



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71080

Entry Year 2017

Acreage: 990

County Roscommon

Management Area: Houghton Lake Wetlands

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**Revision Date:** 2015-07-16

**Stand Examiner:** Jason Lewicki

**Legal Description:**

T23N, R03W sections 22 and 23.

**Identified Planning Goals:**

Maintain current age and species diversity in a range of early and late successional ecosystems as determined by the Houghton Lake Wetlands Management Area plan.

**Soil and topography:**

Upland soils are mainly Greycalm sand. Lowlands are primarily Tawas-Lupton mucks. The compartment is generally flat.

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

This area is generally made up of larger blocks of state land mixed with private ownership. The Roscommon county airport lies just to the south of this compartment.

**Unique Natural Features:**

None known

**Archeological, Historical, and Cultural Features:**

None know.

**Special Management Designations or Considerations:**

None known

**Watershed and Fisheries Considerations:**

The cut River and Backus Creek run through this compartment.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions**

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 elsewhere in the state. Most of the good gravel pits are associated with upland areas. Nine Mile Pit is located two miles to the northeast and another large pit is two miles to the north, but the compartment is in the Backes Creek floodplain and potential appears to be limited. The entire compartment is currently leased (part of Marathon's recent lease play).

**Vehicle Access:**

Vehicle access is very poor in this compartment due to lowland soil types and private ownership blocking access.

**Survey Needs:**

Possible survey within the SE 1/4 of section 23

**Recreational Facilities and Opportunities:**

Dispersed recreational within the compartment occurs throughout the compartment for canoeing, berry / mushroom picking, large and small game hunting. Fishing, canoeing and waterfowl hunting are popular recreational pursuits likely to occur on the Cut River and Backus Creek. There is a privately owned airport located south of the compartment. Utilize forest management practices to curtail trespass issues especially those relate to resource damage by off road vehicle use.

**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:**

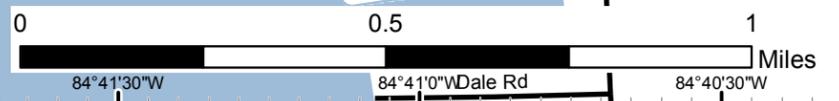
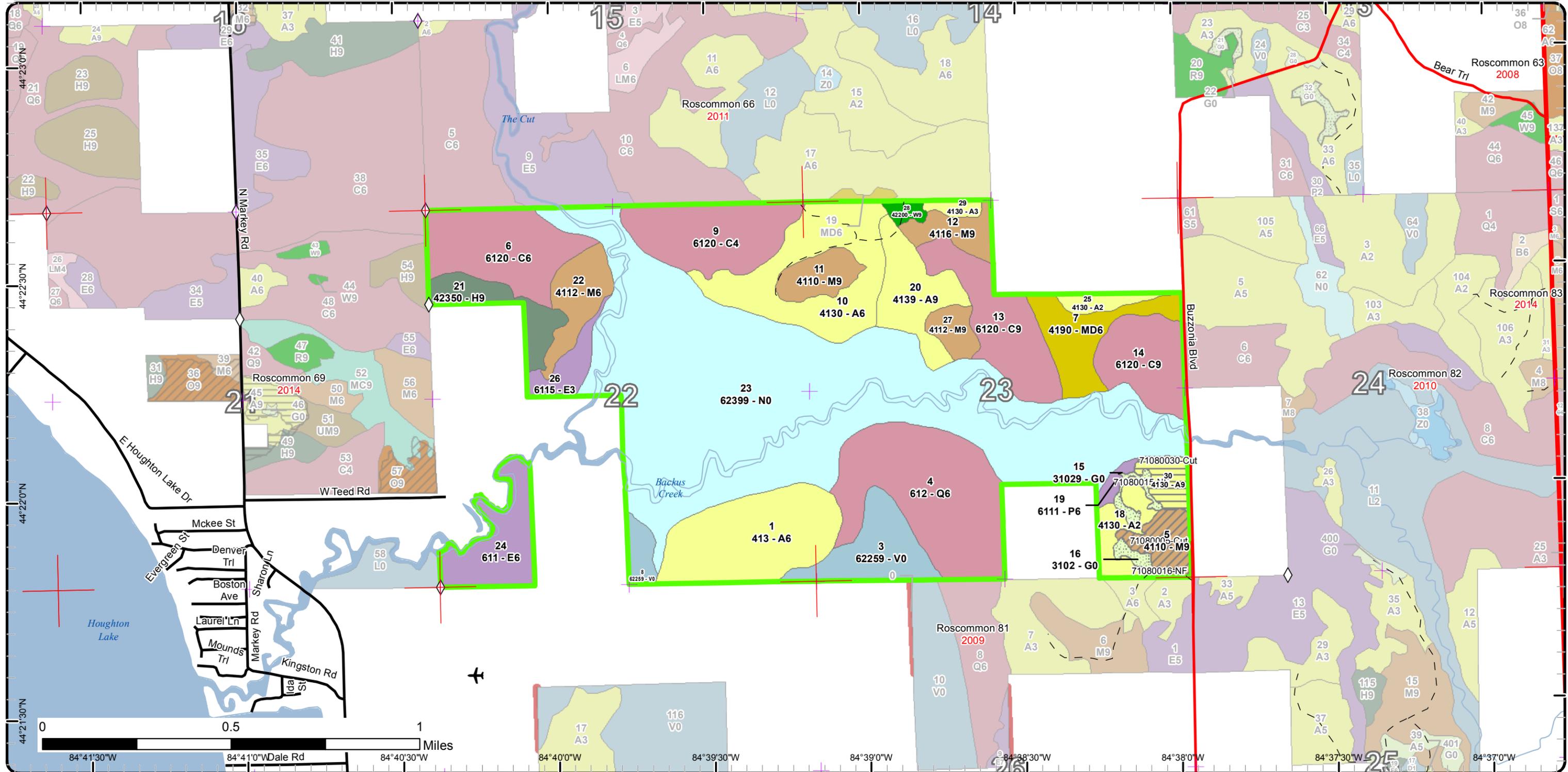
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments

Compartment: 80  
 T23N R03W 22, 23  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Houghton Lake Wetlands  
 YOE: 2017  
 Acres: 990 GIS Calculated  
 Examiner: Jason Lewicki  
 Map Revised: 7/23/2015  
 Map Phase: Pre-Review

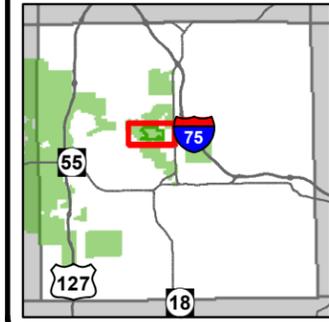


- + Remonumented Section Corners
  - ◇ Field Grade GPS Corners
  - Miris Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - - Poor Dirt Roads
  - ✈ Airport
  - Rivers
  - Lakes
  - Clearcut (w/Reserves)
  - Mowing
  - Thinning (Crown, Low, Systematic)
- | Forest Covertype   |                                 |
|--|---------------------------------|
| <span style="background-color: #c08080; width: 15px; height: 10px; display: inline-block;"></span> | 411 - Northern Hardwood         |
| <span style="background-color: #ffff00; width: 15px; height: 10px; display: inline-block;"></span> | 413 - Aspen                     |
| <span style="background-color: #90ee90; width: 15px; height: 10px; display: inline-block;"></span> | 419 - Mixed Upland Deciduous    |
| <span style="background-color: #008000; width: 15px; height: 10px; display: inline-block;"></span> | 422 - Natural Pines             |
| <span style="background-color: #6aa84f; width: 15px; height: 10px; display: inline-block;"></span> | 423 - Other Upland Conifers     |
| <span style="background-color: #9932cc; width: 15px; height: 10px; display: inline-block;"></span> | 611 - Lowland Deciduous Forest  |
| <span style="background-color: #800080; width: 15px; height: 10px; display: inline-block;"></span> | 612 - Lowland Coniferous Forest |
- | Non-Forest Covertype   |                           |
|--|---------------------------|
| <span style="background-color: #e0ffe0; width: 15px; height: 10px; display: inline-block;"></span> | 310 - Herbaceous Openland |
| <span style="background-color: #add8e6; width: 15px; height: 10px; display: inline-block;"></span> | 622 - Lowland Shrub       |
| <span style="background-color: #e0ffff; width: 15px; height: 10px; display: inline-block;"></span> | 623 - Emergent Wetland    |

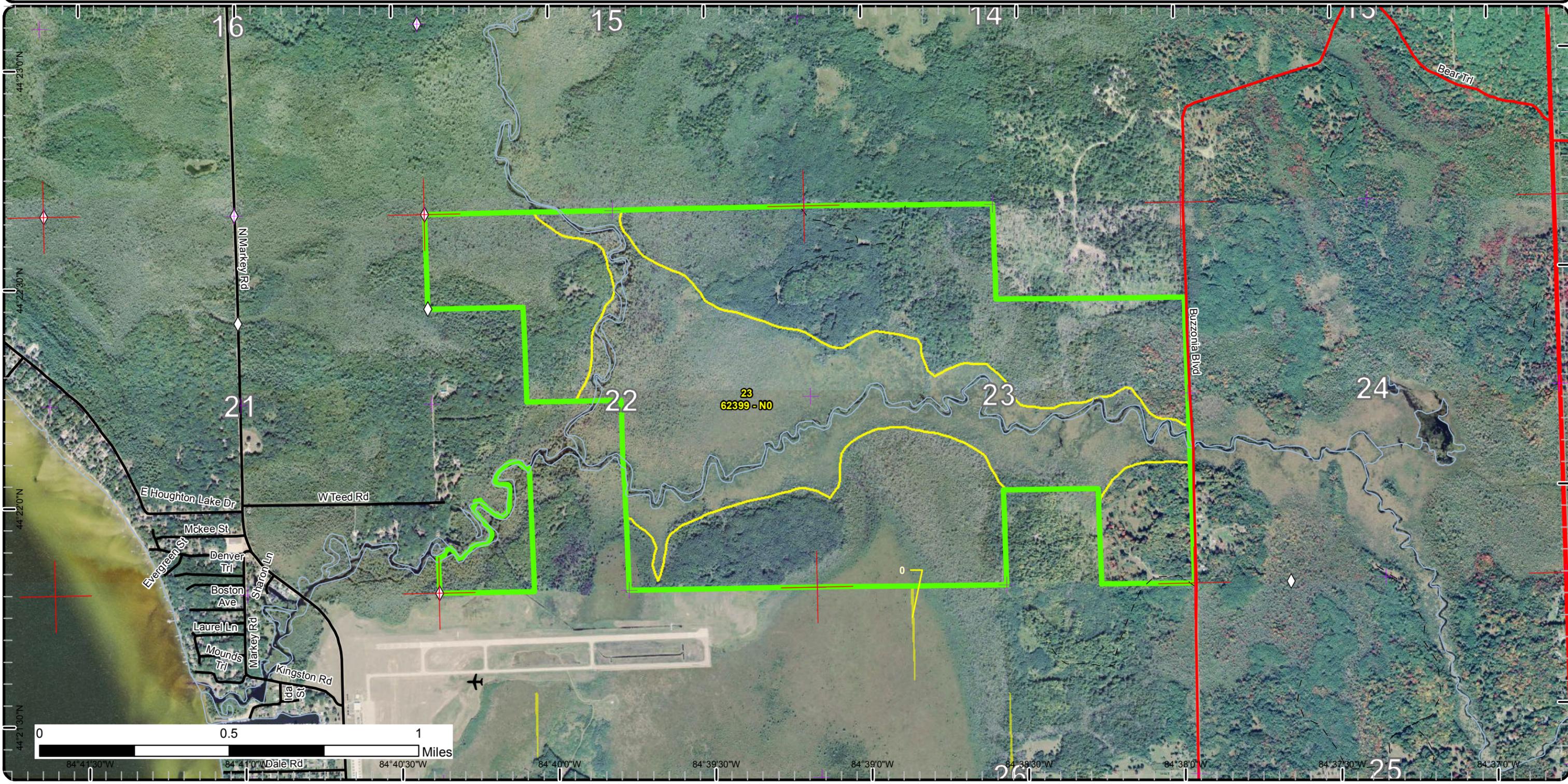


# Stand Boundary Map

Compartment: 80  
 T23N R03W 22, 23  
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 Unit: Roscommon  
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 Examiner: Jason Lewicki  
 Map Revised: 7/23/2015  
 Map Phase: Pre-Review



- Remonumented Section Corners
- Field Grade GPS Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- Poor Dirt Roads
- Airport
- Rivers
- Stand Boundaries
- Non-Forest Covertype
- 623 - Emergent Wetland

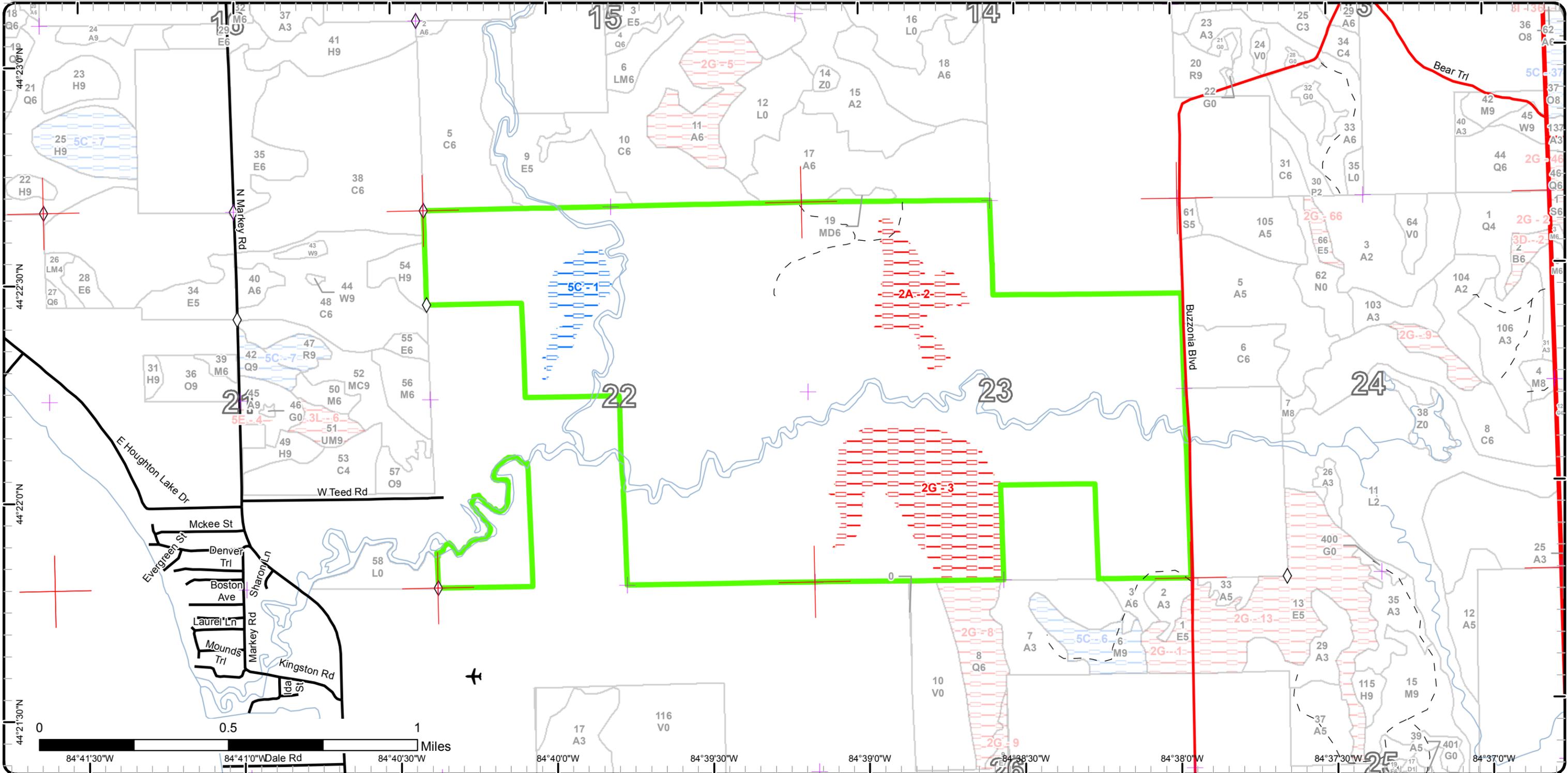


# Special Conservation Areas & Site Conditions Map

Compartment: 80  
 T23N R03W 22, 23  
 County: Roscommon  
 Unit: Roscommon  
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- ✚ Remonumented Section Corners
  - ◇ Field Grade GPS Corners
  - Miris Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - Poor Dirt Roads
  - ✈ Airport
  - Rivers
  - Site Condition
  - Available w/ Constraints
  - Unavailable
- Available Factors W/ Constraints**
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors**
- 2A: Adjacent landowner denied access
  - 2G: Too wet (sensitive soils, does not include access issues)
- Special Conservation Areas



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	19	0	61	0	61	0	0	0	10	0	29	0	0	0	0	0	0	180
Bog	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Cedar	0	0	0	0	0	0	0	0	0	44	0	0	119	0	0	0	0	0	163
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	19
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	82	0	0	0	0	0	82
Lowland Deciduous	0	0	0	11	0	0	0	0	31	0	0	0	0	0	0	0	0	0	42
Marsh	354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	354
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	20	0	13	14	0	23	0	0	0	0	0	0	70
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
<b>Total</b>	<b>399</b>	<b>19</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>64</b>	<b>20</b>	<b>0</b>	<b>44</b>	<b>68</b>	<b>0</b>	<b>79</b>	<b>220</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>989</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2017

Acres of Harvest

Compartment 80  
Total Compartment Acres: 990

Commercial Harvest - 24  
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	10	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	0	0	0	14	0	0	0	0	14
<b>Total</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	24	0	0	0	0	0	0	7	0	31
Next Step	0	0	0	0	0	10	0	7	0	17
<b>Total</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>48</b>



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
5	71080005-Cut	14.2	4110 - Sugar Maple Association	Sawtimber Well	87	81-110	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Thin hardwoods to around 80 BA. Remove poor formed and high risk trees. Focus growth on sugar maple saw timber.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

15	71080015-NF	3.8	31029 - Grass (OI)	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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**Habitat Cut: Yes****Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 19.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

16	71080016-NF	3.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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**Habitat Cut: Yes****Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 18.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

30	71080030-Cut	9.8	4130 - Aspen	Sawtimber Well	87	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clear cut and regenerate aspen. Leave a few scattered sugar maple for diversity. Concentrate retention of solid aspen on the north end. Place brush piles on north end for snowshoe hare habitat.

Specs:

Next Step

Treatments:

Acceptable Fully stocked aspen stand.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment  
Acreage Proposed: 31.1**

## Report 5 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 80  
Year of Entry: 2017

### Availability for Management

Total Acres	Acres Available	Acres Avail <i>With Condition</i> Not Available		Dominant Site Conditions		
				5C	2A	2G
180	151	0	29	Aspen	29	
38	38	0	0	Bog		
163	163	0	0	Cedar		
19	19	0	0	Hemlock		
7	7	0	0	Herbaceous Openland		
3	3	0	0	Lowland Aspen/Balsam Poplar		
82	0	0	82	Lowland Conifers		82
43	43	0	0	Lowland Deciduous		
354	354	0	0	Marsh		
27	27	0	0	Mixed Upland Deciduous		
70	50	20	0	Northern Hardwood	20	
4	4	0	0	White Pine		
990	859	20	111	Total Forested Acres	20	29 82
	87%	2%	11%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2A: Adjacent landowner denied access	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 80  
Year of Entry: 2017

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	82	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



**Report 6 – 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
<b>Comments</b>				

Mgt. Unit

Compartment:

Year of Entry



## Report 7 – 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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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	413 - Aspen	Poletimber Well	60.8	42	Unspecified	
4	612 - Lowland Coniferous Forest	Poletimber Well	81.7	110	Unspecified	
5	4110 - Sugar Maple Association	Sawtimber Well	14.2	87	81-110	Nice quality hardwood stand dominated by sugar maple. Stand has ash salvaged in the winter of 13-14. Some beech scattered in the understory. Possible trespass on east edge.
6	6120 - Lowland Cedar	Poletimber Well	46.6	110	81-110	
7	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	27.0	100	81-110	Variable, diverse stand of maple, aspen and cedar. Pockets of pole size aspen. Some very old, rotten aspen present. Pockets of dead ash.
9	6120 - Lowland Cedar	Poletimber Poor	44.2	80	1-50	Stand was a lowland ash stand with scattered cedar. All ash 3" and larger are dead and dying from EAB. Stand has a good component of ash seedlings still alive.
10	4130 - Aspen	Poletimber Well	57.5	26	Immature	
11	4110 - Sugar Maple Association	Sawtimber Well	13.9	100	81-110	Nice little hardwood stand dominated by hard maple. No hardwood recruitment. There is about 10-20 BA of good quality ash killed by EAB.
12	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	13.0	70	51-80	
13	6120 - Lowland Cedar	Sawtimber Well	40.6	110	Unspecified	
14	6120 - Lowland Cedar	Sawtimber Well	31.9	110	141-170	Nice stand of cedar with scattered red maple and paper birch. A few old, large rotten aspen. More aspen found in NE corner.
18	4130 - Aspen	Sapling Medium	13.2	5	Immature	Young aspen stand with some mature maple and birch left after harvest. Some wet areas did not regenerate well.
19	6111 - Lowland Balsam Poplar	Poletimber Well	3.3	40	51-80	Small stand along marsh edge dominated by Bam.
20	4139 - Aspen, Mixed Deciduous	Sawtimber Well	29.1	100	81-110	Old stand of quaking aspen and red maple. Aspen is over mature and full of rot. Much of it has already come down. There are some scattered wet pockets with cedar and dead ash. There is a cedar swale that runs through the stand. Some areas have heavy white pine understory. Some beech saplings found. No access.
21	42350 - Upland Hemlock	Sawtimber Well	18.9	110	111-140	Nice hemlock stand with scattered large white pine.

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## Roscommon Mgt. Unit

## Report 8 – Forested Stands

Compartment: 80  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	20.0	55	111-140	There is a small opening within stand dominated by braken fern. A small pocket of hemlock on the north end.
24	611 - Lowland Deciduous Forest	Poletimber Well	31.2	75	Unspecified	
25	4130 - Aspen	Sapling Medium	6.3	2	Immature	
26	6115 - Lowland Ash	Sapling Well	11.4	20	Immature	Lowland ash stand where all larger ash are dead from EAB. Young saplings under 4" seem to be alive. Some scattered yellow birch.
27	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.0	100	81-110	Small maple ridge dominated by red maple. Some large beech found mostly on south end. Scattered dead ash from EAB
28	42200 - Natural White Pine	Sawtimber Well	3.6	120	111-140	
29	4130 - Aspen	Sapling Well	3.7	26	Immature	
30	4130 - Aspen	Sawtimber Well	9.8	87	111-140	Stand of primarily bigtooth aspen saw timber mixed with scattered sugar maple. Some balsam fir, mostly on the north end. A pocket of bam and dead ash on NW corner.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	62259 - Bog (OI)	30.4	No	
8	62259 - Bog (OI)	7.4	No	
15	31029 - Grass (OI)	3.8	Yes	
16	3102 - Grass	3.4	Yes	
23	62399 - Marsh (OI)	354.0	No	