81-110	Red and white pine stand. Some large white pines. Heavy white pine understory. Some scattered cedar poletimber.
67	42210 - Natural Red Pine	Sawtimber Well	5.5	96	81-110	Natural red pine stand with white pine understory.
68	4126 - White, Black, N. Pin Oak	Sawtimber Well	19.0	122	111-140	Nice quality black and white oak stand with heavy white pine understory.
69	4126 - White, Black, N. Pin Oak	Sawtimber Well	12.4	117	111-140	Nice stand of old black and white oak. Good quality black oak with a little bit of red mixed in. Old notes say potential old growth due to native american indian site on the shores of Lake St. Helen.
70	4113 - R.Maple, Conifer	Sapling Medium	102.1	18	Immature	1998 oak clearcut that failed in regenerating oak. Open areas were planted to red pine in 2008 or 2009. Stand is dominated by red maple clumps.
71	4122 - Oak, Pine	Sawtimber Well	24.7	122	81-110	CROP TREE CUT IN 1963 TO RELEASE WP UNDERSTORY(old notes). Stand of old oak and white pine. Some red pine scattered and along bog edges on the north end. Heavy sub merchantable white pine in the sub canopy.
73	42250 - Pine, Oak	Poletimber Well	3.0	56	51-80	
80	4130 - Aspen	Sapling Well	7.2	7	Immature	Cut summer of 2010
101	4136 - Aspen, Mixed Conifer	Poletimber Well	59.4	28	Immature	
102	42210 - Natural Red Pine	Sawtimber Well	1.6	69	111-140	THINNED IN 2010
172	4310 - Pine, Oak Mix	Sawtimber Well	24.3	57	111-140	Stand of old black and white oak overtopping pole timber white pine. Some white pine understory just entering small pole timber. Some patches more to oak overstory while others are heavier to white pine overstory. Some scattered red pine. Some large diameter white pine also.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6224 - Treed Bog	4.6	No	OPIC - FMD: Bog with scattered small white pine and spruce throughout.
6	6225 - Bog	7.7	No	OPIC - FMD: Bog with scattered small white pine and spruce throughout.
8	6224 - Treed Bog	49.3	No	OPIC - FMD: Cedar, Black Spruce, Balsam fir Tamarack swamp. Understory is a mix of all swamp conifers and tag alder. An occasional red maple and black ash. Very wet, standing water in stand at time of inventory.
10	6225 - Bog	2.6	No	
12	6225 - Bog	1.0	No	
17	6229 - Mixed lowland shrub	6.9	No	
23	6229 - Mixed lowland shrub	82.8	No	
32	6229 - Mixed lowland shrub	1.3	No	OPIC - FMD: OI Stand Year Origin was
37	6223 - Inundated Shrub Swamp	60.4	No	OPIC - FMD: OI Stand Year Origin was
43	6223 - Inundated Shrub Swamp	10.0	No	OPIC - FMD: Wet tag alder with some white pine and red maple
47	623 - Emergent Wetland	47.2	No	
50	6225 - Bog	32.0	No	OPIC - FMD: Bog between two oak ridges to the east and the west.
53	6225 - Bog	6.1	No	OPIC - FMD: V type with some lowland brush growing in some areas
57	6229 - Mixed lowland shrub	1.6	No	OPIC - FMD: OI Stand Year Origin was
59	6223 - Inundated Shrub Swamp	42.0	No	OPIC - FMD: OI Stand Year Origin was
61	320 - Upland Shrub	18.0	No	OPIC - FMD: OI Stand Year Origin was 1991
100	6225 - Bog	1.3	No	OPIC - FMD: small bog with some spruce and jack pine along edges.
403	3102 - Grass	4.3	Yes	OPIC - FMD: Maintained opening #15



Stand	Cover Type	Acres	Managed Site	General Comments:
405	3102 - Grass	3.0	Yes	OPIC - FMD: Maintained opening #14. Stretches into compartment to the north