



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71013

Entry Year 2019

Acreage: 1,033

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2017-08-01

Stand Examiner: Doug Bates

Legal Description:

T24NR02W Sections 8 & 17.

Identified Planning Goals:

To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability, and recreation within the compartment.

Soil and topography:

Soils are generally Grayling and Saugatuck sand. The topography is very flat and level with the exception of the lowland areas around Robinson Creek.

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

Most of this Compartment is state ownership. The north part of Section 8 is private property including the Village of Roscommon.

Unique Natural Features:

Robinson Creek, a tributary to the South Branch of the AuSable River. This creek falls under Natural Rivers designation.

Archeological, Historical, and Cultural Features:

None identified or found during field work. No concerns from State Archeological Office.

Special Management Designations or Considerations:

This compartment lies with the Forest Fire Experiment Station (FFES). Due to this the entire compartment is an SCA. Robinson Creek is an HCVA under the natural rivers act.

Watershed and Fisheries Considerations:

South Branch of the AuSable River.

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. Maintaining mature forest along Robinson creek offers opportunities for birding.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are located in Section 18 to the south and Section 32 to the north, and there is potential for additional sand and gravel within the compartment. There has been no oil and gas production within several miles of the compartment. There has been some exploration with several dry holes in the vicinity. All of the state land within the compartment is 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 good in this compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

Snowmobile Trail 69 and Roscommon to Geels ORV Route occurs within the compartment. Dispersed recreational hunting within the compartment occurs throughout the parcel for berry / mushroom picking, deer hunting and small game hunting. Robinson Creek located near the eastern edge of the compartment offers some opportunity for wildlife viewing, fishing or hunting.

Fire Protection:

Good portion of this compartment is pine fuels, particularly jack pine that can lead to suppression difficulties. Access is good with numerous roads that could be used for fire breaks.

Additional Compartment Information:

The following reports from the Inventory are attached:

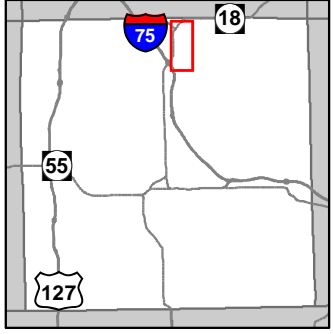
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

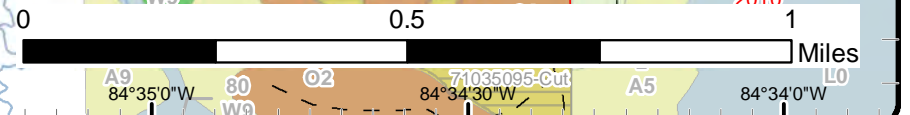
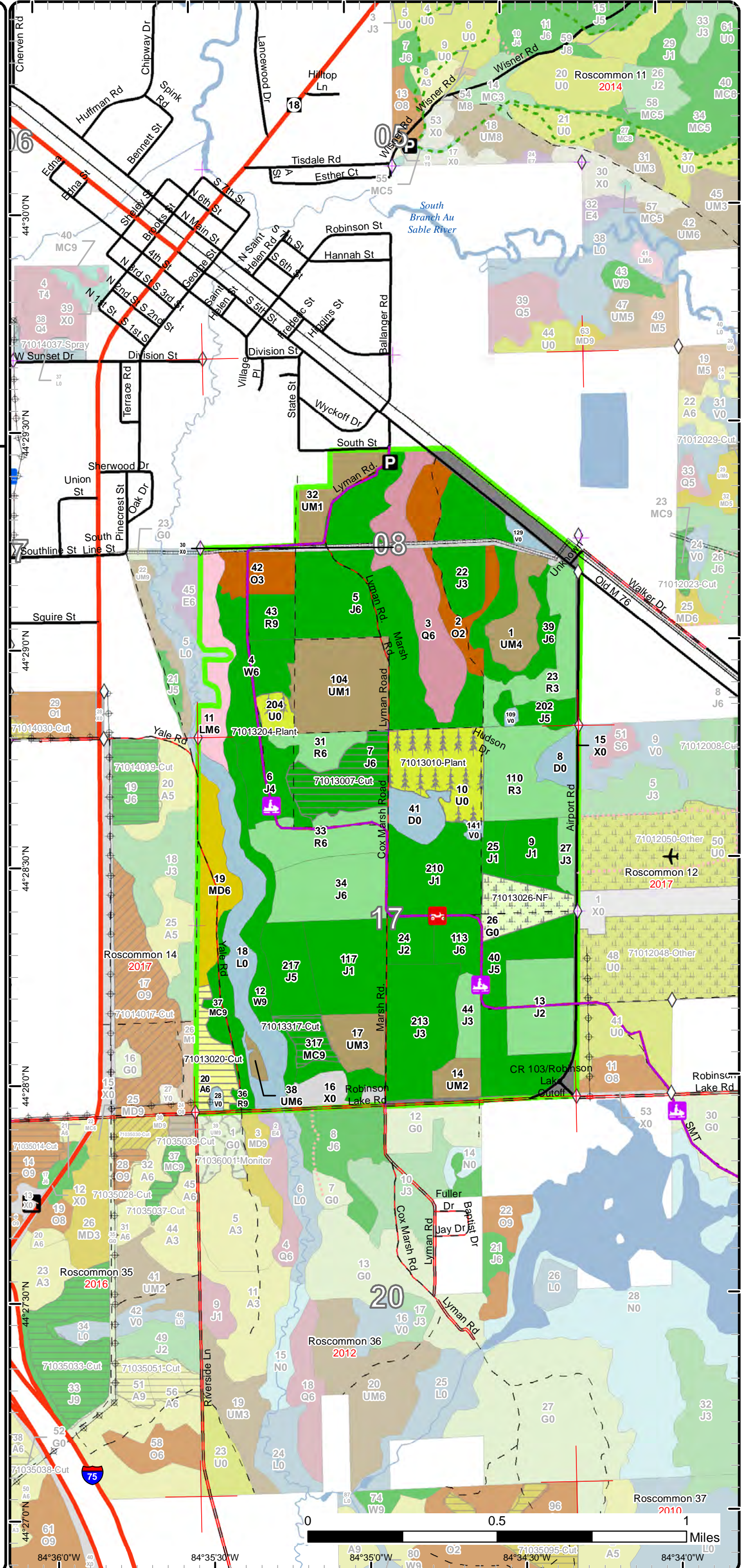
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 13
 T24N,R02W, Sec. 08, 17
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1032.8 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 8/2/2017
 Map Phase: Review

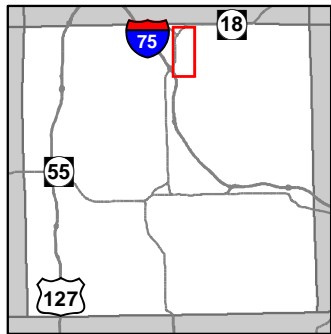


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Toilet
- Airport
- Parking Lot
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Active Railroads
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Planting (tree species)
- Other Treatment - See Comments
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes

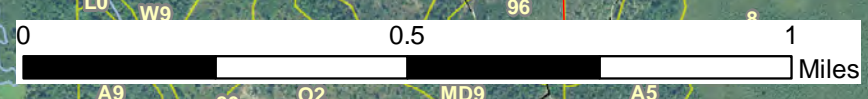
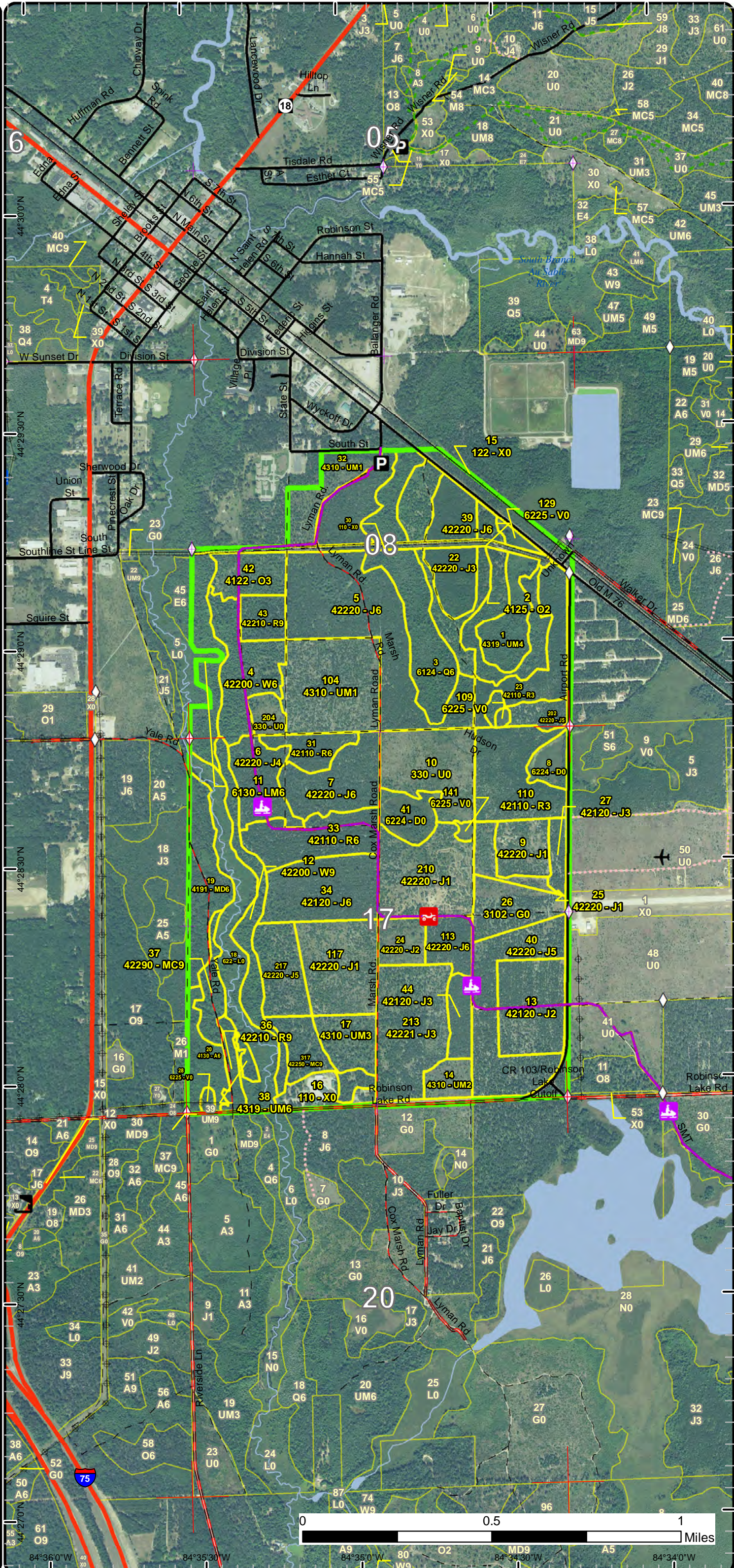


Stand Boundary Map

Compartment: 13
 T24N,R02W, Sec. 08, 17
 County: Roscommon
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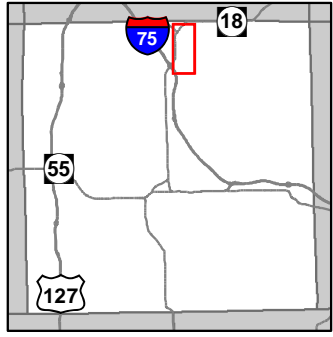
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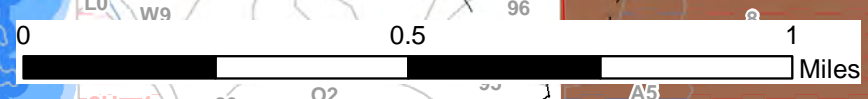
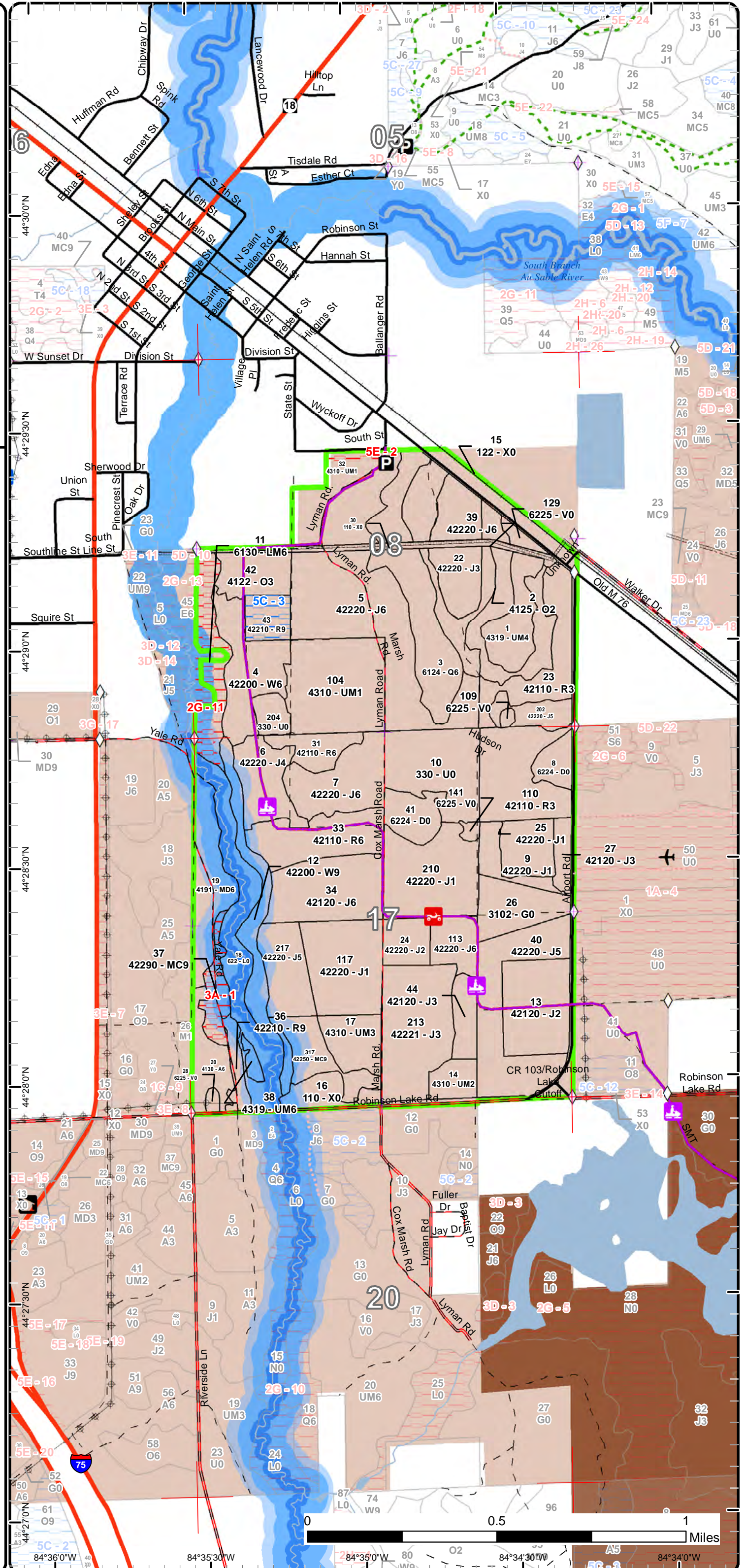
84°36'0"W 84°35'0"W 84°34'30"W 84°34'0"W
 44°27'0"N 44°27'30"N 44°28'0"N 44°28'30"N 44°29'0"N 44°29'30"N

Special Conservation Areas & Site Conditions Map

Compartment: 13
 T24N,R02W, Sec. 08, 17
 County: Roscommon
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- = Poor Dirt Roads
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- + Active Railroads
- Streams
- Lakes and Rivers All
- Pipeline
- + Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Wildlife Management Areas
- Research, Development, and Military Lands



84°36'0"W 84°35'30"W 84°35'0"W 84°34'30"W 84°34'0"W
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Jack Pine	0	18	0	110	236	73	0	25	0	0	0	0	0	0	0	0	0	0	461
Low-Density Trees	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Conifers	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Mixed Forest	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Mixed Upland Deciduous	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Natural Mixed Pines	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	9	0	24
Oak	0	0	14	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Red Pine	0	0	0	53	36	0	0	0	15	0	0	0	0	0	0	0	0	0	104
Treed Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	24	14	41	0	0	2	0	17	0	0	0	0	0	0	0	0	0	98
Urban	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
White Pine	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	48
Total	168	42	28	204	333	73	70	49	61	0	0	0	0	0	0	0	9	0	1036



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 13
Total Compartment Acres: 1,033

Commercial Harvest - 47
 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	14	0	0	0	0	0	0	0	0	14
Jack Pine	25	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	9	0	0	0	0	0	0	0	0	9
Total	47	0	0	0	0	0	0	0	0	47

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	47	0	38	0	0	0	0	18	0	103
Next Step	0	44	38	0	0	122	0	0	0	204
Total	47	44	75	0	0	122	0	18	0	306



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
7	71013007-Cut	25.1	42220 - Natural Jack Pine	Poletimber Well	65	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest all species to inches. Leave all red pine. Do not chip but spread tops out evenly over sale area for natural regeneration. Place a 3											
<u>Specs:</u> percent island for retention within stand.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Jack pine to moderate stocking. If fails interplant with jack pine.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
10	71013010- Plant	31.6	330 - Low-Density Trees	Nonstocked	0	Unspec ified	Planting	Initial Plant	4212 - Planted Jack Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Trench and plant to jack pine. Do not spray or spray due to oak and competition from cherry is very light.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> jack pine and oak to full stocking.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
20	71013020-Cut	13.5	4130 - Aspen	Poletimber Well	75	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest all species to two inches. Leave all red pine. Leave a buffer around stand 28 and portion of this stand between the overhead utility											
<u>Specs:</u> line and county road for retention.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> aspen with other mixed deciduous/pine to full stocking.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
26	71013026-NF	17.8	3102 - Grass	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Keep stand a herbaceous openland per FAA requirements. This can be done by burning, mowing, herbicide, or a combination there of.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



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
204	71013204- Plant	6.0	330 - Low-Density Trees	Nonstocked	0	Unspec ified	Planting	Initial Plant	4212 - Planted Jack Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Site prep and plant jack pine

Specs:

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

Acceptable jack pine to full stocking.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

317	71013317-Cut	8.5	42250 - Pine, Oak	Sawtimber Well	71	Unspec ified	Harvest	Clearcut	42220 - Natural Jack Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand. Do not chip the jack pine tops but scatter uniformly over the sale area. Do not cut any red pine and mark about 1 per acre

Specs: large crowned oak for mast. No retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine with mixed oak to moderate stocking. If fails interplant jack pine to meet stocking levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 102.5**

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 13

Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	2G	3A	5E
		With Condition	Not Available					
13	13	0	0	Aspen				
7	7	0	0	Bog				
18	18	0	0	Herbaceous Openland				
460	460	0	0	Jack Pine				
38	38	0	0	Low-Density Trees				
39	39	0	0	Lowland Conifers				
20	1	0	20	Lowland Mixed Forest		20		
37	37	0	0	Lowland Shrub				
24	24	0	0	Mixed Upland Deciduous				
24	15	0	9	Natural Mixed Pines			9	
36	36	0	0	Oak				
104	95	9	0	Red Pine	9			
19	19	0	0	Treed Bog				
97	95	0	3	Upland Mixed Forest				3
49	49	0	0	Urban				
48	48	0	0	White Pine				
1,033	992	9	32	Total Forested Acres	9	20	9	3
	96%	1%	3%	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	3A: Conservation Values incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Age, size, and lack of disturbance allows the stand to be Type 1 old growth.							
2	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 13

Year of Entry: 2019

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	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
Comments				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4319 - Mixed Upland Forest	Poletimber Poor	16.6	75	1-50	Spruce swamp with tag alder and spruce understory.
2	4125 - Black, N. Pin Oak	Sapling Medium	21.8	36	1-50	STAND SEEDED 1981(old notes) Oak stump sprouts, some entering pole timber class. Some pin cherry maple and jack pine present.
3	6124 - Lowland Spruce-Fir	Poletimber Well	39.2	30	51-80	Wet soils for most part that has gradual upslopes that are drier.
4	42200 - Natural White Pine	Poletimber Well	27.0	57	1-50	In the winter 2000 the stand had the jack pine and oak removed. The regeneration in the understory is a wall. Would not be able to treat right now without causing excessive damage to the understory. Let this go a couple more rotations and see if the regeneration concentration thins out. The main overstory species is long lived anyways so there is time.
5	42220 - Natural Jack Pine	Poletimber Well	80.0	34	Unspecified	
6	42220 - Natural Jack Pine	Poletimber Poor	18.8	42	1-50	
7	42220 - Natural Jack Pine	Poletimber Well	25.1	65	51-80	Time to treat. Final harvest and spread tops evenly for natural regeneration.
9	42220 - Natural Jack Pine	Sapling Poor	13.5	34	Unspecified	Sparse jack pine. Old township dump. Some trash still evident. Mostly old cans and bottles.
11	6130 - Fir, Aspen, Maple	Poletimber Well	20.1	53	81-110	Mixed stand of red maple, white pine, balsam fir and a few aspen along Robinson Creek. Some areas are low and wet. Slope grades up along the east line.
12	42200 - Natural White Pine	Sawtimber Well	20.5	57	81-110	Stand slopes down to Robinson Creek. Some spots it drops off quickly. More oak and maple along the upper east edge with the white pine in the remainder. Some super-canopy pines also. Balsam fir is the major regenerating species. Keep for BMP issues.
13	42120 - Planted Jack Pine	Sapling Medium	28.3	38	Unspecified	PORTIONS OF STAND SEEDED 1979. Area was part of joint study between MDNR and USFS on jack pine regeneration. FFES
14	4310 - Pine, Oak Mix	Sapling Medium	7.8	6	Immature	
17	4310 - Pine, Oak Mix	Sapling Well	13.8	17	Immature	Stand was treated in the winter 2000 leaving all the oak. Naturally regenerating jack pine and oak is coming in well in the understory. Leave all the oaks for mast, seed, and future snags. Damage to much regen. trying to remove.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	23.9	60	81-110	Aspen and jack pine at maturity. If treat, need to leave a buffer along Robinson Creek a minimum of 50 feet wide. Supercanopy trees along this edge. Also mark to leave some of the larger crowned oaks for mast.
20	4130 - Aspen	Poletimber Well	13.5	75	Unspecified	Aspen stand at maturity. Should final harvest to restart.
22	42220 - Natural Jack Pine	Sapling Well	24.2	24	Immature	
23	42110 - Planted Red Pine	Sapling Well	22.4	27	Immature	Red pine plantation. Some rows or parts of rows were planted to jack pine.
24	42220 - Natural Jack Pine	Sapling Medium	10.0	6	Immature	Over story removal harvest and that protected oak and pine understory done in April 2011. Jack pine with visible woodpecker damage were saved for future nesting. Naturally regenerating jack pine about 4-5 feet tall. Some oak stump sprouting occurring also. There is a good percentage of small pole sized jack pine scattered about stand with a lesser percentage of oaks as well. These were left post harvest.
25	42220 - Natural Jack Pine	Sapling Poor	7.8	6	Immature	Stand harvested in April 2011.
27	42120 - Planted Jack Pine	Sapling Well	5.7	38	Unspecified	Stand was seeded in 1979 as a joint study between MDNR and USFS.
31	42110 - Planted Red Pine	Poletimber Well	10.1	39	81-110	Better quality red pine plantation with less jack pine completion.
32	4310 - Pine, Oak Mix	Sapling Poor	16.2	6	Immature	Harvested in 2011 leaving jack pine 4 inch and less with a lot of those being poles now.
33	42110 - Planted Red Pine	Poletimber Well	25.6	39	1-50	Poor quality red pine plantation with fair amount of natural jack pine mixed in. Small wildfire along the snowmobile trail on 5/20/2005. Stand in transition period to pole timber size.
34	42120 - Planted Jack Pine	Poletimber Well	31.2	42	Unspecified	Plantation just into pole class. Dense with scattered stump sprouted oaks. Trace amounts of large super-canopy red pine on the eastern half.
36	42210 - Natural Red Pine	Sawtimber Well	6.2	75	111-140	Natural red pine stand mixed with white pine and a few red maples. With its close proximity to Robinson Creek and old growth stand to the north. This should be left for scenic and conservation values.
37	42290 - Natural Mixed Pine	Sawtimber Well	9.4	155	81-110	Understory is a mix of white pine and maple with the mid-canopy being exclusively red maple. The overstory is Type 1 old growth pine.
38	4319 - Mixed Upland Forest	Poletimber Well	2.3	53	81-110	Higher elevated piece of land surrounded by lowlands.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	42220 - Natural Jack Pine	Poletimber Well	23.2	44	Unspecified	
40	42220 - Natural Jack Pine	Poletimber Medium	38.8	39	Unspecified	Moderately stocked with open areas containing cherry brush. Naturally regenerated.
42	4122 - Oak, Pine	Sapling Well	14.0	16	Immature	Some scattered mature species left representative of the incoming regeneration. Not affecting regeneration.
43	42210 - Natural Red Pine	Sawtimber Well	9.2	78	51-80	Natural red pine stand. Oak, jack pine and some red pine removed last entry. Fair amount of oak in the understory. If tried to remove the overstory now, will cause to much damage to the understory. Let go for awhile. If going to bring back to a red pine plantation this would not matter.
44	42120 - Planted Jack Pine	Sapling Well	8.9	38	Unspecified	Area was part of joint study between MDNR and USFS on jack pine regeneration and was seeded in 1979.
104	4310 - Pine, Oak Mix	Sapling Poor	40.7	27	Immature	
110	42110 - Planted Red Pine	Sapling Well	30.7	24	Immature	Red pine plantation with natural jack pine competition. Some oak regeneration.
113	42220 - Natural Jack Pine	Poletimber Well	11.1	39	Unspecified	Densely stocked, appears to be natural, jack pine. Slightly smaller diameter but a fair amount of saplings in the canopy. Not much oak.
117	42220 - Natural Jack Pine	Sapling Poor	31.5	27	Immature	Jack pine very scattered with some in small clumps. Ground cover is either heavy sedge or blueberry. Areas devoid of pine has cherry brush. Not much if any jack pine seedlings.
202	42220 - Natural Jack Pine	Poletimber Medium	8.7	34	Unspecified	
210	42220 - Natural Jack Pine	Sapling Poor	35.2	27	Immature	Used by FFES for testing of wildland fire plows and other equipment. Lots of areas with exposed soils. Stand is barely forested. Not worth trying to interplant with activity taking place within stand.
213	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	39.8	39	Unspecified	Lots off blueberry ground cover. Sparse stand with a little bit of jack pine seeding into the open areas. Most of the oak is from stump sprouting. On the lower end of the canopy percentage.
217	42220 - Natural Jack Pine	Poletimber Medium	18.5	27	Immature	Northern third of stand has scattered upland white pine mostly in the saw class size with oak and jack pine mixed underneath.
317	42250 - Pine, Oak	Sawtimber Well	15.0	71	Unspecified	Jack pine is overmature and starting to fall apart. Should remove as much of the stand as can and leave buffer around the buildings and area that is being monitored for soil containments. Leave the red pine and mark 10-20 basal area of large crowned oaks for mast.



Stand	Cover Type	Acres	Managed Site	General Comments:
8	6224 - Treed Bog	7.2	No	leatherleaf bog with jack pine on the perimeters.
10	330 - Low-Density Trees	31.6	No	Failed to regenerate. Some oak stump sprouts and a little bit of jack pine seeding. Mostly cherry brush. Site prep and plant jack pine. Do not spray or roller chop due to oak.
15	122 - Road/Parking Lot	29.4	No	Robinson Lake Road, Old M-76, Railroad R.O.W. and a cleared R.O.W. for overhead powerline.
16	110 - Low Intensity Urban	9.7	No	FOREST FIRE EXPERIMENT STATION Complex
18	622 - Lowland Shrub	36.8	No	Lowland tag alder area that Robinson Creek flows through.
26	3102 - Grass	17.8	No	Will be cleared and concerted to a grass opening per FAA guidelines for the adjacent Roscommon Conservation Airport glide path. Cut in the summer of 2017
28	6225 - Bog	1.4	No	
30	110 - Low Intensity Urban	9.9	No	R.O.W. for a buried high pressure natural gas line.
41	6224 - Treed Bog	11.5	No	Jack pine treed bog
109	6225 - Bog	1.1	No	Leather leaf bog with a few jack pine saps
129	6225 - Bog	2.6	No	Leather leaf bog with some spruce, tamarack and pine.
141	6225 - Bog	1.5	No	Leather leaf bog with a few jack pine saps
204	330 - Low-Density Trees	6.0	No	Stand was burnt in a wildfire on 5/20/05. Fail to regenerate and just cherry. Recommend to trench and plant jack pine.