



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 157

Entry Year 2016

Acreage: 1,924

County Roscommon

Management Area: Upper Muskegon

Revision Date: 06/30/2014

Stand Examiner: Jason Lewicki

Legal Description:

T21N, 04W section 34, 35, and 36

Identified Planning Goals:

Maintain current age and species diversity in a range of early and late successional ecosystems as determined by the Upper Muskegon management plan.

Soil and topography:

Soils on the uplands generally consist of Rubicon and Grayling sands. Lowland areas are dominated by Tawas Lupton muck.

The topography within the compartment is very flat with large wetlands found throughout the area.

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

The entire compartment and much of the surrounding township is under state ownership.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Townline creek flows through this compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Jurassic Red Beds and the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay elsewhere in the State. The nearest gravel pit is located in Section 34 and there should be potential. Headquarters Field is located one mile to the northeast. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation, and is in secondary recovery operations currently. The compartment is not currently leased.

Vehicle Access:

Vehicle access is somewhat limited due to large lowland areas.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

Dispersed recreational activities occur on the land in the compartment such as hunting, and trapping purposes. The only designated recreational system barley enters into the compartment near stand 44. Utilize timber management activities to balance resource protection by closing illegal trails, and mitigate resource damage.

Fire Protection:

This compartment contains some red and jack pine and is within the zone 4 dispatch boundary. There is a lot of low

ground that helps reduce the size a fire growth.

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**

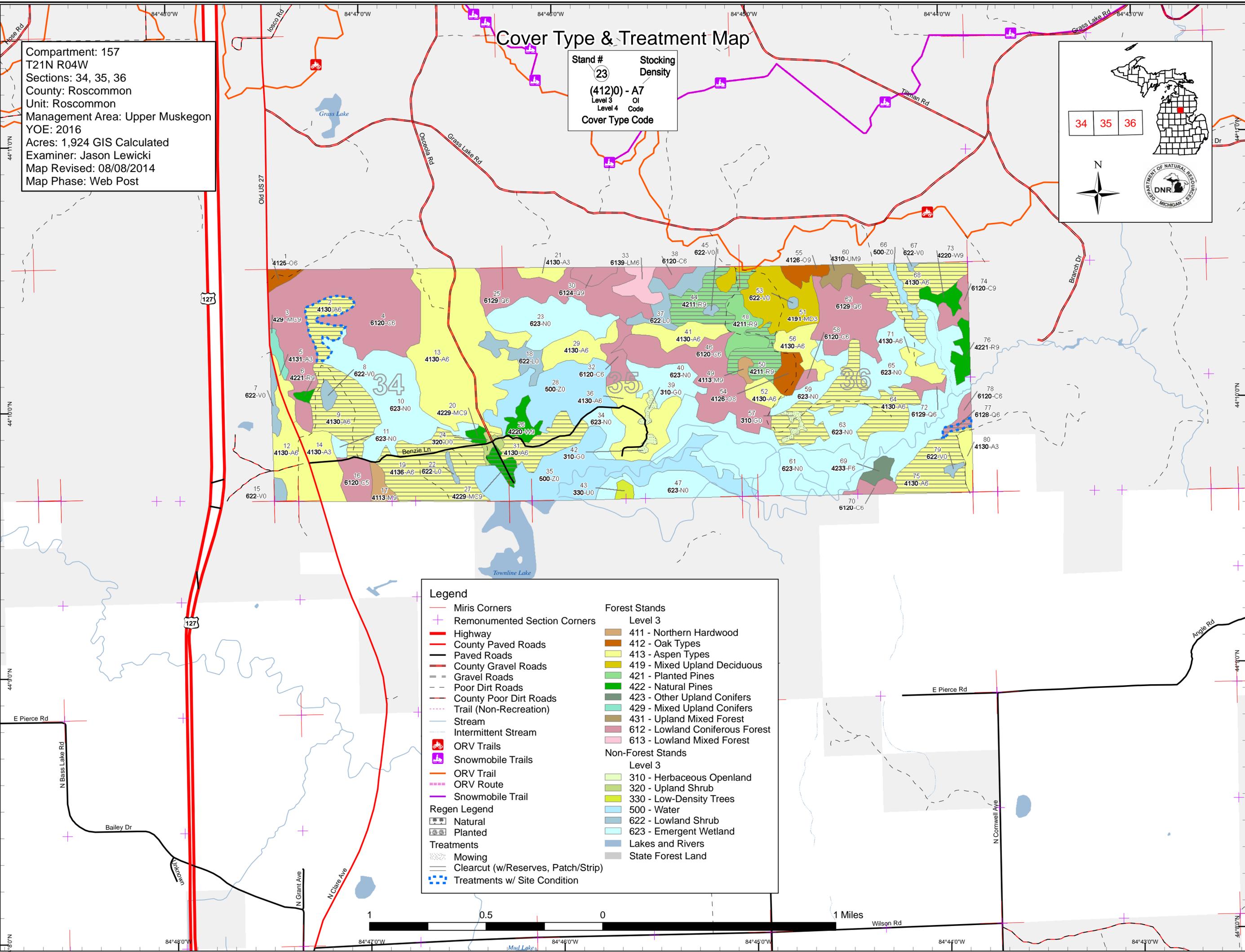
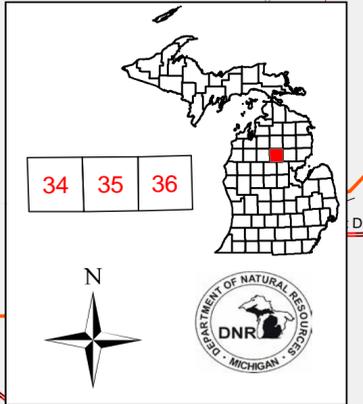
The following information is displayed, where pertinent, on the attached compartment maps:

- 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: 157
 T21N R04W
 Sections: 34, 35, 36
 County: Roscommon
 Unit: Roscommon
 Management Area: Upper Muskegon
 YOE: 2016
 Acres: 1,924 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 08/08/2014
 Map Phase: Web Post

Stand # 23
 Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code



Legend

<ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners — Highway — County Paved Roads — Paved Roads — County Gravel Roads — Gravel Roads — Poor Dirt Roads — County Poor Dirt Roads — Trail (Non-Recreation) — Stream — Intermittent Stream ORV Trails Snowmobile Trails ORV Trail ORV Route Snowmobile Trail 	<ul style="list-style-type: none"> Regen Legend Natural Planted Treatments Mowing Clearcut (w/Reserves, Patch/Strip) Treatments w/ Site Condition 	<ul style="list-style-type: none"> Forest Stands Level 3 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 423 - Other Upland Conifers 429 - Mixed Upland Conifers 431 - Upland Mixed Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest Non-Forest Stands Level 3 310 - Herbaceous Openland 320 - Upland Shrub 330 - Low-Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland Lakes and Rivers State Forest Land
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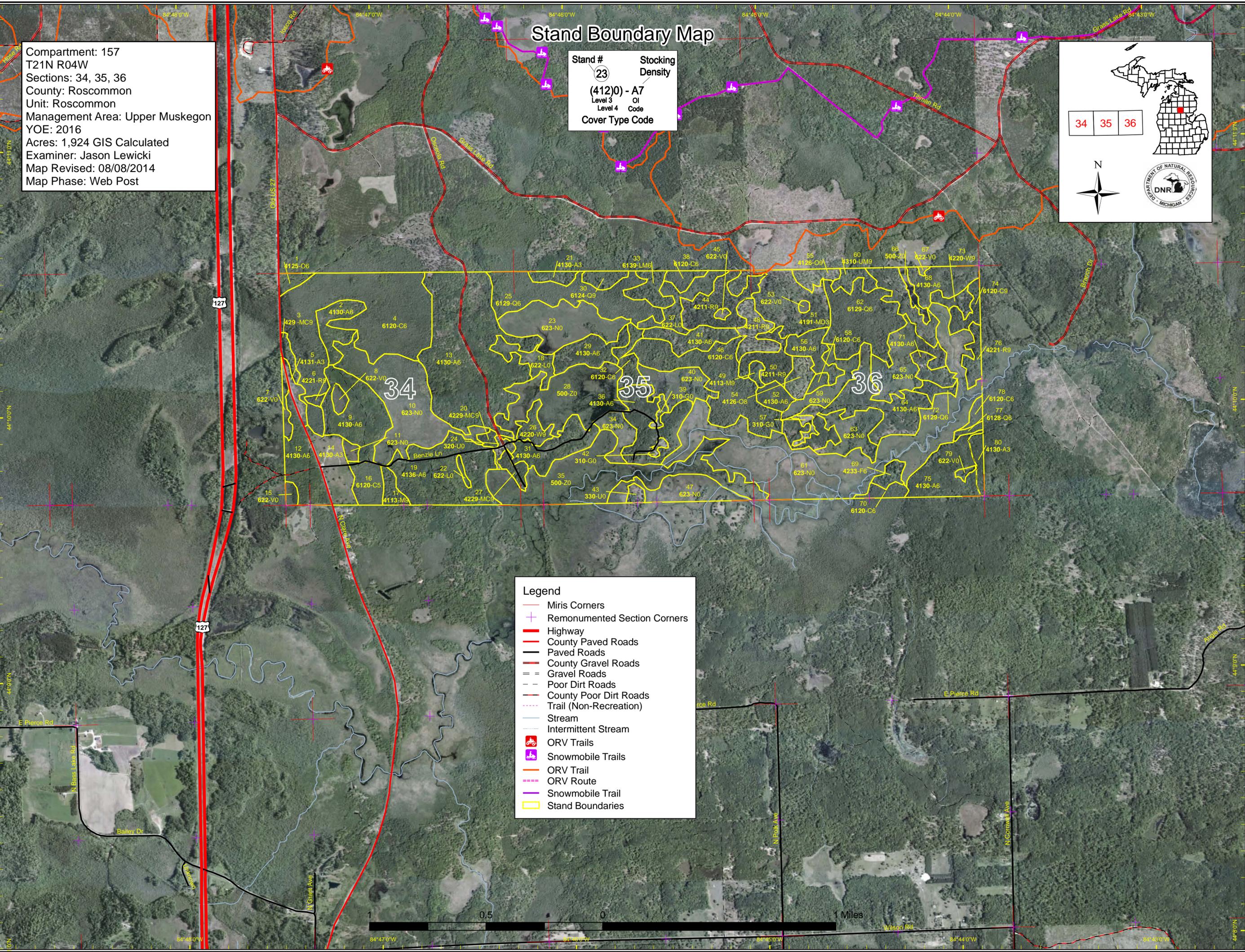
84°48'0"W 84°47'0"W 84°46'0"W 84°45'0"W 84°44'0"W 84°43'0"W
 44°50'N 44°49'N 44°48'N 44°47'N 44°46'N 44°45'N

Stand Boundary Map

Compartment: 157
 T21N R04W
 Sections: 34, 35, 36
 County: Roscommon
 Unit: Roscommon
 Management Area: Upper Muskegon
 YOE: 2016
 Acres: 1,924 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 08/08/2014
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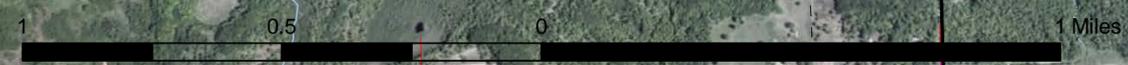
Stand #
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Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

34 35 36



Legend

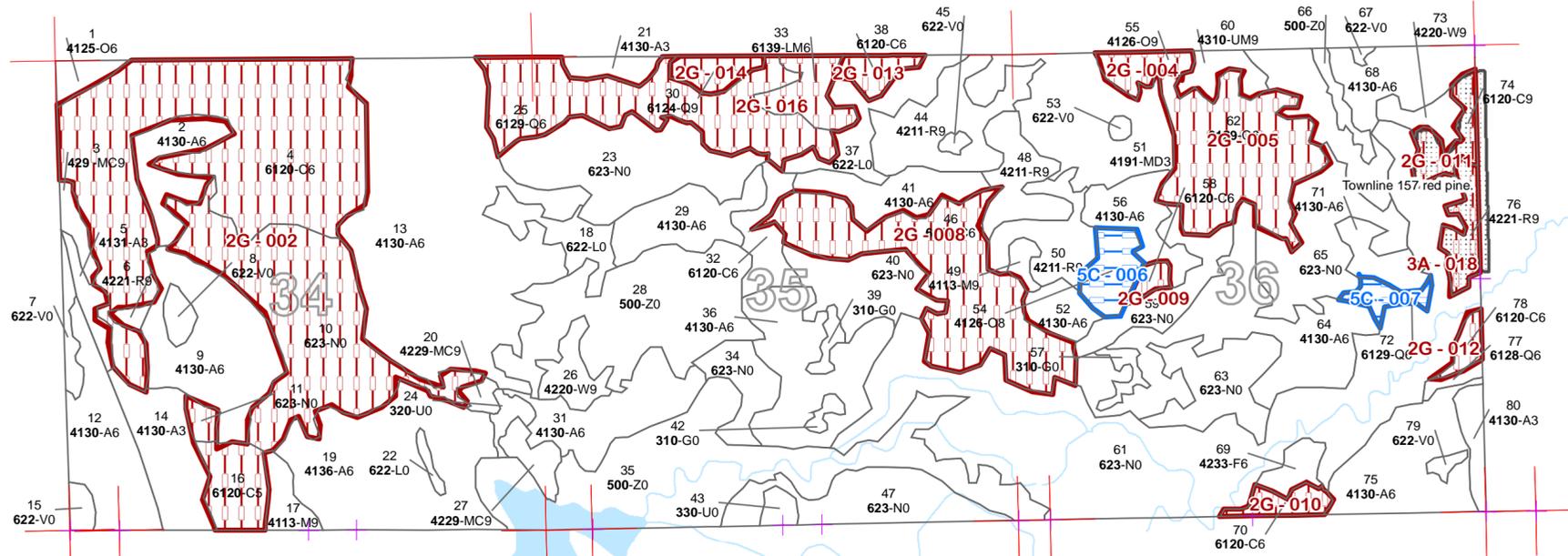
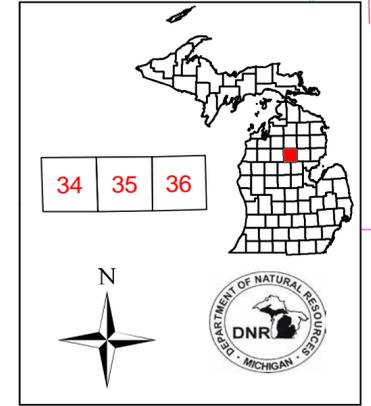
- Miris Corners
- Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- ORV Trails
- Snowmobile Trails
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stand Boundaries



Special Conservation Areas & Site Conditions Map

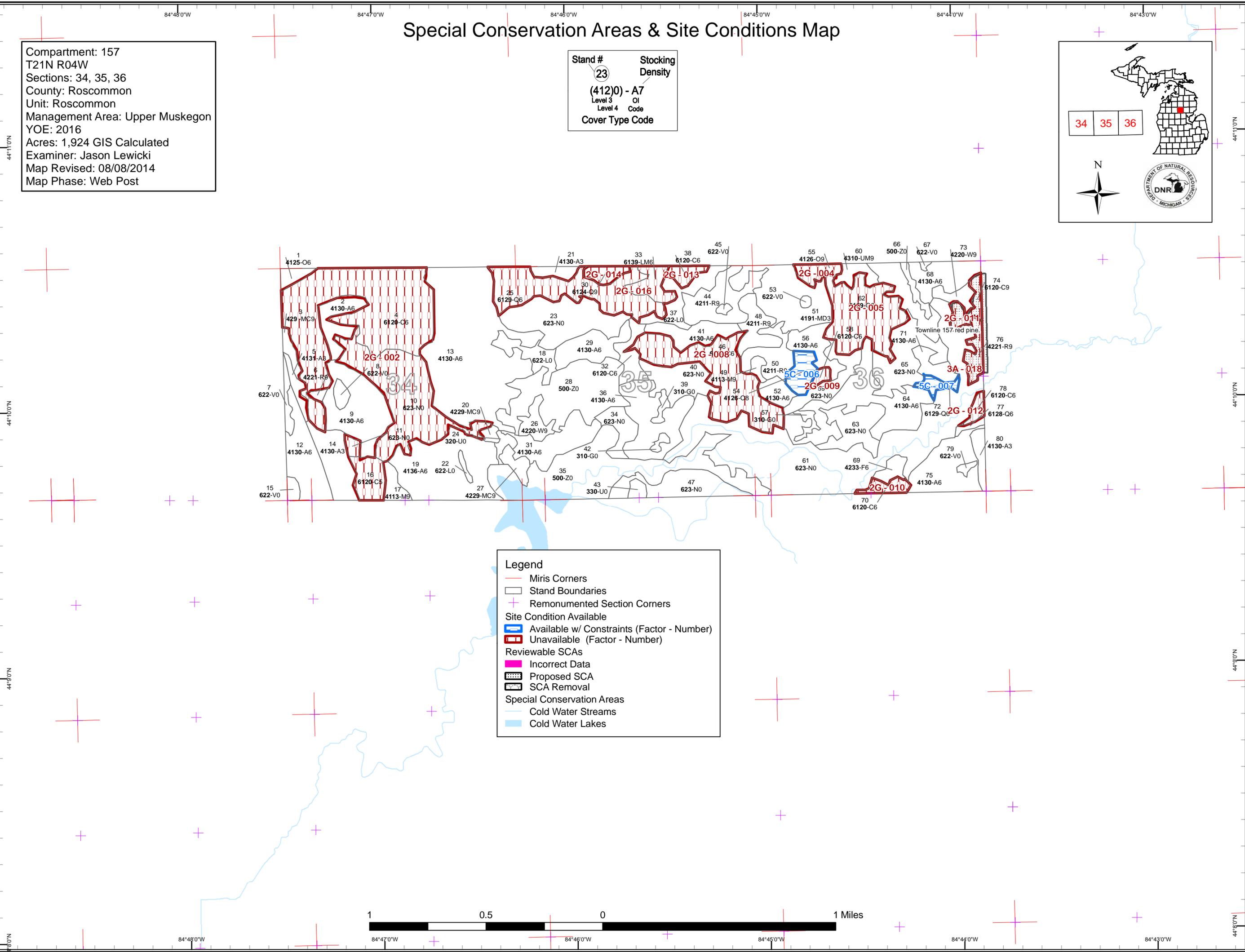
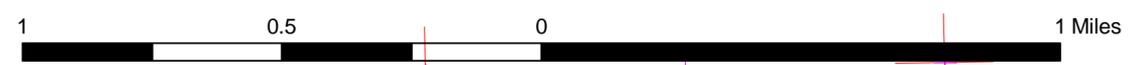
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Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

- Miris Corners
- Stand Boundaries
- + Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Reviewable SCAs
- Incorrect Data
- Proposed SCA
- SCA Removal
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes



Report 1 – Total Acres by Cover Type and Age Class



	Age Class														Total
	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 +	Uneven Age	
Aspen	44	0	0	0	586	0	0	0	0	0	0	0	0	0	630
Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cedar	0	0	0	0	0	0	0	138	0	29	68	25	4	0	263
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	7	0	53	63	0	2	0	126
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	12
Lowland Shrub	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Marsh	454	0	0	0	0	0	0	0	0	0	0	0	0	0	454
Mixed Upland Deciduous	0	47	0	0	0	0	0	0	0	0	0	0	0	0	47
Natural Mixed Pines	0	0	0	0	0	0	0	7	0	3	0	0	0	0	10
Northern Hardwood	0	0	0	0	0	0	0	0	3	0	7	0	0	0	11
Oak	0	0	0	0	5	0	0	0	0	0	11	0	8	0	24
Red Pine	0	0	0	0	0	0	0	65	0	0	2	9	0	0	76
Upland Conifers	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Water	168	0	0	0	0	0	0	0	0	0	0	0	0	0	168
White Pine	0	0	0	0	0	7	10	0	0	0	0	0	0	0	17
Total	733	47	0	0	596	6	7	227	3	97	151	42	14	0	1924



Report 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2016

Compartment 157
Total Compartment Acres: 1,924

Acres by Treatment Type

Commercial Harvest - 352 Tree Planting - 48 Other - 0
 Habitat Cut - 0 Opening Maintenance - 9

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen Types	296	0	0	0	0	0	296
Lowland Coniferous Forest	2	0	0	0	0	0	2
Natural Pines	7	0	0	0	0	0	7
Planted Pines	48	0	0	0	0	0	48
Total	352	0	0	0	0	0	352



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	71157009-Cut	44.8	4130 - Aspen	High Density Pole	42	111-140	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Clear cut stand and manage for aspen regeneration. Leave aspen retention in the for of small groups. Leave 1 brush pile for every 2 acres for
Specs: snowshoe hare habitat. Place brush piles near conifer swamp edges.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

19	71157019-Cut	67.3	4136 - Aspen, Mixed Conifer	High Density Pole	42	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clear cut stand and manage for aspen. Leave scattered red pine and oak for diversity. Buffer low wetland areas. Use a few clumps or pockets of
Specs: aspen for retention. Focus retention areas with a heavy pine or fir components.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

27	71157027-Cut	6.6	42290 - Natural Mixed Pine	High Density Log	75	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Final harvest(clearcut) stand and attempt to expand aspen component through the stand. Many areas will have Maple and oak as regeneration.
Specs: Some jack pine can be expected for regeneration also. Leave heavy retention of healthy oak and pine in small groups.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

31	71157031-Cut	27.4	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut and manage for aspen. Leave retention in the form of aspen clumps and all oak. Leave aspen retention pockets in areas with heavier white
Specs: pine.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	71157044-Cut	29.4	42110 - Planted Red Pine	High Density Log	75	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Final harvest stand and manage for a red pine plantation. Use retention around lowland bog areas.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Establish red pine plantation. Apply site prep if needed.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
50	71157050-Cut	18.3	42110 - Planted Red Pine	High Density Log	74	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Final harvest and manage stand for a red pine plantation. Use retention around bog on the west side.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Establish a red pine plantation. Apply site prep if needed.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
64	71157064-Cut	59.9	4130 - Aspen	High Density Pole	41	81-110	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clear cut stand and manage for aspen regeneration. Leave aspen retention in the for of small groups. Leave 1 brush pile for every 2 acres for snowshoe hare habitat. Place brush piles near conifer swamp edges. Protect the managed opening during harvest operations.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
68	71157068-Cut	42.4	4130 - Aspen	High Density Pole	41	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clear cut stand and manage for aspen regeneration. Leave aspen retention in the for of small groups. Leave 1 brush pile for every 2 acres for snowshoe hare habitat. Place brush piles near conifer swamp edges.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
75	71157075-Cut	35.4	4130 - Aspen	High Density Pole	41	111-140	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Clear cut stand and manage for aspen regeneration. Leave retention in the form of a few scattered oak and clumps of mature aspen. Do not cut or
Specs: enter the lowland cedar swale.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

39	NF_71157039- NonFor	3.0	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

42	NF_71157042- NonFor	2.0	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

57	NF_71157057- NonFor	3.5	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

**Total Treatment
Acreage Proposed: 340.1**

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a
n
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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2 71157002-Cut	18.3	4130 - Aspen	High Density Pole	42	81-110	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Specs: Clear cut stand and manage for aspen regeneration. Leave aspen retention in the for of small groups. Leave 1 brush pile for every 2 acres for snowshoe hare habitat. Place brush piles near conifer swamp edges. Crane mats may need to be used to cross 2 low swales.

Other Comment:

Next Steps:

Proposed Start Date: 10/01/2015

Limiting Factor 2G: Too wet (sensitive soils, does not include access issues)

77 71157077-Cut	2.4	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	125	111-140	Harvest	Clearcut with Reserves	6132 - Mixed Lowland Forest with Cedar	Cmpt. Review Proposal
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Prescription Specs: Final harvest(clear cut) stand and manage for swamp conifers with a aspen component. A Red maple and birch component is expected as well if it isn't browsed heavily.. Stand will require a frozen or very dry period for operability. Leave little to no retention due to stand size and the risk of wind throw. Cut with larger aspen stand to the south and possibly extend the cut into the adjacent compartment to the east.

Other Comment:

Next Steps:

Proposed Start Date: 10/01/2015

Limiting Factor 2G: Too wet (sensitive soils, does not include access issues)

Total Treatment Acreage Proposed: 20.7

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 157
Year of Entry 2016

Availability for Management

Total Acres	Acres			Dominant Site Conditions			
	Available	Not Available		No	5C	3A	2G
628	623	5	Aspen	623	0		5
262	14	247	Cedar	14	0		247
125	8	118	Lowland Conifers	2	5		118
12		12	Lowland Mixed Forest				12
47	46	0	Mixed Upland Deciduous	46			0
10	9	0	Natural Mixed Pines	9			0
11	10	0	Northern Hardwood	10			0
24	16	8	Oak	5	11		8
76	66	9	Red Pine	66		9	0
5	5		Upland Conifers	5			
8	8	1	Upland Mixed Forest	8			1
6	6		Upland Spruce/Fir	6			
17	17		White Pine	17			
1,230	829	401	Total Forested Acres	813	16	9	391
	67%	33%	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
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	237				
Comments:							
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	8				
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 157
Year of Entry 2016

005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	55	
Comments:				
006	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	
Comments:				
007	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	
Comments:				
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	68	
Comments: Some edge areas may be operable.				
009	Not Available	2G: Too wet (sensitive soils, does not include access issues)	3	
Comments:				
010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7	
Comments:				

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 157
Year of Entry 2016

011	Not Available	2G: Too wet (sensitive soils, does not include access issues)	10
Comments:			
012	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5
Comments:			
013	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6
Comments:			
014	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7
Comments:			
016	Not Available	2G: Too wet (sensitive soils, does not include access issues)	71
Comments:			
018	Not Available	3A: Potential old growth / biodiversity	10
Comments:			

**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
Townline 157 red pine.	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	SCA	24.4
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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.

S t a n d	Roscommon Mgt. Unit		Report 8 – Forested Stands			Compartment: 157	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2016	
1	4125 - Black, N. Pin Oak	High Density Pole	5.3	42	51-80		Bigtooth aspen on SW corner. Mostly oak and maple stand. Manage with stand and compartment to the north.
2	4130 - Aspen	High Density Pole	18.3	42	81-110		Primarily bigtooth aspen stand with some scattered oak and pine. Some pockets of mature red pine along swamp edges.
3	429 - Mixed Upland Conifers	High Density Log	4.8	45	81-110		Small stand of oak and pine between the road and the swamp.
4	6120 - Lowland Cedar	High Density Pole	138.2	70	51-80		
5	4131 - Aspen, Oak	High Density Sapling	6.3	8			Most of the aspen is found on the south 1/2 of stand.
6	42210 - Natural Red Pine	High Density Log	1.9	105	111-140		Natural red pine stand. Old fire scars.
9	4130 - Aspen	High Density Pole	44.8	42	111-140		Mixed aspen stand. Better site quality on north end with some bigtooth aspen, More oak understory on southern end.
12	4130 - Aspen	High Density Pole	31.4	44	111-140		Stand of bigtooth aspen mixed with older pine and oak. Heavier red pine sawtimber on north end.
13	4130 - Aspen	High Density Pole	144.0	42	51-80		Stand of low quality quaking aspen mixed with good amounts of white pine, black oak and balsam fir. Some areas heavier to oak canopy especially on the north end. Some lowland pockets with swamp conifers. Swamp conifers and mixed pine is found heavier on swamp edges. Hold for a diverse aspen stand with some future mast producing oak.
14	4130 - Aspen	High Density Sapling	24.9	7			
16	6120 - Lowland Cedar	Medium Density Pole	14.9	110	1-50		Non operable, Dead black component present.
17	4113 - R.Maple, Conifer	High Density Log	7.4	100	51-80		
19	4136 - Aspen, Mixed Conifer	High Density Pole	67.3	42	81-110		Aspen stand mixed with maple, red pine and heavy balsam fir. Multiple small lowland pockets present. Red pine is found scattered and in small groups. Aspen has a older age class mixed in that is overmature and in decline.
20	42290 - Natural Mixed Pine	High Density Log	2.9	95	81-110		Natural red and white pine stand. some aspen , jack pine and oak scattered about.
21	4130 - Aspen	High Density Sapling	6.1	2			Some scattered oak and pine left for supercanopy. Heavy browse on oak and maple.
25	6129 - Mixed Coniferous Lowland Forest	High Density Pole	57.6	100			





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	42200 - Natural White Pine	High Density Log	9.8	75	81-110	Small stand of primarily white pine. Small logs and pole timber white pine with large supercanopy red and white pine. Some scattered aspen and oak pole timber.
27	42290 - Natural Mixed Pine	High Density Log	6.6	75	81-110	Diverse stand of jack pine and mixed hardwoods. More aspen component on east side and heavier jack pine on the west side. Some oak is overmature and in decline.
29	4130 - Aspen	High Density Pole	21.2	42	81-110	No access across dyke.
30	6124 - Lowland Spruce-Fir	High Density Log	7.4	75		
31	4130 - Aspen	High Density Pole	27.4	42		Stand of lower quality quaking aspen with white pine understory. Some open areas along two track, could be used as landing area.
32	6120 - Lowland Cedar	High Density Pole	12.6	97	111-140	Heavy winter deer use in 13-14.
33	6139 - Mixed Lowland Forest	High Density Pole	12.2	95		
36	4130 - Aspen	High Density Pole	39.5	42	111-140	
38	6120 - Lowland Cedar	High Density Pole	6.3	95		
41	4130 - Aspen	High Density Pole	18.7	42	51-80	Stand of mixed aspen. Some pockets of maple and oak. Balsam fir mixed in. Could possibly manage swamp edge when stand is harvested.
44	42110 - Planted Red Pine	High Density Log	29.4	75	81-110	Mature stand of red pine that was thinned in 1997. Heavy understory of oak and maple. Heavier to oak on the north end. Both stump sprouts from harvest and single stem oak regen present. Old notes indicate stand was pruned in 1966.
46	6120 - Lowland Cedar	High Density Pole	67.7	100	51-80	Some edge areas may be operable but most areas are not operable. Heavy tag alder understory in areas with a dead ash component.
48	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	16.9	74	81-110	Stand was thinned last entry. Stand has advanced regen of oak pine and maple. A few open areas with aspen regen. Some very nice white oak mast trees present.
49	4113 - R.Maple, Conifer	High Density Log	3.2	80	81-110	Primarily a red maple and balsam fir stand with scattered old, rotten aspen. Balsam fir and scattered oak in the understory. Possibly cut with the adjacent aspen stand.
50	42110 - Planted Red Pine	High Density Log	18.3	74	111-140	Mature red pine stand that was thinned in 1997. Heavy understory of red maple. Some scattered oak. Old planting records indicate stand was TSI pruned in 1966.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	46.7	17	1-50	Stand was cut in 1997. Scattered mature red pine were left. Understory is now the canopy and consists of heavy regen of oak red maple and white pine.
52	4130 - Aspen	High Density Pole	9.1	42	81-110	
54	4126 - White, Black, N. Pin Oak	Medium Density Log	11.0	100	1-50	Stand was shelterwood cut in 1997 leaving all the white oak.
55	4126 - White, Black, N. Pin Oak	High Density Log	8.1	120	51-80	Stand had all species removed but white oak. Good mast and habitat for the area.
56	4130 - Aspen	High Density Pole	16.4	42	51-80	Low quality aspen stand with some scattered pine. Good amounts of oak in the understory.
58	6120 - Lowland Cedar	High Density Pole	3.1	95	81-110	
60	4310 - Pine, Oak Mix	High Density Log	8.4	110	81-110	Relatively small stand with good mast qualities. Stand appears healthy and in good shape.
62	6129 - Mixed Coniferous Lowland Forest	High Density Pole	53.2	95	111-140	Mixed conifer lowland. Possibly operable during perfect conditions.
64	4130 - Aspen	High Density Pole	59.9	41	81-110	Stand of primarily quaking aspen with some pockets of bigtooth aspen. Some balsam fir scattered about. Mostly pin oak and cherry understory.
68	4130 - Aspen	High Density Pole	42.4	41	51-80	
69	42330 - Upland Fir	High Density Pole	6.4	50	81-110	
70	6120 - Lowland Cedar	High Density Pole	6.5	95	51-80	
71	4130 - Aspen	High Density Pole	9.9	41	51-80	
72	6129 - Mixed Coniferous Lowland Forest	High Density Pole	5.1	100	111-140	A fair amount of this stand appears operable under good conditions. Harvest when adjacent aspen stand gets cut.
73	42200 - Natural White Pine	High Density Log	7.3	65	1-50	Some open grown white pine and oak. Some balsam fir and spruce scattered about. Some lowland areas.
74	6120 - Lowland Cedar	High Density Log	9.7	110	81-110	

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Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 157
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
75	4130 - Aspen	High Density Pole	35.4	41	111-140	Stand of primarily bigtooth aspen. Stand has some pockets of cedar on the southern edge along the PVT line. Some beaver activity on the western edge.
76	42210 - Natural Red Pine	High Density Log	9.4	115	111-140	Natural red pine stand on a ridge that extends into the swamp. Old fire scars found throughout the stand,
77	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	2.4	125	111-140	Mixed conifer swamp with a aspen component on the edge of a larger swamp complex. Not as wet as the stand to the north. Stand is operable under ideal conditions.
78	6120 - Lowland Cedar	High Density Pole	4.0	125	51-80	
80	4130 - Aspen	High Density Sapling	7.0	3		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	6225 - Bog	4.9	No	Unspecified	
8	6225 - Bog	4.1	No	Unspecified	
10	6239 - Mixed Emergent Wetland	78.6	No	Unspecified	
11	6239 - Mixed Emergent Wetland	3.2	No	Unspecified	
15	6225 - Bog	3.2	No	Unspecified	
18	6229 - Mixed lowland shrub	13.5	No	Unspecified	
22	6229 - Mixed lowland shrub	1.8	No	Unspecified	
23	6239 - Mixed Emergent Wetland	47.8	No	Unspecified	
24	3205 - Mixed Upland Shrub	3.8	No	Unspecified	
28	50 - Water	65.7	No	Unspecified	
34	6239 - Mixed Emergent Wetland	12.8	No	Unspecified	
35	50 - Water	97.5	No	Unspecified	
37	6229 - Mixed lowland shrub	19.0	No	Unspecified	
39	3102 - Grass	3.0	Yes	High	
40	6239 - Mixed Emergent Wetland	24.0	No	Unspecified	
42	3102 - Grass	2.0	Yes	High	
43	3303 - Mixed Low Density Trees	3.5	No	Unspecified	
45	6225 - Bog	1.5	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
47	6239 - Mixed Emergent Wetland	28.7	No	Unspecified	
53	6225 - Bog	1.4	No	Unspecified	
57	3102 - Grass	3.5	Yes	High	
59	6239 - Mixed Emergent Wetland	18.1	No	Unspecified	
61	6239 - Mixed Emergent Wetland	180.8	No	Unspecified	
63	6239 - Mixed Emergent Wetland	23.9	No	Unspecified	
65	6239 - Mixed Emergent Wetland	35.7	No	Unspecified	
66	50 - Water	4.7	No	Unspecified	
67	6225 - Bog	0.8	No	Unspecified	
79	6225 - Bog	1.8	No	Unspecified	