



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71150

Entry Year 2019

Acreage: 1,177

County Roscommon

Management Area: Houghton Lake Wetlands

Revision Date: 2017-07-10

Stand Examiner: Dale Ekdom

Legal Description:

T21N R04W sections 9 and 16

Identified Planning Goals:

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

Soil and topography:

Soils are composed of Rubicon and Saugatuck sands, Newton loamy sand, and Rifle peat. The terrain is mostly level to very gently rolling. Habitat types are primarily ParVHa and wetland

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

Solid state ownership and surrounded by state land.

Unique Natural Features:

Slippershell mussel, wood turtle, northern long-eared bat, and Boreal branchionycha have been documented at specific locations within and adjacent to this compartment. Records from last YOE indicate that there was an active bald eagles nest and a great blue heron rookery on state land adjacent to the compartment.

Archeological, Historical, and Cultural Features:

Historical monument within the compartment

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Wolf Creek, a cold water trout stream, bisects Section 16.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via regular habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species. The large floodplain of Wolf Creek provides good habitat for a number of game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area and potential appears to be limited. Headquarters Field is located three miles to the southeast. The field is in secondary recovery operations and is not expected to expand. Marathon was issued a well permit in 2012 for a location just west of the compartment, but the permit was terminated in 2014. All of the parcels in the compartment are currently leased by Marathon. However, Marathon has indicated they are leaving the state and have begun the process of releasing all of their remaining leases that are not held by production. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access east of the highway is good using Old 27. The portion south of Wolf Creek can be accessed using Canoe Camps Road and the portion in the northwest corner can be reached by coming in from the west via Paddle Road. Vehicle access to the interior of the compartment is non-existent due to the wet terrain.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

Snowmobile Trail #6/7 and the Leota ORV trail are located in the southwest corner of the compartment. Excellent hunting opportunities and other non-traditional recreational pursuits exist in the compartment.

Fire Protection:

There are few hazardous fuel types in this compartment and there is a decent water point at Wolf Creek off of Old 27. Access is difficult in portions of the compartment which could make for difficult fire suppression in a dry year.

Additional Compartment Information:**The following reports from the Inventory are attached:**

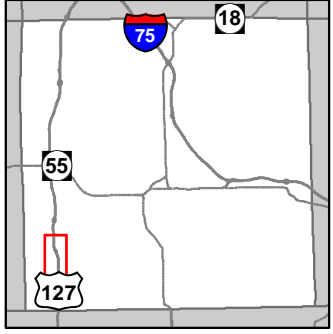
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

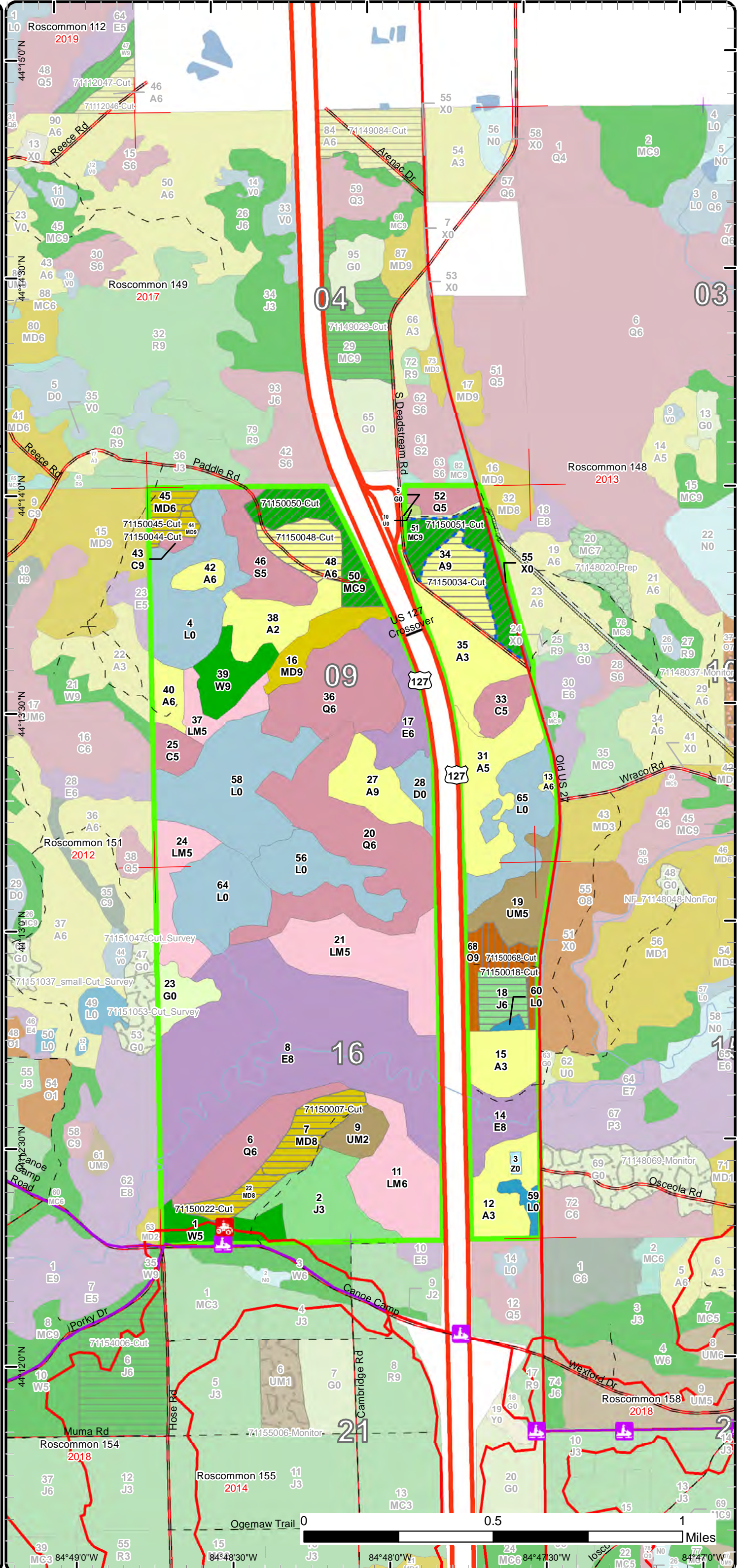
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 150
 T21N,R04W, Sec. 09-10, 15-16
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Houghton Lake Wetlands
 YOE: 2019
 Acres: 1176.6 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 8/2/2017
 Map Phase: Review



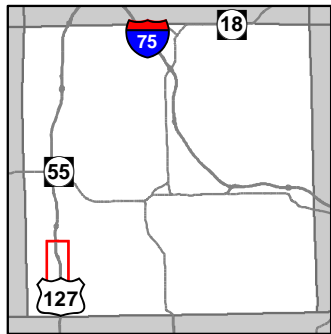
- Miris Corners
- + Remonumented Section Corners
- Counties
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes



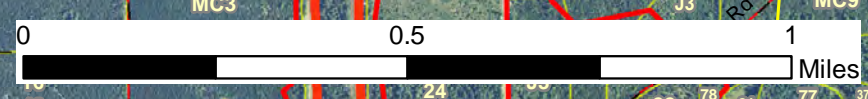
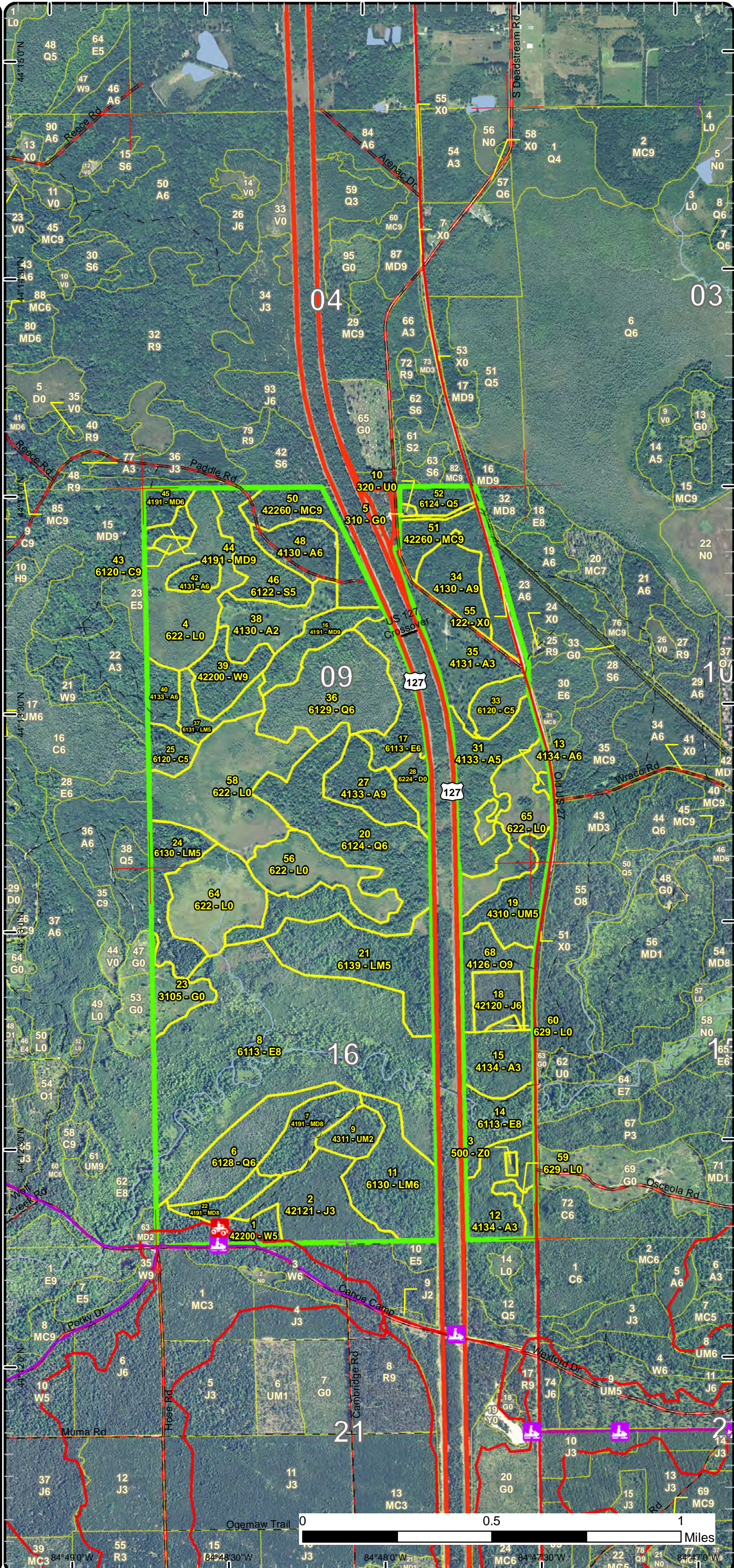
84°49'0"W 84°48'30"W 84°48'0"W 84°47'30"W 84°47'0"W

Stand Boundary Map

Compartment: 150
 T21N,R04W, Sec. 09-10, 15-16
 County: Roscommon
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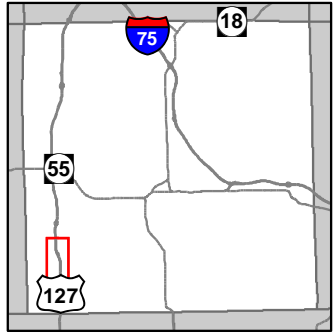
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- + Remonumented Section Corners
- Counties
- ORV Trails
- Snowmobile Trails
- Designated ATV
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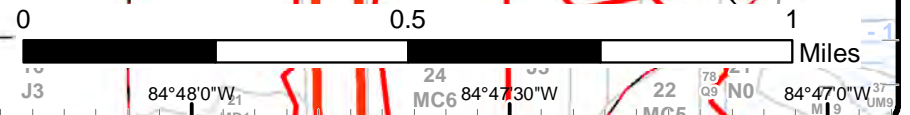
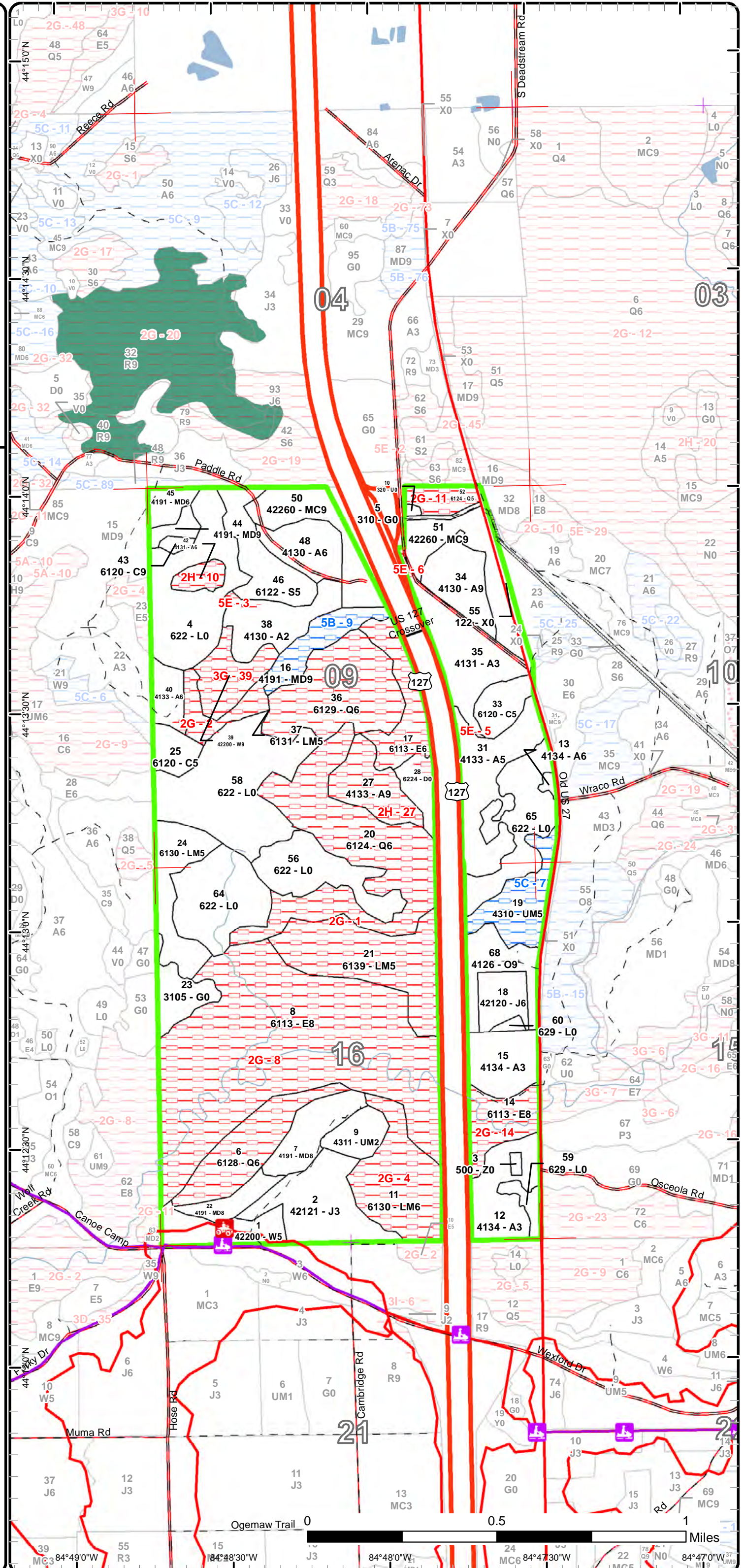
84°49'0"W 84°48'30"W 84°47'30"W 84°47'0"W
 44°15'0"N 44°14'30"N 44°14'0"N 44°13'30"N 44°13'0"N 44°12'30"N 44°12'0"N 44°11'30"N 44°11'0"N 44°10'30"N 44°10'0"N

Special Conservation Areas & Site Conditions Map

Compartment: 150
 T21N,R04W, Sec. 09-10, 15-16
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Houghton Lake Wetlands
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 Acres: 1176.6 GIS Calculated
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- Miris Corners
- + Remonumented Section Corners
- Counties
- ORV Trails
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- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- - - Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- 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	52	19	32	0	35	17	19	0	0	25	0	0	0	0	0	0	0	199
Cedar	0	0	0	0	0	0	0	0	0	0	13	0	8	0	0	0	0	0	21
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Jack Pine	0	0	0	33	0	0	12	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Conifers	0	0	0	0	0	0	75	0	0	8	74	0	0	0	0	0	0	0	157
Lowland Deciduous	0	0	0	0	0	0	21	0	0	0	192	0	0	0	0	0	0	0	213
Lowland Mixed Forest	0	0	0	0	23	0	37	0	46	0	11	0	0	0	0	0	0	0	116
Lowland Shrub	196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196
Lowland Spruce/Fir	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	22
Mixed Upland Deciduous	0	0	0	0	0	7	0	0	0	19	26	0	0	0	0	0	0	0	52
Natural Mixed Pines	0	0	0	0	0	0	0	23	0	22	0	0	0	0	0	0	0	0	45
Oak	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Mixed Forest	0	0	0	10	0	0	0	0	0	0	21	0	0	0	0	0	0	0	31
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	17	0	0	0	0	17	0	0	0	0	0	0	33
Total	226	52	19	75	23	64	179	42	46	49	379	17	8	0	0	0	0	0	1177



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 150
Total Compartment Acres: 1,177

Commercial Harvest - 124
Harvests with Site Condition - 22
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	35	0	0	0	0	22	0	0	0	57
Jack Pine	12	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	37	0	0	0	0	0	0	0	0	37
Natural Mixed Pines	0	0	0	0	0	23	0	0	0	23
Oak	0	0	0	0	17	0	0	0	0	17
Total	84	0	0	0	17	45	0	0	0	146

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	146	0	0	0	0	0	0	0	0	146
Next Step	0	9	0	0	0	0	101	0	0	110
Total	146	9	0	0	0	0	101	0	0	255



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	71150007-Cut	17.3	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	98	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> CCR to 4" spec, manage for a mixed stand, mark wolfy oaks to leave (esp WO) for mast and R/W pine XL's to leave for diversity, no retention											
<u>Specs:</u> due to stand size and placement on the landscape											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of natural pine and hardwoods to a fully stocked stand											
<u>Regen:</u>											
<u>Other</u> trench/plant red pine if natural regeneration fails, use brush pile spec along the swamp edge.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
18	71150018-Cut	11.5	42120 - Planted Jack Pine	Poletimber Well	51	Unspec ified	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> final harvest and leave tops, roller-chop tops after sale complete, cut all JP/BF/RM/A, leave all white spruce for diversity but thin the RP inclusion											
<u>Specs:</u> from below by removing 1/3rd of the volume of RP											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> any combination of jack pine and other species to a fully stocked stand, plant red pine if regeneration fails											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
22	71150022-Cut	8.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	98	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> CC no retention, expand into the swamp to the north where possible, leave tops for a seed source and possibly roller-chop, leave big W/R pine											
<u>Specs:</u> as small islands if possible, no retention due to stand size and proximity to the swamp											
<u>Next Step</u> SitePrep, Roller Chopping; Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> acceptable regeneration is any combination of species to a fully stocked stand, alternate regeneration will be to trench/plant jack pine,											
<u>Regen:</u>											
<u>Other</u> Use the brush pile spec along the swamp edge											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
34	71150034-Cut	18.6	4130 - Aspen	Sawtimber Well	65	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest for aspen management, retention will be steeper gully areas in the center of the stand that are marginally operable, mark scattered											
<u>Specs:</u> larger oak in clumps and also some pine for mast and diversity											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of aspen and other species to a fully stocked stand											
<u>Regen:</u>											
<u>Other</u> Add drumming log spec.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
44	71150044-Cut	4.4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> final harvest to 4" dbh spec., mark out a few small oak islands for retention/mast, mark out the areas with big WP to leave											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> any combination of natural pine and hardwoods to a fully stocked stand											
<u>Regen:</u>											
<u>Other</u> use the brush pile spec along the swamp, trench/plant red pine if natural regeneration fails											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
45	71150045-Cut	6.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> final harvest to 4" spec., line out areas with big white pine to leave, line out a few small islands heavy to WP poles for retention, leave a buffer											
<u>Specs:</u> around the camp on the north end of the stand											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of planted natural pine and hardwoods to a fully stocked stand											
<u>Regen:</u>											
<u>Other</u> use brush pile spec along swamp edge, trench/plant red pine as alternate regeneration if natural regeneration fails											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
48	71150048-Cut	16.6	4130 - Aspen	Poletimber Well	57		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest for aspen management, retention will be left as a narrow strip west of the county road, mark scattered oak and pine for diversity and											
<u>Specs:</u> mast											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any combination of aspen and other species to a fully stocked stand											
<u>Regen:</u>											
<u>Other</u> Add drumming log spec.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
50	71150050-Cut	22.6	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	60	141-170	Harvest	Crown Thinning	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> crown thin to 120 SF by removing aspen and jack pine via spec and marking rest of trees to cut, maintain as a mixed stand of mixed pine and											
<u>Specs:</u> mixed hardwoods											
<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											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35 71150051-Cut	22.0	4131 - Aspen, Oak	Sapling Well	5	Immature	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	Proposal

Habitat Cut: No **Site Condition: Long-Term Retention**

Prescription Thin stand to 120 SF by removing aspen and jack pine via spec and marking all other species to cut, concentrate on removing Hardwoods first
Specs: and then thin white pine and red pine to the target BA, maintain as a mixed stand of pine, oak, and other hardwoods

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

68 71150068-Cut	17.2	4126 - White, Black, N. Pin Oak	Sawtimber Well	97	81-110	Harvest	Shelterwood with Retention	412 - Oak Types	Two-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription seed tree/shelter-wood with reserves, cut everything except WO and WP, possibly leave the narrow arms off the sale for retention/visual,
Specs: possibly buffer US-127 and Old 27

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable any combination of oak or other species to a fully stocked stand
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

Total Treatment
Acreage Proposed: 145.5

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dale Ekdom : Examiner

Compartment: 150
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5B	5C	2G	2H	3G	5E
199	141	0	58	Aspen	0		1	25	0	32
21	21	0	0	Cedar						
14	14	0	0	Herbaceous Openland			0			
45	45	0	0	Jack Pine						
157	0	0	157	Lowland Conifers	0		157			
213	0	0	212	Lowland Deciduous	0		212	0		
117	22	0	95	Lowland Mixed Forest	0		95			
196	195	0	1	Lowland Shrub			1			
22	22	0	0	Lowland Spruce/Fir						
52	37	15	0	Mixed Upland Deciduous	15		0			
45	45	0	0	Natural Mixed Pines						
17	17	0	0	Oak						
9	7	0	2	Treed Bog			2	0		
31	10	21	0	Upland Mixed Forest		21				
1	1	0	0	Upland Shrub						
5	5	0	0	Urban						
1	1	0	0	Water						
33	17	0	17	White Pine			0		16	
1,177	600	36	541	Total Forested Acres	15	21	468	25	16	32
	51%	3%	46%	Relative Percent						

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	189	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 150

Dale Ekdorn : Examiner

Year of Entry: 2019

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 150

Dale Ekdorn : Examiner

Year of Entry: 2019

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	203	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Floodplain of Wolf Creek							
9	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Floodplain of Wolf Creek							
27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 150

Year of Entry: 2019

39	Unavailable	3G: Other Influence zones - See comments	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 150
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42200 - Natural White Pine	Poletimber Medium	16.5	55	81-110	nice stand of WP poles, no treatment needed
2	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	33.2	25	Immature	cut fall 1991, roller chopped and seeded 1992, lots of aspen on east edge
6	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	28.7	95	Unspecified	spongy ground on the edge but the interior is wetter with some standing water, balsam fir is seeding into the more open areas, scattered WP XL's
7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	17.3	98	51-80	Transition stand from upland to lowland. Mix of species but has XL/SL oak thru-out with scattered XL RP, rest is pole-size RM/JP/BF/A, red maple and balsam fir heavy on the southwest side as it transitions into Stand #22. all species are poorer quality and stand is starting to fall apart, stand is upland but grades into lower ground on the north edge. Good oak regen along edges and in pockets. Should be regenerated now.
8	6113 - Lowland Maple	Sawtimber Medium	174.3	93	51-80	Part of 1999 POG Plan, Wolf Creek floodplain, Mix of marsh, black ash, and red maple of various sizes and ages, All were lumped together, most ash has died, lots of blowdown
9	4311 - Pine, Aspen Mix	Sapling Medium	10.2	25	Immature	Has a small treed bog and more jp regen toward the northern tip.
11	6130 - Fir, Aspen, Maple	Poletimber Well	36.9	55	51-80	Stand has a very small natural R9 stand at the northwest corner and a couple of islands of white pine logs in the center. The rest of the stand is mostly red maple and balsam poles with scattered black ash and aspen poles with pockets of tag alder.
12	4134 - Aspen, Spruce/Fir	Sapling Well	22.8	25	Immature	cut spring 1992, high ground is aspen, lower ground is swamp conifers and red maple, was originally scheduled to roller chop and seed jack pine but looks like this was never done
13	4134 - Aspen, Spruce/Fir	Poletimber Well	1.3	46	Unspecified	Cut in 1971, small stand of aspen and balsam fir poles, scattered red maple and oak also, too small to do anything with.....
14	6113 - Lowland Maple	Sawtimber Medium	17.7	93	81-110	Floodplain of Wolf Creek, dominated by black ash last YOE, now mostly red maple, seasonally very wet to mostly wet thru the rest of the year, north and south edges are higher ground with hardwoods and white pine
15	4134 - Aspen, Spruce/Fir	Sapling Well	19.4	16	Immature	cut summer 20020, upland is aspen and other hardwoods, lower ground is swamp conifers with red maple
16	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	15.0	84	81-110	humucky and soft but probably operable when dry or frozen, hardwoods over-top conifers, heavy BF saps or WO saps in the u.s. in the east part, more open U.S. in the west part, stand will replace itself and convert to conifers if left alone
17	6113 - Lowland Maple	Poletimber Well	20.8	58	81-110	Scattered W7, but stand is mostly mixed red maple, birch, balsam, spruce, and a few aspen, stand gets wetter as it goes south



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	42120 - Planted Jack Pine	Poletimber Well	11.5	51	Unspecified	plantation transitioning to poles, planted in an old barrow pit at fairly tight spacing, JP is tall and straight but small diameter, small inclusion of RP and white spruce poles in center /east part of stand, Kotar is PARVHa
19	4310 - Pine, Oak Mix	Poletimber Medium	21.2	91	81-110	White pine poles and scattered aspen and red maple poles with super-canopy oak, wp, and rp. Hold until wp is ready to thin.
20	6124 - Lowland Spruce- Fir	Poletimber Well	74.6	58	Unspecified	part of 1999 POG plan, parts are heavy to hardwoods which are falling apart, rest is mix of swamp conifers and lowland hardwoods
21	6139 - Mixed Lowland Forest	Poletimber Medium	46.2	75	Unspecified	Lots of hollow aspen on north end. Tranistions into a mix of black spruce, balsam, birch, and some wp. Only a couple of pockets of high ground, similar to Stand #20 but less dense and has more hardwood component
22	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	8.7	98	51-80	stand is mostly red maple with balsam fir, transition zone which grades into the swamp to the north, most is dry and operable except for far west end, balsam fir is starting to break-up with lots of dead standing and blown down trees, should be regenerated now
24	6130 - Fir, Aspen, Maple	Poletimber Medium	22.5	34		low ground mixed with higher ground, mix of aspen, balsam fir, and red maple, scattered oaks also
25	6120 - Lowland Cedar	Poletimber Medium	8.4	116	51-80	Part of 1999 POG plan, mostly wet but with a few small drier islands, mostly cedar, spruce, and fir but with scattered HW's and WP, there is at least one pocket of white pine legacy size trees in this stand
27	4133 - Aspen, Mixed Pine	Sawtimber Well	19.4	97		OPIC - FMD: Overmature aspen with midstory of wp and rp. Less pine and more of an A8 toward to south center portion. Has scattered healthy crowned oak. No access due to wet terrain. Good spot to just leave for natural succession.
31	4133 - Aspen, Mixed Pine	Poletimber Medium	33.8	46	Unspecified	Aspen pole timber mixed with balsam poles and supercanopy white pine (left some red and white pine and oak for visual, aspen still fairly small yet, wetter terrain with more red maple and some tag alder pockets toward the west.
33	6120 - Lowland Cedar	Poletimber Medium	10.7	91	1-50	wet cedar swamp, some cedar and balsam fir saps started in openings, scattered WP XL's
34	4130 - Aspen	Sawtimber Well	18.6	65	51-80	Range of 10-20 years of aspen ages. Has some BTA that are SL's, needs to be regenerated before it starts to fall apart, some canker started on largest aspen, parts are heavy to red pine, white pine, or oak OR mix of all three (possible retention areas?)
35	4131 - Aspen, Oak	Sapling Well	30.3	5	Immature	cut in Nov. 2011, left scattered birch poles and R/W pine SL's, also scartiered oak SL's



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	45.4	94	Unspecified	Solid cedar in spots but Q-type in other spots. Supercanopy white pine scattered thru-out the stand especially on the north end. SCA
37	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	11.4	97	51-80	Scattered overmature aspen. red maple poles with heavy wp poles in spots, Very wet except along transition to western uplands. west arm is a broad drainage area. Lump into SCA area for connectivity.
38	4130 - Aspen	Sapling Medium	22.0	6	Immature	final harvest cut in Nov. 2010, left scattered oak SL and WP poles, middle 2/3rds is well stocked aspen whips but far NW and NE are more spotty regeneration.
39	42200 - Natural White Pine	Sawtimber Well	16.7	107	171-200	mix of WP w/RP and hardwoods, nw arm is lower ground w a few wet runs/pockets and is heavier to hardwoods, Add to SCA area, will be candidate for Type 2 OG in 30+ years, stand has a lot of structure and woodpecker activity.
40	4133 - Aspen, Mixed Pine	Poletimber Well	8.9	23	Immature	cut 1994, left wp?
42	4131 - Aspen, Oak	Poletimber Well	5.6	93	Unspecified	island of aspen and oak surrounded by lowland brush
43	6120 - Lowland Cedar	Sawtimber Well	1.9	95		cedar with scattered WP and HW's
44	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.4	84	81-110	mix of hardwoods and pine, all hardwoods are poor quality, south end is lower ground with a few potholes, Kotar type is PARVHa
45	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.6	47	51-80	large wolfy oak SL's and XL's over-top white pine poles and oak/RM poles, stand has a camping area on the north end, hardwoods poor quality, Kotar is PARVHa
46	6122 - Black Spruce	Poletimber Medium	22.2	42		bulk of stand is fairly young still but there are some Older RM and NWC also
48	4130 - Aspen	Poletimber Well	16.6	57		Very nice bigtooth aspen poletimber/SL's except for a small clone of poorer quality QA to the east along the pine and leatherleaf. Cut to regenerate aspen.
50	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	22.6	60	141-170	Natural mixed pine stand. More white pine and oak to the south and red pine and jack pine with leatherleaf to the north, consider thinning to 120 SF (especially if aspen stand to the west is treated)
51	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	22.1	83	141-170	PLANTED to WHITE PINE IN 1929 AND 1934 but couldn't really find any rows, Borderline ParVCo site. More of a W9 in some spots with a mix of good mast trees, some remnant jack pine scattered in spots, stand needs to be thinned, consider treating with contiguous aspen to west.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 150
Year of Entry: 2019



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	6124 - Lowland Spruce- Fir	Poletimber Medium	8.0	82	51-80	Mix of red maple, balsam, aspen, large overstory RP and WP and a pocket of black spruce by the road, narrow strip of upland pine/HW's on south end , rest is swamp conifers, gets wetter in the north
68	4126 - White, Black, N. Pin Oak	Sawtimber Well	17.2	97	81-110	mature oak SL/XL's with smaller/immature WP/RM/A underneath, aspen is heavy in spots especially in the north-central part of the stand, black oak is poor quality but white oak is better wuality, black oak is starting to decline/die and needs to be regenerated, aspen is ready to be regenerated, WP/WO/RM doing okay for now, recommend cutting everything but leaving WO/WP



Stand	Cover Type	Acres	Managed Site	General Comments:
3	500 - Water	1.1	No	Old Barrow Pit for US-127 construction?
4	622 - Lowland Shrub	42.6	No	
5	310 - Herbaceous Openland	1.5	No	Utility ROW for rest area
10	320 - Upland Shrub	0.8	No	SMALL OPENING, REST AREA DRAIN FIELD
23	3105 - Mixed Upland Herbaceous	12.2		Cut with Stand to the west in 711151 in 2013
28	6224 - Treed Bog	8.7	No	
55	122 - Road/Parking Lot	4.8	No	Old 27 ROW
56	622 - Lowland Shrub	26.2	No	OPIC - FMD: Part of 1999 POG plan
58	622 - Lowland Shrub	57.7	No	OPIC - FMD: Part of 1999 POG plan.
59	629 - Mixed non-forested wetland	4.7	No	
60	629 - Mixed non-forested wetland	1.5	No	Lowest spot of an old barrow pit
64	622 - Lowland Shrub	32.7	No	OPIC - FMD: part of large SCA
65	622 - Lowland Shrub	30.5	No	