



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71043

Entry Year 2019

Acreage: 1,214

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2017-08-02

Stand Examiner: Jason Lewicki

Legal Description:

T24N, R01W Sections 19 and 20

Identified Planning Goals:

Vegetation management in the AuSable Outwash management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including several state wildlife area floodings, the Roscommon Forest Fire Experiment Station, threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on improving the age-class structure of aspen, harvesting older jack pine and regeneration of red pine and oak to help balance age-classes. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity and management of the state wildlife management areas. Expected trends within this 10-year planning period are an increase in non-native exotic plants, especially Phragmites in the wetland areas and increased recreational pressure.

Soil and topography:

Soils on the uplands consist of Greycalm-Grayling, Greycalm-Klacking, Klacking and Chinwhisker sands. Soils on the uplands consist mainly of Dawson-Loxley peats.

The topography is generally flat to rolling with the exception of the western edge which has some rolling hills.

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

Much of this compartment is under state ownership as well as the surrounding area. The SESE of section 20 is privately owned.

There is heavy oil and gas use within the compartment. The main lease holder is Muskegon Development.

Unique Natural Features:

None known

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

There is no surface water within this compartment but the South Branch of the AuSable River lies just to the east.

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. Wildlife openings will be increased in this compartment. Continued aspen management is especially beneficial to grouse.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area but there should be some good sand and gravel potential within the compartment. Part of the St. Helen Field is located in the compartment. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. Therefore, the field is not expected to expand. Most of the state-owned minerals are currently leased. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access is very good throughout the compartment. Multiple county and forest roads bisect the compartment. Many of the state forest roads are used by the oil and gas industry and are in good condition.

Survey Needs:

A survey is needed for harvest operation around the private property within section 20.

Recreational Facilities and Opportunities:

Designated ATV 50" (Geels) trail traverses in and around the edge of the compartment.

Where the public have access the area provides ample hunting opportunities for deer, grouse, rabbit and other game species.

Fire Protection:

Not much for high hazard fuels. Access in this compartment is limited in areas.

Additional Compartment Information:

The following reports from the Inventory are attached:

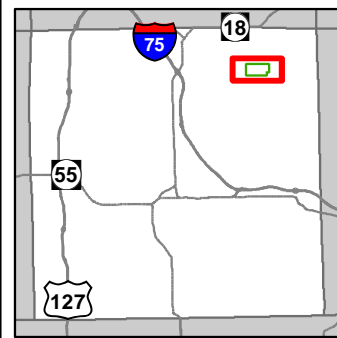
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

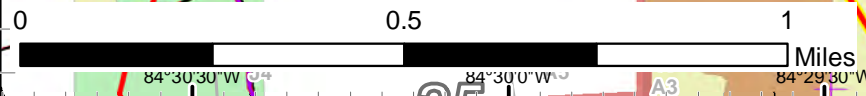
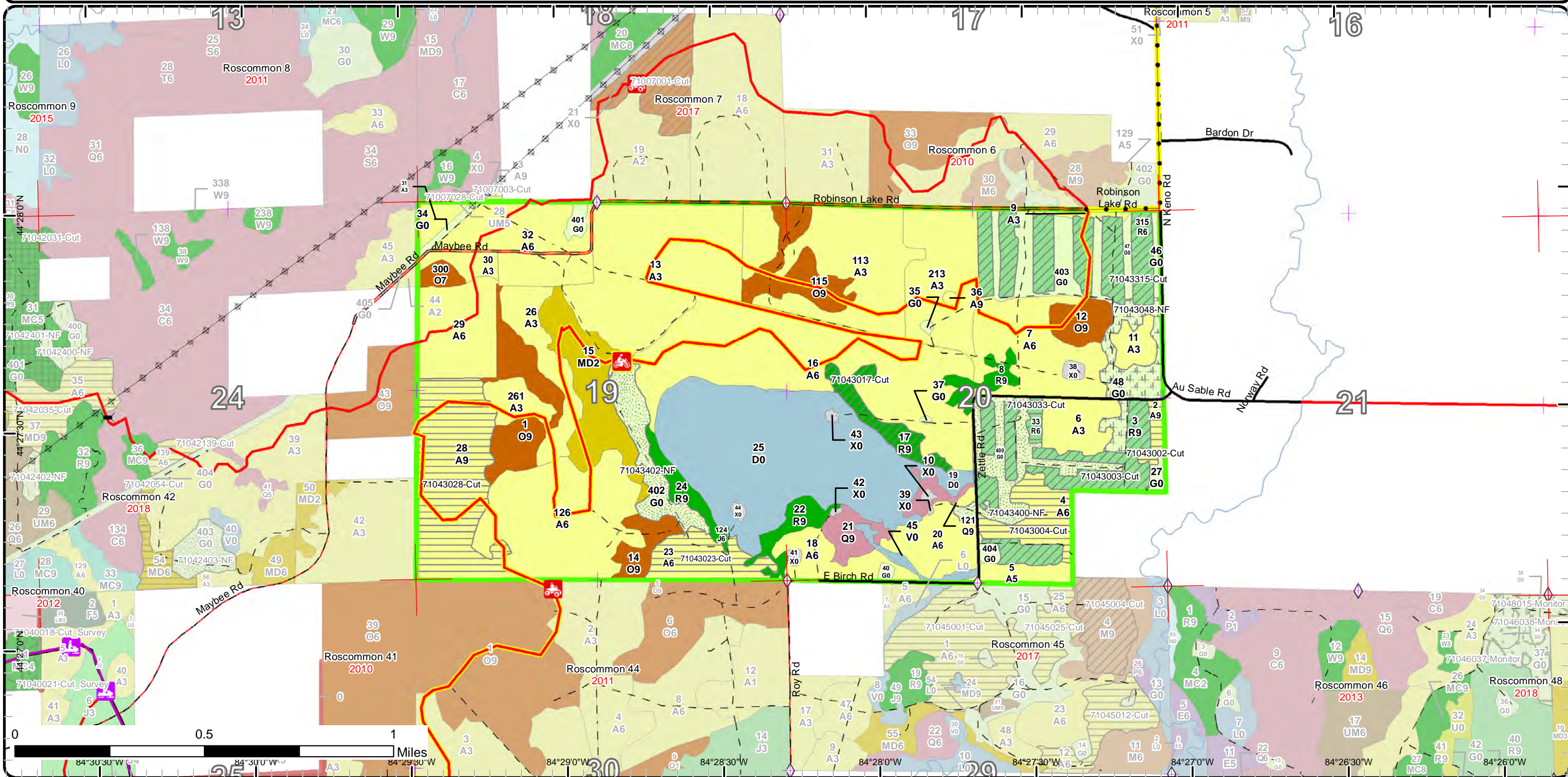
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed Treatments**
- Site Condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 43
 T24N, R01W, Sec. 19-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1214.4 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 8/2/2017
 Map Phase: Review

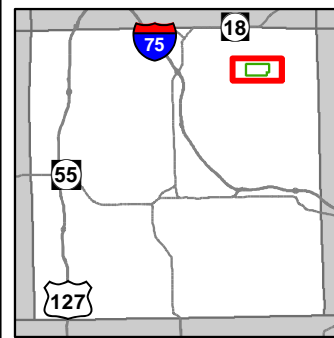


- Miris Corners
- + Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Bridge
- MCCCT Trails
- ORV Trails
- Snowmobile Trails
- ORV License
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- ⊕ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Mowing
- Thinning (Crown, Low, Systematic)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



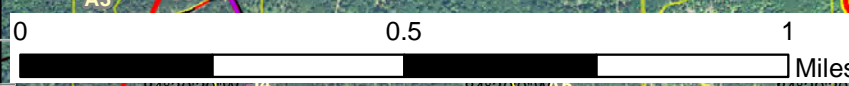
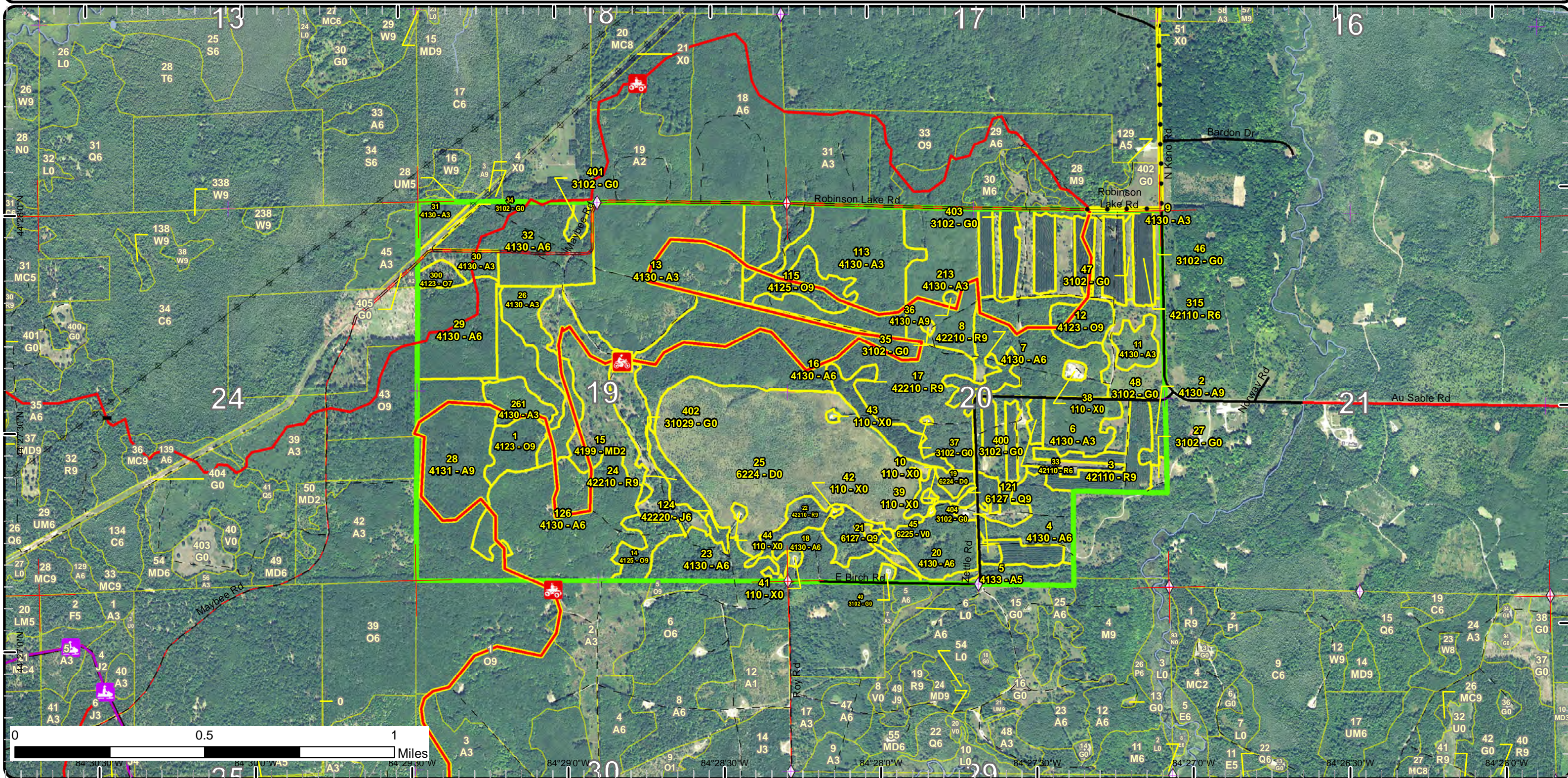
Stand Boundary Map

Compartment: 43
 T24N, R01W, Sec. 19-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2019
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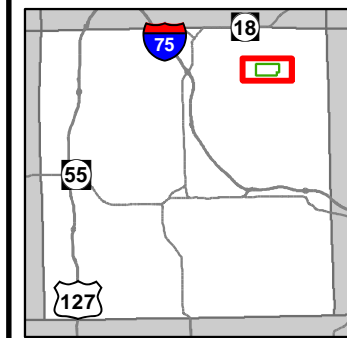
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- 310 - Herbaceous Openland
- 622 - Lowland Shrub



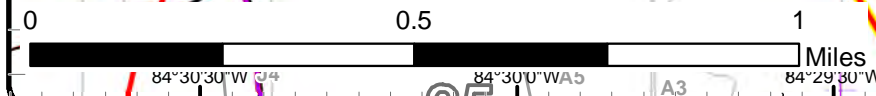
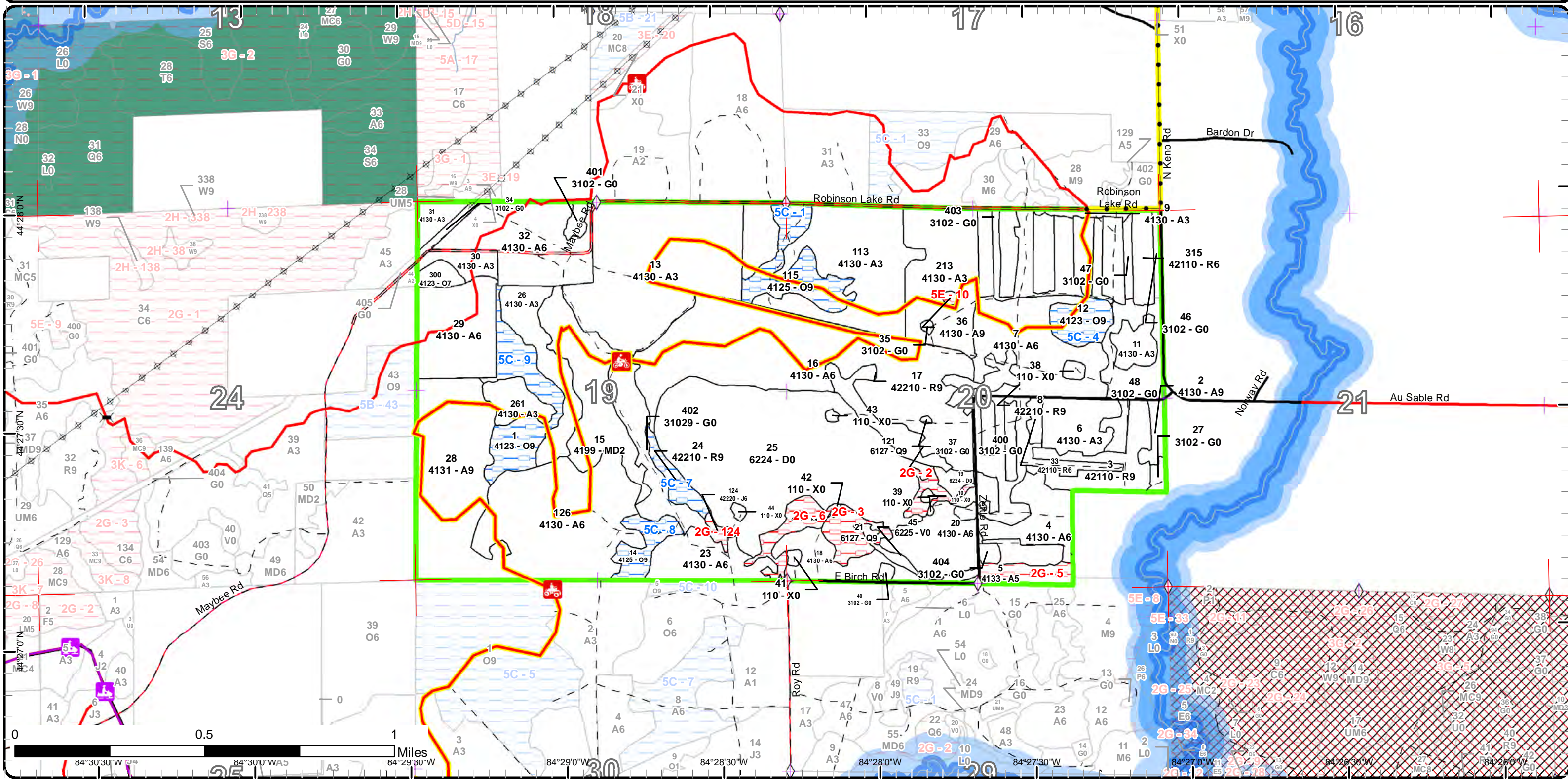
84°30'30"W 84°30'00"W 84°29'30"W 84°29'00"W 84°28'30"W 84°28'00"W 84°27'30"W 84°27'00"W 84°26'30"W 84°26'00"W

Special Conservation Areas & Site Conditions Map

Compartment: 43
 T24N, R01W, Sec. 19-20
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
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- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- High Priority Trout Stream Buffer
- Habitat Corridor



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	24	177	134	0	291	29	0	5	0	66	1	0	0	0	0	0	0	727
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
Jack Pine	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Oak	0	0	0	0	0	0	0	0	0	36	11	25	0	0	0	0	0	0	72
Red Pine	0	0	0	0	0	0	91	0	0	29	0	0	0	0	0	0	0	0	120
Treed Bog	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	242	60	177	134	0	291	120	2	5	43	102	12	25	0	0	0	0	0	1213



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 43
Total Compartment Acres: 1,214

Commercial Harvest - 206
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	110	0	0	0	0	0	0	0	0	110
Red Pine	3	0	0	0	0	93	0	0	0	96
Total	113	0	0	0	0	93	0	0	0	206

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	206	0	0	0	0	0	0	0	63	269
Next Step	0	0	0	0	0	0	113	0	43	156
Total	206	0	0	0	0	0	113	0	106	425



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
2	71043002-Cut	4.8	4130 - Aspen	Sawtimber Well	76	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen. No retention due to size and shape. Survey needed.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

3	71043003-Cut	37.6	42110 - Planted Red Pine	Sawtimber Well	52	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark to cut by removing approximately 1/3 the volume. Remove poor formed and suppressed red pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

4	71043004-Cut	18.9	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand and manage for aspen. Leave 1-2 islands of aspen for retention. Leave scattered brush piles and apply the drumming log

Specs: spec. Needs survey.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

17	71043017-Cut	12.4	42210 - Natural Red Pine	Sawtimber Well	89	141- 170	Harvest	Crown Thinning	4221 - Natural Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Tin stand by removing poor formed and suppressed red pine. Target residual BA around 100. Understory will probably be taken over by red

Specs: maple after harvest. Do not cut aspen or red maple.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 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
23	71043023-Cut	20.4	4130 - Aspen	Poletimber Well	56	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen regeneration. Save a islands of aspen for retention. Consider leaving oak under 4". Apply drumming log
Specs: and brush pile specs.

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

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

28	71043028-Cut	66.3	4131 - Aspen, Oak	Sawtimber Well	99	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest and manage for aspen. Leave islands of heavier oak areas for mast production as well as a few scattered oak throughout. ORV
Specs: trail runs through the stand. Protect with appropriate specs. Leave scattered brush piles and use drumming log spec.

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

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

33	71043033-Cut	2.9	42110 - Planted Red Pine	Poletimber Well	52	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen regeneration. Save a few small groups of red pine for diversity and retention. Leave no aspen retention.
Specs:

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

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

48	71043048-NF	20.0	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	3102 - Grass		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Managed wildlife opening
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 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
315	71043315-Cut	42.8	42110 - Planted Red Pine	Poletimber Well	52	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thin by removing 1/3 the volume. Remove poor formed and suppressed red pine. ORV trail runs through the stand. Protect with the appropriate
Specs: specs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

400	71043400-NF	23.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 10.
Specs:

Next Step NonForestMgt, Mowing
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

402	71043402-NF	19.6	31029 - Grass (OI)	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 9.
Specs:

Next Step NonForestMgt, Mowing
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
 Acreage Proposed: 269.0**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 43
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	2G	5E
		With Condition	Not Available				
728	718	0	10	Aspen		9	1
5	5	0	0	Bog			
102	102	0	0	Herbaceous Openland			
2	0	0	2	Jack Pine		2	
14	0	0	14	Lowland Conifers		14	
36	36	0	0	Mixed Upland Deciduous			
72	4	68	0	Oak	68		
119	103	7	10	Red Pine	7	10	
131	131	0	0	Treed Bog			
5	5	0	0	Urban			
1,214	1,104	75	35	Total Forested Acres	75	35	1
	91%	6%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 43
Year of Entry: 2019

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 43
Year of Entry: 2019

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
124	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	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	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.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 43
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4123 - Red Oak	Sawtimber Well	25.2	111	111-140	Stand of good quality red oak mixed with Bigtooth aspen. Stand is Healthy and is used heavily by deer for hard mast. Stand can hold.
2	4130 - Aspen	Sawtimber Well	4.8	76	81-110	Over mature stand of quaking aspen. Some northern hardwood species mixed in on the north end. Autumn olive in the understory.
3	42110 - Planted Red Pine	Sawtimber Well	37.6	52	141-170	Red pine plantation that was tire row thinned last entry. Good quality site. Some autumn olive on the east side.
4	4130 - Aspen	Poletimber Well	18.9	45	81-110	Second growth mature quaking aspen stand. Showing signs of heart rot(conks).
5	4133 - Aspen, Mixed Pine	Poletimber Medium	9.0	55	51-80	Pole timber aspen stand that contains a wet area with a small drainage.
6	4130 - Aspen	Sapling Well	16.9	17	Immature	
7	4130 - Aspen	Poletimber Well	42.3	45	81-110	Mixed aspen pole timber stand
8	42210 - Natural Red Pine	Sawtimber Well	7.5	59	111-140	East end has smaller diameters and appears to be Of plantation origin. west end appears more natural with higher diameters. Stand has scattered poletimber aspen mixed in. If harvested the stand would probably convert to aspen.
9	4130 - Aspen	Sapling Well	3.0	7	Immature	cut winter 2010
11	4130 - Aspen	Sapling Well	7.9	7	Immature	Cut Winter 2010
12	4123 - Red Oak	Sawtimber Well	10.8	106	51-80	Large open grown red oak mixed with northern hardwoods component and aspen. Aspen around the edges.
13	4130 - Aspen	Sapling Well	85.9	14	Immature	OI Stand Year Origin was 2003
14	4125 - Black, N. Pin Oak	Sawtimber Well	10.2	99	51-80	
15	4199 - Other Mixed Upland Deciduous	Sapling Medium	36.2	7	Immature	Cut Summer 2010, left some vigorous oaks for seed. Northern half is dominated by aspen while the southern half is dominated by red maple.
16	4130 - Aspen	Poletimber Well	115.9	42	51-80	Quaking aspen pole timber stand with some scattered super canopy red pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42210 - Natural Red Pine	Sawtimber Well	12.4	89	141-170	High quality natural red pine sawtimber stand. BA's average from 150 - 200. Narrow stand along a large bog. Some red maple in understory.
18	4130 - Aspen	Poletimber Well	17.4	41	51-80	Stand of quaking aspen with some scattered mixed pine. Stand Year Origin was 1976
20	4130 - Aspen	Poletimber Well	21.8	41	51-80	Stand of almost pure quaking aspen poletimber. Stand Year Origin was 1976.
21	6127 - Lowland Pine	Sawtimber Well	9.3	86	51-80	Mixed pine bog. Some red pine sawtimber mixed with jack and white pine. Some red and white pine in understory. Very high water table.
22	42210 - Natural Red Pine	Sawtimber Well	9.5	89	81-110	Small stand of natural red pine along bog edge.
23	4130 - Aspen	Poletimber Well	20.4	56	81-110	Stand of poletimber quaking aspen in decline. Scattered old black oak that is experiencing heavy mortality. Some areas of advanced oak regeneration and small poles otherwise red maple understory.
24	42210 - Natural Red Pine	Sawtimber Well	6.8	86	111-140	Natural red pine stand along bog edge. High water table. Some black spruce and jack pine scattered about. Especially on north end.
26	4130 - Aspen	Sapling Well	22.1	14	Immature	Stand Year Origin was 2003
28	4131 - Aspen, Oak	Sawtimber Well	66.3	99	111-140	Rolling ridges of mature oak and Bigtooth aspen sawtimber. Stand is heavier to aspen but pockets of almost solid oak exist. stand has a wide open understory.
29	4130 - Aspen	Poletimber Well	33.5	42	51-80	Mixed aspen stand with areas of good red oak from stump sprouts.
30	4130 - Aspen	Sapling Well	7.4	8	Immature	
31	4130 - Aspen	Sapling Well	6.0	8	Immature	CUT WITH COMPARTMENT 42 STAND 45 TO THE WEST IN 2008
32	4130 - Aspen	Poletimber Well	41.4	41	81-110	Primarily a Bigtooth aspen stand. Small pocket of oak and maple along north side of the road. Dominated by quaking aspen on the north end.
33	42110 - Planted Red Pine	Poletimber Well	2.9	52	111-140	Red pine plantation that has scattered aspen mixed in. Rows are broken and in some places run perpendicular to each other.
36	4130 - Aspen	Sawtimber Well	0.7	101	81-110	Old Mims plot that was not harvested. Use as retention for surrounding stand

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 43
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
113	4130 - Aspen	Sapling Well	63.2	27	Immature	OI Stand Year Origin was 1990, Stand is starting to develop poletimber. Some scattered beech saplings .
115	4125 - Black, N. Pin Oak	Sawtimber Well	22.0	96	51-80	Oak stand that has had red maple and aspen removed in the past. M3/A3 understory. Retain as wildlife travel corridor
121	6127 - Lowland Pine	Sawtimber Well	4.9	86	111-140	Natural red pine stand with a very high water table. Small bogs scattered throughout. Leather leaf in understory.
124	42220 - Natural Jack Pine	Poletimber Well	1.9	61	81-110	
126	4130 - Aspen	Poletimber Well	71.0	27	Immature	Stand Year Origin was 1990
213	4130 - Aspen	Sapling Well	42.4	17	Immature	
261	4130 - Aspen	Sapling Well	9.5	14	Immature	Stand Year Origin was 2003
300	4123 - Red Oak	Sawtimber Poor	4.2	94	1-50	SHELTERWOOD CUT 2009. Very little oak regeneration.
315	42110 - Planted Red Pine	Poletimber Well	42.8	52	141-170	Stand was third row thinned in 2010. 150+ ba.



Stand	Cover Type	Acres	Managed Site	General Comments:
10	110 - Low Intensity Urban	0.7	No	
19	6224 - Treed Bog	3.3	No	
25	6224 - Treed Bog	127.8	No	Treed bog.
27	3102 - Grass	2.3	No	
34	3102 - Grass	2.5	No	UTILITY LINES
35	3102 - Grass	0.6	No	
37	3102 - Grass	0.3	No	Oil/gas well
38	110 - Low Intensity Urban	1.6	No	OPIC - FMD: Oil/gas well pads
39	110 - Low Intensity Urban	0.2	No	Oil/gas well pads
40	3102 - Grass	1.1	No	Oil/gas well pads
41	110 - Low Intensity Urban	0.9	No	OPIC - FMD: Oil/gas well pads
42	110 - Low Intensity Urban	0.3	No	OPIC - FMD: Oil/gas well pads
43	110 - Low Intensity Urban	0.6	No	OPIC - FMD: Oil/gas well pads
44	110 - Low Intensity Urban	0.9	No	OPIC - FMD: Oil/gas well pads
45	6225 - Bog	4.6	No	
46	3102 - Grass	2.9	Yes	
47	3102 - Grass	3.1	Yes	
48	3102 - Grass	20.0	Yes	



Stand	Cover Type	Acres	Managed Site	General Comments:
400	3102 - Grass	23.3	No	
401	3102 - Grass	2.7	No	
402	31029 - Grass (OI)	19.6	Yes	OPIC - FMD: Maintained grass opening with several small islands of timber including oak, cherry and aspen.
403	3102 - Grass	21.0	Yes	
404	3102 - Grass	2.3	No	