



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71104

Entry Year 2017

Acreage: 1,295

County Roscommon

Management Area: Upper Muskegon

Revision Date: 2015-08-05

Stand Examiner: Dale Ekdom

Legal Description:

T22N R2W Sections 8 & 17

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Compartment is mostly rolling terrain consisting of upland ridges interspersed with lower swales. Soils are a mixture of Rifle peat, Greenwood peat, and Houghton Muck in the lower swales and Rubicon sand, Grayling sand, Saugatuck sand, and Newton loamy sand in the more upland areas.

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

This compartment is entirely state land and is mostly surrounded by state land. Private property in the area includes permanent and seasonal homes on small lots and small acreages, seasonal cabins on larger acreages, and large vacant acreages..

Unique Natural Features:

Ram's Head Lady Slipper and Secretive Locust.

Archeological, Historical, and Cultural Features:

None known or detected during fieldwork.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The North Branch of Denton Creek runs through section 17. Numerous beaver floodings with associated wetlands are present on this creek. Lake James and Shadow Lake are 1/2 mile SW of the compartment. The NE portion of the compartment is part of Backus Lake Flooding.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, turkeys, bear, and bobcat as well as other non-game species.

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 are the Pennsylvanian Grand River and Saginaw formations. The Saginaw is quarried for brick making clay elsewhere in the state. Most of the good gravel pits are associated with upland areas. There are no uplands close by and potential appears to be limited. The abandoned Denton Creek Field is located one mile to the southeast. The field produced nearly 55,000 bbls of oil from the Devonian Detroit River Group. The entire compartment is currently pending lease for oil and gas exploration and development.

Vehicle Access:

Vehicle access to the upland sections of this compartment is good via M-55,

county roads, and forest two-tracks. Access to the wetter portions of the compartment is poor at best due to the terrain.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

A portion of the Denton Creek snowmobile trail and ORV route skirts the southern edge of the compartment and the compartment is heavily used for hunting and other recreational pursuits. If harvest activities occur during the snowmobile season of December 1 thru March 31 a snow bed must be preserved on Designated Snowmobile Trails. Ensure logging activity does not obliterate the designated trails by limiting the number of crossings. All stumps within 20 feet of the trail shall be Flush-Cut as much as possible to ensure stumps do not result in unsafe conditions. Assure 'logging ahead' warning signs are placed on the designated trails and snowmobile trails during logging activity.

Fire Protection:

In general, fire protection should not be a problem in this compartment due to the combination of fuels and terrain, proximity to fire suppression forces, and the presence of many natural and man-made fuel breaks.

Additional Compartment Information:

Proposed treatments for this year-of-entry include 65 acres of final harvests for aspen management, 75 acres of seed tree cuts for oak management, and 26 acres of opening maintenance.

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:

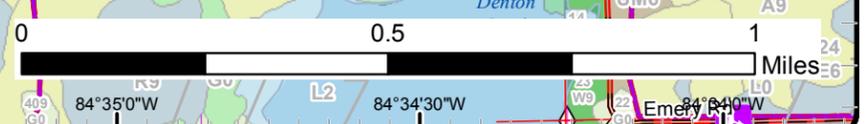
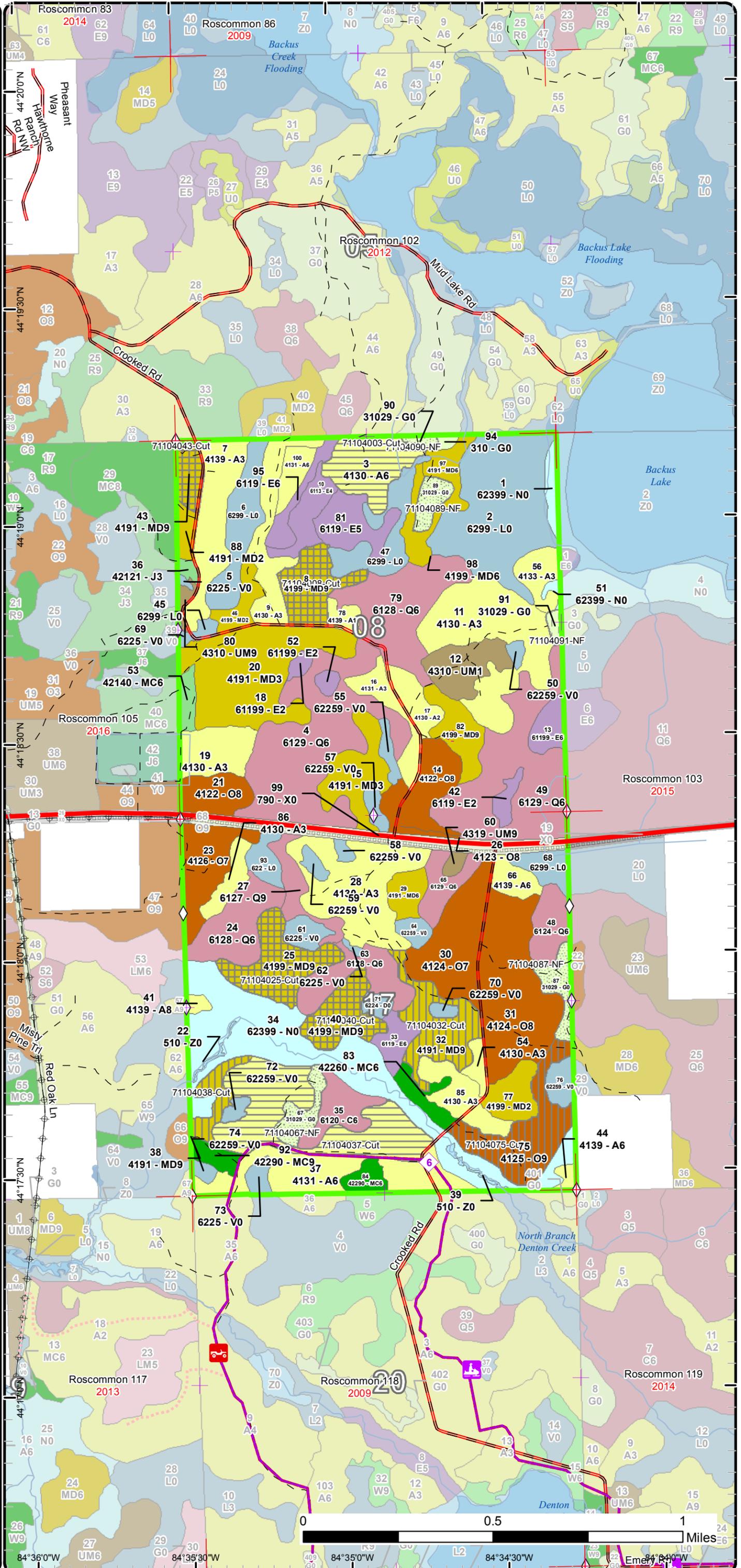
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 104
 T242 R02W 08, 17
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2017
 Acres: 1295 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 7/24/2015
 Map Phase: Pre-Review



- ✚ Remonumented Section Corner
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- County Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ORV Routes
- Snowmobile Trails
- Designated ORV Routes
- Designated Snowmobile Trails
- Rivers
- Lakes
- Pipeline
- Powerline
- Treatments
- Clearcut (w/Reserves)
- Opening Maintenance
- Mowing
- Shelter Wood (w/Reserves)
- Seed Tree (w/Reserves)
- Forest Covertype
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Covertype
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

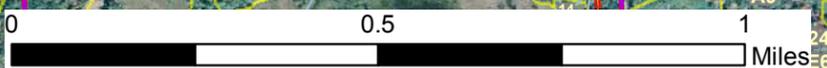
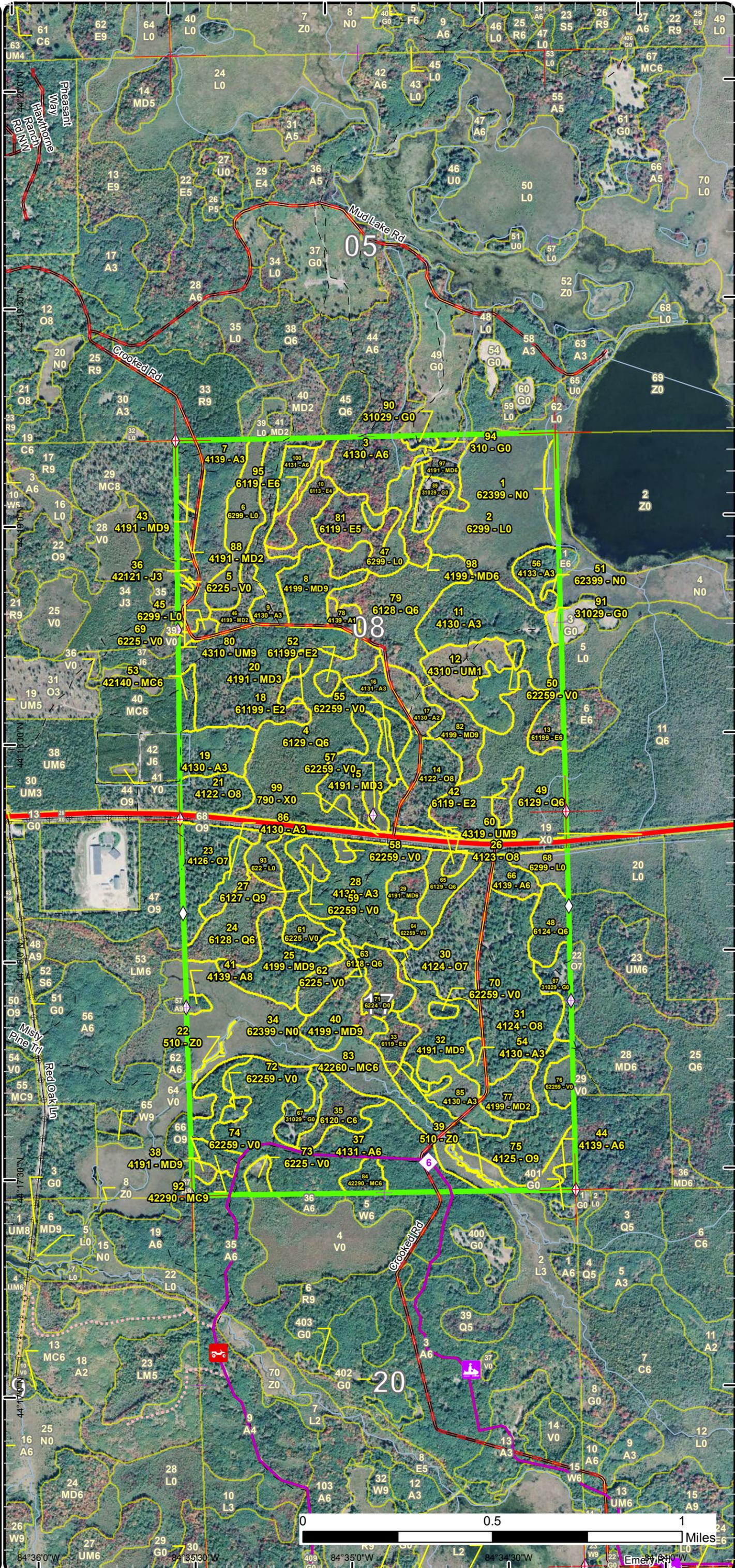


Stand Boundary Map

Compartment: 104
 T242 R02W 08, 17
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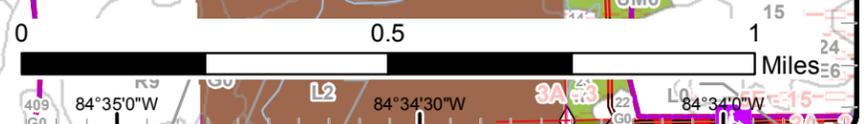
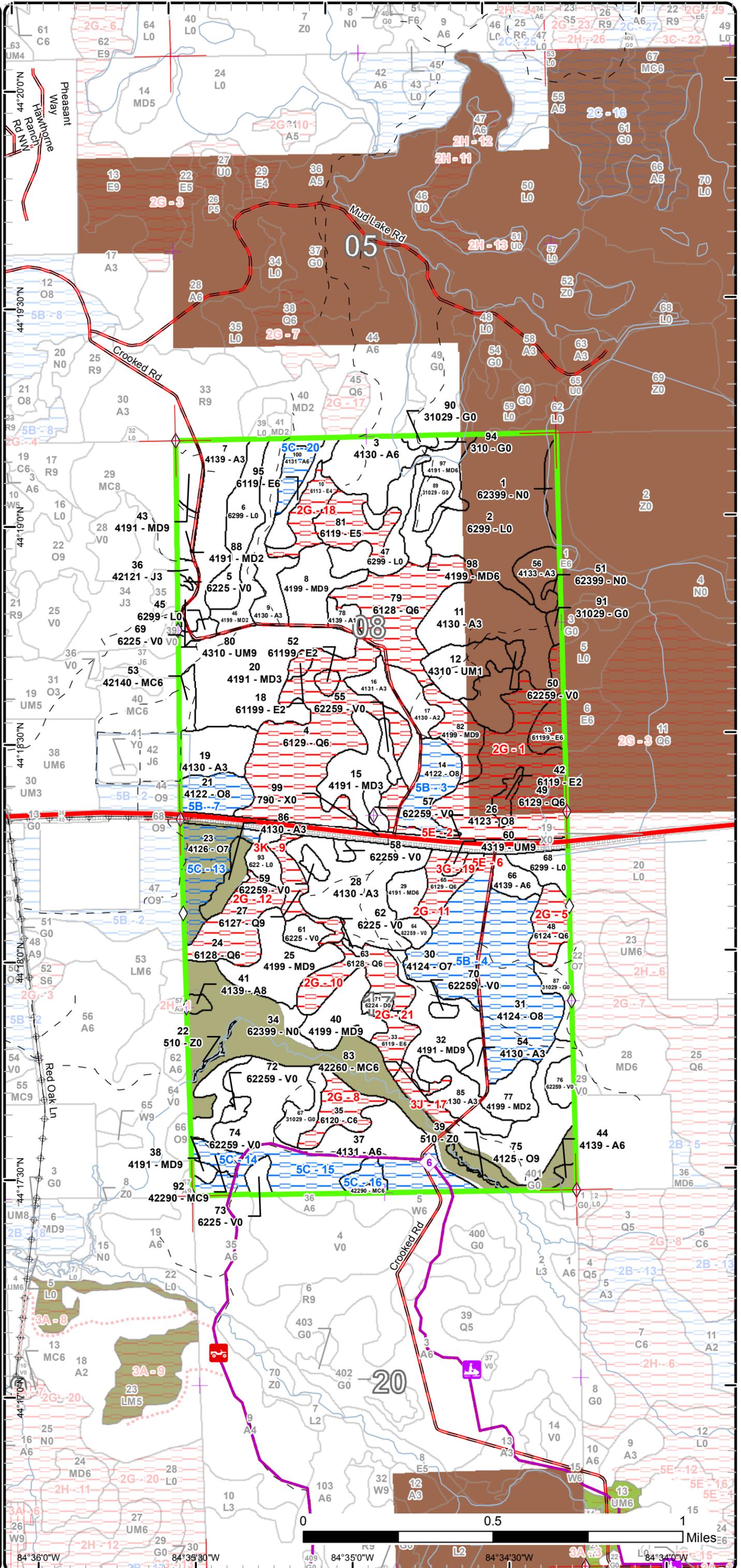
84°36'0" W 84°35'30" W 84°34'30" W 84°34'0" W

Special Conservation Areas & Site Conditions Map

Compartment: 104
 T242 R02W 08, 17
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2017
 Acres: 1295 GIS Calculated
 Examiner: Dale Ekdorn
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- ⊕ Remonumented Section Corner
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- Highway
- County Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ORV Routes
- Snowmobile Trails
- Designated ORV Routes
- Designated Snowmobile Trails
- Rivers
- Pipeline
- Powerline
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Special Conservation Areas
- Verified Type 2 Old Growth
- Wildlife Management 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	26	56	118	6	105	2	0	0	0	2	0	0	0	0	0	0	0	315
Bare/Sparsely Vegetated	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Bog	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Cedar	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Jack Pine	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	21	200	0	0	0	0	0	0	0	221
Lowland Deciduous	0	0	4	2	0	9	0	0	0	0	38	0	0	0	0	0	0	0	53
Lowland Shrub	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Marsh	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Mixed Upland Deciduous	0	4	69	18	0	15	15	7	0	22	67	0	0	0	0	0	0	0	217
Natural Mixed Pines	0	0	0	0	0	0	5	0	0	12	0	0	0	0	0	0	0	0	17
Oak	0	0	0	0	0	0	0	0	0	104	51	0	0	0	0	0	0	0	155
Planted Mixed Pines	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	15	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	19
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	279	45	131	142	6	129	22	7	0	159	374	0	1294						



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 104
Total Compartment Acres: 1,295

Commercial Harvest - 184
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	65	0	0	0	0	0	0	0	0	65
Mixed Upland Deciduous	0	0	0	62	30	0	0	0	0	92
Oak	0	0	0	0	27	0	0	0	0	27
Total	65	0	0	62	57	0	0	0	0	184

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	184	0	0	0	0	0	0	0	25	209
Next Step	0	0	0	0	0	0	184	0	25	209
Total	184	0	0	0	0	0	184	0	50	418



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	71104003-Cut	20.3	4130 - Aspen	Poletimber Well	49	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription final harvest with retention and manage for aspen, push out into adjacent stands as much as possible and where feasible to expand aspen,
Specs: buffer interior wet pockets for retention, mark oak and pine XL's for diversity and mast, use grouse drumming spec

Next Step
Treatments:

Acceptable Any combination of hardwoods and conifers to a fully stocked stand
Regen:

Other will need to access from the north and do lots of brushing and fill in at least 1 low area with fill and possibly a temp. culvert, winter cut only to
Comment: reduce damage to the wildlife openings to the north thru which we will be trucking Old next step comments:

Proposed Start Date: 10/1 /2016

8	71104008-Cut	17.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	95	81-110	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription seed tree leaving 10-20 SF/acre of well crowned oak for mast especially in areas where aspen is sparse, leave all R/W pine for diversity and
Specs: visual, retention will be the wet pockets on the east side and two 1/8-1/4 acre islands along the road,

Next Step
Treatments:

Acceptable acceptable regeneration will be combination of aspen, oak, red maple, and pine to a fully stocked stand
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

25	71104025-Cut	22.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	95	51-80	Harvest	Seed Tree with Retention	4131 - Aspen, Oak	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription if access can be gained, cut everything using 4" spec. except leave all WO and R/W pine and mark up to 1 black oak per acre
Specs:

Next Step
Treatments:

Acceptable Any combination of oak and pine to a fully stocked stand
Regen:

Other only possible access is thru the south end of Stand #27, will need to construct a road for truck access and use culvert/fill or crane mats to cross
Comment: wet area, use Hare Spec 5.2.4.7 Old next step comments:

Proposed Start Date: 10/1 /2016

32	71104032-Cut	21.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	84	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Shelterwood/seed tree leaving 30-50 SF of good crowned oak for a seed source, leave all R/W pine for diversity and visual, buffer bog in north-
Specs: central part of stand for retention, leave NW and SW arms for retention also

Next Step
Treatments:

Acceptable acceptable regeneration is any combination of hardwoods and conifers to a fully stocked stand, trench and plant jack pine if not fully stocked
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



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
37	71104037-Cut	44.7	4131 - Aspen, Oak	Poletimber Well	49	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription final harvest and manage for aspen, buffer "G" stand and swamps for retention, leave part between "G" and SMT for retention, use areas heavier to R/W pine poles/SL"s as opportunities to leave retention, mark up to 1 oak per acre for wildlife mast and 1 R/W pine SL tree per acre for diversity, future snags, and visual along the snowmobile trail

Next Step
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of aspen and other hardwoods to a fully stocked stand

Other Comment: use "rabbittat" and grouse drumming specs, use Hare Spec 5.2.4.7 along drainage and swamp edges Old next step comments:

Proposed Start Date: 10/1 /2016

38	71104038-Cut	7.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	95	81-110	Harvest	Shelterwood with Retention	4122 - Oak, Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription light shelter-wood or shelter-wood prep by marking 30-50 SF/Acre to leave of well crowned oak (especially white oak) and leave all R/W pine, buffer along creek drainage and bog, leave areas heavy to WP as retention

Next Step
Treatments:

Acceptable Regen: Any combination of hardwoods and conifers to a fully stocked stand

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016

40	71104040-Cut	15.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	50	51-80	Harvest	Seed Tree with Retention	4131 - Aspen, Oak	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription final harvest to 4" spec. to save areas of advanced oak regeneration and leave all red/white pine and all white oak to maintain stand as an aspen/oak/pine mix, use Hare Spec 5.2.4.7

Next Step
Treatments:

Acceptable Regen: Any combinations of hardwood and pine to a fully stocked stand

Other Comment: buffer adjacent wet stands as appropriate and paint small drain out of the sale except for the crossing area, access will be thru the north end of Stand #33, Old next step comments:

Proposed Start Date: 10/1 /2016

43	71104043-Cut	7.4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	94	111- 140	Harvest	Seed Tree	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription final harvest/seed tree and manage for aspen-oak-pine, mark 10-20 SF of oak and 10-20 SF of R/W pine to leave where the aspen is sparse to leave a seed source, no retention due to the age of the aspen and the size of the stand

Next Step
Treatments:

Acceptable Regen: acceptable regeneration is any combination of hardwoods and pine to a fully stand, alternate regeneration is to plant red pine if aspen regeneration fails

Other Comment: Old next step comments:

Proposed Start Date: 10/1 /2016



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
67	71104067-NF	7.5	31029 - Grass (OI)	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal

Habitat Cut: Yes**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

75	71104075-Cut	27.5	4125 - Black, N. Pin Oak	Sawtimber Well	89	81-110	Harvest	Shelterwood with Retention	4125 - Black, N. Pin Oak	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Shelter-wood with Reserves removing aspen and red maple and unmarked oak, mark oak to leave and aim for a target BA of 30-50 SF of oak

Specs: plus any R/W pine, favor white oak over black oak/red oak where appropriate, leave well-crowned oak for seed and R/W pine for visual and diversity, leave off NE arm and areas of barrow pits along crooked road for retention, , buffer "L" to the south where appropriate

Next Step

Treatments:

Acceptable

Acceptable regeneration is any combination of hardwoods and pine to a fully stocked sand, plant red pine if not fully stocked

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

87	71104087-NF	8.1	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, Denton Creek Field 1.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

89	71104089-NF	5.6	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, Backus Field 27.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



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
90	71104090-NF	1.7	31029 - Grass (OI)	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal

Habitat Cut: Yes**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 26.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

91	71104091-NF	2.0	31029 - Grass (OI)	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	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, Backus Field 31.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
Acreage Proposed: 209.2**

Report 5 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdom : Examiner

Compartment: 104

Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition			5B	5C	2G	3G	3J	3K	5E			
315	275	40		0	Aspen		40							
22	22	0		0	Bare/Sparsely Vegetated									
37	37	0		0	Bog									
12	0	0		12	Cedar			12						
26	26	0		0	Herbaceous Openland									
2	2	0		0	Jack Pine									
221	0	0		221	Lowland Conifers			212				9		
53	7	0		46	Lowland Deciduous			46						
108	108	0		0	Lowland Shrub			0				0		
81	81	0		0	Marsh									
217	204	0		13	Mixed Upland Deciduous			13						
17	0	10		7	Natural Mixed Pines		10				7			
156	27	122		6	Oak	103	19							6
4	4	0		0	Planted Mixed Pines									
3	3	0		0	Treed Bog									
19	17	0		2	Upland Mixed Forest				2					
2	2	0		0	Water									
1,295	815	173		307	Total Forested Acres	103	70	283	2	7	9	6		
	63%	13%		24%	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)	181	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment: 104

Dale Ekdor : Examiner

Year of Entry: 2017

3	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	76	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment: 104

Dale Ekdorn : Examiner

Year of Entry: 2017

9	Unavailable	3K: Rare or unique landforms	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment: 104

Dale Ekdor : Examiner

Year of Entry: 2017

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3G: Other Influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 104

Year of Entry: 2017

21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
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Comments:

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
Comments				



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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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	4130 - Aspen	Poletimber Well	20.3	49	51-80	Both BTA and QA on higher ground, stand edges and potholes have QA, scattered R/W pine SL and XL's and scattered oak SL and XL's, aspen fairly sparse in a few spots but should fill in if cut, a number of small areas are heavy to either BS, JP, or WP
4	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	64.1	94	81-110	wet conifer swamp, mostly swamp conifers
7	4139 - Aspen, Mixed Deciduous	Sapling Well	24.7	27	Immature	long skinny A3 stand which was regenerated in 1988, stand is growing well and should be A6 next YOE, some wet potholes in this stand with tag alder
8	4199 - Other Mixed Upland Deciduous	Sawtimber Well	17.0	95	81-110	Mature oak SL with aspen and red maple poles, scattered red, white, and jack pine poles/SL's, a few areas which are solid A6, east edge has some lowland runs/pockets, oak is mature and aspen is merchantable, seed tree and manage for a mix of aspen, oak, and maple
9	4130 - Aspen	Sapling Well	19.5	17	Immature	OPIC - FMD: CUT 1998, MIX OF BTA, TA, OAK, SCATTERED POLE SIZE WP
10	6113 - Lowland Maple	Poletimber Poor	10.1	94	1-50	hardwood over-story with tag alder understory, black ash declining with a lot already dead, scattered swamp conifers, will probably be "L" next YOE
11	4130 - Aspen	Sapling Well	45.3	27	Immature	nice BTA regenerating, parts are reaching pole-size, will be A6 next YOE
12	4310 - Pine, Oak Mix	Sapling Poor	15.0	6	Immature	OPIC - FMD: NICE RP SL STAND W/SCATTERED HARDWOODS IN U.S., FINAL HARVEST AND PLANT RED PINE, MAY NEED RX BURN TO CONTROL BRUSH AND OTHER UNDESIRABLE REGENERATION, REPLACE EXISTING CULVERT AND GATE TWO-TRACK AT CULVERT TO CONTROL ACCESS TO WILDLIFE OPENING AND ADDRESS B.M.P. CONCERNS THROUGH WET AREA TO THE WEST OF THIS STAND.
13	61199 - Lowland Hardwood (OI)	Poletimber Well	7.0	94	51-80	RM and aspen with WP and other conifers, marginally higher terrain than surrounding stands, no access due to wet terrain
14	4122 - Oak, Pine	Sawtimber Medium	15.4	94	1-50	Shelterwood cut 2008, left well crowned oak and all R/W pine, understory is slow growing but growing well, most R/W pine is at the north end, hold 10 years, most oak saplings are from stump sprouts
15	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	17.8	27	Immature	Cut 1988, fairly equal mix of oak/aspen/RM/JP, growing well, a narrow buffer of oak SL and W/J pine poles was left on M-55 as a buffer when stand was cut
16	4131 - Aspen, Oak	Sapling Well	10.6	17	Immature	Cut 1998, mix of BTA/RM/Oak/JP/WP



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4130 - Aspen	Sapling Medium	8.3	7	Immature	OPIC - FMD: RO/ASPEN POOR TO FAIR QUALITY AND DECLINING, FINAL HARVEST AND CONVERT TO ASPEN, RETAIN ALL W. OAK AND SMALLER WP FOR MAST AND DIVERSITY, COULD LEAVE RED PINE ALSO, OAK REGENERATION ACCEPTABLE WHERE ASPEN DOES NOT REGENERATE, USE "RABBITAT" SPECS - CUT MARCH 2008
18	61199 - Lowland Hardwood (OI)	Sapling Medium	2.2	21	Immature	HABITAT CUT 1994, WET POCKETS WITH "L" AND FIR U.S.
19	4130 - Aspen	Sapling Well	14.9	17	Immature	cut and regenerated to aspen in 1998, mostly A3 but there are a few spots that are sparser (O2A1), scattered WP poles from cut also
20	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	50.5	17	Immature	OPIC - FMD: CUT 1998, LEFT RP FOR SEED SOURCE AND DIVERSITY, good regeneration of aspen/RM/JP/Oak, some areas heavy to RM3 and others are A3, R/W pine poles and SL scattered thru-out stand, hardwoods and jack pine should be pole-size next YOE
21	4122 - Oak, Pine	Sawtimber Medium	11.6	96	1-50	Shelterwood cut in JAN/FEB 2010, left well crowned oak and all red/white pine, good understory of oak/A/RM/WP, stand should be held until next YOE before treating again in order for the u/s to become more established
23	4126 - White, Black, N. Pin Oak	Sawtimber Poor	19.4	94	1-50	Thinned/Shelter-wood cut in 1999, poor to decent quality red/black/white oak SL's with scattered R/W pine poles/SL's, understory is O/A/M saplings with scattered R/W pine saplings, seedling oak is 5-10', stump sprout oak is 10-20'
24	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	21.0	84	81-110	hummocky wet ground, lowland hardwoods converting to swamp conifers, gaps are full of balsam fir saplings, interior is mostly swamp conifers and the edges are mix of lowland hardwoods and swamp conifers
25	4199 - Other Mixed Upland Deciduous	Sawtimber Well	22.5	95	51-80	upland stand surrounded by swamp and marsh, poor access for a commercial cut, stand is mature and over-mature oak with a mix of species being younger, terrain is variable with several pockets of wetter ground around bogs or tag alder swales, edges grade into surrounding wetter stands, pockets of heavy pine in spots, if access can be gained, cut everything but oak and pine using 4" spec. OR cut everything but WO and R/W pine and mark up to 1 black oak per acre.
26	4123 - Red Oak	Sawtimber Medium	5.2	94	81-110	uncut portion of Stand #14, left part on north edge of M-5 and west of Mud Lake Road as buffer for retention and visual
27	6127 - Lowland Pine	Sawtimber Well	9.4	95	141-170	stand has a high water table, Tawas-Lupton muck and Dawson-Loxley peat soils mixed with inclusions of Au Gres-Kinross-Croswell complex. may be operable in spots during frozen or dry conditions but there are some spots with standing water now, SL R/W pine with pole-size black spruce, fairly unique stand for the Roscommon Management Unit, thinning may cause wide-throw due to the high water table, clear-cut may not regenerate due to the high water table



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	4130 - Aspen	Sapling Well	39.1	27	Immature	mix of QA, BTA, RM, and oak with a few of the lower/wetter areas having inclusions of J3J6, also some areas heavy to R/W pine, largest aspen and stump sprout oak is almost pole-size, will be A6 next YOE
29	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.0	60	81-110	upland terrain with SL oak and RP and P-L BTA/RM, scattered WP/BF saplings with heavy RM saplings in spots, aspen is younger than the oak and pine (approx. 1960 YOO), no access to this stand except thru ST #28 which is A3/A6, recommend holding this stand until Stand #28 is treated, good stand to leave for wildlife right now
30	4124 - Red with White Oak	Sawtimber Poor	28.9	89	1-50	shelterwood cut in 2008 leaving good oak mast trees and all R/W pine, good understory equally distributed between oak/red maple/aspen, red maple and aspen saplings are growing well and oak is both stump sprout and seedling source, should be close to fully stocked next YOE, oak grades to black oak from red oak north to south and south end has more R/W pine, hold 10 years for regeneration to become more established
31	4124 - Red with White Oak	Sawtimber Medium	48.3	89	51-80	Shelterwood cut in 1998 by removing aspen and red maple, ranges from O9O1 to O7A3, should be fully stocked next YOE
32	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	21.7	84	81-110	Very variable stand, mix of oak, aspen, red maple, and pine; oak ranges from poor to decent quality, some areas are heavy to jack pine poles and others are heavy to aspen poles, aspen and jack pine is poor quality, some areas with oak saplings starting in the understory, other areas heavy to RM saplings, scattered areas heavy to R/W pine poles and saplings, terrain is upland intermixed with lower pockets
33	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	6.9	95	81-110	hummocky ground and probably not operable for a commercial cut except in limited areas on the edge which are drier, also, aspen may not regenerate due to the age of the stand, red maple appears to be mostly younger but there are a few scattered mature red maple, lots of BF saplings in u.s. and if left alone stand will convert to swamp conifers, south and middle part of the stand are wetter with cedar and other swamp conifers, possibly just dip into this stand if stands to the east and west are treated
35	6120 - Lowland Cedar	Poletimber Well	12.2	95	81-110	wet forested stand, mostly cedar with other swamp conifers
36	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	1.7	18	Immature	planted J3, regenerated with stand to the west (St#34 Compt 71105)
37	4131 - Aspen, Oak	Poletimber Well	78.1	49	Unspecified	A6 stand with parts heavy to W3, scattered pole-SL-XL conifers, cut part or all to balance age class distribution - cut north of SMT if only part is cut
38	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.9	95	81-110	oak/pine stand adjacent to N. Branch of Denton Creek, oak and pine doing oak but oak is mature, aspen-red maple-jack pine are younger and scattered thru-out stand, neck between the north and south parts is heavier to white pine (W8W5W3) and could be left as retention, buffer along creek drainage, recommend shelter-wood by marking 30-50 SF/Acre to leave of oak (especially white oak) and leave all R/W pine



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4199 - Other Mixed Upland Deciduous	Sawtimber Well	15.5	50	51-80	Upland mix of oak SL's and Aspen/Red Maple poles, aspen and red maple are younger than the oak, black oak is declining and starting to fall apart but the white oak is looking okay so far, stand has numerous areas of advanced oak saplings, stand is cut in 1/2 by a small /narrow drainage which will need to be crossed, recommend final harvesting to 4" spec. and leaving all red/white pine and all white oak to maintain stand as a aspen/oak/pine mix, possibly mark up to 1 well-crowned black oak per acre also
4139 - Aspen, Mixed Deciduous	Sawtimber Medium	1.7	95	1-50	island surrounded by marsh, no access
6119 - Mixed Lowland Deciduous Forest	Sapling Medium	3.7	19	Immature	non-commercial cut over the course of 1991 -1996 for emergency deer feed, no access due to wet terrain
4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.4	94	111-140	Stand was left as a buffer for cut to the west and south and consists of a mix of oak, pine, aspen, and red maple; aspen/jJP are over-mature as is most of the oak, spots are oak/pine while others are aspen/RM, aspen is slightly younger than the oak but not by much, jack pine is around 60-70 years old, stand would probably regenerate to aspen with a few bare spots if clear-cut during the dormant season to maximize aspen sprouting
4139 - Aspen, Mixed Deciduous	Poletimber Well	2.3	53	Unspecified	Poor access to this stand, would have to freeze a road or use crane mats to cross _____ of "L" type, small stand with low volumes
4199 - Other Mixed Upland Deciduous	Sapling Medium	7.4	17	Immature	mix of aspen, red maple, and oak; fairly sparse in spots, has low ground/higher water table in spots, mostly slow growing, cut with stand #20 but did not leave R/W pine residual, could consider planting to jack pine after roller-chopping but will do OK if we just let it go and cut it at rotation age
6124 - Lowland Spruce-Fir	Poletimber Well	11.1	94	81-110	wet cedar swamp with a few scattered hardwoods
6129 - Mixed Coniferous Lowland Forest	Poletimber Well	53.8	94	81-110	wet conifer swamp, starting to break up in spots
61199 - Lowland Hardwood (OI)	Sapling Medium	2.1	49	Unspecified	OPIIC - FMD: HABITAT CUT IN 1994, EVEN MIX OF FIR/WP/A/RM, SLOW GROWING BUT GOOD COVER FOR WILDLIFE
42140 - Planted Mixed Pine	Poletimber Well	4.2	25	Immature	Stand regenerated with the stand to the west in 1990, planted RP mixed with planted and natural jack pine, also scattered hardwoods, fairly short height-wise still but just reaching pole size, some pats fairly sparse but overall still fully stocked
4130 - Aspen	Sapling Well	3.7	17	Immature	Cut and regenerated with stand#77 in 1998, good stocking of A3 mixed with oak and red maple



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
56	4133 - Aspen, Mixed Pine	Sapling Well	8.8	27	Immature	upland surrounded by "L" on 3 sides, most of the stand except for the south part was cut with Stand #11 in 1988, RP was left when stand was cut so now it is mostly and A3 but with a super-canopy of RP XL's, stand will be A6R7 next YOE, east part of this stand grades into lower ground with lots of RM poles
60	4319 - Mixed Upland Forest	Sawtimber Well	1.8	95	81-110	small peninsula of high ground surrounded on three sides by swamp, oak SL with black spruce poles, understory ranges from saplings to pole size; small acreage, limited volumes, high value for visual, and no spot large enough for a landing
63	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.1	95	81-110	cedar /balsam fir swamp with scattered hardwoods, wet with standing water is spots
65	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.8	94	81-110	swamp conifers with heavy tag alder under-story, wet terrain and very slow growing
66	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.4	37	Unspecified	Aspen stand regenerated in 1978, mix of aspen, red maple, and oak, middle of the stand has a wet pothole with tag alder and RM/WP, parts of the stand have oak SL where they left oak mast trees
75	4125 - Black, N. Pin Oak	Sawtimber Well	27.5	89	81-110	decent quality black and white oak with some red oak, mixed with some scattered red maple and small clones of TA which are just merchantable, scattered R/W pine poles also, oaks saplings started in more open areas, lots of camping areas in this stand; recommend a shelter-wood cut removing aspen and red maple and unmarked oak, leave all R/W pine
77	4199 - Other Mixed Upland Deciduous	Sapling Medium	10.4	17	Immature	Cut and regenerated in 1998, fairly equal mix of aspen, red maple, and oak; should be fully stocked next YOE
78	4139 - Aspen, Mixed Deciduous	Sapling Poor	3.9	7	Immature	Cut and regenerated in 2008, not great regeneration but should be fully stocked by next YOE, if not fully stocked in 2027, consider planting to jack pine, stand is a mix of aspen and red maple with scattered oak and pine, left all white oak and some red oak and white pine when cut,
79	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	35.0	94	81-110	wet conifer swamp, mostly swamp conifers
80	4310 - Pine, Oak Mix	Sawtimber Well	2.1	94	81-110	Stand was left as a buffer for the cut to the west in 71105, now stand is converting to an oak and red maple stand, stand is too small to bother with commercially, Wildlife Division suggested in 2007 YOE not to treat this stand and let it convert naturally, FRD still concurs with this proposal
81	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	14.1	95	81-110	stand is marginally more upland than surrounding stands which are "E" or "L", no access without a major road project across wet terrain, water table close to the surface in most of the stand, scattered pockets of "L" and wetter spots with "Q" types within stand, hummocky ground, soils are poorly to moderately drained sands and the KOTAR classification is PARVCo (north end) and PARVHA (south end), stand is just at SL size, lots of wildlife sign



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	4199 - Other Mixed Upland Deciduous	Sawtimber Well	12.5	94	81-110	mature decent quality R/W oak SL's and mature BTA SL's with RM poles, heavy understory of WP especially on the south 1/2 of the stand, east edge grades into swamp conifers and red maple where there is a narrow drainage between Stands 49 and 79, hold and manage for white pine at some future YOE
83	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	6.7	84	171-200	long narrow W6 stand with north central arm of W9, transition zone of pine along creek, scattered oak logs and XL's with scattered R?W pine XL's also, west end is more O7W3 east end is more W6A5O7, maintain as a buffer on the marsh along Denton Creek
84	42290 - Natural Mixed Pine	Poletimber Well	5.3	51	141-170	stand just reaching log size and growing well, mix of white pine and red pine with scattered hardwoods and jack pine, going towards all-aged as there are some older white and red pine XL's and younger white pine coming in underneath as well (almost pole size), hold 10 years and thin when aspen to the east and west is harvested, maintain now for visual along the snow trail
85	4130 - Aspen	Sapling Well	13.7	7	Immature	Cut and regenerated to aspen in 2008, mostly BTA which regenerated well, scattered oak SL
86	4130 - Aspen	Sapling Well	6.9	16	Immature	A3 regenerated in 1999 with the cut to the oak stand to the west, scattered oak logs and XL's also, stand is somewhat of a transition zone between the upland oak and the swamp conifers with the east edge of the stand having a few low/wet areas
88	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	4.4	4	1-50	Shelterwood cut in 2011 with Sand to the west in 71105, scattered/W pine and R/W oak were left, featured stand is now the oak/red maple/aspen saplings, will be fully stocked next YOE
92	42290 - Natural Mixed Pine	Sawtimber Well	4.8	84	111-140	Mostly R/W pine poles/SL's with scattered hardwoods, also scattered R/W pine XL's, stand is growing well and moving towards all-aged but there are no distinct age classes, hold and use for visual on the SMT and thin in 10 years with Stand #84
95	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	6.9	49	Unspecified	Q/E or P-type depending on the wetness of the terrain, somewhat of a natural broad drainage with lots of standing water in the hummocks, wettest spots are tag alder understory and the rest is balsam fir saplings, the north east corner is heavy to aspen and the rest is more Q or E- type
97	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.7	49	51-80	aspen plus a mix of everything else, grades from upland to lowland, stand is cut in half by a drainage between St#2 and #47, cut or hold as desired, if cut - mark oak/pine to leave for diversity/mast and buffer "G" and any low/wet areas
98	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.0	49	51-80	stand surrounds a "G" stand and is in turn surrounded by "L" and "Q" types, upland grading to lower ground as one goes south, water table is close to the surface in much of the stand, stand consists of red maple and white birch poles and SL with balsam fir poles, BF saps in the understory thru-out stand, good stand to leave alone for now, lots of wildlife sign in stand

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Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 104
Year of Entry: 2017



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
100	4131 - Aspen, Oak	Poletimber Well	6.5	49	51-80	upland aspen which grades to lowland on the west side, mix of BTA/QA with scattered red maple and oak, northwest corner is heavy to white pine and oak, aspen doing OK and should hold 10 years with no problem, recommend holding this stand due to the large amount of cutting in the compartment already



Stand	Cover Type	Acres	Managed Site	General Comments:
1	62399 - Marsh (OI)	4.8	No	west edge of Backus Lake Flooding
2	6299 - Lowland Shrub (OI)	57.8	No	LARGE WETLAND ADJACENT TO BACKUS LAKE FLOODING
5	6225 - Bog	0.5	No	leather-leaf bog
6	6299 - Lowland Shrub (OI)	19.0	No	low drainage with lowland shrub
22	510- Water (OI)	0.7	No	NORTH BRANCH DENTON CREEK, BEAVER FLOODING
34	62399 - Marsh (OI)	74.5	No	LARGE WETLAND "N" TYPE, FLOODPLAIN OF DENTON CREEK
39	510- Water (OI)	1.2	No	NORTH BRANCH DENTON CREEK, BEAVER FLOODING
45	6299 - Lowland Shrub (OI)	1.9	No	small wet pothole, lowland shrub stand with scattered trees
47	6299 - Lowland Shrub (OI)	16.1	No	low drainage with lowland shrub
50	62259 - Bog (OI)	1.6	No	
51	62399 - Marsh (OI)	1.2	No	Backus Lake Flooding
55	62259 - Bog (OI)	3.2	No	
57	62259 - Bog (OI)	3.2	No	
58	62259 - Bog (OI)	1.5	No	
59	62259 - Bog (OI)	2.4	No	
61	6225 - Bog	5.2	No	swamp conifers encroaching on the edge
62	6225 - Bog	0.7	No	OPIC - FMD: OI Stand Year Origin was
64	62259 - Bog (OI)	3.6	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
67	31029 - Grass (OI)	7.5	Yes	WILDLIFE MAINTAINED OPENING, scattered trees.
68	6299 - Lowland Shrub (OI)	7.3	No	part of a larger wetland complex to the east
69	6225 - Bog	0.9	No	
70	62259 - Bog (OI)	1.7	No	bog/treed bog
71	6224 - Treed Bog	2.9	No	OPIC - FMD: OI Stand Year Origin was
72	62259 - Bog (OI)	2.3	No	bog/treed bog
73	6225 - Bog	3.4	No	
74	62259 - Bog (OI)	1.8	No	
76	62259 - Bog (OI)	5.4	No	LEATHERLEAF BOG WITH ENCROACHING SWAMP CONIFERS ON EDGE
87	31029 - Grass (OI)	8.1	Yes	WILDLIFE MAINTAINED OPENING, scattered trees
89	31029 - Grass (OI)	5.6	Yes	WILDLIFE MAINTAINED OPENING, scattered hardwood trees
90	31029 - Grass (OI)	1.7	Yes	WILDLIFE MAINTAINED OPENING, scattered trees.
91	31029 - Grass (OI)	2.0	Yes	WILDLIFE MAINTAINED OPENING, REST OF THIS STAND IS IN COMP'T TO THE EAST (COMP'T 103 STAND #3)
93	622 - Lowland Shrub	5.9	No	lowland brush with scattered trees
94	310 - Herbaceous Openland	1.3		Aspen stand which was cut with St #49 in 71102 in Feb/March 2012, should be A3 next YOE
99	790 - Other Bare/Sparsely Vegetate	21.9	No	M-55 ROW and Pipeline ROW, north part is roadway with shoulders and ditches. south part is grass