



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71127

Entry Year 2018

Acreage: 1,271

County Roscommon

Management Area: Ogemaw Hills

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**Revision Date:** 2016-07-26

**Stand Examiner:** Doug Bates

**Legal Description:**

T22N R01W Sections 28 and 29

**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 consist of Roselawn sands Topography to the west is generally flat but contains some hills and ridges to the east.

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

The entire compartment as well as much of the surrounding area is under state ownership. There are some permanent residents on the south side of Spring and Indian lake.

**Unique Natural Features:**

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

None identified.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

A fair amount of aspen was the result of D.R.I.P. cuttings. Stands 13, 19, and 38.

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

Sections 28 & 29, T22N R1W, Roscommon County

Surface sediments consist of sand and gravel from ice-contact drift, glacial outwash, and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay elsewhere in the state. Most of the good sand and gravel pits are associated with upland areas. Most of this compartment is upland and, therefore, potential is considered good. There is an active sand and gravel pit in Section 29/32. The abandoned Denton Creek Field is located four miles to the west. The closest active production is greater than six miles to the east. There is currently no active leasing within the compartment.

**Vehicle Access:**

Good access to all of the unit with conventional vehicles. There are some steep sandy hills that will not be traversable by logging trucks and will require some detours.

**Survey Needs:**

None at this time

**Recreational Facilities and Opportunities:**

Portions of the St. Helen 50" ORV trail run through this compartment. Lots of dispersed recreational activities such as hunting, hiking, and berry picking occur in this compartment. Assure logging ahead signs are placed on the trail to notify users of logging activity. Focus retention pockets in clusters along or near trail. Retention of trees near or along the recreational trail that are substantial enough to withstand wind throw are encouraged; if not remove. All sign posts and

confidence markers shall be protected. Ensure logging activity does not obliterate the trail. Flush-Cut or leave stumps high to ensure stumps do not result in unsafe conditions. Prohibit widening of any single track recreational trail, blocking trail crossings or leaving slash and debris on any recreational trail or road. Non-merchantable understory maintained adjacent to trail shall be protected and be maintained next to trail tread to promote narrow use.

**Fire Protection:**

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

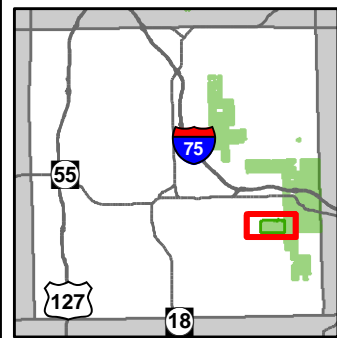
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

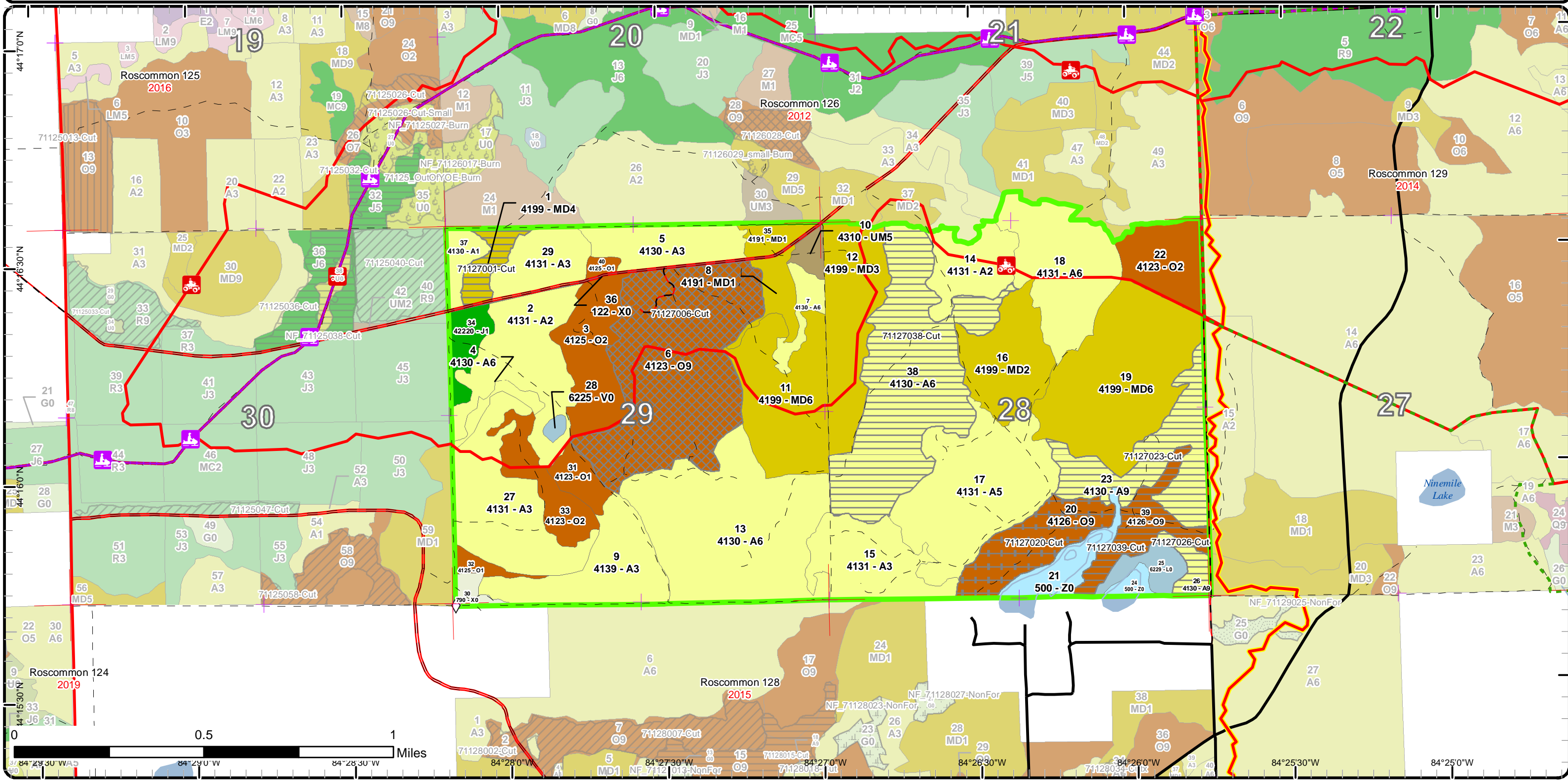
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 127  
 T22N, R01W, Sec. 28-29  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Ogemaw Hills  
 YOE: 2018  
 Acres: 1272 GIS Calculated  
 Examiner: Doug Bates  
 Map Revised: 2/9/2017  
 Map Phase: Post-Review

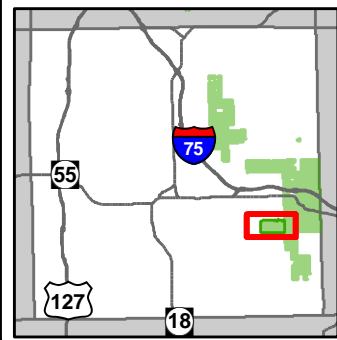


- Miris Corners
- Re monumented Section Corners
- Field Grade GPS Corners
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated
- Lakes

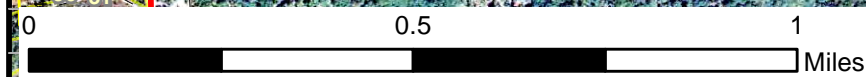
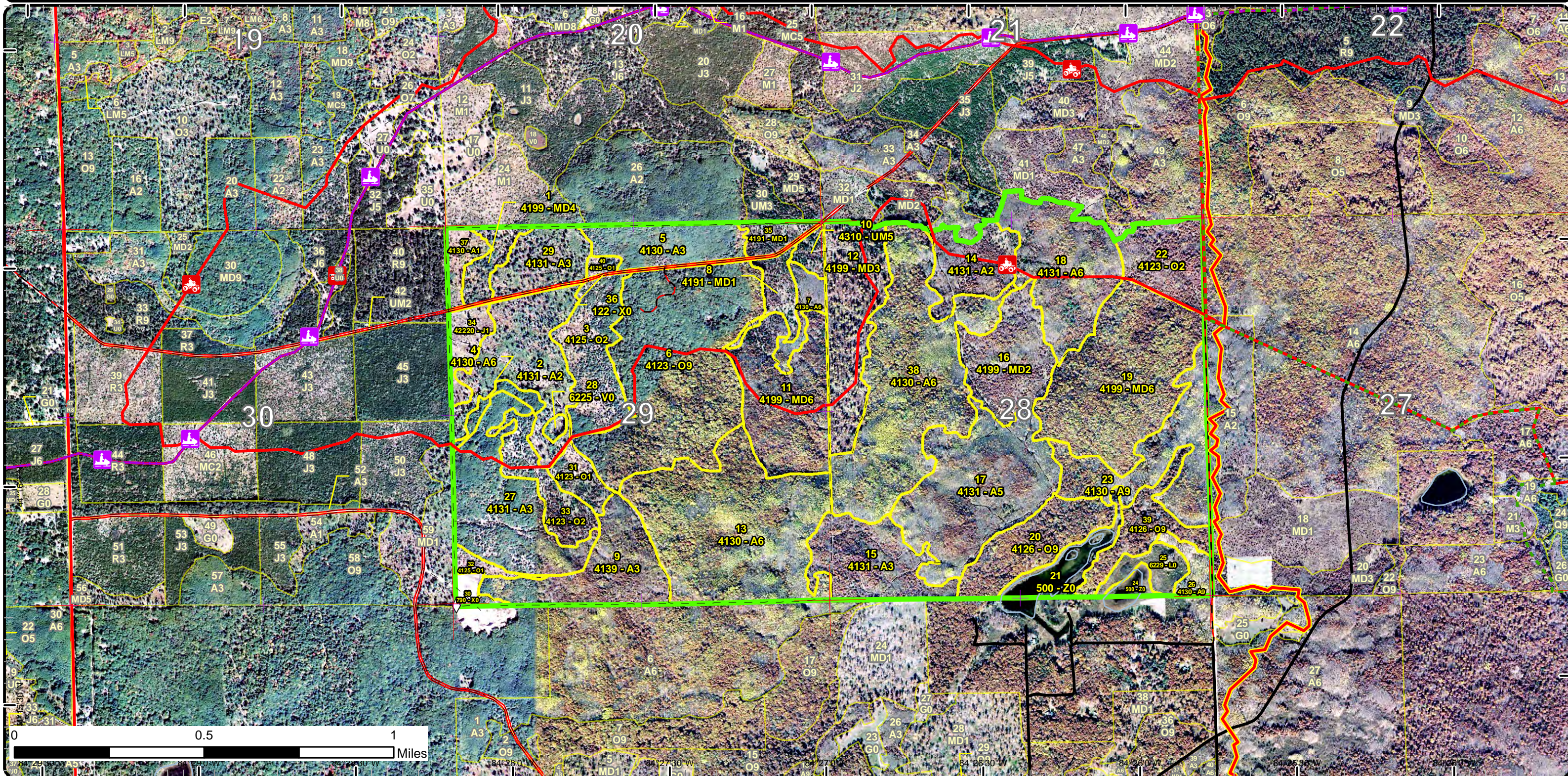


# Stand Boundary Map

Compartment: 127  
 T22N, R01W, Sec. 28-29  
 County: Roscommon  
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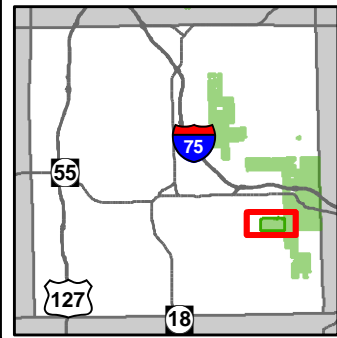
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- 🛵 ORV Trails
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- Designated Hiking Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
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- ▭ Compartment Boundary
- ▭ Stand Boundaries
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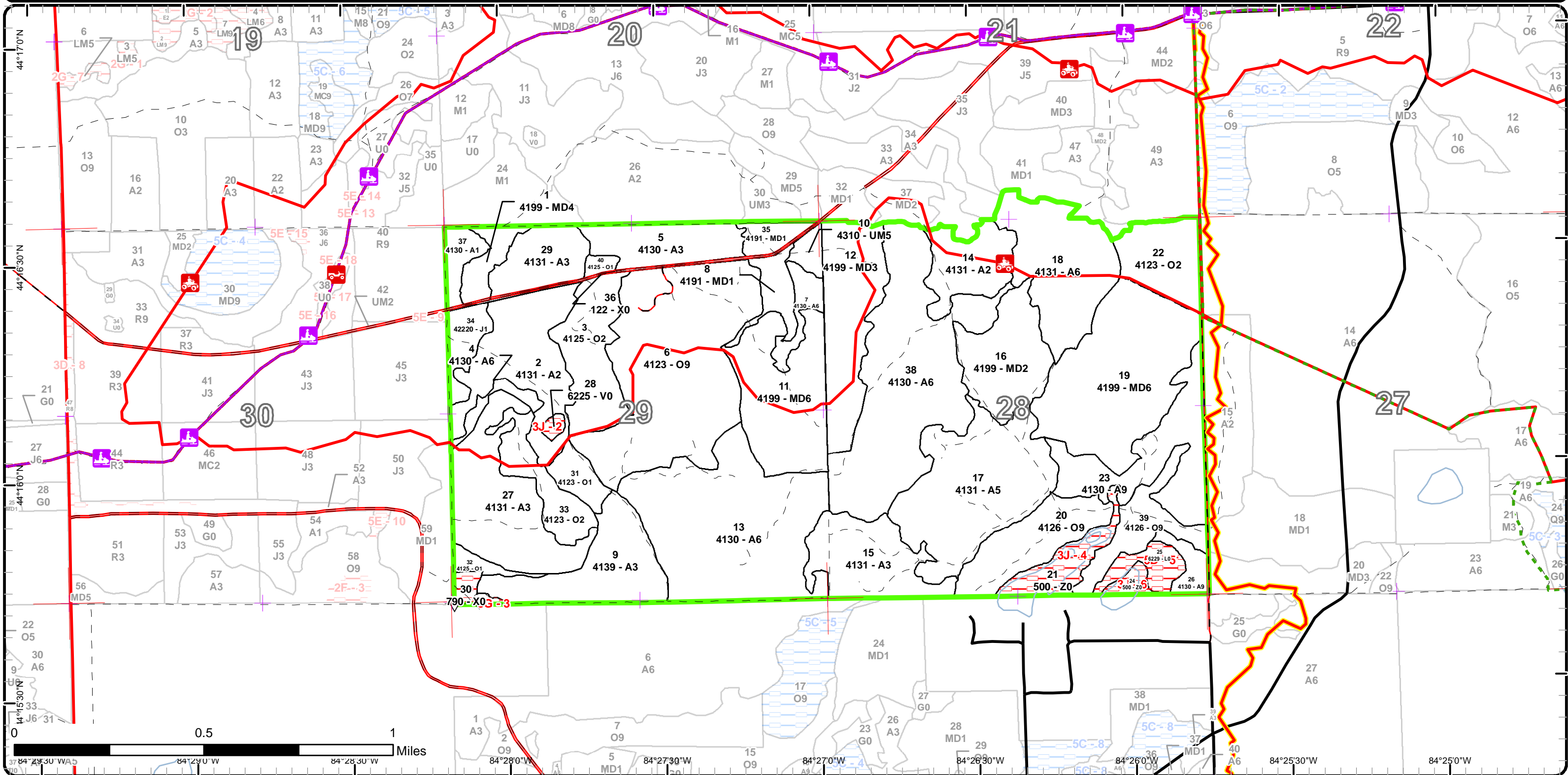
84°28'0" W 84°27'30" W 84°27'0" W 84°26'30" W 84°26'0" W 84°25'30" W

# Special Conservation Areas & Site Conditions Map

Compartment: 127  
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- Miris Corners
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- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- Unavailable
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries



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	23	144	131	0	266	0	0	0	8	0	0	0	0	0	0	0	113	685
Bare/Sparsely Vegetated	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Mixed Upland Deciduous	0	47	112	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	256
Oak	0	0	79	0	0	0	0	0	118	55	0	0	0	0	0	0	0	21	273
Upland Mixed Forest	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
<b>Total</b>	<b>44</b>	<b>82</b>	<b>335</b>	<b>131</b>	<b>5</b>	<b>363</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>134</b>	<b>1275</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2018

Acres of Harvest

Compartment 127  
Total Compartment Acres: 1,271

Commercial Harvest - 344  
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	161	0	0	0	0	0	0	0	0	161
Mixed Upland Deciduous	11	0	0	0	0	0	0	0	0	11
Oak	23	118	0	0	0	33	0	0	0	173
<b>Total</b>	<b>194</b>	<b>118</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>344</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	344	0	0	0	0	0	0	0	0	344
Next Step	0	66	33	0	0	377	0	0	0	476
<b>Total</b>	<b>344</b>	<b>66</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>377</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>820</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	71127001-Cut	10.6	4199 - Other Mixed Upland Deciduous	Poletimber Poor	42	1-50	Harvest	Clearcut	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Final harvest all species to two inches. Leave all white oak. Trench and replant site to red pine.											
<u>Specs:</u>											
<u>Next Step</u> ; SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> Fully stocked red pine and mixed deciduous.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
6	71127006-Cut	117.5	4123 - Red Oak	Sawtimber Well	86	111- 140	Harvest	Group Selection	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Do an group selection removal first by removing all the aspen and jack pine. Then manage for crop trees of the pole/small log class trees by											
<u>Specs:</u> managing for best tree in place, removing the larger/older oaks. Manage for good quality maple stems where present. Leave an older/poor quality oak when it will be beneficial to wildlife. Target basal area should be 70-90, but will be less where the aspen/pine concentrations are higher.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> oak with a mix of aspen											
<u>Regen:</u>											
<u>Other</u> Place a recreational trail protection spec. in the contract.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
20	71127020-Cut	32.6	4126 - White, Black, N. Pin Oak	Sawtimber Well	91	81-110	Harvest	Overstory Removal	4126 - White, Black, N. Pin Oak	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Overstory removal by targeting the overmature pin oaks followed by low quality species trees. Managing for white oaks of larger sizes and all											
<u>Specs:</u> oaks of good quality in the pole/small sawlog class. Create some regeneration gaps where oak regeneration already present. Remove all aspen.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> oak											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
23	71127023-Cut	45.9	4130 - Aspen	Sawtimber Well	46	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Final harvest all species to two inches. Leave all white oak. Place a couple retention islands within stand totaling 3 percent. All hauling traffic											
<u>Specs:</u> will need to go out to the south via Campground Road. Place a drumming log spec.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> aspen with a mixed deciduous component.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											





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
26	71127026-Cut	7.7	4130 - Aspen	Sawtimber Well	91	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

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

Prescription Final harvest all species to two inches. Smaller size so no retention. Cut during dormancy to try and help the older aspen regenerate the best it can.  
Specs:

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

Acceptable fully stocked aspen.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

38	71127038-Cut	107.2	4130 - Aspen	Poletimber Well	42	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species to two inches but white oak. Leave all white oak. Leave a couple of retention islands within stand totaling 3 percent.  
Specs: Place a drumming log spec.

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

Acceptable Aspen with a mix of oak.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

39	71127039-Cut	22.5	4126 - White, Black, N. Pin Oak	Sawtimber Well	91	111- 140	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species to two inches. Mark to leave approximately one large crowned oak, preferably white oak, for mast. Place retention as a buffer strip along the boundaries with stands 21 and 25. Look to do between 5 and 7 percent by area.  
Specs:

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

Acceptable fully stocked red pine plantation with mixed deciduous.  
Regen:

Other Plant to red pine seedlings. Could interplant with oak if wildlife division wants to try it.  
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
 Acreage Proposed: 344.0**

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Doug Bates : Examiner

Compartment: 127  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions		
		With Condition	Not Available		3G	3J	5D
684	684	0	0	Aspen			
5	0	0	5	Bare/Sparsely Vegetated	5		
2	0	0	2	Bog		2	
12	12	0	0	Jack Pine			
11	0	0	11	Lowland Shrub			11
255	255	0	0	Mixed Upland Deciduous			
272	272	0	0	Oak			
5	5	0	0	Upland Mixed Forest			
4	4	0	0	Urban			
22	0	0	22	Water		22	
1,271	1,233		39	Total Forested Acres	5	23	11
	97%		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
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	3G: Other Influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Currently being used by the Roscommon County Road Commission to store gravel.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

# Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 127

Year of Entry: 2018

5	Unavailable	5D: Unproductive Forest Land	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4199 - Other Mixed Upland Deciduous	Poletimber Poor	10.6	42	1-50	Poor quality sparse stand. The oak is all deformed and there is little to no regeneration. Recommend final harvesting and replanting the stand to red pine.
2	4131 - Aspen, Oak	Sapling Medium	49.3	8	Unspecified	Approximately 10+ basal area of saw class left residual. The regeneration is not as thick as the stand north of the road. Leave the large overstory.
3	4125 - Black, N. Pin Oak	Sapling Medium	35.0	18	Immature	Far stocked stand with the major component being stump sprouted oaks. The and south lines have the dense aspen clones.
4	4130 - Aspen	Poletimber Well	5.3	46	51-80	
5	4130 - Aspen	Sapling Well	27.2	18	Immature	Nice aspen stand with heavier maple understory. There are some larger stump sprouted oaks within.
6	4123 - Red Oak	Sawtimber Well	117.5	86	111-140	Fairly open stand as far as understory. The overstory has mature+ aspen and about half the oaks. There is a good percentage of small saw class and pole oaks which should manage for. Remove all the aspen which are mainly small 1/2 acre or less in size clones. remove the jack pine and then manage for the best tree in place, siding towards crop trees for residual. Even manage for good maple stems also. target basal area of 70-90, which will be less in areas of higher aspen/jack pine concentrations.
7	4130 - Aspen	Poletimber Well	9.1	19	Unspecified	Good aspen regeneration
8	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	11.0	18	Immature	Not the best regenerating stand. Think it is to far along to try and interplant with red pine. Might have been better last entry to try it. Hopefully the stump sprouting oaks don't turn into bushes.
9	4139 - Aspen, Mixed Deciduous	Sapling Well	42.3	18	Immature	Thick aspen and red maple stand, some oak stump sprouts.
10	4310 - Pine, Oak Mix	Poletimber Medium	5.2	31	Unspecified	Younger stand where the red pine appears to be in rows. The jack pine are the open grown limby puff balls.
11	4199 - Other Mixed Upland Deciduous	Poletimber Well	54.6	19	81-110	Instead of a solid block of aspen, this is several small clones intermixed with a heavy oak component. The maple is in with the aspen rather than oak.
12	4199 - Other Mixed Upland Deciduous	Sapling Well	47.2	8	Unspecified	harvest done in 2009 with 20-30 basal area of oak overstory left with some scattered pine. The oak is coming back moderately, mostly stump sprouting. There is a heavy maple and aspen component in areas. The largest aspen clones is in the middle of the stand. Some terrain to the stand. Will fill in overtime. Leave the overstory for mast and seeding.
13	4130 - Aspen	Poletimber Well	107.8	42	Unspecified	Large stand of primarily big tooth aspen mixed with red oak stump sprouts. This stand was created by D.R.I.P. cuts.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	4131 - Aspen, Oak	Sapling Medium	25.7	18	Unspecified	Some of the pure aspen clones are pole sizes but overall the average is still saplings. Very mixed stand with some barren areas that have not regenerated at all.
15	4131 - Aspen, Oak	Sapling Well	39.0	18	Unspecified	Mixed stand with most of the aspen clones populating the eastern half. The oak is scattered about but not in a great concentration. The one species that is found throughout and is fairly heavy is maple.
16	4199 - Other Mixed Upland Deciduous	Sapling Medium	37.5	18	Immature	In the middle of the stand is a high ridge that is mostly aspen and maple in almost an even mix. The lower elevations contain mostly oaks and are sparser in the canopy. The majority of the oaks are stump sprouted with about a third of the maple being the same.
17	4131 - Aspen, Oak	Poletimber Medium	77.4	29	1-50	Nice aspen stand with a heavy amount of maple in the understory though. Some pockets of oak on the higher ridges.
18	4131 - Aspen, Oak	Poletimber Well	53.8	29	Unspecified	Bisected by the ORV trail. Dense stand with a heavy amount of maple in the overstory and under.
19	4199 - Other Mixed Upland Deciduous	Poletimber Well	86.4	42	81-110	D.R.I.P. cut with most of the oaks being multi-stemmed stump sprouts making the oak poor quality. There is so much of an aspen component intermixed in, especially at the south end, that it would be hard to try and manage for the oak without damaging too much of the aspen. As stated the oak is poor quality so should manage the stand on the aspen rotation.
20	4126 - White, Black, N. Pin Oak	Sawtimber Well	32.6	91	81-110	More of a white oak component. This site could be managed for larger white oaks and better quality oak poles/small saw log by removing a vast majority of the overmature pin oaks, creating some regeneration gaps. Remove all the aspen. Looking for a target basal areas of around 70-90. Oak and pine present in the understory that will benefit from opening up the canopy.
22	4123 - Red Oak	Sapling Medium	26.6	18	Immature	Excellent areas of stump sprout oak regeneration. Stand is mixed with Big tooth aspen. Some red maple.
23	4130 - Aspen	Sawtimber Well	45.9	46	Unspecified	Drip cut that can be treated to adjust the age spike of 40 year old age class in MA. This was from a D.R.I.P. cut. Trucks can only haul out to the south on Campground Road.
26	4130 - Aspen	Sawtimber Well	7.7	91	Unspecified	Overmature quaking aspen stand that needs to be treated or will eventually lose the aspen component.
27	4131 - Aspen, Oak	Sapling Well	55.3	23	Immature	Good aspen clones. Where the oak regeneration is the basal area is sparser. Maple in the understory is high under the aspen overstory.
29	4131 - Aspen, Oak	Sapling Well	22.7	8	Immature	Approximately 20+ basal area of saw classed residual trees left post harvest. The aspen is coming in fairly decent with an oak component. The regeneration is not being shaded out. Leave the large saw overstory for visual and mast/seedling.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4123 - Red Oak	Sapling Poor	9.9	18	Immature	Sparse oak with just a couple decent aspen clone inclusions. The seeded oak is getting browsed by deer.
32	4125 - Black, N. Pin Oak	Sapling Poor	4.5	18	Immature	Sparsely regenerating poor quality oak. Mainly stump sprouts.
33	4123 - Red Oak	Sapling Medium	21.1	23	Immature	Sparsely regenerated oak stand.
34	42220 - Natural Jack Pine	Sapling Poor	11.5	8	Immature	Stand was harvested in 2009 and is naturally seeding in with jack pine with a decent oak component. The oak is being browsed though.
35	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	8.0	18	Immature	Not the best regenerating stand. Think it is to far along to try and interplant with red pine. Might have been better last entry to try it. Hopefully the stump sprouting oaks don't turn into bushes.
37	4130 - Aspen	Sapling Poor	8.7	8	Immature	Stand harvested 2009 with better regenerating aspen clones along the east side with the other side being sparser with aspen but having a higher jack pine component.
38	4130 - Aspen	Poletimber Well	107.2	42	Unspecified	Large stand of primarily big tooth aspen mixed with red oak stump sprouts. This stand was created by D.R.I.P. cuts. Was originally stand 12 but split this off to treat so to adjust the spike in 40 year old aspen in MA.
39	4126 - White, Black, N. Pin Oak	Sawtimber Well	22.5	91	111-140	Overmature pin oak stand that is dying out. There is hardly any regeneration in the understory and none of what is there is oak. Feel the oak is to far along to stump sprout well so if it was harvested the site would not regenerate and loose the oak component altogether. Stand lies between spring and indian lake and is visable from PVT property. This stand could be cut and planted to red pine with oak inter-planted by wildlife division as is being done in the Northeast District.
40	4125 - Black, N. Pin Oak	Sapling Poor	2.6	18	Immature	Most oak with one large aspen clone.





Stand	Cover Type	Acres	Managed Site	General Comments:
21	500 - Water	17.1	No	Spring lake
24	500 - Water	4.4	No	Indian Lake
25	6229 - Mixed lowland shrub	10.6	No	
28	6225 - Bog	1.9	No	wetland bowl with steep forested sides.
30	790 - Other Bare/Sparsely Vegetate	4.7	No	Site where Roscommon County Road Commission is storing gravel.
36	122 - Road/Parking Lot	3.8	No	Emery Road



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71127

Entry Year 2018

Acreage: 1,271

County Roscommon

Management Area: Ogemaw Hills

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**Revision Date:** 2016-07-26

**Stand Examiner:** Doug Bates

**Legal Description:**

T22N R01W Sections 28 and 29

**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 consist of Roselawn sands Topography to the west is generally flat but contains some hills and ridges to the east.

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

The entire compartment as well as much of the surrounding area is under state ownership. There are some permanent residents on the south side of Spring and Indian lake.

**Unique Natural Features:**

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

None identified.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

A fair amount of aspen was the result of D.R.I.P. cuttings. Stands 13, 19, and 38.

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

Sections 28 & 29, T22N R1W, Roscommon County

Surface sediments consist of sand and gravel from ice-contact drift, glacial outwash, and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay elsewhere in the state. Most of the good sand and gravel pits are associated with upland areas. Most of this compartment is upland and, therefore, potential is considered good. There is an active sand and gravel pit in Section 29/32. The abandoned Denton Creek Field is located four miles to the west. The closest active production is greater than six miles to the east. There is currently no active leasing within the compartment.

**Vehicle Access:**

Good access to all of the unit with conventional vehicles. There are some steep sandy hills that will not be traversable by logging trucks and will require some detours.

**Survey Needs:**

None at this time

**Recreational Facilities and Opportunities:**

Portions of the St. Helen 50" ORV trail run through this compartment. Lots of dispersed recreational activities such as hunting, hiking, and berry picking occur in this compartment. Assure logging ahead signs are placed on the trail to notify users of logging activity. Focus retention pockets in clusters along or near trail. Retention of trees near or along the recreational trail that are substantial enough to withstand wind throw are encouraged; if not remove. All sign posts and

confidence markers shall be protected. Ensure logging activity does not obliterate the trail. Flush-Cut or leave stumps high to ensure stumps do not result in unsafe conditions. Prohibit widening of any single track recreational trail, blocking trail crossings or leaving slash and debris on any recreational trail or road. Non-merchantable understory maintained adjacent to trail shall be protected and be maintained next to trail tread to promote narrow use.

**Fire Protection:**

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

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

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

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

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	23	144	131	0	266	0	0	0	0	8	0	0	0	0	0	0	113	685
Bare/Sparsely Vegetated	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Mixed Upland Deciduous	0	47	112	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	256
Oak	0	0	79	0	0	0	0	0	0	118	55	0	0	0	0	0	0	21	273
Upland Mixed Forest	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
<b>Total</b>	<b>44</b>	<b>82</b>	<b>335</b>	<b>131</b>	<b>5</b>	<b>363</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>134</b>	<b>1275</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2018

Acres of Harvest

Compartment 127  
Total Compartment Acres: 1,271

Commercial Harvest - 344  
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	161	0	0	0	0	0	0	0	0	161
Mixed Upland Deciduous	11	0	0	0	0	0	0	0	0	11
Oak	23	118	0	0	0	0	33	0	0	173
<b>Total</b>	<b>194</b>	<b>118</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>344</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	344	0	0	0	0	0	0	0	0	344
Next Step	0	66	33	0	0	0	377	0	0	476
<b>Total</b>	<b>344</b>	<b>66</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>377</b>	<b>0</b>	<b>0</b>	<b>820</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	71127001-Cut	10.6	4199 - Other Mixed Upland Deciduous	Poletimber Poor	42	1-50	Harvest	Clearcut	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Final harvest all species to two inches. Leave all white oak. Trench and replant site to red pine.											
<u>Specs:</u>											
<u>Next Step</u> ; SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> Fully stocked red pine and mixed deciduous.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
6	71127006-Cut	117.5	4123 - Red Oak	Sawtimber Well	86	111-140	Harvest	Group Selection	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Do an group selection removal first by removing all the aspen and jack pine. Then manage for crop trees of the pole/small log class trees by managing for best tree in place, removing the larger/older oaks. Manage for good quality maple stems where present. Leave an older/poor quality oak when it will be beneficial to wildlife. Target basal area should be 70-90, but will be less where the aspen/pine concentrations are higher.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> oak with a mix of aspen											
<u>Regen:</u>											
<u>Other</u> Place a recreational trail protection spec. in the contract.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
20	71127020-Cut	32.6	4126 - White, Black, N. Pin Oak	Sawtimber Well	91	81-110	Harvest	Overstory Removal	4126 - White, Black, N. Pin Oak	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Overstory removal by targeting the overmature pin oaks followed by low quality species trees. Managing for white oaks of larger sizes and all oaks of good quality in the pole/small sawlog class. Create some regeneration gaps where oak regeneration already present. Remove all aspen.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> oak											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
23	71127023-Cut	45.9	4130 - Aspen	Sawtimber Well	46	Unspecified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Final harvest all species to two inches. Leave all white oak. Place a couple retention islands within stand totaling 3 percent. All hauling traffic will need to go out to the south via Campground Road. Place a drumming log spec.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> aspen with a mixed deciduous component.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											



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
26	71127026-Cut	7.7	4130 - Aspen	Sawtimber Well	91	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

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

Prescription Final harvest all species to two inches. Smaller size so no retention. Cut during dormancy to try and help the older aspen regenerate the best it can.  
Specs:

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

Acceptable fully stocked aspen.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

38	71127038-Cut	107.2	4130 - Aspen	Poletimber Well	42	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species to two inches but white oak. Leave all white oak. Leave a couple of retention islands within stand totaling 3 percent.  
Specs: Place a drumming log spec.

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

Acceptable Aspen with a mix of oak.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

39	71127039-Cut	22.5	4126 - White, Black, N. Pin Oak	Sawtimber Well	91	111- 140	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest all species to two inches. Mark to leave approximately one large crowned oak, preferably white oak, for mast. Place retention as a buffer strip along the boundaries with stands 21 and 25. Look to do between 5 and 7 percent by area.  
Specs:

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

Acceptable fully stocked red pine plantation with mixed deciduous.  
Regen:

Other Plant to red pine seedlings. Could interplant with oak if wildlife division wants to try it.  
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
 Acreage Proposed: 344.0**

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 127

Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	3G	3J	5D
		With Condition	Not Available				
684	684	0	0	Aspen			
5	0	0	5	Bare/Sparsely Vegetated	5		
2	0	0	2	Bog		2	
12	12	0	0	Jack Pine			
11	0	0	11	Lowland Shrub			11
255	255	0	0	Mixed Upland Deciduous			
272	272	0	0	Oak			
5	5	0	0	Upland Mixed Forest			
4	4	0	0	Urban			
22	0	0	22	Water		22	
1,271	1,233		39	Total Forested Acres	5	23	11
	97%		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
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	3G: Other Influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Currently being used by the Roscommon County Road Commission to store gravel.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



# Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 127

Year of Entry: 2018

5	Unavailable	5D: Unproductive Forest Land	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Roscommon Mgt. Unit		Report 7 – Forested Stands			Compartment: 127	Year of Entry: 2018
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	4199 - Other Mixed Upland Deciduous	Poletimber Poor	10.6	42	1-50	Poor quality sparse stand. The oak is all deformed and there is little to no regeneration. Recommend final harvesting and replanting the stand to red pine.	
2	4131 - Aspen, Oak	Sapling Medium	49.3	8	Unspecified	Approximately 10+ basal area of saw class left residual. The regeneration is not as thick as the stand north of the road. Leave the large overstory.	
3	4125 - Black, N. Pin Oak	Sapling Medium	35.0	18	Immature	Far stocked stand with the major component being stump sprouted oaks. The and south lines have the dense aspen clones.	
4	4130 - Aspen	Poletimber Well	5.3	46	51-80		
5	4130 - Aspen	Sapling Well	27.2	18	Immature	Nice aspen stand with heavier maple understory. There are some larger stump sprouted oaks within.	
6	4123 - Red Oak	Sawtimber Well	117.5	86	111-140	Fairly open stand as far as understory. The overstory has mature+ aspen and about half the oaks. There is a good percentage of small saw class and pole oaks which should manage for. Remove all the aspen which are mainly small 1/2 acre or less in size clones. remove the jack pine and then manage for the best tree in place, siding towards crop trees for residual. Even manage for good maple stems also. target basal area of 70-90, which will be less in areas of higher aspen/jack pine concentrations.	
7	4130 - Aspen	Poletimber Well	9.1	19	Unspecified	Good aspen regeneration	
8	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	11.0	18	Immature	Not the best regenerating stand. Think it is to far along to try and interplant with red pine. Might have been better last entry to try it. Hopefully the stump sprouting oaks don't turn into bushes.	
9	4139 - Aspen, Mixed Deciduous	Sapling Well	42.3	18	Immature	Thick aspen and red maple stand, some oak stump sprouts.	
10	4310 - Pine, Oak Mix	Poletimber Medium	5.2	31	Unspecified	Younger stand where the red pine appears to be in rows. The jack pine are the open grown limby puff balls.	
11	4199 - Other Mixed Upland Deciduous	Poletimber Well	54.6	19	81-110	Instead of a solid block of aspen, this is several small clones intermixed with a heavy oak component. The maple is in with the aspen rather than oak.	
12	4199 - Other Mixed Upland Deciduous	Sapling Well	47.2	8	Unspecified	harvest done in 2009 with 20-30 basal area of oak overstory left with some scattered pine. The oak is coming back moderately, mostly stump sprouting. There is a heavy maple and aspen component in areas. The largest aspen clones is in the middle of the stand. Some terrain to the stand. Will fill in overtime. Leave the overstory for mast and seeding.	
13	4130 - Aspen	Poletimber Well	107.8	42	Unspecified	Large stand of primarily big tooth aspen mixed with red oak stump sprouts. This stand was created by D.R.I.P. cuts.	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	4131 - Aspen, Oak	Sapling Medium	25.7	18	Unspecified	Some of the pure aspen clones are pole sizes but overall the average is still saplings. Very mixed stand with some barren areas that have not regenerated at all.
15	4131 - Aspen, Oak	Sapling Well	39.0	18	Unspecified	Mixed stand with most of the aspen clones populating the eastern half. The oak is scattered about but not in a great concentration. The one species that is found throughout and is fairly heavy is maple.
16	4199 - Other Mixed Upland Deciduous	Sapling Medium	37.5	18	Immature	In the middle of the stand is a high ridge that is mostly aspen and maple in almost an even mix. The lower elevations contain mostly oaks and are sparser in the canopy. The majority of the oaks are stump sprouted with about a third of the maple being the same.
17	4131 - Aspen, Oak	Poletimber Medium	77.4	29	1-50	Nice aspen stand with a heavy amount of maple in the understory though. Some pockets of oak on the higher ridges.
18	4131 - Aspen, Oak	Poletimber Well	53.8	29	Unspecified	Bisected by the ORV trail. Dense stand with a heavy amount of maple in the overstory and under.
19	4199 - Other Mixed Upland Deciduous	Poletimber Well	86.4	42	81-110	D.R.I.P. cut with most of the oaks being multi-stemmed stump sprouts making the oak poor quality. There is so much of an aspen component intermixed in, especially at the south end, that it would be hard to try and manage for the oak without damaging too much of the aspen. As stated the oak is poor quality so should manage the stand on the aspen rotation.
20	4126 - White, Black, N. Pin Oak	Sawtimber Well	32.6	91	81-110	More of a white oak component. This site could be managed for larger white oaks and better quality oak poles/small saw log by removing a vast majority of the overmature pin oaks, creating some regeneration gaps. Remove all the aspen. Looking for a target basal areas of around 70-90. Oak and pine present in the understory that will benefit from opening up the canopy.
22	4123 - Red Oak	Sapling Medium	26.6	18	Immature	Excellent areas of stump sprout oak regeneration. Stand is mixed with Big tooth aspen. Some red maple.
23	4130 - Aspen	Sawtimber Well	45.9	46	Unspecified	Drip cut that can be treated to adjust the age spike of 40 year old age class in MA. This was from a D.R.I.P. cut. Trucks can only haul out to the south on Campground Road.
26	4130 - Aspen	Sawtimber Well	7.7	91	Unspecified	Overmature quaking aspen stand that needs to be treated or will eventually lose the aspen component.
27	4131 - Aspen, Oak	Sapling Well	55.3	23	Immature	Good aspen clones. Where the oak regeneration is the basal area is sparser. Maple in the understory is high under the aspen overstory.
29	4131 - Aspen, Oak	Sapling Well	22.7	8	Immature	Approximately 20+ basal area of saw classed residual trees left post harvest. The aspen is coming in fairly decent with an oak component. The regeneration is not being shaded out. Leave the large saw overstory for visual and mast/seedling.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4123 - Red Oak	Sapling Poor	9.9	18	Immature	Sparse oak with just a couple decent aspen clone inclusions. The seeded oak is getting browsed by deer.
32	4125 - Black, N. Pin Oak	Sapling Poor	4.5	18	Immature	Sparsely regenerating poor quality oak. Mainly stump sprouts.
33	4123 - Red Oak	Sapling Medium	21.1	23	Immature	Sparsely regenerated oak stand.
34	42220 - Natural Jack Pine	Sapling Poor	11.5	8	Immature	Stand was harvested in 2009 and is naturally seeding in with jack pine with a decent oak component. The oak is being browsed though.
35	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	8.0	18	Immature	Not the best regenerating stand. Think it is to far along to try and interplant with red pine. Might have been better last entry to try it. Hopefully the stump sprouting oaks don't turn into bushes.
37	4130 - Aspen	Sapling Poor	8.7	8	Immature	Stand harvested 2009 with better regenerating aspen clones along the east side with the other side being sparser with aspen but having a higher jack pine component.
38	4130 - Aspen	Poletimber Well	107.2	42	Unspecified	Large stand of primarily big tooth aspen mixed with red oak stump sprouts. This stand was created by D.R.I.P. cuts. Was originally stand 12 but split this off to treat so to adjust the spike in 40 year old aspen in MA.
39	4126 - White, Black, N. Pin Oak	Sawtimber Well	22.5	91	111-140	Overmature pin oak stand that is dying out. There is hardly any regeneration in the understory and none of what is there is oak. Feel the oak is to far along to stump sprout well so if it was harvested the site would not regenerate and loose the oak component altogether. Stand lies between spring and indian lake and is visable from PVT property. This stand could be cut and planted to red pine with oak inter-planted by wildlife division as is being done in the Northeast District.
40	4125 - Black, N. Pin Oak	Sapling Poor	2.6	18	Immature	Most oak with one large aspen clone.



Stand	Cover Type	Acres	Managed Site	General Comments:
21	500 - Water	17.1	No	Spring lake
24	500 - Water	4.4	No	Indian Lake
25	6229 - Mixed lowland shrub	10.6	No	
28	6225 - Bog	1.9	No	wetland bowl with steep forested sides.
30	790 - Other Bare/Sparsely Vegetate	4.7	No	Site where Roscommon County Road Commission is storing gravel.
36	122 - Road/Parking Lot	3.8	No	Emery Road