



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 189 ENTRY YEAR: 2014

Compartment Acreage: 2631 County: Ogemaw

Revision Date: 08-06-2012

Stand Examiner: Ben Wiese

Legal Description: T22N R01E Sections 3, 4, 9, 10, 15 and 16

Management Area: Ogemaw Hills

Management Goals: Provide for sustainable ecosystem based management including forest products, wildlife and recreation. Maintain healthy and diverse forested stands.

Soil and Topography: Topography is hilly; gently rolling to steep. Upland soils include East Lake, Graycalm, Klacking, Mancelona, Melita, Menominee and Rubicon sands, Nester sandy loam, Montcalm and Isabella loamy sandy. Geomorphology is glacial outwash 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: None noted

Archeological, Historical, and Cultural Features: Archeological site located in section three.

Special Management Designations or Considerations: None noted

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 throughout the compartment utilizing county roads and various forest roads located along most quarter-quarter lines.

Survey Needs: None at this time

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

Fire Protection: Cover types include red pine, mixed conifer, oak and mixed upland types. Potential wildfire risk ranges from low to extreme.

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**

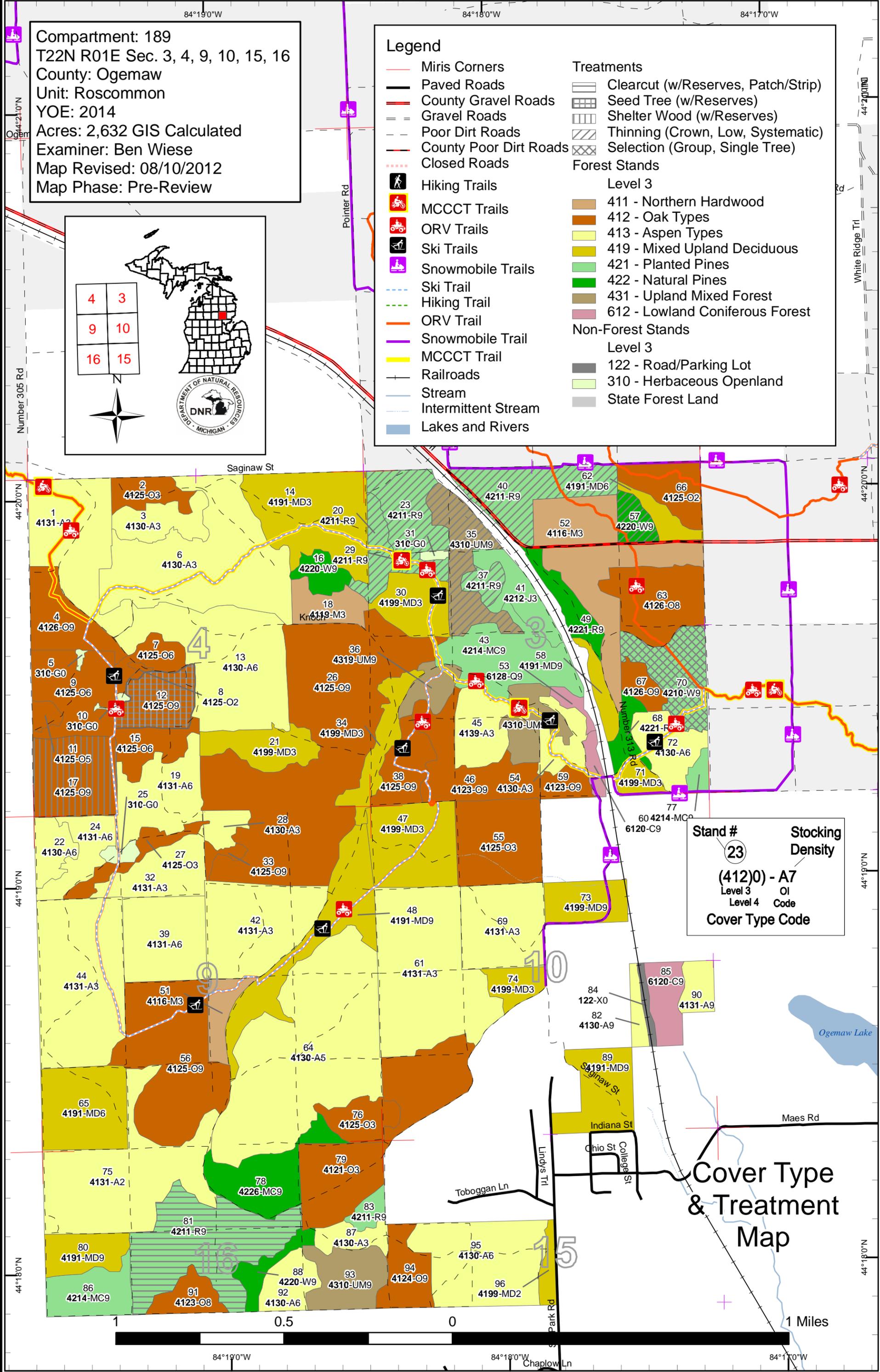
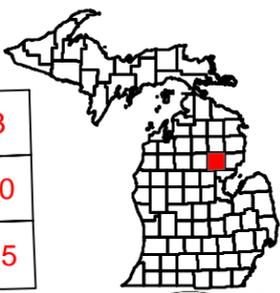
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

Compartment: 189
 T22N R01E Sec. 3, 4, 9, 10, 15, 16
 County: Ogemaw
 Unit: Roscommon
 YOE: 2014
 Acres: 2,632 GIS Calculated
 Examiner: Ben Wiese
 Map Revised: 08/10/2012
 Map Phase: Pre-Review

Legend

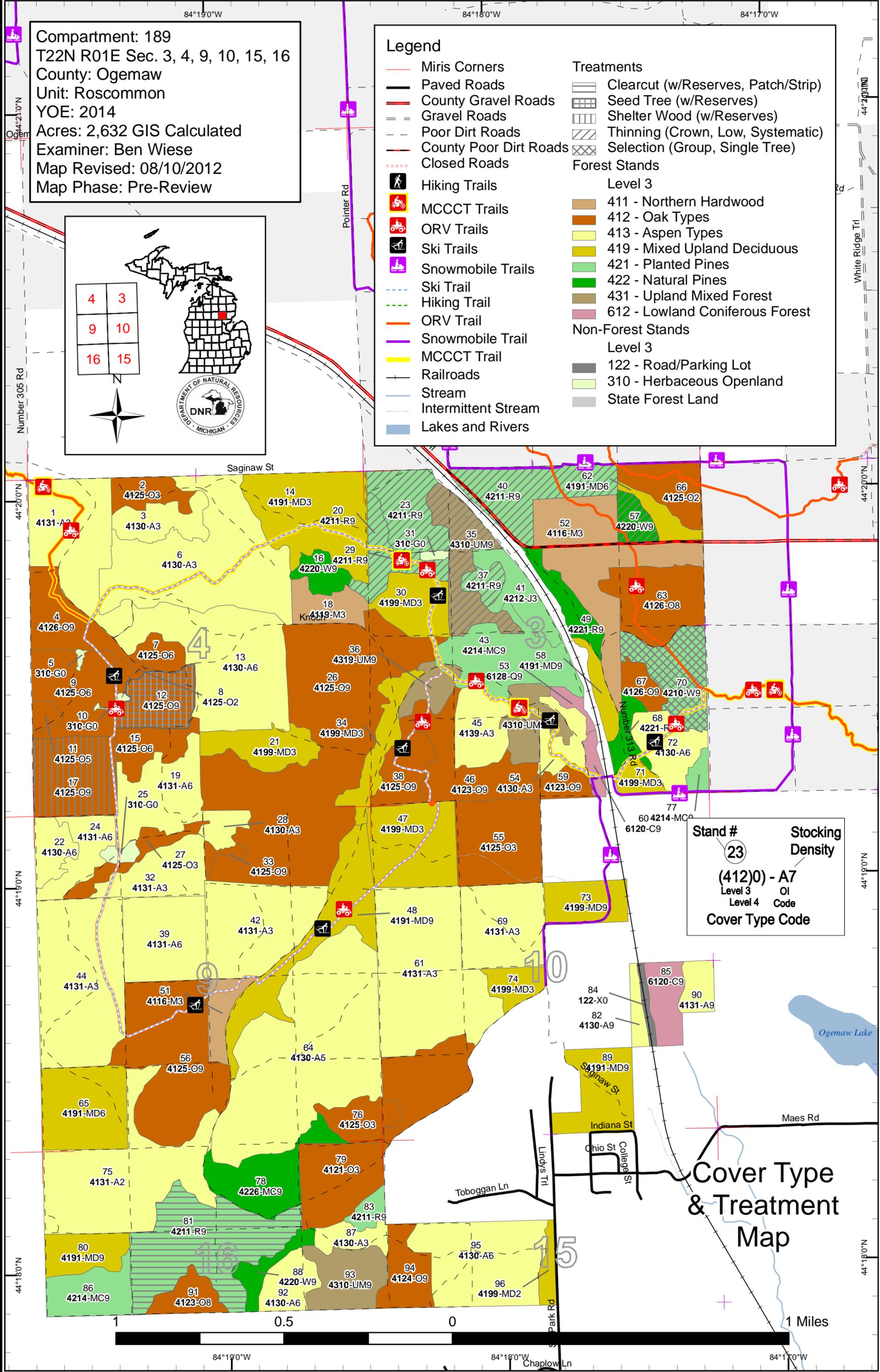
— Miris Corners	Clearcut (w/Reserves, Patch/Strip)
— Paved Roads	Seed Tree (w/Reserves)
— County Gravel Roads	Shelter Wood (w/Reserves)
— Gravel Roads	Thinning (Crown, Low, Systematic)
— Poor Dirt Roads	Selection (Group, Single Tree)
— County Poor Dirt Roads	
— Closed Roads	
Hiking Trails	Forest Stands
MCCCT Trails	Level 3
ORV Trails	411 - Northern Hardwood
Ski Trails	412 - Oak Types
Snowmobile Trails	413 - Aspen Types
— Ski Trail	419 - Mixed Upland Deciduous
— Hiking Trail	421 - Planted Pines
— ORV Trail	422 - Natural Pines
— Snowmobile Trail	431 - Upland Mixed Forest
— MCCCT Trail	612 - Lowland Coniferous Forest
— Railroads	Non-Forest Stands
— Stream	Level 3
— Intermittent Stream	122 - Road/Parking Lot
— Lakes and Rivers	310 - Herbaceous Openland
	State Forest Land

4	3
9	10
16	15

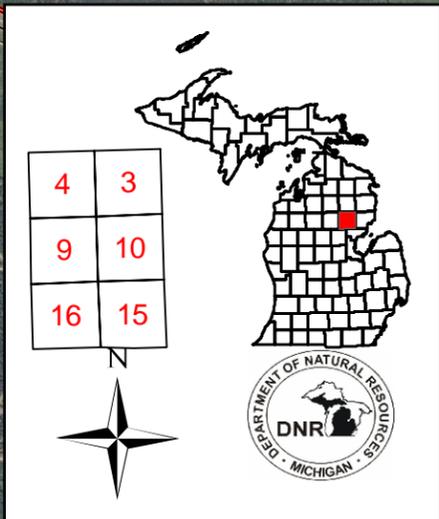


Stand #	Stocking Density
23	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	

Cover Type & Treatment Map



Compartment: 189
 T22N R01E Sec. 3, 4, 9, 10, 15, 16
 County: Ogemaw
 Unit: Roscommon
 YOE: 2014
 Acres: 2,632 GIS Calculated
 Examiner: Ben Wiese
 Map Revised: 08/10/2012
 Map Phase: Pre-Review

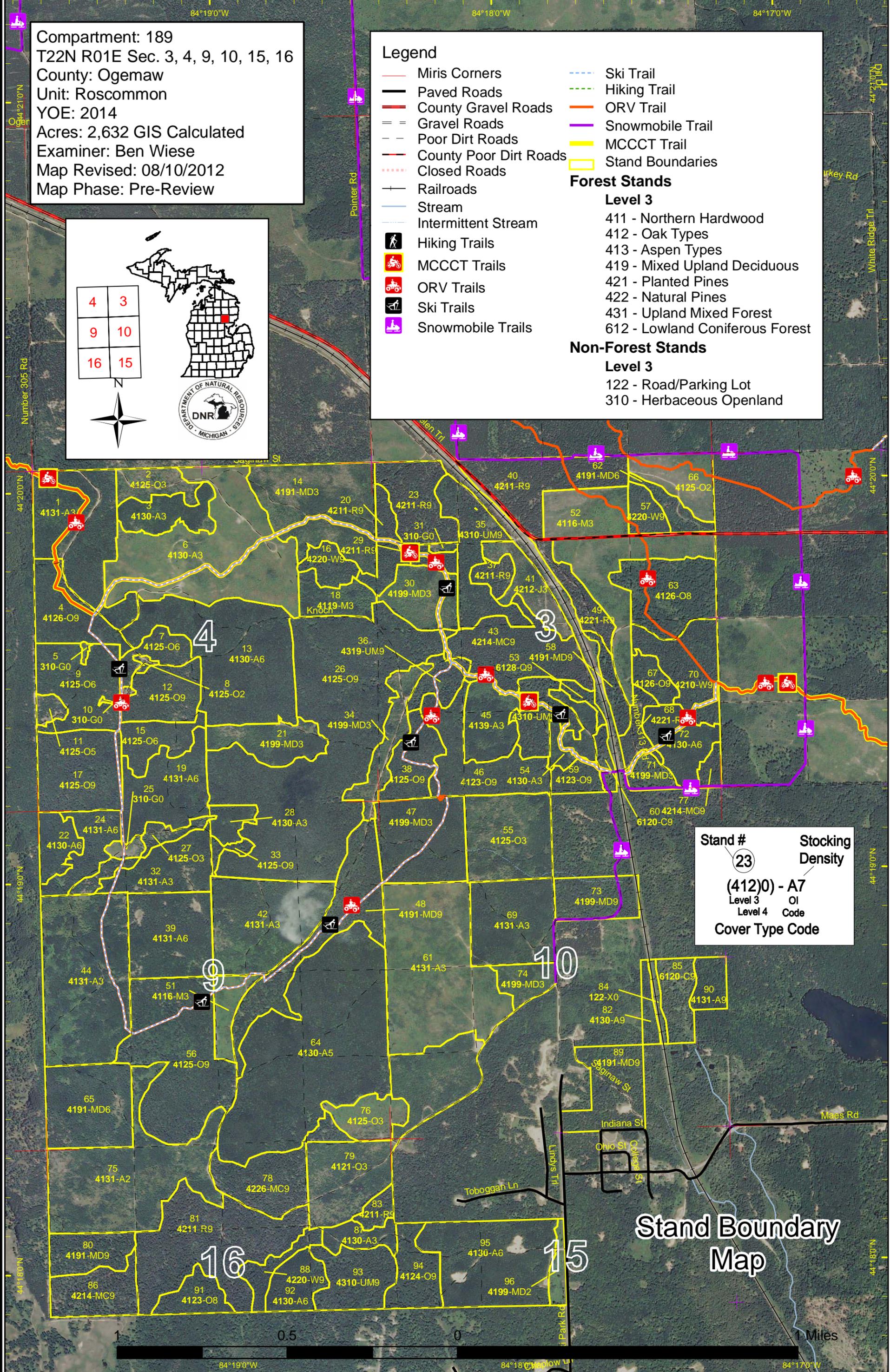


Legend

- Miris Corners
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Closed Roads
 - Railroads
 - Stream
 - Intermittent Stream
 - Hiking Trails
 - MCCCT Trails
 - ORV Trails
 - Ski Trails
 - Snowmobile Trails
 - Ski Trail
 - Hiking Trail
 - ORV Trail
 - Snowmobile Trail
 - MCCCT Trail
 - Stand Boundaries
- 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**
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland

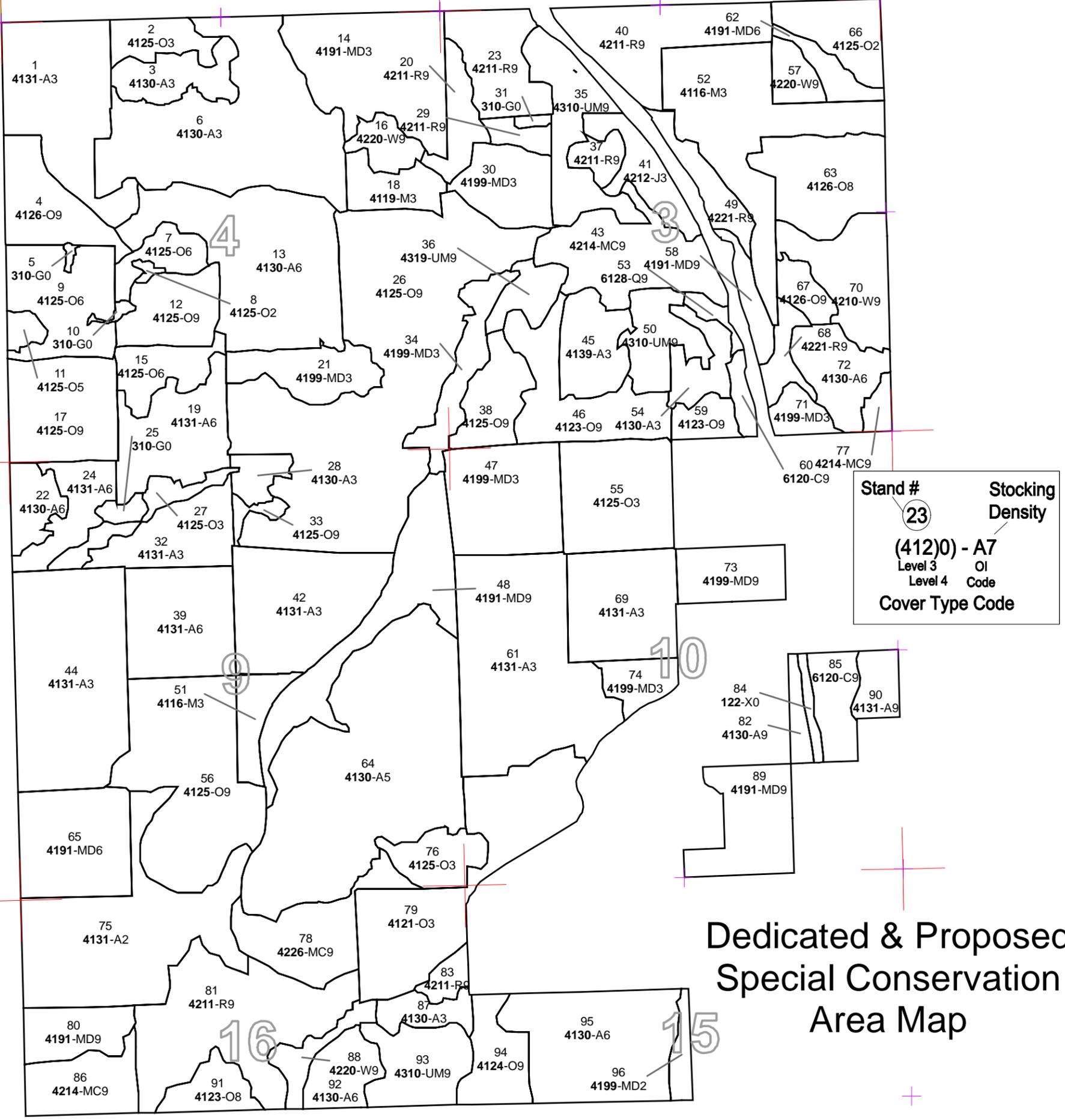
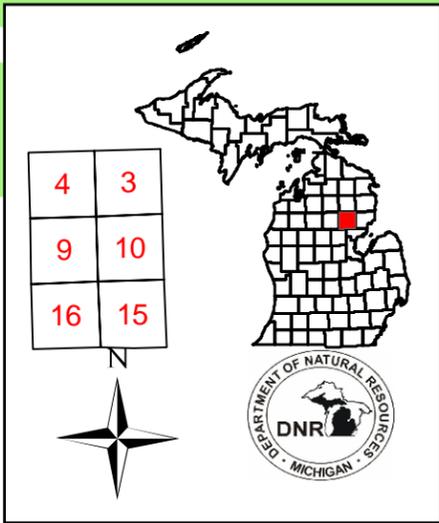
Stand # **23**
 Stacking Density
(4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Stand Boundary Map



Compartment: 189
 T22N R01E Sec. 3, 4, 9, 10, 15, 16
 County: Ogemaw
 Unit: Roscommon
 YOE: 2014
 Acres: 2,632 GIS Calculated
 Examiner: Ben Wiese
 Map Revised: 08/10/2012
 Map Phase: Pre-Review

- Legend**
- Miris Corners
 - Stand Boundaries
 - 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
 - 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - Dedicated Special Conservation Areas**
 - Kirtland Warbler Habitat



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

Dedicated & Proposed Special Conservation Area Map

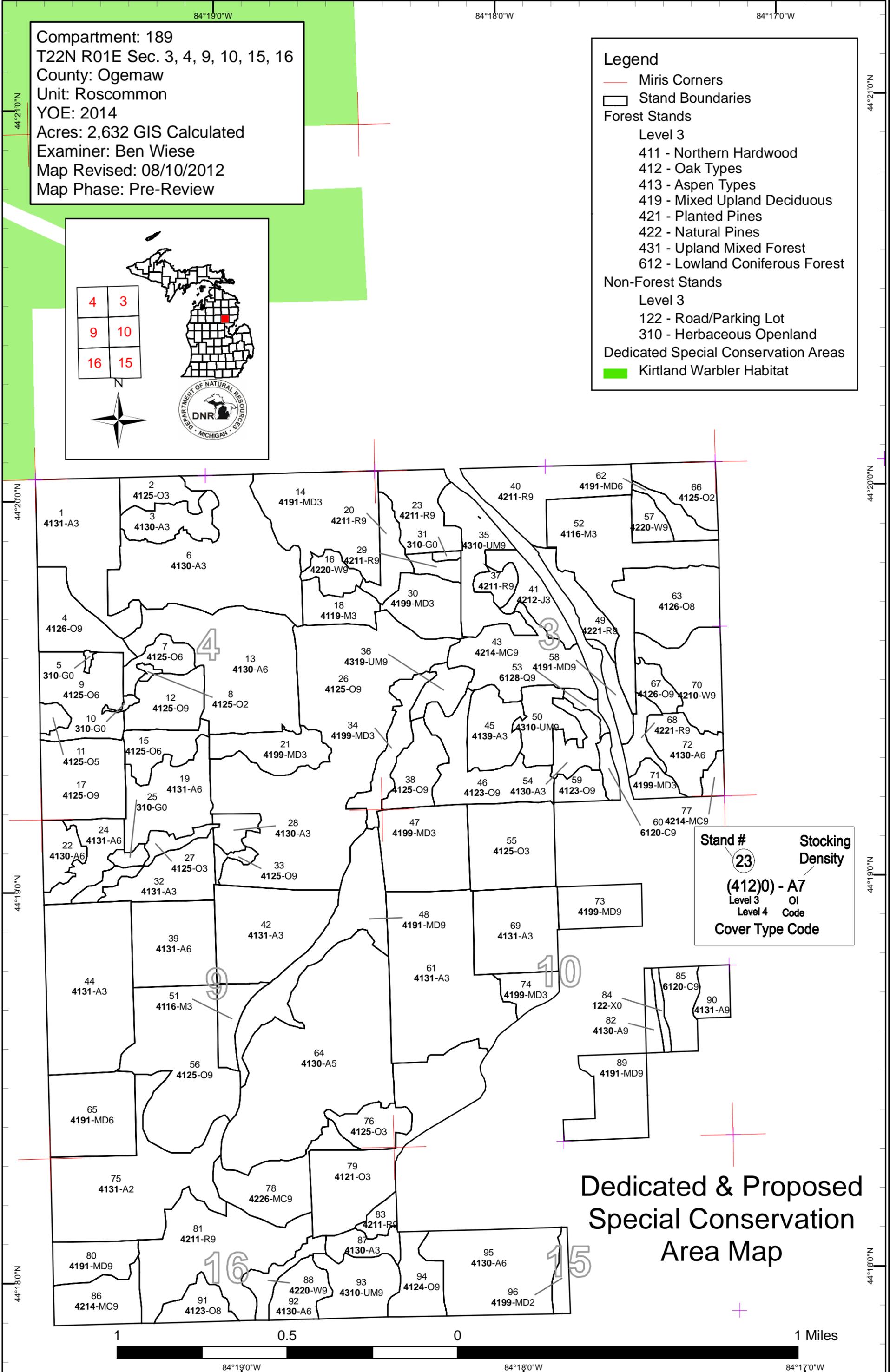


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Uneren Age
Aspen	89	308	242	333	22	0	6	0	9	0	0	0	0	0	1009
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	20	0	20
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Mixed Upland Deciduous	8	135	49	40	0	8	0	0	37	45	0	30	0	0	352
Natural Mixed Pines	0	0	0	0	0	0	31	0	0	0	0	0	0	0	31
Northern Hardwood	76	0	14	0	0	0	0	0	0	0	0	0	0	0	90
Oak	35	121	51	27	0	0	0	26	60	344	27	12	0	0	702
Planted Mixed Pines	0	0	0	0	0	22	0	0	45	0	0	0	0	0	67
Red Pine	0	0	0	0	0	0	0	19	167	0	0	0	0	0	186
Upland Mixed Forest	0	0	0	0	0	0	30	25	30	0	0	0	0	0	84
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	10	10	0	39	0	0	0	0	0	58
Total	218	580	357	400	22	40	76	69	388	389	27	42	24	0	2632



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2014

Compartment 189
Total Compartment Acres: 2632

Acres by Treatment Type

Commercial Harvest - 257	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 30	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

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>
Oak	0	0	22	37	0	0	60
Red Pine	69	0	0	0	90	0	159
Upland Mixed Forest	0	0	0	0	30	0	30
White Pine	0	30	0	0	9	0	39
Total	69	30	22	37	129	0	287



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	71189012-Cut	22.3	4125 - Black, N. Pin Oak	High Density Log	85	111-140	Harvest	Seed Tree	4125 - Black, N. Pin Oak	Cmpt. Review Proposal
<u>Prescription</u> Seedtree harvest. Leave the best red and white oak. There are two stands in the northwest that could be used for landings.										
<u>Specs:</u>										
<u>Other Comments:</u> Stand is medium to poor quality with very little understory development. Should regenerate well to oak.										
<u>Next Steps:</u> Regen survey. If oak fail to regenerate adequately plant red pine.										
<u>Proposed Start Date:</u> 10/01/2013										
17	71189017-Cut	37.3	4125 - Black, N. Pin Oak	High Density Log	87	81-110	Harvest	Shelterwood	4126 - White, Black, N. Pin Oak	Cmpt. Review Proposal
<u>Prescription</u> Shelterwood. Leave the best formed, healthy, quality oak and dominant white pine. Promote oak stump sprouts and encourage the white pine and red maple understory. Protect the unerstory as much as practicable, much of it will be damaged but should reseed and resprout.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										
20	71189020-Cut	13.3	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	77	81-110	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to a residual basal area of 70-90. Leave the healthiest trees.										
<u>Specs:</u>										
<u>Other Comments:</u> The stand may already be at the target basal area in some places. The goal is to manage along with adjacent red pine stands.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										
23	71189023-Cut	26.4	42110 - Planted Red Pine	High Density Log	88	111-140	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to a residual BA of 80-90, Leave the best formed/crowned trees to promote sawlog growth.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										
29	71189029-Cut	5.4	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	78	81-110	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Thin to a residual basal area of 70-90. Select the poorest quality, poorest formed, small crowned trees first, regardless of species.										
<u>Specs:</u>										
<u>Other Comments:</u> Manage along with adjacent red pine stands.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	71189035-Cut	29.6	4310 - Pine, Oak Mix	High Density Log	69	111-140	Harvest	Low Thinning	4310 - Pine, Oak Mix	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to 70-90 basal area. Do not target any one species, leave the best formed and healthiest trees, keep stand mixed.										
<u>Specs:</u>										
<u>Other</u> Jack pine that is left will eventually die and become CWD.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
37	71189037-Cut	6.7	42110 - Planted Red Pine	High Density Log	88	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Crown thinning, leave the best formed and healthiest trees, residual basal area of 70-90. Open the canopy to allow the understory to develop.										
<u>Specs:</u> Create regeneration gaps.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
40	71189040-Cut	38.6	42110 - Planted Red Pine	High Density Log	88	141-170	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to a residual basal area of 90-110, leave the best formed healthy trees.										
<u>Specs:</u>										
<u>Other</u> Possible landing in the corner of the L, can also deck along the forest roads.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
57	71189057-Cut	8.8	42200 - Natural White Pine	High Density Log	88	141-170	Harvest	Low Thinning	42100 - Planted White Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin from below to 70-90 ba, leave the biggest, best trees.										
<u>Specs:</u>										
<u>Other</u> Damage to the understory is acceptable. Possible goshawk nesting site, contact biologist prior to setting up harvest.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
70	71189070-Cut	29.8	42101 - Planted White Pine, Mixed Deciduous	High Density Log	88	111-140	Harvest	Single Tree Selection	42101 - Planted White Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Use a selection harvest to begin uneven aged management. Thin to a residual basal area of 70-90. Try to harvest the poorly formed, suppressed, small canopy trees first. Create some regen openings.										
<u>Specs:</u>										
<u>Other</u> ORV trail through stand.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										

**Table 3 -- Treatments Prescribed
with No Limiting Factor**

S
t
a
n
d

	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
81	71189081-Cut	68.7	42110 - Planted Red Pine	High Density Log	87	111-140	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Regenerate stand. Clearcut with reserves. Leave the larger aspen for future cwd. Chip slash to facilitate site prep. Plant red pine.
Specs:

Other The red pine has reached economical maturity, there is very little understory development.
Comments:

Next Site prep. Plant red pine.
Steps:

Proposed
Start Date: 10/01/2013

**Total Treatment
 Acreage Proposed: 286.8**

S
t
a
n
d

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
Acres 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
<u>Prescription</u> <u>Specs:</u>									
<u>Other</u> <u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
<u>Proposed</u> <u>Start Date:</u> #Error									

**Total Treatment
Acreage Proposed: 0**



Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 189	Year of Entry: 2014
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	4131 - Aspen, Oak	High Density Sapling	55.2	28		Aspen and mixed deciduous stand that was regenerated in 1984. The south part of the stand was merged with another stand that was regenerated in 1976.	
2	4125 - Black, N. Pin Oak	High Density Sapling	12.5	16		The stand was regenerated in 1996. The canopy is mixed oak with aspen, there is a small ammount of large diameter slash remaining.	
3	4130 - Aspen	High Density Sapling	17.7	16		Aspen stand that was regenerated in 1996. There is no understory development in the places where the canopy is very dense.	
4	4126 - White, Black, N. Pin Oak	High Density Log	25.7	77	81-110	Mixed oak stand with scattered large bgtooth aspen. There are some good quality oak sawlogs, most are poor.l	
6	4130 - Aspen	High Density Sapling	92.0	15		Stand was regenerated in 1997. Several large areas where the regen is sparse and does not meet criteria for being forested. The sedge is thick.	
7	4125 - Black, N. Pin Oak	High Density Pole	11.4	38	51-80	Oak stand that was regenerated in 1974. Seems to be a poor site for oak, there is a small ammount of red pine in the stand that is outcompeting the oak.	
8	4125 - Black, N. Pin Oak	Medium Density	1.3	10		Small stand that is being reforested, looks like an old landing site.	
9	4125 - Black, N. Pin Oak	High Density Pole	35.5	27	1-50	Oak stand that was regenerated in 1985. The oak and maple is mostly stump sprouts, there are pockets of bigtooth aspen.	
11	4125 - Black, N. Pin Oak	Medium Density Pole	4.1	25		Small oak stand.	
12	4125 - Black, N. Pin Oak	High Density Log	22.3	85	111-140	Oak stand, medium to poor log quality, the growth is slow. There is little growth in the understory.	
13	4130 - Aspen	High Density Pole	77.4	36	81-110	Pole sized aspen stand with red maple and oak.	
14	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	55.9	16		Stand was regenerated in 1996. Red pine planted and also some jack pine in 1996-97 C71-566. Some large diameter slash remains undecayed. The cherry height and density is variable. The red pine is stsrtn to grow good and should be more dominant in the canopy next inventory.	
15	4125 - Black, N. Pin Oak	High Density Pole	15.9	36			
16	42200 - Natural White Pine	High Density Log	9.6	58	111-140	White pine stand with red maple, appears natural, multi aged. Most of the white pine originated from a few seed tree. Nice red maple logs.	

S
t
a
n
d

Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 189
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4125 - Black, N. Pin Oak	High Density Log	37.3	87	81-110	Medium quality oak stand there is good quality red oak and poor quality pin oak, the stand is hilly. Red maple of various sizes is present. The white pine understory ranges from low to full. The site quality increases from west to east and the understory composition transitions from white pine to red maple.
18	4119 - Mixed Northern Hardwoods	High Density Sapling	14.4	29		
19	4131 - Aspen, Oak	High Density Pole	34.8	36		
20	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	13.3	77	81-110	Red pine and oak stand with red maple poles just reaching into the canopy.
21	4199 - Other Mixed Upland Deciduous	High Density Sapling	21.3	16		Aspen maple stand that was regenerated in 1996, the slash is nearly decayed.
22	4130 - Aspen	High Density Pole	12.3	36		
23	42110 - Planted Red Pine	High Density Log	26.4	88	111-140	Red pine stand, it looks like the oak was removed. Good sawlogs, the understory is dense in places.
24	4131 - Aspen, Oak	High Density Pole	17.7	36		Oak and aspen with mixed deciduous, trace amounts of white pine.
26	4125 - Black, N. Pin Oak	High Density Log	168.3	98	111-140	Large healthy oak stand mixed with aspen and maple, the density and diameters vary with the site quality. There is white pine and red maple in the understory that is dense in some places.
27	4125 - Black, N. Pin Oak	High Density Sapling	11.0	24		
28	4130 - Aspen	High Density Sapling	7.7	16		Small bigtooth aspen stand that was regenerated in 1996.
29	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	5.4	78	81-110	Nice red pine stand with good sawlogs. Medium to poor quality oak is mixed.
30	4199 - Other Mixed Upland Deciduous	High Density Sapling	22.0	16		Stand was regenerated in 1996. Desirable species did not regenerate well. Mostly cherry.
32	4131 - Aspen, Oak	High Density Sapling	25.8	24		
33	4125 - Black, N. Pin Oak	High Density Log	3.4	97	1-50	Small oak and aspen stand with heavy red maple understory. The basal area is variable.
34	4199 - Other Mixed Upland Deciduous	High Density Sapling	18.7	17		Stand was regenerated in 1995. Super canopy red oak.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4310 - Pine, Oak Mix	High Density Log	29.6	69	111-140	Pine and oak stand with traces of log size red maple and quaking aspen. Slightly more oak in the south and more pine in the north. JP mortality
36	4319 - Mixed Upland Forest	High Density Log	11.0	88	1-50	Low density mixed pine, oak and red maple stand. Most of the jack pine is dead, red maple is getting established in the understory.
37	42110 - Planted Red Pine	High Density Log	6.7	88	111-140	Red pine stand, looks like the jack pine was removed. Good site, the red pine grew fast until the canopy closed. The east side slopes down it looks like the site quality is lower, the trees are smaller and the oak understory is a little more advanced.
38	4125 - Black, N. Pin Oak	High Density Log	18.9	101	111-140	Mixed oak stand with aspen and trace white pine. The understory density is variable and ranges from low to high.
39	4131 - Aspen, Oak	High Density Pole	39.5	36		
40	42110 - Planted Red Pine	High Density Log	38.6	88	141-170	Red pine plantation with trace amounts of jack pine, white pine and oak, growth has stagnated. An old railroad grade runs through the stand.
41	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	16.8	16		Jack pine plantation established in 1996, C71-565.
42	4131 - Aspen, Oak	High Density Sapling	52.3	24		
43	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	41.0	88	81-110	Red pine plantation that appears to been thinned at least 25 or more years age. The red pine is tall, there are large 30+ Diameter super canopy white pine. There is some log size bigtooth aspen unevenly distributed throughout the stand. The understory is relatively open for a mature stand.
44	4131 - Aspen, Oak	High Density Sapling	80.0	17		
45	4139 - Aspen, Mixed Deciduous	High Density Sapling	21.3	16		Stand regenerated in 1996.
46	4123 - Red Oak	High Density Log	35.2	97	141-170	Very nice healthy, red oak stand. It appears that there has been no previous management. A dominant red oak was cored and had 94 growth rings. The west part of the stand has higher quality red oak. The understory is relatively open in many areas. The white is more developed in the understory in the east part of the stand.
47	4199 - Other Mixed Upland Deciduous	High Density Sapling	40.9	27		Stand was regenerated in 1985
48	4191 - Mixed Upland Deciduous with Conifer	High Density Log	44.9	90		Planted rp and jp in 1925 wp planted in 1929. Looks like there was a Red pine shelterwood type harvest in the past, but it was unsuccessful at regenerating red pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	42210 - Natural Red Pine	High Density Log	12.8	88	81-110	Small red pine stand looks like a buffer between railroad tracks and a clearcut.
50	4310 - Pine, Oak Mix	High Density Log	18.9	88	81-110	Mixed pine and oak stand. Originally planted in 1924, the jack pine mortality is high. The stand is converting to red maple. There is a low pocket in the north part of the stand with cedar.
51	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	11.7	6		Stand was regenerated in 2006.
52	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	64.3	7		Stand was regenerated in 2005. Planted red pine, which is being outcompeted in many places.
53	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	3.6	207	81-110	Lowland stand with large mature white pine and cedar. A small creek runs through the stand. The maple is multi aged.
54	4130 - Aspen	High Density Sapling	13.0	20		Aspen stand that appears to have been regenerated around 1992
55	4125 - Black, N. Pin Oak	High Density Sapling	40.8	16		Planted to rp and jp in 1924, TSI in 1964. Regenerated in 1996.
56	4125 - Black, N. Pin Oak	High Density Log	74.7	90	111-140	Healthy oak stand with red maple and white pine understory. Appears to have had no previous management.
57	42200 - Natural White Pine	High Density Log	8.8	88	141-170	White pine plantation with dense single stem red maple understory, just reaching canopy in some places. Possible Goshawk nesting site. The white canopy is very dense.
58	4191 - Mixed Upland Deciduous with Conifer	High Density Log	8.3	50		Stand is likely at least two-aged. Transition to lowland in the north. The red maple is multi aged. There is large super canopy white pine.
59	4123 - Red Oak	High Density Log	8.2	97	141-170	Red oak stand, appears to have little to no previous management.
60	6120 - Lowland Cedar	High Density Log	5.1	180	51-80	White pine and cedar stand alongside railroad tracks.
61	4131 - Aspen, Oak	High Density Sapling	89.4	6		Stand was regenerated in 2006.
62	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.4	28		Stand was regenerated in 1984.
63	4126 - White, Black, N. Pin Oak	Medium Density Log	35.5	96	51-80	Mixed oak stand, Looks like there was shelterwood or heavy thinning 10-15 years ago. The stand is now two-aged, oak, maple and aspen regen is dense.
64	4130 - Aspen	Medium Density Pole	136.1	36		Aspen stand that was regenerated in 1976. Trace red and white pine.

S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 189	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
65	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	39.6	36			ASpen stand with a pocket of white pine in the NE part of the stand.
66	4125 - Black, N. Pin Oak	Medium Density	20.0	7			Stand was regenerated in 2005. Trenched and planted to red pine. Oak regen is mostly from single stems.
67	4126 - White, Black, N. Pin Oak	High Density Log	8.1	108	81-110		Mature oak stand, the trees are large and healthy, the density is uniform. Super canopy white pine. The stand appears to have been harvested years ago using a shelterwood or heavy thinning.
68	42210 - Natural Red Pine	High Density Log	8.6	88	81-110		Red pine plantation looks to have been previously harvested.
69	4131 - Aspen, Oak	High Density Sapling	39.5	28			White pine planted in 1929 at a density of 100 tpa. Stand was regenerated in 1985.
70	42101 - Planted White Pine, Mixed Deciduous	High Density Log	29.8	88	111-140		Nice white pine with a mix of oak. Potential to grow large white pine. There is trace quaking aspen.
71	4199 - Other Mixed Upland Deciduous	High Density Sapling	7.8	9			Stand was seedtree harvested 8-10 years ago. Stand is now two aged with a pin oak overstory, some of which are senescing.
72	4130 - Aspen	High Density Pole	21.6	40	81-110		Aspen stand that was regenerated....check prev. inventory
73	4199 - Other Mixed Upland Deciduous	High Density Log	19.7	80	81-110		Mixed oak stand that is surrounded by private on 3 sides. Looks like some previous harvest activity since the red maple is mostly from stump sprouts. Elevation drops to the east to a lowland which is mostly aspen and maple.
74	4199 - Other Mixed Upland Deciduous	High Density Sapling	10.7	17			NP JP WP planted in 1925, Stand was regenerated in 1995.
75	4131 - Aspen, Oak	Medium Density	79.0	17			Planted to red pine in 1994 C71-559.
76	4125 - Black, N. Pin Oak	High Density Sapling	15.0	6			Stand was regenerated in 2006. Frost damage to bracken fern and oak saplings.
77	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	4.4	88			Red and jack pine with aspen and oak. Quality improves to the east.
78	42260 - Natural Pine, Mixed Deciduous	High Density Log	31.3	62	51-80		Mature stand of red pine, white pine, oak and aspen. RP JP planted in 1925 according to records. Three dominant red pines were cored all had 56 growth rings.
79	4121 - Oak, Aspen	High Density Sapling	66.1	17			Stand was regenerated in 1995, red pine was planted in 1995, C71-557.
80	4191 - Mixed Upland Deciduous with Conifer	High Density Log	17.7	85	141-170		Mixed pine, oak, and aspen, RP JP planted in 1927. Subcanopy is open, relatively. BA has a wide range.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
81	42110 - Planted Red Pine	High Density Log	68.7	87	111-140	Nice red pine stand, planted in 1925. Looking at a core, and based on the current spacing, the stand appears to have had a PCT or TSI 40-45 years ago. The red pine is healthy with large crowns, most of it is good sawlog size. There is very little understory development.
82	4130 - Aspen	High Density Log	5.8	65		
83	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	5.7	87		RP JP planted in 1925
85	6120 - Lowland Cedar	High Density Log	15.1	170	171-200	The stand is mostly lowland with cedar and white pine. Some areas are slightly higher the white pine is larger and there is more red maple. Red pine is present in trace amounts. A small creek runs from west to east in the south part of the stand.
86	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	22.1	58	81-110	Mixed pine and oak with aspen, the RP and JP planted in 1927. According the growth rings the red pine is much younger, the year of origin is closer to 1960.
87	4130 - Aspen	High Density Sapling	10.0	17		
88	42200 - Natural White Pine	High Density Log	9.7	69	111-140	
89	4191 - Mixed Upland Deciduous with Conifer	High Density Log	30.0	110		JP WP planted in 1931 at a density of 200 tpa. The stand is mostly oak with pine and aspen, the oak sawlog quality is med to poor.
90	4131 - Aspen, Oak	High Density Log	9.4	86		Mature bigtooth aspen and oak stand, the trees are tall with large diameters. The stand is mostly aspen in the south and transitions oak/maple in the north, the stand could be split. Balsam fir in the subcanopy ranges from none to full.
91	4123 - Red Oak	Medium Density Log	12.2	116		Mature, healthy oak stand that appears to be unmanaged. Age is based on dominant core sample.
92	4130 - Aspen	High Density Pole	15.3	37		
93	4310 - Pine, Oak Mix	High Density Log	24.5	78	111-140	Mixed upland stand dominated by oak and white pine. There is a cohort of very large white pine legac trees. This is a multi-aged stand. The understory is mixed and the density ranges from light to full.
94	4124 - Red with White Oak	High Density Log	18.7	90	51-80	
95	4130 - Aspen	High Density Pole	56.5	28		Very dense aspen stand. NW part of stand is A9 with large red oak, white oak and bigtooth aspen.

S
t
a
n
d

Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 189
Year of Entry: 2014



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
96	4199 - Other Mixed Upland Deciduous	Medium Density	6.1	10		Oil well pad present.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	3102 - Grass	0.8	No	Unspecified	
10	3102 - Grass	1.2	N/A	Unspecified	Pine and oak moving in around the edges.
25	3102 - Grass	3.4	No	Unspecified	
31	3102 - Grass	1.4	N/A	Unspecified	
84	122 - Road/Parking Lot	3.5	N/A	Unspecified	



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.