



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71137

Entry Year 2017

Acreage: 1,287

County Roscommon

Management Area: Upper Muskegon

Revision Date: 2015-08-05

Stand Examiner: Dale Ekdom

Legal Description:

T21N R3W Sections 1 & 2

Identified Planning Goals:

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

Soil and topography:

Terrain is level to gently rolling in the middle of the compartment, hilly with some steep slopes in the SE corner, and low/wet in the SW corner of the compartment.

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

Compartment is solid state ownership with state land surrounding except on the east side and 2 private parcels to the north and NE. The private property to the east is Mid Forest Lodge.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Steep hills need to be taken into account in any treatments on slopes so as to avoid erosion. The SW corner of the compartment is the edge of a large beaver dam and pond complex.

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 other non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Mississippian Bayport Limestone and Michigan Formation. The Bayport is quarried for limestone and the Michigan is quarried for gypsum elsewhere in the state. No active gravel pits are located in the area but there is some potential. Headquarters Field is located four miles to the southwest. The field has produced over 11.3 million bbls of oil and 4.2 Bcf of gas from multiple Devonian formations and the Mississippian Marshall Sandstone, respectively. It is in secondary recovery operations currently. The entire compartment is currently leased for oil and gas exploration and development.

Vehicle Access:

Vehicle access to all areas of the compartment is excellent via state highway M-18, seasonal county roads, and forest two-tracks created every ¼ mile as fire breaks in the pine areas of the compartment.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

This compartment contains the Waco Road ORV trailhead as well as an ORV trail and ORV route. Waco Road is a seasonal county road which is groomed/maintained as a snowmobile trail during the snowmobile season. Utilize forest management practices to curtail further damage by off road vehicle use and other trespasses issues.

If harvest activities occur during the snowmobile season of December 1 thru March 31 a snow bed must be preserved on Designated Snowmobile Trails. Ensure logging activity does not obliterate the designated trails by limiting the number of crossings. All stumps within 20 feet of the trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions. Assure 'logging ahead' warning signs are placed on the designated trails and snowmobile trails during logging activity.

Fire Protection:

Volatile fuel types such as jack pine and red pine are abundant in this compartment.

Access and response times are good to this area due to M-18, county roads, forest roads, and old fire breaks/40 roads in the compartment. Areas with steeper terrain and low/wet terrain could hinder suppression activities.

Additional Compartment Information:

A large portion of Section 1 burned in the 2005 Boyce Lake Fire and most of the red pine stands which burned were salvaged and re-planted to red pine. There was also some supplemental jack pine plantings done after some young J3 stands were burned in this same fire.

Proposed treatments for this year-of-entry include 174 acres of final harvests in mature red pine, 74 acres of thinning in red pine, and 59 acres of thinning in oak/pine cover-types.

The following reports from the Inventory are attached:

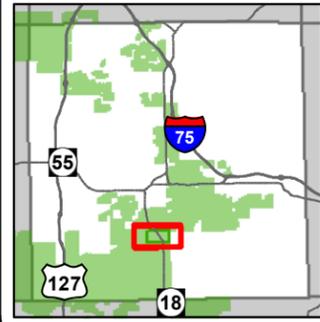
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

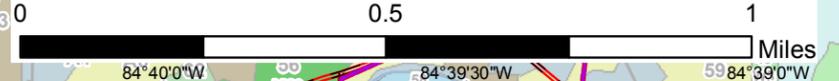
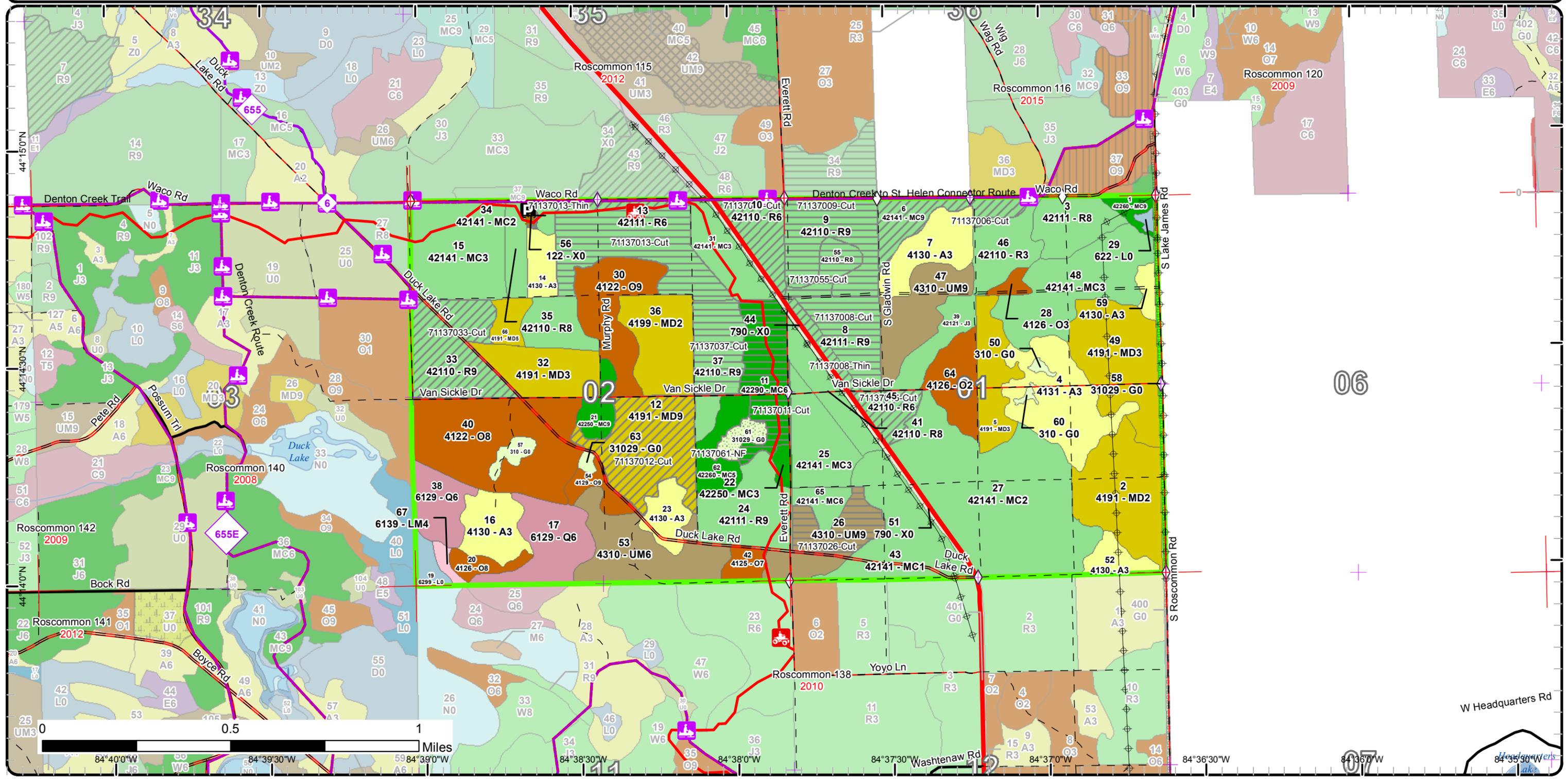
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 137
 T21N R03W 01, 02
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2017
 Acres: 1287 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 7/24/2015
 Map Phase: Pre-Review



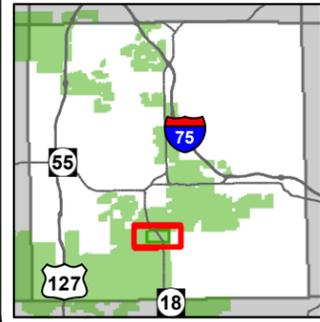
- ✦ Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Culverts
- P Parking Lot
- ★ Trailhead
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated ORV Routes
- Designated Snowmobile Trails
- Rivers
- Lakes
- Pipeline
- Powerline
- Treatments
- Clearcut (w/Reserves)
- Mowing
- Thinning (Crown, Low, Systematic)
- Forest Covertype
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Fores
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Covertype
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated



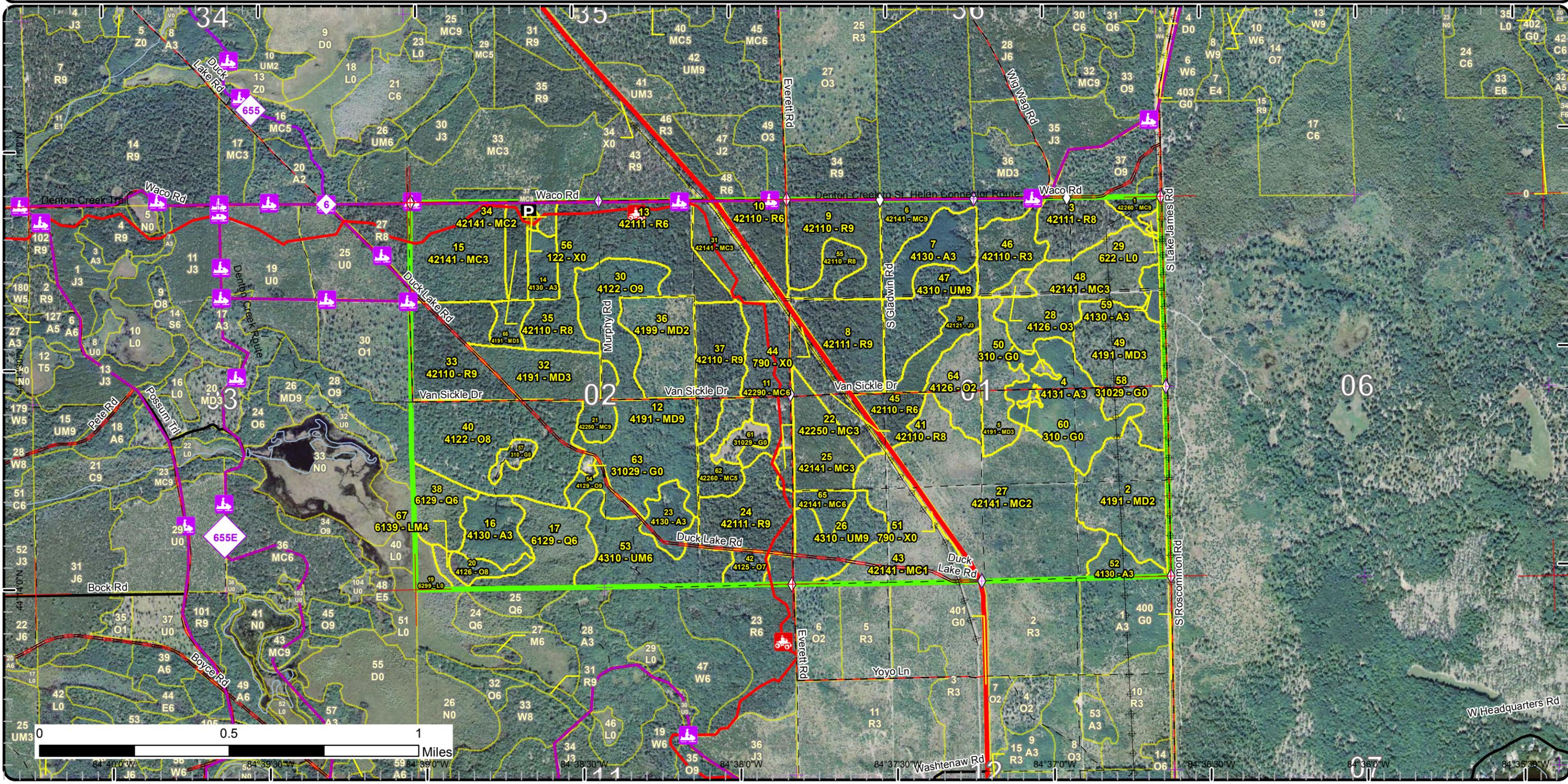
84°40'0"W 84°39'30"W 84°39'0"W 84°38'30"W 84°38'0"W 84°37'30"W 84°37'0"W 84°36'30"W

Stand Boundary Map

Compartment: 137
 T21N R03W 01, 02
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2017
 Acres: 1287 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 7/24/2015
 Map Phase: Pre-Review

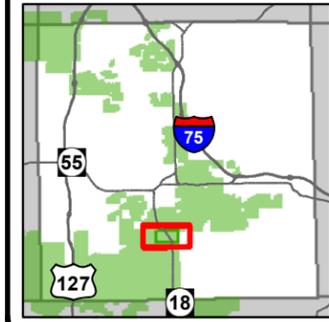


- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Culverts
- P Parking Lot
- * Trailhead
- * ORV Trails
- Snowmobile Trails
- Designated ATV
- - - Designated ORV Routes
- Designated Snowmobile Trails
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- Stand Boundaries
- Forest Covertypes**
 - 412 - Oak Types
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
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 - 122 - Roads/Parking Lot
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 - 622 - Lowland Shrub
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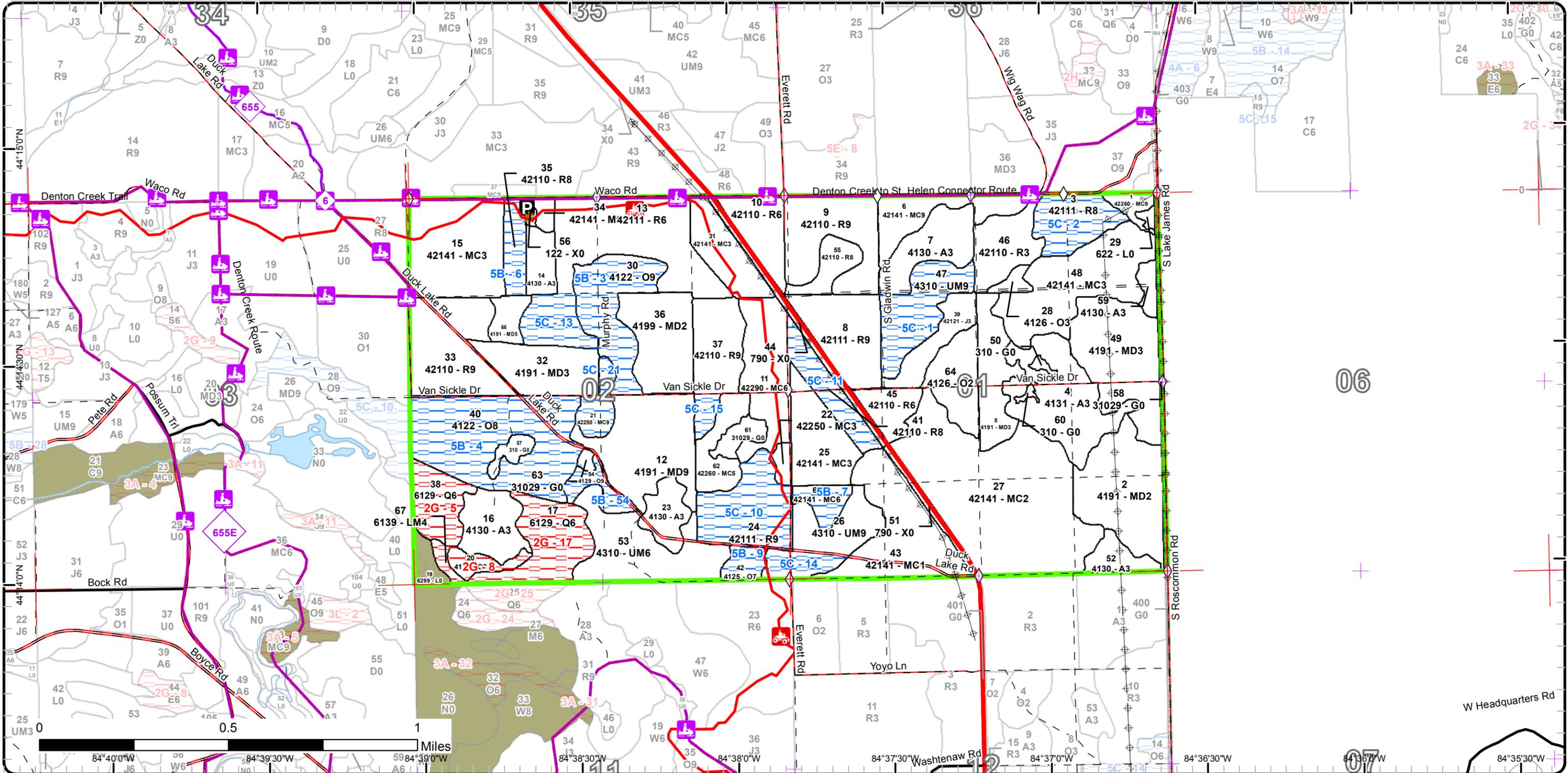


Special Conservation Areas & Site Conditions Map

Compartment: 137
 T21N R03W 01, 02
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2017
 Acres: 1287 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 7/24/2015
 Map Phase: Pre-Review



- ✚ Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- ⌘ Culverts
- Ⓟ Parking Lot
- ★ Trailhead
- 🚲 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated ORV Routes
- Designated Snowmobile Trails
- Rivers
- Pipeline
- Powerline
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints**
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors**
- 2G: Too wet (sensitive soils, does not include access issues)
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes



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84°40'0"W 84°39'30"W 84°39'0"W 84°38'30"W 84°38'0"W 84°37'30"W 84°37'0"W 84°36'30"W 84°36'0"W

Report 1 – Total Acres by Cover Type and Age Class

Mgt. Unit
: Examiner

Compartment

Year of Entry



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
	#Error	#Error	#####	#Error	#Error	#Error	#Error	#Error	#Error	#Error									
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 137
Total Compartment Acres: 1,287

Commercial Harvest - 307
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
Mixed Upland Deciduous	0	0	0	0	41	0	0	0	0	41
Natural Mixed Pines	29	0	0	0	0	0	0	0	0	29
Planted Mixed Pines	0	0	0	0	18	0	0	0	0	18
Red Pine	128	0	0	0	74	0	0	0	0	202
Upland Mixed Forest	17	0	0	0	0	0	0	0	0	17
Total	174	0	0	0	132	0	0	0	0	307

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	307	0	0	0	0	0	0	6	0	312
Next Step	0	153	153	0	0	0	328	0	6	640
Total	307	153	153	0	0	0	328	0	11	952



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
6	71137006-Cut	17.9	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	86	51-80	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription cut all aspen, red maple, and jack pine and thin oak/pine to 90 SF/acre residual, favor good quality red oak and white oak over poorer quality
Specs: black/pin oak, release suppressed pine where possible by thinning those areas heavy to pine

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

8	71137008-Cut	21.9	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	91	141- 170	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest main part of stand and then trench/re-plant to red pine, mark a few oak (esp. WO) for mast, place at least two 1/4 - 1/2 acre
Specs: retention islands (1 on the north edge and one on the east edge) in stand for retention and visual, protect RR grade during logging operations

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

Acceptable any mix of planted red pine and natural oak to a fully stocked stand is acceptable regeneration
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

8	71137008- Thin	5.2	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	91	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription thin part between RR grade and M-18 and use this as a visual buffer for cuts to the northeast, thin to 110 SF target residual to improve the
Specs: quality of the stand, protect RR grade during logging operations

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

9	71137009-Cut	32.2	42110 - Planted Red Pine	Sawtimber Well	88	141- 170	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest and trench/re-plant to RP, place 3-4 half-acre retention islands along Waco Rd., Van Sickle Rd, and the forest road on the east
Specs: edge for retention and visual, mark oak (especially WO) for mast

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

Acceptable Any combination of planted red pine and natural hardwoods to a fully stocked stand
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

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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
10 71137010-Cut	16.0	42110 - Planted Red Pine	Sawtimber Well	91	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Low thinning to a residual of 110SF basal area of red pine and use for visual for cuts to the east and south, mark to improve the quality of the residual stand
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

11 71137011-Cut	29.2	42290 - Natural Mixed Pine	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest and plant RP, leave a small island in the NE corner of the stand, leave the extreme SW portion of the stand, and buffer the grassy opening for retention
Specs:

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

Acceptable any mix of conifers and hardwood to fully stocked stand is acceptable regeneration
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

12 71137012-Cut	40.8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	91	111-140	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription crown thinning to improve the quality of the stand, thin to a target residual of 90 SF by first removing all aspen, red maple, and jack pine and then mark oak to the target BA favoring good white oak over poor black oak and red oak over black oak, eliminate steeper bowls with frost pockets, narrow arms, and areas heavy to WP understory - these areas will function as retention and for diversity
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

13 71137013-Cut	43.9	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	90	141-170	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription final harvest and plant red pine, leave part south of 2T for next time, leave up to four 1/2-1 acre retention islands along the "40 " roads,
Specs:

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

Acceptable any mix of pine and oak to a fully stocked stand is acceptable regeneration
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
13	71137013-Thin	5.4	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	90	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription thin part between ORV trail and Waco Road and use for visual; target BA of 110 SF

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

26	71137026-Cut	17.1	4310 - Pine, Oak Mix	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription final harvest the part of the sand north of Duck Lake Road and plant red pine using the oak weave, manage for a mixed stand of oak and pine,

Specs: leave at least two 1/2 - 1 acre retention islands along Duck Lake Road and on the hill on the east edge of the stand, these will also function for visual

Next Step

SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable any combination of planted red pine and natural oak to a fully stocked stand

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

33	71137033-Cut	36.5	42110 - Planted Red Pine	Sawtimber Well	90	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Thin from below to improve stand quality, remove some of the larger red pine also, target BA is 90 SF/Acre, areas at or below target density can

Specs: be left out of the sale so treatment may be smaller than indicated - approve this at CR

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

37	71137037-Cut	21.0	42110 - Planted Red Pine	Sawtimber Well	91	51-80	Harvest	Clearcut with Retention	4129 - Mixed Oak	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription remove RP over-story and manage for the oak understory, leave WP for diversity and visual on ORV trail, leave part south of the ORV rail and

Specs: cut with Stand 62 in some future YOY, plant RP as alternate if oak is destroyed during harvest, leave a 1-2 acre island or one to two 1/2-3/4 acre islands in the south part of the cut for retention and visual on the ORV trail

Next Step

Treatments:

Acceptable any combination natural oak regeneration mixed with natural pine regeneration to a fully stocked stand

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

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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
45 71137045-Cut	10.5	42110 - Planted Red Pine	Poletimber Well	90	171-200	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thin to 110 SF to improve the quality of the stand, watch out for narrow gauge RR grade

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

55 71137055-Cut	9.0	42110 - Planted Red Pine	Sawtimber Medium	88	51-80	Harvest	Clearcut with Retention	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Final harvest and manage for oak and planted red pine mix, Leave an island along M-18 for visual and retention or just thin out along the SW arm for visual/retention, protect oak understory where feasible

Specs:

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

Treatments:

Acceptable any combination of oak or planted red pine to a fully stocked stand is acceptable regeneration

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
Acreage Proposed: 306.6**

Report 5 – Site Conditions

Roscommon Mgt. Unit
Dale Ekdom : Examiner

Compartment: 137
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	2G
		With Condition	Not Available				
108	108	0	0	Aspen			0
13	13	0	0	Bare/Sparsely Vegetated			
19	18	0	0	Herbaceous Openland	0		
13	13	0	0	Jack Pine			
43	0	0	42	Lowland Conifers			42
3	0	0	3	Lowland Mixed Forest			3
7	7	0	0	Lowland Shrub			
200	200	0	0	Mixed Upland Deciduous			
59	50	9	0	Natural Mixed Pines		9	
132	21	105	6	Oak	105		6
293	286	7	0	Planted Mixed Pines	7		
310	220	90	0	Red Pine	9	81	
87	53	33	0	Upland Mixed Forest		33	0
1	1	0	0	Urban			
1,287	991	244	51	Total Forested Acres	122	123	51
	77%	19%	4%	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	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment: 137

Dale Ekdor : Examiner

Year of Entry: 2017

3	Available	5B: Maintain for regeneration purposes	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 137

Year of Entry: 2017

9	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment: 137

Dale Ekdor : Examiner

Year of Entry: 2017

17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
54	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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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Report 8 – Forested Stands

Compartment:
Year of Entry:



Level 4
Cover Type

Size
Density

Acres

Stand
Age

BA
Range

General
Comments:

#Type!



Stand	Cover Type	Acres	Managed Site	General Comments:
19	6299 - Lowland Shrub (OI)	5.3	No	Part of larger wetland complex to the west and south
44	790 - Other Bare/Sparsely Vegetate	9.2	No	M-18 ROW / Power-line ROW with narrow strip of trees between the highway and M-18, Retain as visual buffer for any cuts on the west side of M-18
63	31029 - Grass (OI)	1.4	No	"GRASSY" BOWL WITH LOTS OF SANDY 2T'S, SHOOTING RANGE AND PARTY SPOT