

Roscommon Forest Management Unit Compartment Review Presentation

Compartment # 192 Entry Year: 2014 Compartment Acreage: 1768 County: Ogemaw

Revision Date: 8/7/2012

Stand Examiner: Jason Lewicki

Legal Description: T23N R01E Section 1, 2, 12 and 13

T23N R02E Section 7 and 18

Identified Planning Goals: Ogemaw Hills Eco-Regional Management Area

Management Goals: Maintain current age and species diversity in a range of early and late succession

ecosystems.

Soil and Topography: Terrain is mostly flat to gently rolling throughout except section 12 and 13 which are rolling and hilly. Soils on the uplands are almost primarily Greycalm sands. Soils on the lowlands consist of lupton muck.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership is mostly in large blocks separated by large blocks of private property. Private lands within the area contain a mix of seasonal and full time residents.

Unique, Natural Features: There is a Bald eagle nest identified in 2004 within section 2 and Common Loons within Clear Lake.

Archeological, Historical, and Cultural Features: There is a potential for a archeological site within section 1.

Special Management Designations or Considerations: None noted.

Watershed and Fisheries Considerations: Ambrose lake, Clear Lake and Townline Lake lie within the compartment boundaries.

Wildlife Habitat Considerations: Efforts should be made to maintain age class diversity within aspen types as well as maintain oaks for hard mast production.

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 200 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and the Marshall Sandstone. The Michigan Formation is quarried for gypsum and the Marshall has been used as a building stone elsewhere in the State. A gravel pit is located in Section 23 to the south and potential appears to be good. The Rose City Fields are located one mile to the north. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation. They are in secondary recovery operations

currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. Some of the State land in the compartment is currently leased.

Vehicle Access: There is good vehicle access to the compartment. There are multiple gravel county and forest roads. Rose City Road. lies on the compartments north boundary.

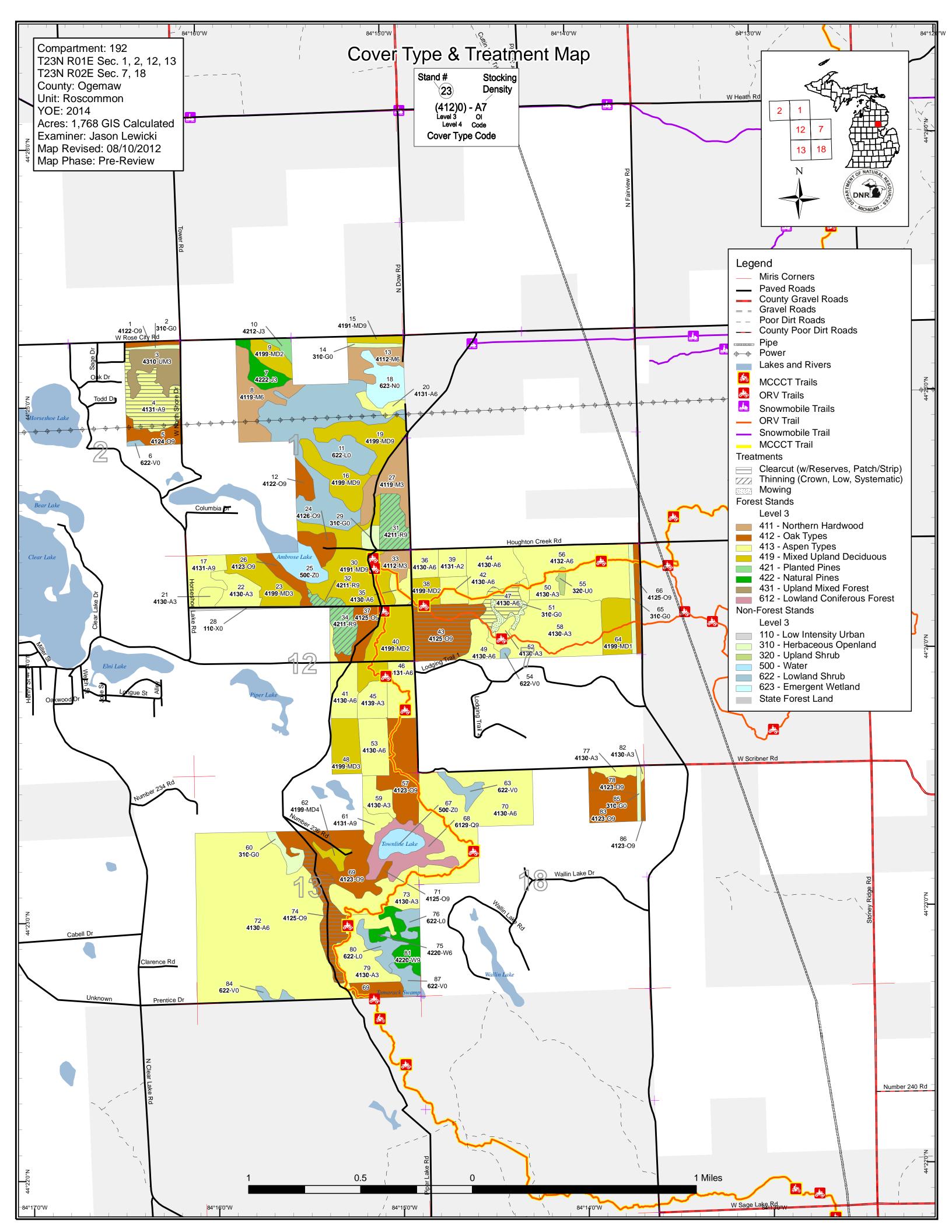
Survey Needs: No survey work currently needed.

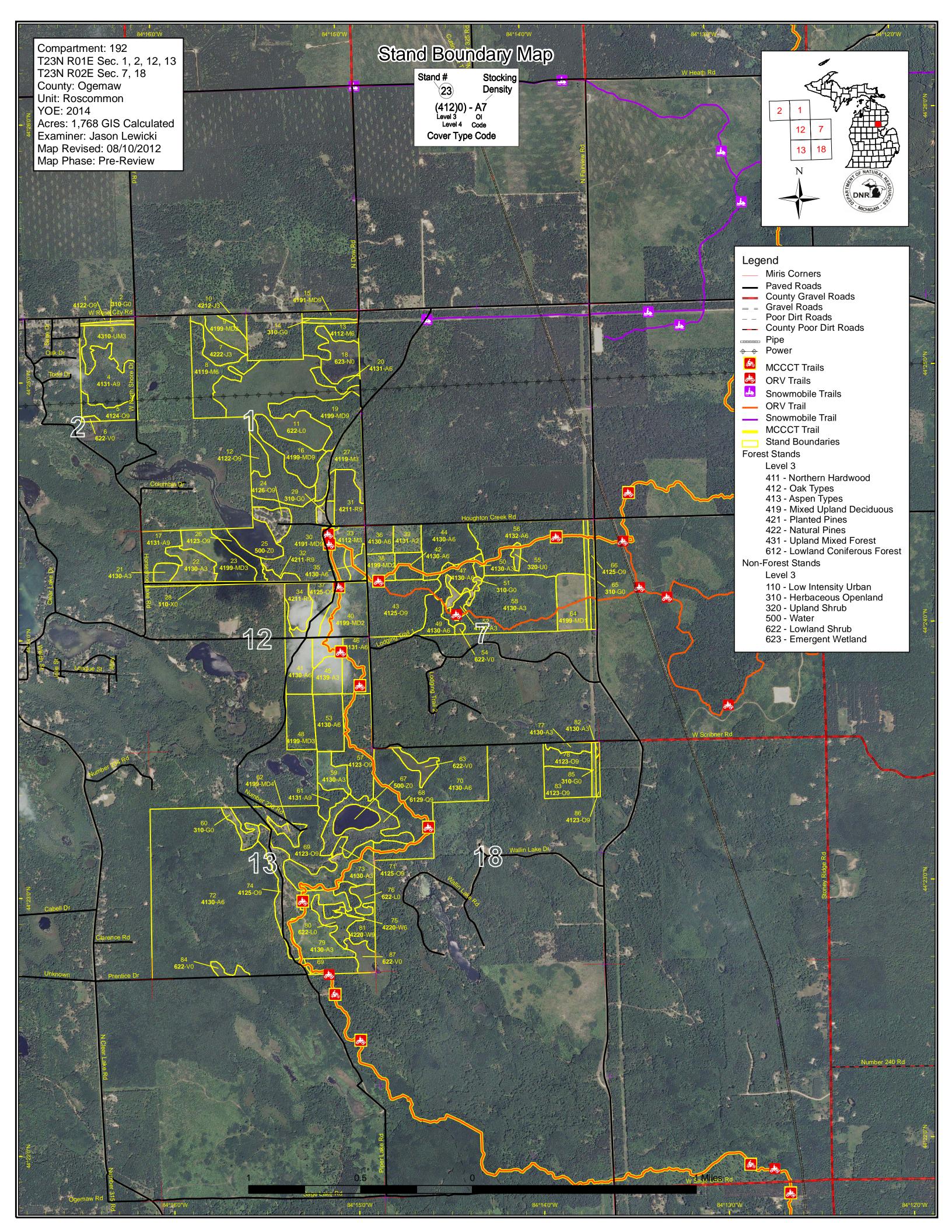
Recreational Facilities and Opportunities: Ambrose lake ORV trail runs through the compartment. Hunting and trapping opportunities are excellent with a mix of upland and lowland cover types. Ambrose Lake State Forest Campground and ORV trail head lie within compartment boundaries.

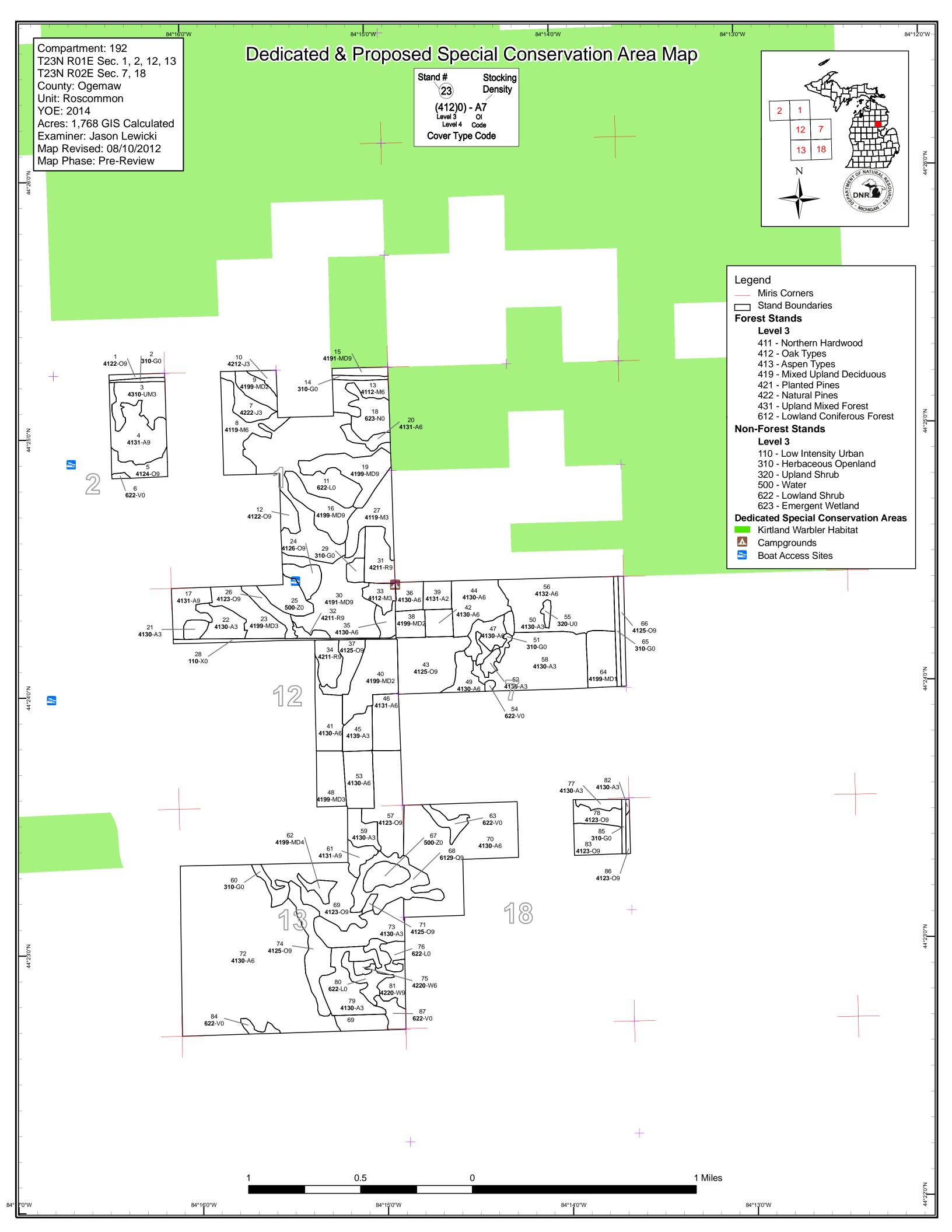
Fire Protection: There is a potential for large wildfires within this compartment and general area. Heavy pine cover types especially to the north and heavy recreational use warrant concern. There are areas with a high wildland/urban interface near private lands. This is within the West Branch DNR response area.

Additional Compartment Information: None

- > The following reports from the Inventory are attached:
 - **♦** Total Acres by Cover Type and Age Class
 - **♦** Proposed Treatment Summary
 - **♦** Proposed Treatments No Limiting Factors
 - **♦** Proposed Treatments With Limiting Factors
 - **♦** Stand Details (Forested and Nonforested)
 - **♦ Dedicated and Proposed Special Conservation Areas**
- **➤** The following information is displayed, where pertinent, on the attached compartment maps:
 - Base feature information, stand boundaries, cover types, and numbers
 - **♦** Proposed treatments
 - **♦** Details on the road access system







Jason Lewicki: Examiner



Age Class 700.708 70,79 10,0 NO. AS &Q. Ø, 80 80 70°× Aspen Bog Herbaceous Openland Jack Pine **Lowland Conifers** Lowland Shrub Marsh Mixed Upland Deciduous Northern Hardwood Oak Red Pine Upland Mixed Forest Upland Shrub Urban Water White Pine Total



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit

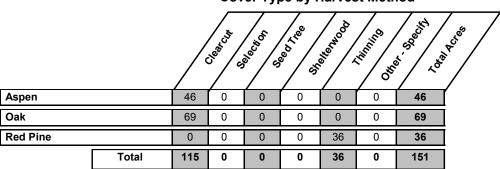
Compartment 192 Year of Entry 2014 **Total Compartment Acres: 1768**

Acres by Treatment Type

Commercial Harvest - 151 Site Prep - 0 Tree Planting - 0 Prescribed Burn - 0 Other - 0

Habitat Cut - 0 Tree Seeding - 0 Pesticide - 0 Opening Maintenance - 5

Cover Type by Harvest Method



Acres

Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 192 Year of Entry 2014

DNR DNR	SOURCES
Approval	

Name d 71192004-Cut

Treatment

32.7 4131 - Aspen, Oak

CoverType

Red Pine

High 75 Density Log

Size

Density

81-110

BA

Range

Harvest

Treatment

Type

Clearcut with Reserves

Treatment

Method

4130 - Aspen

Cover Type

Objective

Status Cmpt. Review Proposal

Prescription Final harvest and regenerate aspen. Leave scattered healthy oak. Favor white oak. Leave heavier oak retention along west side along Specs: seasonal homes. Possible survey needed.

Stand

Age

Other_

s t а

n

Comments:

<u>Next</u> Steps:

<u>Proposed</u>

10/01/2013 Start Date:

> 71192031-Cut 18.5 42110 - Planted

High Density Log

111-140

Harvest Crown Thinning 42110 - Planted Red Pine

Cmpt. Review Proposal

Prescription Thin stand by removing every 3rd row. Decent rows. Strip of oak, maple and jack pine on east side along road. leave as retention. Specs:

Other_

Comments:

<u>Next</u> Steps:

<u>Proposed</u>

Start Date: 10/01/2013

71192032-Cut

42110 - Planted 3.7 Red Pine

High Density Log 141-170

Crown Thinning Harvest

42110 - Planted Red Pine

Cmpt. Review Proposal

<u>Prescription</u> Thin stand by removing every 3rd row. Decent rows. Strip of oak, maple and jack pine on east side along road. leave as retention.

<u>Other</u> Comments:

<u>Next</u> Steps:

<u>Proposed</u>

10/01/2013 Start Date:

71192034-Cut

42110 - Planted Red Pine

High Density Log 141-170

Harvest

Crown Thinning

42110 - Planted Red Pine

Cmpt. Review Proposal

Prescription Thin stand by removing 1/3 the volume.(individual tree marking)

Specs:

Other Comments:

Next Steps:

Proposed

10/01/2013 Start Date:

43

71192043-Cut 42.8 4125 - Black, N. Pin High Oak

13.4

Density Log

85 81-110 Harvest

Clearcut with Reserves

4129 - Mixed Oak

Cmpt. Review Proposal

Prescription Final harvest/seed tree stand leaing a few large crowned mast trees per acre. Leave healthier oak retention in red oak areas. Protect white pine component. Manage for a mixed stand composing of oak aspen and red maple. Pland understocked areas to red pine if any. Specs:

Other

Comments:

Next Steps:

Proposed

10/01/2013 Start Date:

Table 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 192 Year of Entry 2014

a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
47	71192047-Cut	13.3	4130 - Aspen	High Density Pole	46	51-80	Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal

Prescription Final harvest and regenerate aspen. Leave a few pine/oak and maybe a patch of aspen for retention. ORV trail on north side of trail. Protect Specs: with appropriate cutting specs.

Other_

s

Comments:

<u>Next</u> Steps:

Proposed

10/01/2013 Start Date:

71192074-Cut 26.1 4125 - Black, N. Pin High 85 81-110 Harvest Clearcut with 4125 - Black, N. Pin Cmpt. Review Oak **Density Log** Reserves Oak Proposal

Prescription Final harvest and regenerate aspen. Leave a few pine/oak and maybe a patch of aspen for retention.

Specs:

Other_ Comments:

<u>Next</u> Steps:

Proposed

Start Date: 10/01/2013

NF 71192051-4.9 3102 - Grass Non-Forest Mowing 3102 - Grass Cmpt. Review NonFor Management Proposal

Prescription

Specs:

Other_

Comments:

<u>Next</u> Steps:

Proposed

Unspecified Start Date:

Total Treatment

155.4 Acreage Proposed:

Roscommon Mgt. Unit Table 4 -- Treatments Prescribed with Compartment: 192 a Limiting Factor s Year of Entry 2014 n Treatment **Acres** CoverType Size Stand BA **Treatment** Treatment **Cover Type Approval** Name Method Objective Status Density Age Range Type d #Error **Prescription** Specs: <u>Other</u> Comment: <u>Next</u> Steps: <u>Proposed</u> Start Date: #Error

Total Treatment Acreage Proposed:

Limiting Factor and No Treatment Reason

0

Out of YOE -- Treatments **Prescribed with No Limiting Factor**

Year of Entry: 2014

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

Prescription Specs:

<u>Other</u> Comments:

<u>Next</u> Steps:

Proposed

Start Date: #Error

> **Total Treatment** Acreage Proposed:

0

Roscommon Mgt. Unit				5 – Fo	orested Sta	rinds Compartment: 192 Year of Entry: 2014
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4122 - Oak, Pine	High Density Log	3.3	80	51-80	
3	4310 - Pine, Oak Mix	High Density Sapling	22.4	14		Jack pine plantation with heavy oak and cherry component.
4	4131 - Aspen, Oak	High Density Log	32.7	75	81-110	Stand of quaking aspen and black oak. Some white oak. North end is overmature quaking, south end contains more bigtooth aspen. Surrounded by PVT and som seasonal homes.
5	4124 - Red with White Oak	High Density Log	12.0	75	81-110	Some oak over 100 yrs
7	42220 - Natural Jack Pine	High Density Sapling	12.1	17		
8	4119 - Mixed Northern Hardwoods	High Density Pole	31.1	44	51-80	Red maple pole timber stand. Some wet areas. More red pine on NW side, aspen on south edge.
9	4199 - Other Mixed Upland Deciduous	Medium Density	11.3	6		Old fire which killed jack pine plantation. Now growing oak and cherry.
10	42120 - Planted Jack Pine	High Density Sapling	4.3	17		
12	4122 - Oak, Pine	High Density Log	7.2	85		
13	4112 - Maple, Beech, Cherry Association	High Density Pole	15.8	25	1-50	
15	4191 - Mixed Upland Deciduous with Conifer	High Density Log	5.7	80	51-80	
16	4199 - Other Mixed Upland Deciduous	High Density Log	23.3	80	51-80	
17	4131 - Aspen, Oak	High Density Log	17.4	39	51-80	Old black oak with a younger age class of aspen pole timber within it. Heavier to oak in the NE corner of the stand. Hold till next entry before regenerating.
19	4199 - Other Mixed Upland Deciduous	High Density Log	28.5	80	81-110	
20	4131 - Aspen, Oak	High Density Pole	6.4	35		
21	4130 - Aspen	High Density Sapling	5.2	14		Some low density areas with cherry and maple.
22	4130 - Aspen	High Density Sapling	15.4	14		

s t	Roscommor	Mgt. Unit		5 – Fo	orested Sta	nds Compartment: 192 Year of Entry: 2014
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4199 - Other Mixed Upland Deciduous	High Density Sapling	24.4	8		Aspen stand with heavy amounts of cherry and red maple.
24	4126 - White, Black, N. Pin Oak	High Density Log	10.6	85	51-80	Ambrose Lake State Forest Campground.
26	4123 - Red Oak	High Density Log	9.6	85	81-110	Stand Buffers clear cuts on the west side of ambrose lake.
27	4119 - Mixed Northern Hardwoods	High Density Sapling	25.4	8		Red maple stump sprouts with a few areas of aspen, Jack pine and scattered sawtimber white oak.
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	58.7	90	81-110	MIxed oak stand with scattered red and white pine. Thick understory of red maple and white pine. Mature white pine has excellent growth and form. Hold, no priority to regenerate.
31	42110 - Planted Red Pine	High Density Log	18.5	43	111-140	Plantation red pine that has never been thinned.
32	42110 - Planted Red Pine	High Density Log	3.7	55	141-170	Red pine plantation that has never been thinned
33	4112 - Maple, Beech, Cherry Association	High Density Sapling	9.0	9		Stand that was cut last entry with a 4" diameter cut leaving all sapling and small pole red maple. Many have crown die back or are left in a bent over position from tree felling, Sawtimber white oak were also left. Stand regenerated to stump sprout red maple. The old landing in now a stockyard for stumps.
34	42110 - Planted Red Pine	High Density Log	13.4	55	141-170	Red pine plantation that was thinned in the past.
35	4130 - Aspen	High Density Pole	6.9	55	81-110	
36	4130 - Aspen	High Density Pole	10.1	25	51-80	
37	4125 - Black, N. Pin Oak	High Density Log	14.3	85	111-140	Old low quality oak with some large red and white pin mixed in. Heavy advanced understory and poletimbercomponent of red maple. Stand would probably convert to red maple stumpsprouts if harvested.
38	4199 - Other Mixed Upland Deciduous	Medium Density	10.2	8		Stand was cut last entry and white oak and white pine were left. Low stocking of trees, High amounts of witch hazel in "canopy".
39	4131 - Aspen, Oak	Medium Density	10.1	8		Stand was cut last entry. White oak sawtimber was left along with some red maple under 4". low density/stocking throughout most of the stand. A few aspen clones and scattered red maple stump sprouts.
40	4199 - Other Mixed Upland Deciduous	Medium Density	36.3	14		

s t				5 – Foi	rested Sta	nds Compartment: 192 Year of Entry: 2014
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4130 - Aspen	High Density Pole	21.4	24	1-50	More maple and oak mixed with white pine on north end.
42	4130 - Aspen	High Density Pole	9.7	25	51-80	
43	4125 - Black, N. Pin Oak	High Density Log	42.8	85	81-110	Stand of old, overmature oak mixed with jack pine. A few ridge tops have better soil and contain red oak. Some white pine in understory with some making it into the canopy. Understory is mainly red maple and witch hazel. A few aspen clones.
44	4130 - Aspen	High Density Pole	30.6	25		
45	4139 - Aspen, Mixed Deciduous	High Density Sapling	13.7	8		Areas of solid red maple regen.
46	4131 - Aspen, Oak	High Density Pole	19.7	24	51-80	
47	4130 - Aspen	High Density Pole	13.3	46	51-80	Stand of mature quaking aspen in decline.
48	4199 - Other Mixed Upland Deciduous	High Density Sapling	20.0	Uneven Age		Nice mixed stand of red maple and red oak stump sprouts. Some entering poletimber size.
49	4130 - Aspen	High Density Pole	11.2	36	81-110	
50	4130 - Aspen	High Density Sapling	2.7	14		
52	4130 - Aspen	High Density Sapling	3.8	17	1-50	
53	4130 - Aspen	High Density Pole	20.9	24	51-80	
56	4132 - Aspen, Jack Pine	High Density Pole	70.7	36	1-50	Aspen/ pin oak stand that had open areas planted to jack pine. Look at splitting stand next entry and potentially regenerating the aspen
57	4123 - Red Oak	High Density Log	39.0	80	81-110	Red oak stand that was thinned in the past. Some steep hills and ridges. Heavy red maple stump sprouts in the understory. Heavy erosion on hills from illegal ORV damage.
58	4130 - Aspen	High Density Sapling	65.6	17		
	4130 - Aspen	High Density Sapling	11.6	7		
61	4131 - Aspen, Oak	High Density Log	7.6	85	111-140	Small stand to townline lake.

s t				5 – Fo	orested Sta	Compartment: 192 Year of Entry: 2014
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4199 - Other Mixed Upland Deciduous	Low Density Pole	5.5	30	1-50	
64	4199 - Other Mixed Upland Deciduous	Low Density Sapling	21.0	5		Red pine plantation with maple, cherry and aspen competition.
66	4125 - Black, N. Pin Oak	High Density Log	7.4	40	51-80	More jack pine on N. end, better oak on south end
68	6129 - Mixed Coniferous Lowland Forest	High Density Log	27.4	80	81-110	Lowland conifer swamp surrounding townline lake.
69	4123 - Red Oak	High Density Log	51.6	85	81-110	Nice red oak stand mixed with some nice sawtimber red maple and bigtooth aspen.
70	4130 - Aspen	High Density Pole	106.4	24	81-110	
71	4125 - Black, N. Pin Oak	High Density Log	1.9	80		Small low quality oak stand on a ridge that overlooks townline lake.
72	4130 - Aspen	High Density Pole	253.3	42	81-110	
73	4130 - Aspen	High Density Sapling	31.4	14		
74	4125 - Black, N. Pin Oak	High Density Log	26.1	85	81-110	Thin narrow stand of old pin/black oak. Heavy red maple and cherry understory. Oak is old and in decline. Areas of heavy mortality possibly from two lined chestnutt borer?? A few scattered pine.
75	42200 - Natural White Pine	High Density Pole	2.9	55	81-110	
77	4130 - Aspen	High Density Sapling	5.1	14		
78	4123 - Red Oak	High Density Log	10.2	80	51-80	
79	4130 - Aspen	High Density Sapling	31.4	7		
81	42200 - Natural White Pine	High Density Log	15.1	70	51-80	
82	4130 - Aspen	High Density Sapling	0.6	14		
83	4123 - Red Oak	High Density Log	18.5	80	111-140	

S t a n d	Roscomm	on Mgt. Unit		5 – Fo	orested Stands	Compartment: 192 Year of Entry: 2014	DNR DRAM
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
86	4123 - Red Oak	High Density Log	2.1	85	81-110		

Compartment: 192 Year of Entry: 2014



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:	MICHIGAN
2	3102 - Grass	2.3	No	Unspecified		
6	6225 - Bog	1.1	N\A	Unspecified		
11	6229 - Mixed lowland shrub	106.6	No	Unspecified		
14	3102 - Grass	3.0	No	Unspecified		
18	6239 - Mixed Emergent Wetland	18.7	N\A	Unspecified		
25	50 - Water	15.8	No	Unspecified		
28	11 - Low Intensity Urban	6.9	No	Unspecified		
29	310 - Herbaceous Openland	5.1	N\A	Unspecified		
51	3102 - Grass	4.9	Yes	High (NonForested)		
54	6225 - Bog	1.2	N\A	Unspecified		
55	3205 - Mixed Upland Shrub	2.4	N\A	Unspecified		
60	3102 - Grass	7.0	N\A	Unspecified		
63	6225 - Bog	7.5	N\A	Unspecified		
65	3102 - Grass	6.4	N\A	Unspecified		
67	50 - Water	12.0	N\A	Unspecified		
76	6229 - Mixed lowland shrub	6.2	N\A	Unspecified		
80	6229 - Mixed lowland shrub	10.4	N\A	Unspecified		
84	6225 - Bog	3.4	N\A	Unspecified		

6 - Nonforested Stands

Compartment: 192 Year of Entry: 2014



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
85	3102 - Grass	2.8	N\A	Unspecified	
87	6225 - Bog	7.7	N\A	Unspecified	

Compartment: 192 Year of Entry: 2014



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

Compartment: 192 Year of Entry 2014



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.

Conservation Area	on Type	Description	HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Concentrated Recreation Area	Facilities that are designed and maintained for routine or State Forest campgrounds, motorized and non-motorized access sites.	
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative at U.S. Fish and Wildlife service for the recovery of threater 365, Endangered Species Protection, of the Natural Resc PA 451, and the Federal Endangered Species Act of 197 species plans in various stages of review. As of now only Plover Habitat.	ned and endangered species, as governed by Part ources and Environmental Protection Act, 1994 3. This is an active program, with proposed