ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 49 ENTRY YEAR: 2014

Compartment Acreage: 1194 County: Roscommon

Revision Date: 07-26-2012

Stand Examiner: Ben Wiese

Legal Description: T24N R01W sections 26 and 3

Management Area: AuSable Outwash

Management Goals: Provide for sustainable ecosystem based management including forest products, wildlife and recreation. Maintain healthy and diverse forested stands. Regenerate one 16 acre aspen stand and one 18 acre mixed aspen and oak stand. Thin 149 acres of red pine. Plant 47 of red pine.

Soil and Topography: Upland surface soils are a variety of sand types including Chinwhisker, Croswell, Geels, Graycalm, Grayling, Kellogg, Otisco, Perecheney and Rubican. Lowland soils are mostly Tawas and Kinross muck. The geomorphology is glacial outwash sand and gravel and ice contact sand and gravel.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is bordered by state owned and private land.

Unique, Natural Features: Includes Au Sable natural river HCVA, and possible Kirtland's warbler habitat.

Archeological, Historical, and Cultural Features: Archeological site located in section 26. Potential for prehistoric sites ranges from none to very high.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: None noted.

Wildlife Habitat Considerations: Deer, grouse, turkey, bear, birds.

Mineral Resource and Development Concerns and/or Restrictions: None noted.

Vehicle Access: There is good access in section 26 and limited access in section 35 utilizing county roads and various forest roads.

Survey Needs: None at this time

Recreational Facilities and Opportunities: Opportunities include hunting, dispersed camping, snowmobiling and ORV operating.

Fire Protection: Cover types include red pine, jack pine, mixed conifer, oak and mixed upland types. Risk is mostly high but ranges to very high.

Additional Compartment Information:

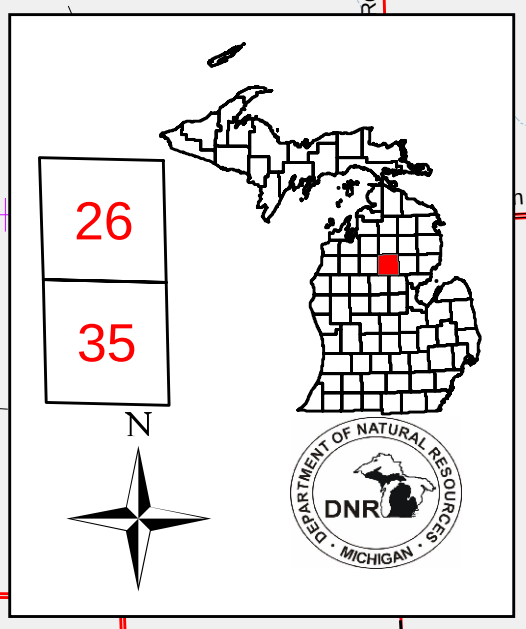
- **The following 5 reports from the Inventory System:**
  - **Cover Type by Age Class**
  - **Cover Type by Management Objective**
  - **Compartment Volume Summary**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**

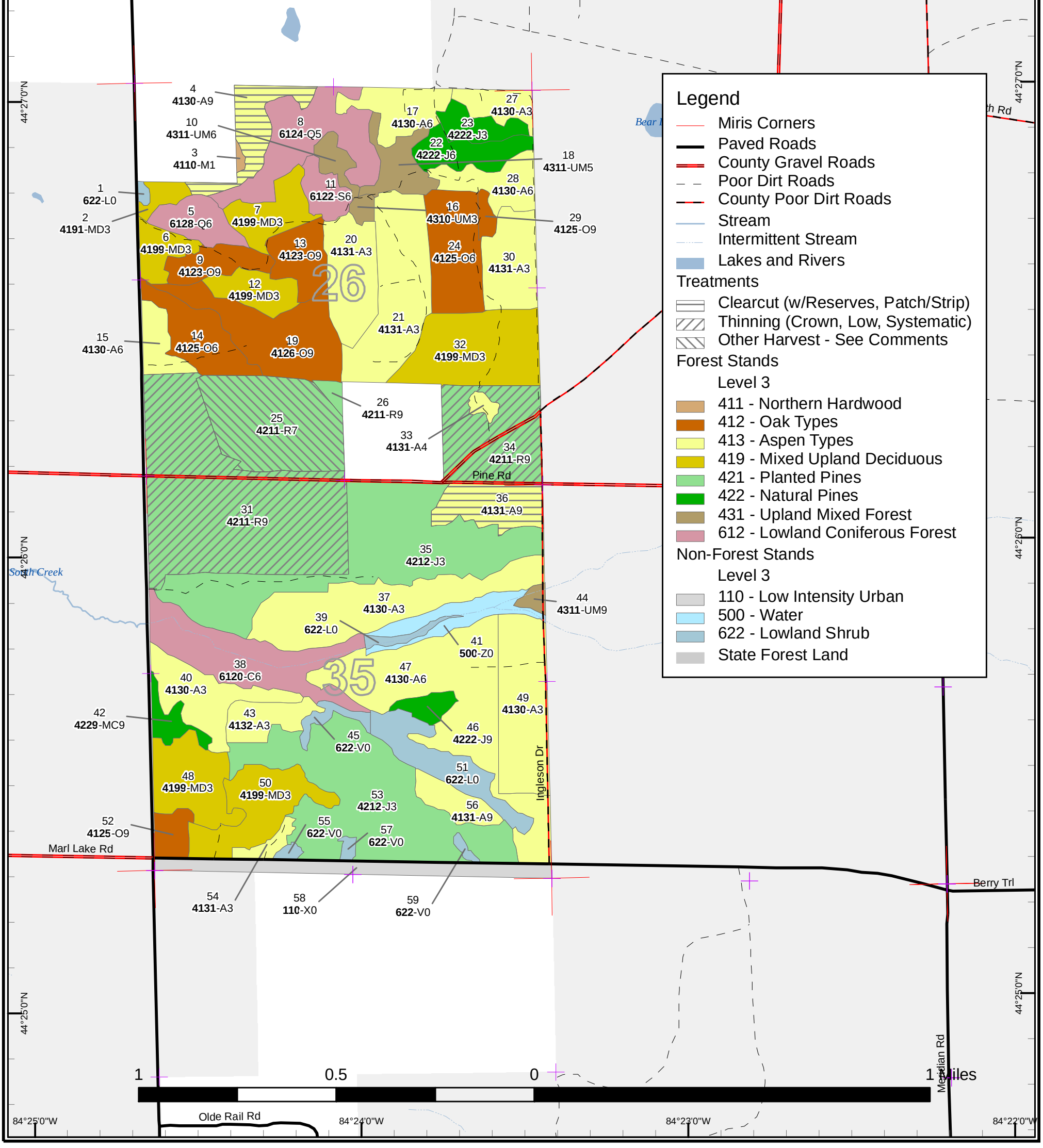
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand numbers, cover types**
  - **Proposed treatments**
  - **Proposed road access system**
  - **Suggested potential old growth**

Cover Type & Treatment Map

Compartment: 49
T24N R01W Sec. 26, 35
County: Roscommon
Unit: Roscommon
YOE: 2014
Acres: 1,194 GIS Calculated
Examiner: Ben Wiese
Map Revised: 08/10/2012
Map Phase: Pre-Review

Stand # 23
Stocking Density
(412)0) - A7
Level 3 OI
Level 4 Code
Cover Type Code





Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Other Harvest - See Comments

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 110 - Low Intensity Urban
- 500 - Water
- 622 - Lowland Shrub
- State Forest Land

Stand Boundary Map

Compartment: 49
T24N R01W Sec. 26, 35
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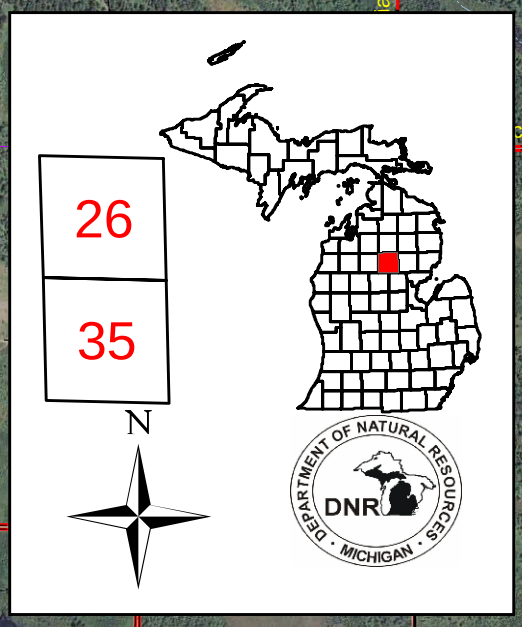
Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code



Legend
- Miris Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Stream
- Intermittent Stream
- Stand Boundaries

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Non-Forest Stands
- Level 3
  - 110 - Low Intensity Urban
  - 500 - Water
  - 622 - Lowland Shrub

1 4130-A9
2 4191-MD3
3 4110-M1
4 4130-A9
5 6128-Q6
6 4199-MD3
7 4199-MD3
8 6124-Q5
9 4123-O9
10 4311-UM6
11 6122-S6
12 4199-MD3
13 4123-O9
14 4125-O6
15 4130-A6
16 4310-UM3
17 4130-A6
18 4311-UM5
19 4126-O9
20 4131-A3
21 4131-A3
22 4222-J6
23 4222-J3
24 4125-O6
25 4211-R7
26 4211-R9
27 4130-A3
28 4130-A6
29 4125-O9
30 4131-A3
31 4211-R9
32 4199-MD3
33 4131-A4
34 4211-R9
35 4212-J3
36 4131-A9
37 4130-A3
38 6120-C6
39 622-L0
40 4130-A3
41 500-Z0
42 4229-MC9
43 4132-A3
44 4311-UM9
45 622-V0
46 4222-J9
47 4130-A6
48 4199-MD3
49 4130-A3
50 4199-MD3
51 622-L0
52 4125-O9
53 4212-J3
54 4131-A3
55 622-V0
56 4131-A9
57 622-V0
58 110-X0
59 622-V0

Au Sable Rd
Pine Rd
Marl Lake Rd
Olde Rail Rd
Ingleson Dr
Meridian Rd
Berry Trl
ath Rd
ch Trl

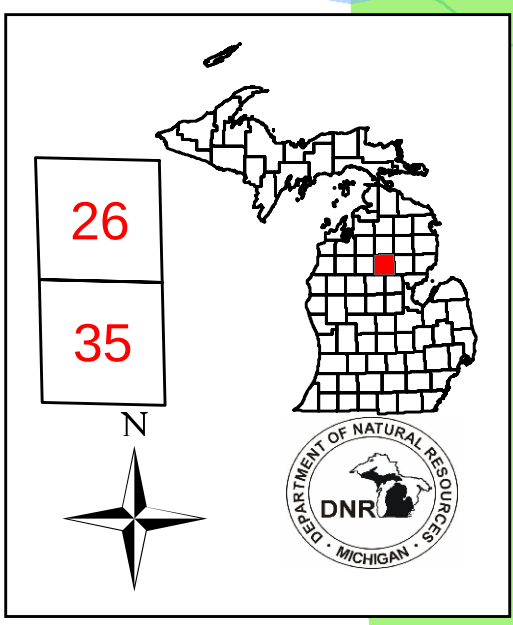
1 0.5 0 1 Miles

84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W
44°27'0"N 44°26'0"N 44°25'0"N

Dedicated & Proposed Special Conservation Area Map

Compartment: 49
T24N R01W Sec. 26, 35
County: Roscommon
Unit: Roscommon
YOE: 2014
Acres: 1,194 GIS Calculated
Examiner: Ben Wiese
Map Revised: 08/10/2012
Map Phase: Pre-Review

Stand # — Stocking Density
23 — (412)0) - A7
Level 3 — OI Code
Level 4
Cover Type Code



Legend
- Miris Corners
- Stand Boundaries

Forest Stands
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  - 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
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Non-Forest Stands
- Level 3
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  - 622 - Lowland Shrub

Dedicated Special Conservation Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Cold Water Streams

26
1 **622**-L0
2 **4191**-MD3
3 **4110**-M1
4 **4130**-A9
5 **6128**-Q6
6 **4199**-MD3
7 **4199**-MD3
8 **6124**-Q5
9 **4123**-O9
10 **4311**-UM6
11 **6122**-S6
12 **4199**-MD3
13 **4123**-O9
14 **4125**-O6
15 **4130**-A6
16 **4310**-UM3
17 **4130**-A6
18 **4311**-UM5
19 **4126**-O9
20 **4131**-A3
21 **4131**-A3
22 **4222**-J6
23 **4222**-J3
24 **4125**-O6
25 **4211**-R7
26 **4211**-R9
27 **4130**-A3
28 **4130**-A6
29 **4125**-O9
30 **4131**-A3
31 **4211**-R9
32 **4199**-MD3
33 **4131**-A4
34 **4211**-R9
35
35 **4212**-J3
36 **4131**-A9
37 **4130**-A3
38 **6120**-C6
39 **622**-L0
40 **4130**-A3
41 **500**-Z0
42 **4229**-MC9
43 **4132**-A3
44 **4311**-UM9
45 **622**-V0
46 **4222**-J9
47 **4130**-A6
48 **4199**-MD3
49 **4130**-A3
50 **4199**-MD3
51 **622**-L0
52 **4125**-O9
53 **4212**-J3
54 **4131**-A3
55 **622**-V0
56 **4131**-A9
57 **622**-V0
58 **110**-X0
59 **622**-V0

1 — 0.5 — 0 — 1 Miles

44°27'0"N
44°26'0"N
44°25'0"N
84°25'0"W
84°24'0"W
84°23'0"W
84°22'0"W

Table 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit **Compartment 049 Year of Entry 2014**

Benjamin Wiese : Examiner

Age Class

	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	Total
Aspen	133	69	82	20	40	18	0	0	9	0	0	0	0	0	**370**
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	**8**
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	38	0	**38**
Jack Pine	81	9	83	0	0	13	5	0	0	0	0	0	0	0	**192**
Lowland Conifers	0	0	0	0	0	0	0	0	0	46	0	0	0	0	**46**
Lowland Shrub	24	0	0	0	0	0	0	0	0	0	0	0	0	0	**24**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	8	0	0	0	0	0	**8**
Mixed Upland Deciduous	66	24	40	0	0	0	0	0	0	0	0	0	0	0	**130**
Natural Mixed Pines	0	0	0	0	0	0	6	0	0	0	0	0	0	0	**6**
Northern Hardwood	0	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Oak	0	0	26	19	0	0	0	0	3	67	0	0	0	0	**115**
Red Pine	0	0	0	0	0	0	0	198	0	0	0	0	0	0	**198**
Upland Mixed Forest	0	2	0	0	12	5	0	0	0	2	0	0	0	0	**22**
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	**20**
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	**14**
Total	**347**	**104**	**232**	**39**	**52**	**37**	**11**	**198**	**20**	**116**	**0**	**0**	**38**	**0**	**1194**

Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2014

Compartment 049
Total Compartment Acres: 1194

Acres by Treatment Type

Commercial Harvest - 230	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	34	0	0	0	0	0	**34**
Red Pine	0	0	0	0	149	47	**196**
Total	**34**	**0**	**0**	**0**	**149**	**47**	**230**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	71049004-Cut	15.9	4130 - Aspen	High Density Log	47	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Save some of the larger oak and maple for structure and divesity.

Other Comments: Access will need to be through stands 1 and 2 or through the adjacent private landowner.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
25	71049025-Cut	47.4	42110 - Planted Red Pine	Low Density Log	72	1-50	Harvest	Other - Specify in Comments	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Overstory removal. Harvest all red pine. Chip slash. Roller chop. Trench and plant red pine.

Other Comments: Implement treatment out of year of entry ASAP to facilitate the planting of red pine and to limit the growth of competing hardwoods.

Next Steps:

Proposed Start Date: 10/01/2012

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31	71049031-Cut	111.6	42110 - Planted Red Pine	High Density Log	72	141-170	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin from below to a residual basal area of 90-110. Leave the best quality trees to promote the growth of saw logs and utility poles. This will also open the canopy and allow the understory to develop.

Other Comments: Healthy red pine stand that was harvested in 1994 by removing all merchantable trees except red pine.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	71049034-Cut	37.3	42110 - Planted Red Pine	High Density Log	70	111-140	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin from below to a residual basal area of 90-110 to promote Leave the healthiest best formed trees.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	71049036-Cut	17.9	4131 - Aspen, Oak	High Density Log	54	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves to regenerate aspen, oak and red maple. Leave some of the better quality oak and pine.

Other Comments:

Next Steps: If after harvest the stocking is to low, site prep and plant red pine.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	Total Treatment Acreage Proposed:	**230.1**								

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error							

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status

Prescription Specs:

Other Comments:

Next Steps:

Proposed Start Date: #Error

Total Treatment Acreage Proposed: **0**

Data updated before 10:00 AM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	4.4	20	51-80	Scattered super canopy red pine. Most of the red maple saplings have reached the canopy.
3	4110 - Sugar Maple Association	Low Density Sapling	0.8	25	1-50	Small grass opening with black cherry that is converting to a forested stand. This stand is part of of a larger opening to the west on private property.
4	4130 - Aspen	High Density Log	15.9	47	111-140	Aspen stand that is on a good site and ready for harvest. Most of the bigtooth is isolated on a small hill. The basal area is variable. Maple understory is dense in some places.
5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	12.3	97		Lowland conifer forest.
6	4199 - Other Mixed Upland Deciduous	High Density Sapling	9.0	17		Stand was regenerated in 1995. Oak and maple regen is from stump sprouts, some oak is single stem. Aspen is mostly in the south part of the stand.
7	4199 - Other Mixed Upland Deciduous	High Density Sapling	15.1	17		Stand was regenerated approximately 10 years ago. The white oak and white pine were left. The white pine is scattered throughout. The oak and red maple is mostly from stump sprouts but there are some oak single stem saplings.
8	6124 - Lowland Spruce-Fir	Medium Density Pole	33.6	97	1-50	Lowland conifer mostly tamarack and black spruce.
9	4123 - Red Oak	High Density Log	11.5	90	51-80	Stand was harvested 5-10 years ago by removing the aspen and red maple. The basal area is variable. The understory is aspen and red maple with high stocking levels.
10	4311 - Pine, Aspen Mix	High Density Pole	5.5	56	51-80	Stand is mixed white pine and aspen. The white pine is growing vigorously, the basal area is variable. Oak and maple stump sprouts are present, looks like stand was harvested~20 years ago.
11	6122 - Black Spruce	High Density Pole	8.3	87	51-80	Stand is lowland mixed conifer with alder, fir and spruce in the understory
12	4199 - Other Mixed Upland Deciduous	High Density Sapling	11.7	25		Looks like stand was regenerated 20-30 years ago. The red maple and oak are mostly stump sprouts.
13	4123 - Red Oak	High Density Log	14.1	90	81-110	Healthy red oak stand. Harvested 15-20 years ago by removing red maple and aspen. Red maple has regenerated in the understory. North edge of stand has white pine in the understory.
14	4125 - Black, N. Pin Oak	High Density Pole	19.2	35	1-50	Stand was regenerated 35-40 years ago. Oak is mostly from stump sprouts, higher density in the west part of stand. The aspen is concentrated higher in the east. There is a ~.5 acre frost pocket in the stand.
15	4130 - Aspen	High Density Pole	9.0	49	81-110	Healthy quaking aspen stand with scattered white oak in canopy and red pine scattered lightly in the understory.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4310 - Pine, Oak Mix	High Density Sapling	2.5	17		Stand was likely harvest at the same time as stand 16 to the south. Mixed pine, oak and aspen, oak is from stump sprouts.
17	4130 - Aspen	High Density Pole	15.6	37	81-110	Aspen stand mixed with oak some is super canopy and red maple. Some jack pine mostly in the east part of the stand.
18	4311 - Pine, Aspen Mix	Medium Density Pole	12.1	45	51-80	Mixed stand mostly white pine and aspen, density is variable.
19	4126 - White, Black, N. Pin Oak	High Density Log	35.0	90	111-140	healthy oak stand of medium quality, it looks like the red oak was removed 25-30 years ago. South part of the stand has red pine seeding in from the adjacent stand. Trace quaking aspen throughout the stand with a small pocket located in the south.
20	4131 - Aspen, Oak	High Density Sapling	23.6	17		Stand was regenerated 15-20 years ago. Mostly aspen mixed with oak and maple which are mostly stump sprouts.
21	4131 - Aspen, Oak	High Density Sapling	42.2	7		Stand was regenerated in 2005, the white oak was left and is now super canopy. Most of the oak and maple are stump sprouts, some are single stems less than 5' tall.
22	42220 - Natural Jack Pine	High Density Pole	13.2	52	51-80	Jack pine stand with some black oak, quaking aspen, red maple and trace ammounts of white oak.
23	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	8.8	18		Stand appears to have been regenerated 15-20 years. There are no harvest records. Jack pine is mixed throughout stand.
24	4125 - Black, N. Pin Oak	High Density Pole	25.9	25		Oak and aspen stand with red maple that was regenerated in 1987 ago. Stand is growing good, oak is mostly from stump sprouts.
25	42110 - Planted Red Pine	Low Density Log	47.4	72	1-50	Harvested as part of the red pine project in 2009. Prescription was to regenerate red pine naturally using the seedtree method. The understory was/is red maple and oak, there is no reportable red pine regeneration at this time. The red maple and oak are growing vigorously from stump sprouts the sedge is thick in most places. This combination prohibits red pine from regenerating.
26	42110 - Planted Red Pine	High Density Log	2.2	72	141-170	Small mature red pine stand with some white oak in the canopy and dense red maple understory just reaching into the canopy.
27	4130 - Aspen	High Density Sapling	9.1	18		Stand is mostly aspen and appears to have been regenerated 15-18 years ago. There are no harvest records.
28	4130 - Aspen	High Density Pole	14.6	41	81-110	Stand was regenerated in 1971. Scattered trace paper birch and fire scarred white pine stumps.
29	4125 - Black, N. Pin Oak	High Density Log	2.7	83	51-80	Small oak stand, healthy but poor quality with trace red pine and white pine.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	4131 - Aspen, Oak	High Density Sapling	20.7	7		Stand was regenerated in 2005. The white oak was left and is now in a super canopy position. Most of the regenerating oak is from sprouts but there is also single stem that is 3-5 feet tall.
31	42110 - Planted Red Pine	High Density Log	111.6	72	141-170	Healthy red pine stand that was harvested in 1994 by removing all merchantable trees except red pine. Stand is ready to be thinned. The crowns are healthy but crowding each other and diameter growth has slowed. There is some red pine regeneration in the old skid trails. The understory has red maple and oak and is dense in places. The part of the stand north of Vachon has more red maple.
32	4199 - Other Mixed Upland Deciduous	High Density Sapling	38.3	8		Mixed sapling size stand of oak, aspen, red maple, cherry and jack pine. The oak regen is from stump sprouts and single stem although the sprouts are taller. The aspen is in pockets which are scattered. The stand was originally two stands of different age classes but were combined because they are similar. The year of origin for the north part is 1994 and the south part is 2004.
33	4131 - Aspen, Oak	Low Density Pole	2.3	25		Small stand that looks like it was used as a landing in the past. The trees are of several age classes but most appear to be around 20-30 years.
34	42110 - Planted Red Pine	High Density Log	37.3	70	111-140	Nice red pine stand, trees have full canopies that are getting crowded. Stand should have been thinned in previous rotations to maintain the vigorous growth. Understory is red maple and oak, dense in places.
35	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	81.3	6		Stand was clearcutin 2006. Slash is light. Planted to jack pine which is ~3 feet tall, trace red pine is mixed in which is~1 foot tall.
36	4131 - Aspen, Oak	High Density Log	17.9	54	51-80	Stand is poor quality aspen and oak with trace ammounts of red pine, there is more oak in the west part of the stand. The aspen is senescing. Red maple, oak and cherry saplings are growing in the understory.
37	4130 - Aspen	High Density Sapling	47.8	6		Stand was regenerated in 2006. Regeneration is dense in places and growth is vigorous.
38	6120 - Lowland Cedar	High Density Pole	37.8	120	51-80	Lowland white cedar and conifer swamp with some red maple and super canopy white pine. The red maple is on the higher ground and along the edges. The tamarack is unevenly distributed. Alder is mostly concentrated in the west half of the stand.
40	4130 - Aspen	High Density Sapling	22.3	6		Stand was clearcut in 2006. Planted to jack pine and red pine in 2007.
42	42290 - Natural Mixed Pine	High Density Log	6.1	60		Small stand with mixed red pine, jack pine and oak, large ammount of coarse woods debris.
43	4132 - Aspen, Jack Pine	High Density Sapling	11.5	25		Seems to be a poor quality site. Stand was regenerated in 1987.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4311 - Pine, Aspen Mix	High Density Log	2.4	98	51-80	Small mixed upland stand with mature pine and aspen.
46	42220 - Natural Jack Pine	High Density Log	5.1	65	111-140	Natural mature jack pine stand that is falling apart with lots of CWD. This stand is good for diversity.
47	4130 - Aspen	High Density Pole	68.0	26	81-110	Stand was clearcut in 1986.
48	4199 - Other Mixed Upland Deciduous	High Density Sapling	24.0	26		Stand is two aged with oak overstory, the feature stand is aspen, maple and oak.
49	4130 - Aspen	High Density Sapling	36.0	18		Aspen stand that was regenerated in 1994.
50	4199 - Other Mixed Upland Deciduous	High Density Sapling	27.3	6		Stand was clearcut in 2006, some pine reserves were left.
52	4125 - Black, N. Pin Oak	High Density Log	6.8	95	51-80	Oak stand with red maple and pine. Looks to be two aged, the oak overstory is 95 years old with a second cohort of oak that is 10-30 years old.
53	42120 - Planted Jack Pine	High Density Sapling	83.4	25		25 year old jack pine plantation with trace red pine and red maple.
54	4131 - Aspen, Oak	High Density Sapling	4.2	30	51-80	Small aspen stand with oak.
56	4131 - Aspen, Oak	High Density Log	9.5	87	111-140	Mature aspen and oak stand with scattered super canopy red and white pine. This stand is unique in the compartment

6 – Nonforested Stands

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6220 - Alder/willow	0.9	No	Unspecified	Mostly alder with some larch and paper birch.
39	6220 - Alder/willow	2.7	No	Unspecified	
41	50 - Water	13.9	N\A	Unspecified	Beaver flooding
45	6225 - Bog	4.2	N\A	Unspecified	Leatherleaf with grass along edge.
51	6220 - Alder/willow	20.8	N\A	Unspecified	
55	6225 - Bog	1.5	No	Unspecified	
57	6225 - Bog	1.4	No	Unspecified	
58	11 - Low Intensity Urban	20.5	N\A	Unspecified	Stand is road and power line.
59	6225 - Bog	1.3	No	Unspecified	

Data updated before 10:00 AM

7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments

8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.