



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71099

Entry Year 2019

Acreage: 1,285

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2017-08-02

Stand Examiner: Jason Lewicki

Legal Description:

T22N, R01W Sections 5, 6 and 8

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 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:

Upland soils consist of Croswell and AuGres sand along with Wakely-Allendale complex. Lowlands are dominated by Tawas Lupton, Tawas Leafriver, and Deford-Kinross mucks. The topography is very flat.

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

Much of this compartment and areas to the north are under State Ownership. I-75 runs along its south edge.

Unique Natural Features:

The potential for a Northern Wet Meadow exists within this compartment.

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

There are multiple beaver floodings found within the compartment. The headwaters of Cameron Creek are found in the north west part of the compartment.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species. Area offers wet areas for beavers and other pond wildlife.

Mineral Resource and Development Concerns and/or Restrictions

TAs most of the good sand/gravel pits are associated with upland areas, potential within the compartment appears to be limited. The abandoned Denton Creek Field is located four miles to the southwest. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The nearest exploration well is two miles to the west. Three parcels in Section 8 are currently leased for oil and gas exploration and development. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access is very poor throughout the compartment due to low ground.

Survey Needs:

None

Recreational Facilities and Opportunities:

No designated recreation trails exist within the compartment. Where the public have access, the area provides ample hunting opportunities for deer, rabbit and other game species. Continue to utilize forest management efforts to address resource damage areas.

Fire Protection:

No fire protection issues.

Additional Compartment Information:

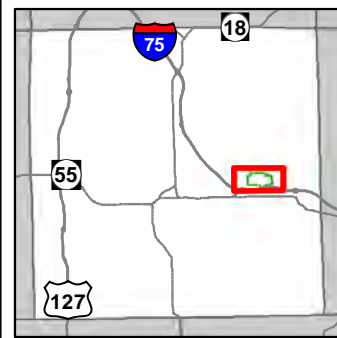
The following reports from the Inventory are attached:

- 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:

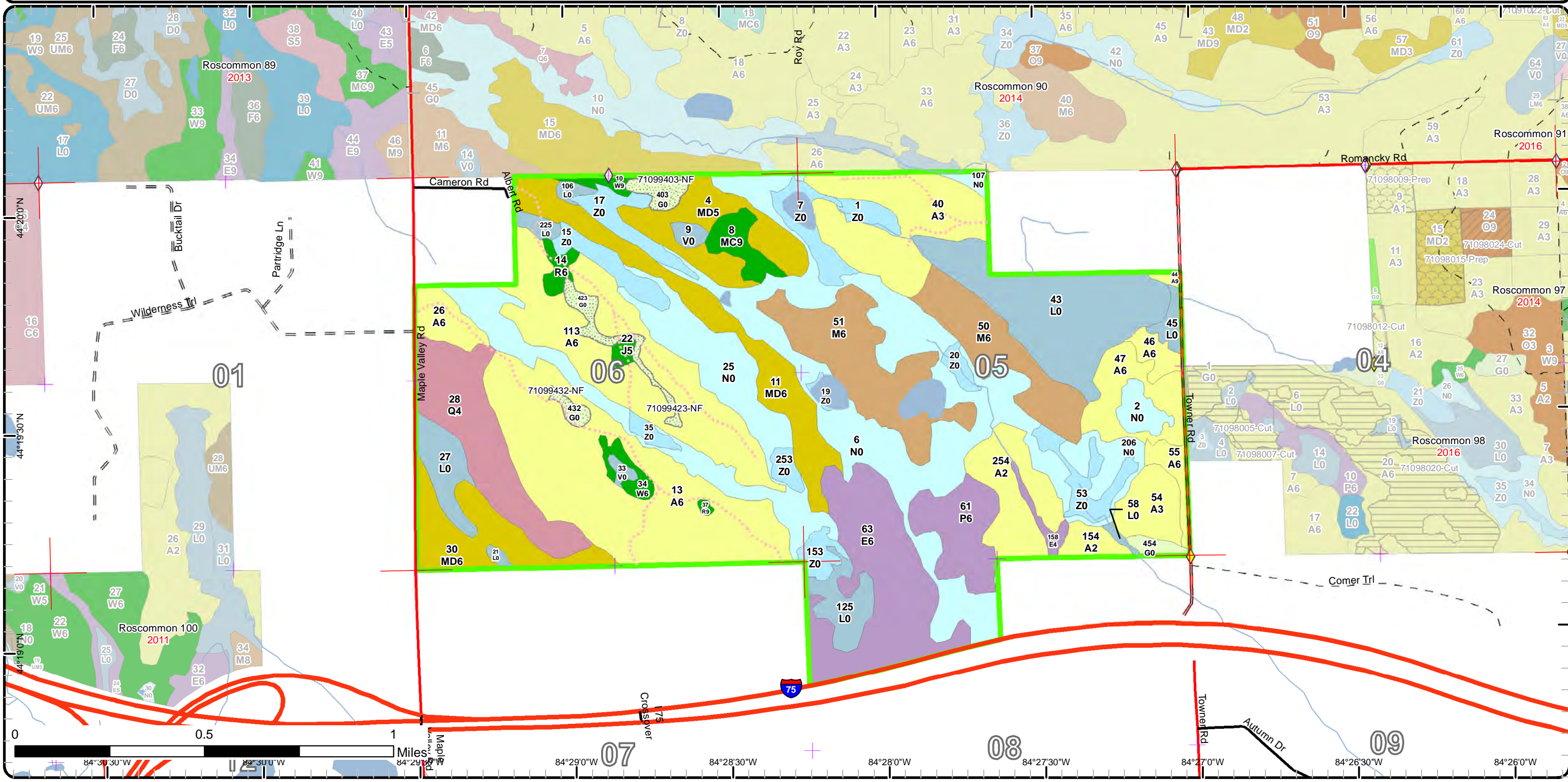
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



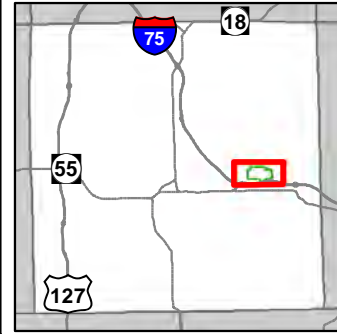
Compartment: 99
 T22N, R01W, Sec. 05-06
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1285.4 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 8/2/2017
 Map Phase: Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- - - Counties
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- - - Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- ▨ Mowing
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

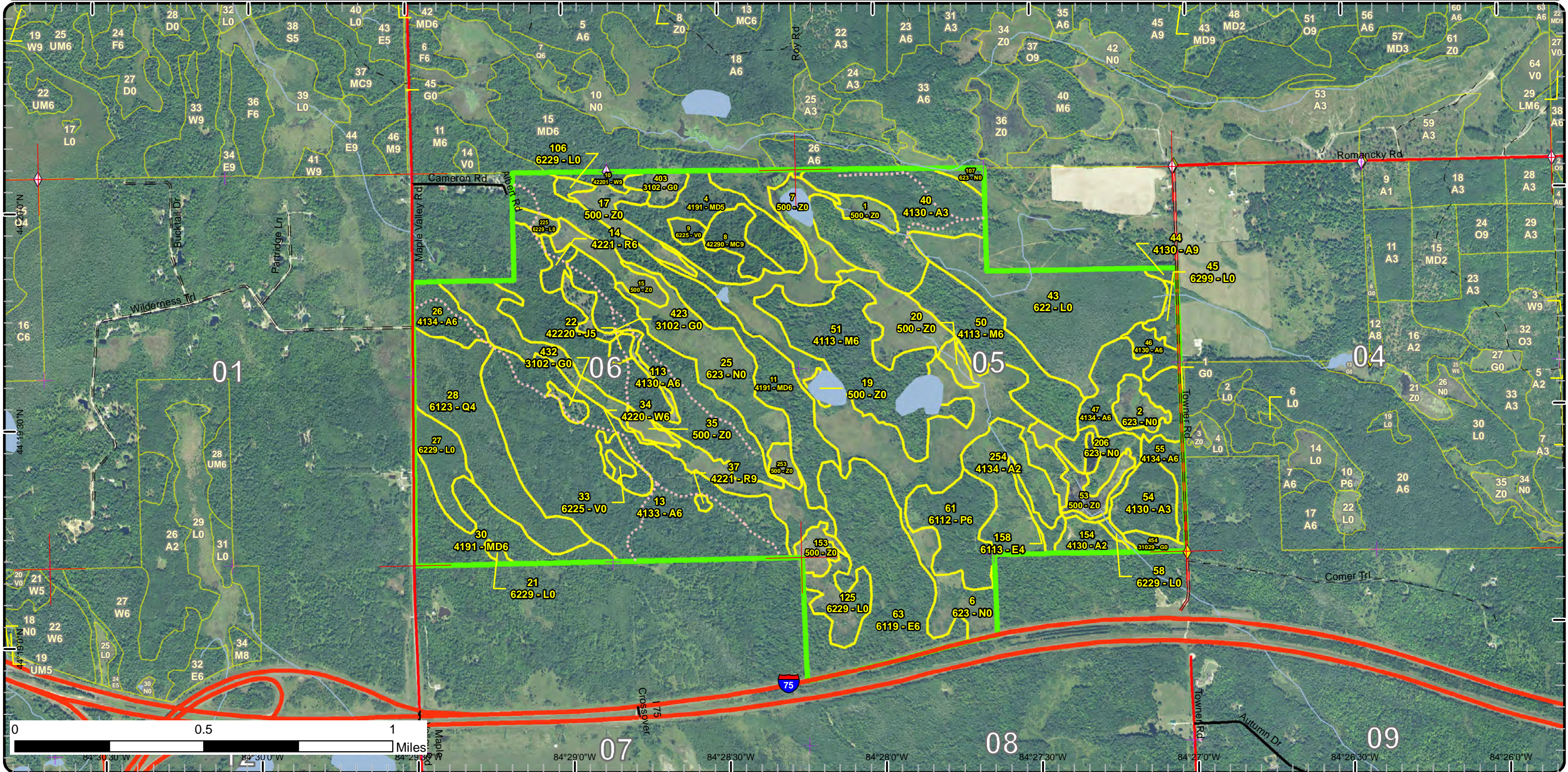


Stand Boundary Map

Compartment: 99
 T22N, R01W, Sec. 05-06
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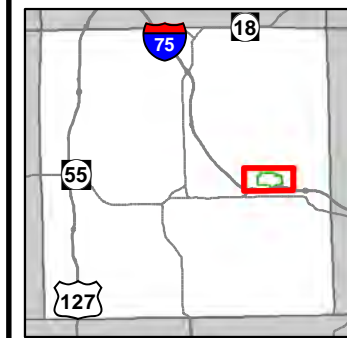


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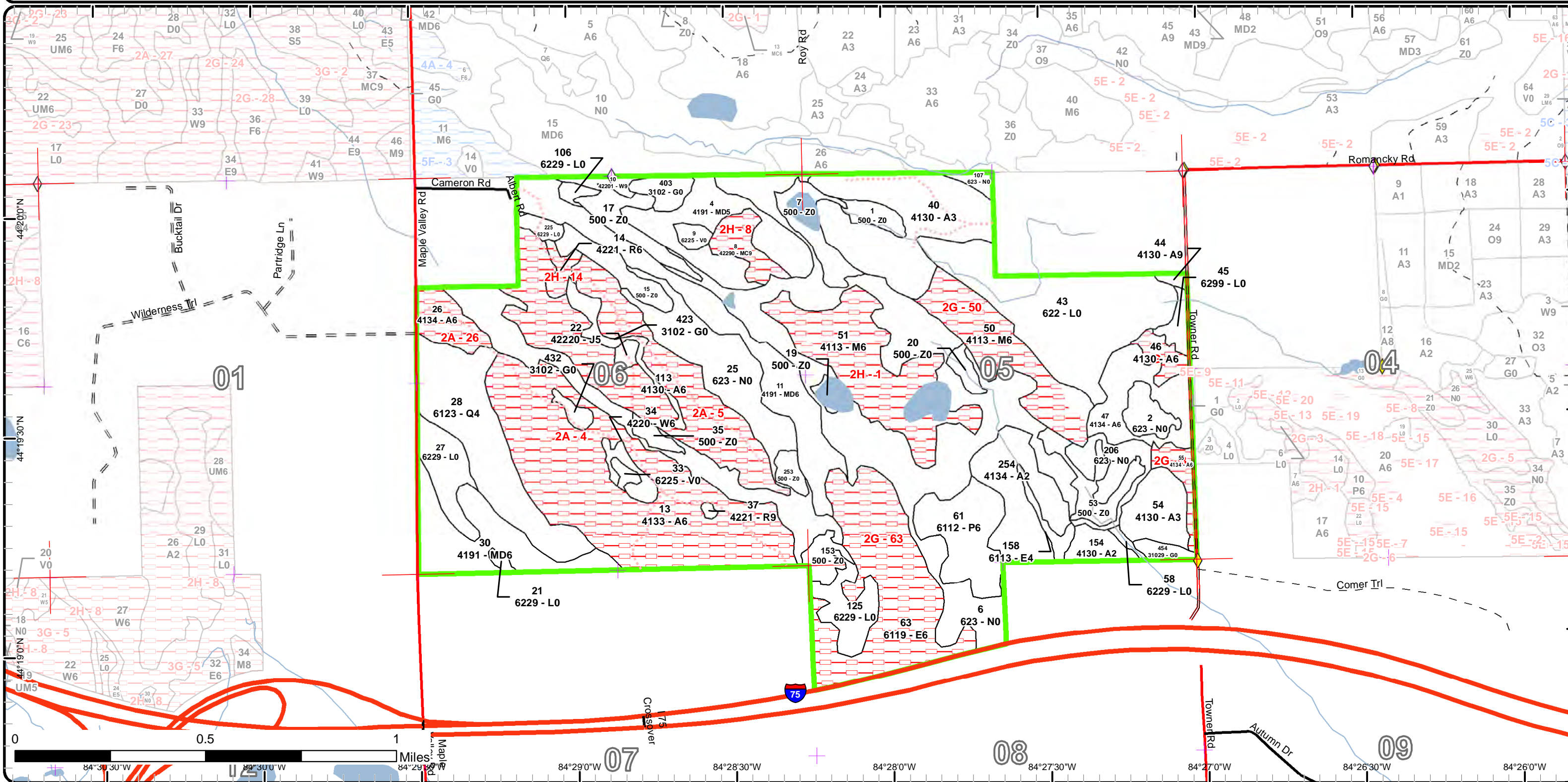


Special Conservation Areas & Site Conditions Map

Compartment: 99
 T22N, R01W, Sec. 05-06
 County: Roscommon
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- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 99 Year of Entry 2019



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	0	59	84	219	16	0	0	0	0	13	0	0	0	0	0	0	0	391
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Jack Pine	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Conifers	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	54
Lowland Deciduous	0	0	0	0	0	0	4	0	0	0	0	0	76	0	0	0	0	0	80
Lowland Shrub	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
Marsh	249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	249
Mixed Upland Deciduous	0	0	0	0	87	0	0	37	0	0	0	0	0	0	0	0	0	0	124
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Northern Hardwood	0	0	0	0	0	0	0	60	0	40	0	0	0	0	0	0	0	0	100
Red Pine	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Water	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
White Pine	0	0	0	0	0	0	6	0	4	0	0	0	0	0	0	0	0	0	10
Total	477	0	59	84	336	16	16	40	118	0	65	0	76	0	0	0	0	0	1286



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 99
Total Compartment Acres: 1,285

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

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	0	0	0	0	0	0	0	0	18	18
Next Step	0	0	0	0	0	0	0	0	27	27
Total	0	0	0	0	0	0	0	0	45	45



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
403	71099403-NF	6.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal

Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Nine Mile Field 1.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

423	71099423-NF	8.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Nine Mile Field 2.

Specs:

Next Step NonForestMgt, Mowing; NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

432	71099432-NF	3.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Nine Mile Field 3.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 18.2**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 99
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		2A	2G	2H
392	145	0	247	Aspen	232	15	
5	5	0	0	Bog			
22	22	0	0	Herbaceous Openland			
2	2	0	0	Jack Pine			
30	30	0	0	Lowland Aspen/Balsam Poplar			
54	54	0	0	Lowland Conifers			
80	4	0	76	Lowland Deciduous		76	
121	121	0	0	Lowland Shrub			
249	249	0	0	Marsh			
124	124	0	0	Mixed Upland Deciduous			
12	0	0	12	Natural Mixed Pines			12
99	0	0	99	Northern Hardwood		40	60
6	1	0	5	Red Pine			5
79	79	0	0	Water			
10	10	0	0	White Pine			
1,285	847		439	Total Forested Acres	232	130	76
	66%		34%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments: looks like pats are upland but it is totally surrounded by marsh and there is no accessssssss, evaluated for SBW analysis							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand may have regeneration problems if harvested due to high water table. Rutting is also a concern.							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 99
Year of Entry: 2019

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand may not regenerate well due to the high water table. Rutting is also a concern.							
4	Unavailable	2A: Adjacent landowner denied access	129	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2A: Adjacent landowner denied access	90	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2A: Adjacent landowner denied access	13	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 99
Year of Entry: 2019

50	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	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

Mgt. Unit

Compartment:

Year of Entry



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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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 99
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	35.3	38	51-80	
8	42290 - Natural Mixed Pine	Sawtimber Well	11.5	90	1-50	
10	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.9	70	81-110	
11	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	51.9	39	51-80	OPIC - FMD: OI Stand Year Origin was 1978
13	4133 - Aspen, Mixed Pine	Poletimber Well	129.4	39	1-50	OPIC - FMD: Quaking aspen stand just entering pole timber size. Some wet areas. A few scattered red and white pine. Areas of heavy balsam fir understory.
14	4221 - Natural Red Pine	Poletimber Well	4.9	57	141-170	OPIC - FMD: Small pocket of natural red pine.
22	42220 - Natural Jack Pine	Poletimber Medium	2.5	60	51-80	OPIC - FMD: Small pocket of jack pine.
26	4134 - Aspen, Spruce/Fir	Poletimber Well	13.2	91	81-110	OPIC - FMD: Mix of quaking aspen, red maple, balsam fir and paper birch. Aspen is old and is in poor shape. Some areas heavier t red maple. High water table. Final harvest, may be last chance to regenerate the aspen due to it's decline. Leave some balsam fir, paper birch and aspen scattered about. A culvert or bridge may be needed to cross the ditch - DEE,6/18/14 - no access due to private property issues, PVT east of road
28	6123 - Lowland Fir	Poletimber Poor	54.4	75	1-50	Stand was dominated by black ash..
30	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	36.8	65	51-80	Scattered overmature aspen within red maple and white pine stand. Scattered wet areas. No access due to Pvt property line being east of F-97.
34	4220 - Natural White Pine	Poletimber Well	5.8	53	111-140	
37	4221 - Natural Red Pine	Sawtimber Well	0.8	53	81-110	OPIC - FMD: OI Stand Year Origin was 1964
40	4130 - Aspen	Sapling Well	58.9	24	Immature	Some open areas are dominated by cherry and maple. Old Rail roads intersect stand
44	4130 - Aspen	Sawtimber Well	1.6	49	81-110	Bigtooth aspen to the east along the road. Balsam fir understory. Small acerage.
46	4130 - Aspen	Poletimber Well	6.9	49	51-80	Quaking aspen with heavy balsam fir. Clay soils have could have operability issues at certain times of the year. Lowland areas could pose regeneration issues due to high water table.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4134 - Aspen, Spruce/Fir	Poletimber Well	25.1	25	Immature	Thick quaking aspen stand with balsam fir understory. Some wetter areas with tag alder in the understory.
50	4113 - R.Maple, Conifer	Poletimber Well	39.6	95	81-110	Spine of higher ground dominated by red maple and balsam fir. Scattered large overmature quaking aspen. Aspen is rotten and is experiencing heavy decline and mortality. No access due to wet soils.
51	4113 - R.Maple, Conifer	Poletimber Well	59.6	75	51-80	Island or red maple with balsam fir. Heavy balsam fir understory. No access.
54	4130 - Aspen	Sapling Well	17.9	16	Immature	Stand chip harvested in 1999. Wet aspen/balsam fir stand. Areas of good aspen regeneration and areas of poor regeneration due to high water table.
55	4134 - Aspen, Spruce/Fir	Poletimber Well	7.8	49	51-80	Aspen stand with heavy balsam fir understory. Some open, wet areas of marsh. Stand has areas that could cause operability issues as well as regeneration issues.
61	6112 - Lowland Aspen	Poletimber Well	29.7	33	1-50	Old notes indicate that this stand was "habitat cut". Fairly wet stand of quaking aspen. Just entering pole timber size. Heavy balsam fir mixed in.
63	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	76.2	113	81-110	OPIC - FMD: Swamp hardwood stand made up of black ash, red maple and quaking aspen. Some pole size balsam fir and cedar. Thick balsam fir understory. Wetter areas have black ash with ash and tag alder understory. Stand underwater at time of inventory (spring thaw, snow melt). No access too wet.
113	4130 - Aspen	Poletimber Well	89.7	39	1-50	
154	4130 - Aspen	Sapling Medium	7.9	16	Immature	Stand chip harvested in 1999. Wet aspen/balsam fir stand. Areas of good aspen regeneration and areas of poor regeneration due to high water table. Some areas of non forested uplands.
158	6113 - Lowland Maple	Poletimber Poor	4.3	52	1-50	Low wet drainage with red maple and balsam fir.
254	4134 - Aspen, Spruce/Fir	Sapling Medium	33.5	16	Immature	Stand chip harvested in 1999. Wet aspen/balsam fir stand. Areas of good aspen regeneration and areas of poor regeneration due to high water table.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	500 - Water	5.8	No	
2	623 - Emergent Wetland	8.3	No	
6	623 - Emergent Wetland	141.5	No	OPIC - FMD: Large marsh land with areas of lowland brush
7	500 - Water	14.3	No	OPIC - FMD: OI Stand Year Origin was
9	6225 - Bog	3.2	No	
15	500 - Water	11.8	No	
17	500 - Water	12.6	No	
19	500 - Water	2.5	No	
20	500 - Water	3.9	No	
21	6229 - Mixed lowland shrub	1.5	No	
25	623 - Emergent Wetland	82.0	No	
27	6229 - Mixed lowland shrub	16.1	No	
33	6225 - Bog	2.0	No	
35	500 - Water	3.7	No	
43	622 - Lowland Shrub	75.4	No	
45	6299 - Lowland Shrub (OI)	5.2	No	Old beaver flooding with tag alder. Some wetter areas with cattails. Some scattered lowland tree species.
53	500 - Water	13.1	No	
58	6229 - Mixed lowland shrub	1.4	No	Low wet drainage with red maple and a few balsam fir.



Stand	Cover Type	Acres	Managed Site	General Comments:
106	6229 - Mixed lowland shrub	2.4	No	
107	623 - Emergent Wetland	2.9	No	
125	6229 - Mixed lowland shrub	15.6	No	OPIC - FMD: Wetland area with lowland brush.
153	500 - Water	6.8	No	
206	623 - Emergent Wetland	14.2	No	
225	6229 - Mixed lowland shrub	3.6	No	
253	500 - Water	4.3	No	
403	3102 - Grass	6.8	No	
423	3102 - Grass	8.3	No	Old maintained opening. No access.
432	3102 - Grass	3.1	No	Old maintained opening. No access.
454	31029 - Grass (OI)	3.9	No	OPIC - FMD: High water table, Low wet grassy area that did not regenerate to aspen after harvest.