ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 199 ENTRY YEAR: 2012

Compartment Acreage: 3420 County: Ogemaw

Revision Date: 06-28-2010

Stand Examiner: Ben Wiese

Legal Description: T22N R3E sections 4, 5, 13, 14, 22; T22N R3E sections 21, 26, 27, 28, 33, 34, 35; T23N R4E sections 11, 14, 15, 16, 22; T24N R3E sections 34, 36; T24N R4E sections 31, 32, 33.

Management Area: Au Sable Outwash.

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

Soil and Topography: Combination of Histosols, mucky sand and sand. Flat moraines, till plains, broad moraine ridges, ice contact ridges, kettle lakes.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment Is extremely fragmented, private ownership on all sides except for parcel that borders Rifle River State Game Area.

Unique, Natural Features: Bald eagle in SE 1/4 section 15 (23N04E); additional records in SW 1/4 section 2 (23N04E) and in SE 1/4 section 2, SW 1/4 section 1, NE 1/4 section 11, and NW 1/4 section 12 (23N03E). Common loon* recorded on South Dease Lake (SE 1/4 section 11 and NE 1/4 section 14, 23N04E); numerous additional records in vicinity. Slippershell mussel* recorded in Rifle River (SE 1/4 of section 27 and NE 1/4 and SW 1/4 of section 34). Red-shouldered hawk just N in sections 23 and 14 (23N03E). Great blue heron rookeries to E and SE. Wood turtle in section 8 (23N03E). Blanding's turtle within 0.25 mile in NE 1/4 section 4 (22N03E) and SE 1/4 section 3 (23N03E); second record in NE 1/4 section 2 (23N03E). Historical spike-lip crater just outside in SW 1/4 section 36 (24N03E). False-violet record in section 13 (23N03E).

Archeological, Historical, and Cultural Features: None noted.

Special Management Designations or Considerations: None noted

Watershed and Fisheries Considerations: Rifle River and tributaries.

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

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 10 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation, Marshall Sandstone and Coldwater Shale. The Michigan is quarried for gypsum and the Marshall has been used as a

building stone. Most of the nearby gravel pits are associated with upland areas. The State lands are mostly lowlands and the gravel potential is thought to be limited. The Rose City Fields lie six miles to the northwest. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and 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. Logan field, Devonian Berea Sandstone, produced over 1.3 Bcf gas. It is located in T23N-R3 & 4E. None of the State land is currently leased.

Vehicle Access: Good in some areas, limited in others. Due to wet conditions and landlocked stands.

Survey Needs: None at this time

Recreational Facilities and Opportunities: Fishing, boating, hunting, hiking.

Fire Protection: Mostly lowland timber types.

Additional Compartment Information:

- **The following 5 reports from the Inventory are attached:**
  - **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 (North)

Compartment 199
T22N R3E Sec. 4, 5, 13, 14, 15, 22
T23N R4E Sec. 11, 14, 15, 16, 22
T23N R3E Sec. 21, 26, 27, 28, 33, 34, 35
T24N R4E Sec. 31, 32, 33
T24N R3E Sec. 34, 36
County: Ogemaw
Unit: Roscommon
YOE: 2012
Acres: 3,385 GIS Calculated
Stand Examiner: Ben Wiese
Map Revised: 08/27/2010
Map Phase: Pre-Review

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

1 4238-MC6
2 6120-C6
6 6124-Q6
10 4130-A6
11 4199-MD6
12 4126-O9
14 710-Y0
39 6120-C6
45 6120-C3
49 6120-C6
70 4130-A6
71 500-ZD
74 4130-A6
75 622-LO
76 4130-A6
77 4190-MD6
78 4130-A6
79 622-LO
80 4139-A6
82 622-V0
83 4130-A6
84 622-V0
85 6139-LM6
86 623-N0
87 4124-O9

Legend
- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Forest Stands
Level 3
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil

1 0.5 0 1 Miles

N

Michigan DNRE

Cover Type & Treatment Map (South)

Compartment 199
T22N R3E Sec. 4, 5, 13, 14, 15, 22
T23N R4E Sec. 11, 14, 15, 16, 22
T23N R3E Sec. 21, 26, 27, 28, 33, 34, 35
T24N R4E Sec. 31, 32, 33
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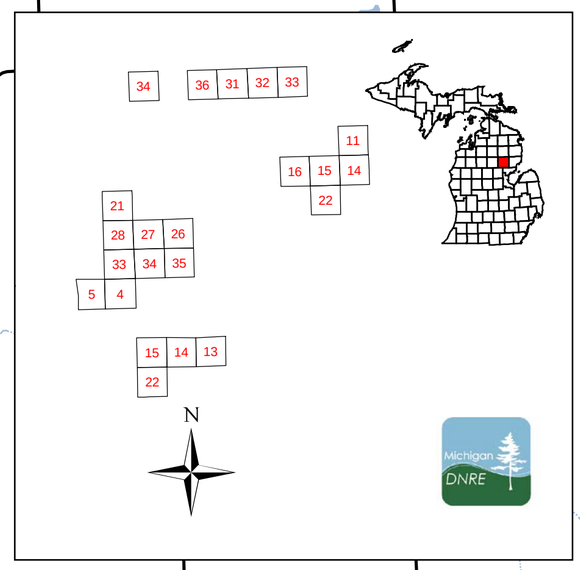
Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code



Legend

- Miris Corners
- Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)

Forest Stands

Level 3

- 413 - Aspen Types
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

Stand Boundary Map (North)

Compartment 199
T22N R3E Sec. 4, 5, 13, 14, 15, 22
T23N R4E Sec. 11, 14, 15, 16, 22
T23N R3E Sec. 21, 26, 27, 28, 33, 34, 35
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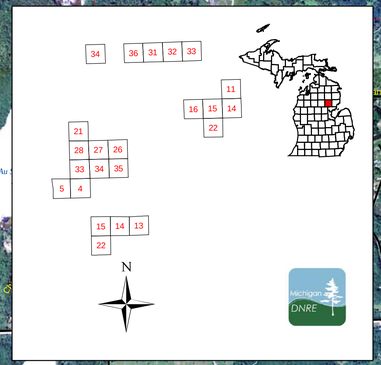

Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend
- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

Forest Stands
Level 3
412 - Oak Types
419 - Mixed Upland Deciduous
423 - Other Upland Conifers
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
500 - Water
622 - Lowland Shrub
623 - Emergent Wetland
710 - Sand, Soil

1 0.5 0 1 Miles

Stand Boundary Map (South)

Compartment 199
T22N R3E Sec. 4, 5, 13, 14, 15, 22
T23N R4E Sec. 11, 14, 15, 16, 22
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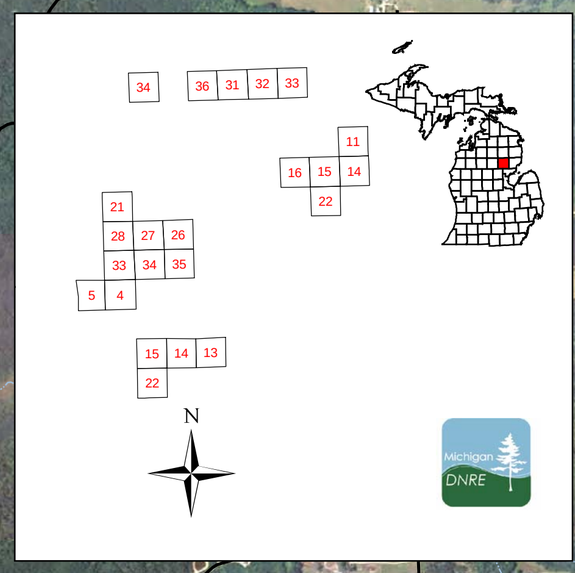

Legend

- 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)
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

Forest Stands

Level 3

- 413 - Aspen Types
- 422 - Natural Pines
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Non-Forest Stands

Level 3

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Dedicated & Proposed Special Conservation Area Map (North)

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T23N R3E Sec. 21, 26, 27, 28, 33, 34, 35
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T24N R3E Sec. 34, 36
County: Ogemaw
Unit: Roscommon
YOE: 2012
Acres: 3,385 GIS Calculated
Stand Examiner: Ben Wiese
Map Revised: 08/27/2010
Map Phase: Pre-Review

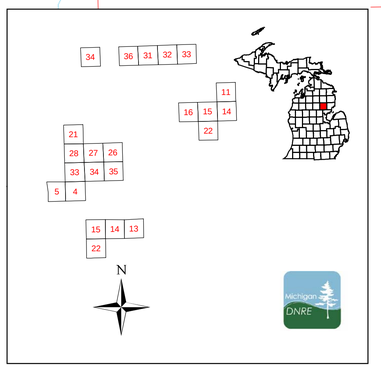
84°3'0"W 84°2'0"W 84°1'0"W 84°0'0"W 83°59'0"W 83°58'0"W 83°57'0"W 83°56'0"W 83°55'0"W
44°26'0"N 44°25'0"N 44°24'0"N 44°23'0"N

34 36 31 32 33

1 **4238**-MC6

2 **6120**-C6
6 **6124**-Q6
10 **4130**-A6
11 **4199**-MD6
12 **4126**-O9
14 **710**-Y0

39 **6120**-C6
45 **6120**-C3
49 **6120**-C6



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

11 14 15 16 21 22

82 **622**-V0
83 **4130**-A6
87 **4124**-O9
86 **623**-N0
85 **6139**-LM6
84 **622**-V0
77 **4190**-MD6
79 **622**-L0
80 **4139**-A6
70 **4130**-A6
74 **4130**-A6
71 **500**-Z9
75 **622**-L0
76 **4130**-A6
78 **4130**-A6
81 **622**-L0

Legend
- Miris Corners
- Remonumented Section Corners

Proposed Special Conservation Areas
- SCA - Special Conservation Area
- SCA Removal

Dedicated Special Conservation Areas
- Ecological Reference Areas
- Cold Water Lakes
- Cold Water Streams
- Boat Access Sites
- Natural Rivers Zoning District
- Natural Rivers Vegetative Buffer
- Stand Boundaries

Forest Stands

Level 3
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Dedicated & Proposed Special Conservation Area Map (South)

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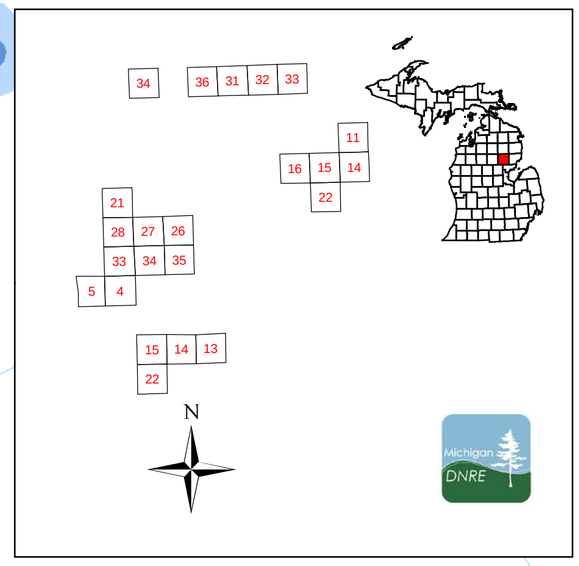

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- Miris Corners
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Proposed Special Conservation Areas
- SCA - Special Conservation Area
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Cold Water Streams
- Cold Water Streams
- Boat Access Sites
- Natural Rivers Zoning District
- Natural Rivers Vegetative Buffer
- Stand Boundaries

Forest Stands

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Table 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit **Compartment 199 Year of Entry 2012**

Data updated before 10:00 AM

Age Class

	Non-Forested	1-9	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	0	0	0	10	81	13	84	21	0	0	0	0	0	0	0	**209**
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7**
Cedar	0	0	0	0	0	0	0	34	223	5	6	0	0	260	0	**527**
Herbaceous Openland	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**57**
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
Lowland Aspen/Balsam Poplar	0	0	0	87	0	258	48	0	0	0	0	0	0	0	0	**393**
Lowland Conifers	0	0	0	0	20	0	7	11	295	0	0	0	0	154	0	**487**
Lowland Deciduous	0	0	0	0	44	10	145	186	0	0	0	0	0	0	0	**386**
Lowland Mixed Forest	0	0	0	0	0	113	366	0	0	0	0	0	0	0	0	**479**
Lowland Shrub	557	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**557**
Lowland Spruce/Fir	0	0	0	0	0	8	0	0	0	21	0	0	0	0	0	**30**
Marsh	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**56**
Mixed Upland Deciduous	0	0	0	0	0	18	25	0	0	0	0	0	0	0	0	**43**
Natural Mixed Pines	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	**6**
Oak	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	**12**
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Upland Conifers	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	**40**
Upland Mixed Forest	0	0	0	0	0	5	11	0	0	0	0	0	0	0	0	**16**
Upland Spruce/Fir	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	**10**
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4**
White Pine	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	**60**
Total	**688**	**0**	**0**	**97**	**145**	**436**	**747**	**257**	**557**	**32**	**12**	**0**	**0**	**414**	**0**	**3385**

Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Roscommon Mgt. Unit
Year of Entry 2012

Compartment 199
Total Compartment Acres: 3385

Acres by Treatment Type

Commercial Harvest - 85	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	0	0	18	0	0	0	**18**
Lowland Deciduous	66	0	0	0	0	0	**66**
Total	**66**	**0**	**18**	**0**	**0**	**0**	**85**

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
60	**71199060-Cut**	18.4	4136 - Aspen, Mixed Conifer	High Density Log	56	Harvest	Seed Tree with Reserves	Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: Seedtree with reserves. Leave basal area of 30 by selecting red oak and the best white pine and red maple. Spec aspen to cut. Where aspen is heavily concentrated residual ba will be lower.

Other Comments: This stand has some nice bigtooth aspen a mix of conifer and red maple and a small component of red oak.The stand borders upland and lowand, and has a mix of species it has good access on Peters Rd. There is some nice timber. This is the only stand like this in the compartment. There are some nice vigorous red oak.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61	**71199061-Cut**	66.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	60	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut all species except tamarack, paper birch and elm and spruce and fir under 4" dbh. Leave jack pine pocket in southwest corner. Leave spruce along south edge of stand out of sale boundary.

Other Comments: The stand is ready to cut, the aspen is declining. It is wet in some areas and may need to be harvested when frozen or in late summer.

Next Steps:

Total Treatment Acreage Proposed: 84.8

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error						

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Data updated before 10:00 AM

Out of YOE -- Treatments Prescribed with No Limiting Factor

Year of Entry: 2012

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status

Prescription Specs:

Other Comments:

Next Steps:

Total Treatment Acreage Proposed: **0**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	39.7	70		
2	6120 - Lowland Cedar	High Density Pole	126.9	70		
3	6115 - Lowland Ash	High Density Pole	31.0	55		
5	6120 - Lowland Cedar	High Density Pole	5.5	90		
6	6124 - Lowland Spruce-Fir	High Density Pole	235.9	70		
7	6120 - Lowland Cedar	High Density Pole	9.5	70		
8	6115 - Lowland Ash	High Density Pole	30.5	30		
10	4130 - Aspen	High Density Pole	13.0	40		
11	4199 - Other Mixed Upland Deciduous	High Density Pole	18.3	40		Nice young oak stand. Beech scattered in understory. Scattered large oak trees left over from previous harvest, per sale specs. oaks >10" were left. Hilly terrain.
12	4126 - White, Black, N. Pin Oak	High Density Log	6.9	97	111-140	Nice small mixed oak stand. Red maple understory along edges. Access through private.
13	6112 - Lowland Aspen	Medium Density Pole	24.3	45		Trace WP, spruce heaviest along edges.
16	6120 - Lowland Cedar	High Density Pole	33.6	60		
18	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	13.8	30		
19	42320 - Upland Spruce	High Density Pole	9.9	48	81-110	Natural stand looks to have been regenerated from fire as there are scorched logs on the ground.
20	6130 - Fir, Aspen, Maple	Medium Density Pole	105.8	50		Aspen less dense in S. part of stand. Pockets of conifer and aspen scattered throughout stand.
21	42200 - Natural White Pine	High Density Pole	60.3	55	111-140	Nice pine site aspen is scattered and is being overtopped, manage for pine in future. Would be nice to thin WP and remove QA if access and economice were more favorable.
22	6112 - Lowland Aspen	High Density Pole	52.8	29		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6122 - Black Spruce	High Density Pole	21.4	85		Scattered RP monarchs, spruce heaviest in S part of stand.
25	6120 - Lowland Cedar	High Density Pole	5.3	85		
27	4319 - Mixed Upland Forest	High Density Pole	5.3	40		
28	6122 - Black Spruce	High Density Log	8.4	48		Nice spruce stand likely fire origin as there are old fire scarred stumps. Cored a dominant tree had 38 rings at dbh, that doesn't seem right.
30	6112 - Lowland Aspen	High Density Pole	32.9	58	51-80	Medium to low quality QA, ash more concentrated in N. end of stand.
31	6139 - Mixed Lowland Forest	High Density Log	21.2	50		
32	6139 - Mixed Lowland Forest	High Density Pole	101.7	50		
35	6115 - Lowland Ash	Medium Density Pole	18.3	55		
37	4130 - Aspen	High Density Sapling	9.6	25		RP pocket NW corner.
38	42290 - Natural Mixed Pine	High Density Log	5.7	61		Nice mixed conifer stand, appears natural. RP concentrated along N. part.
39	6120 - Lowland Cedar	High Density Pole	55.9	165		Scattered super canopy wp.
40	6139 - Mixed Lowland Forest	High Density Pole	4.4	55		
41	6112 - Lowland Aspen	High Density Pole	34.7	27		Scattered alder understory.
43	6139 - Mixed Lowland Forest	High Density Pole	112.9	48		Mix of many species. Slight elevation changes create different canopy mixes. Pockets of spruce with fire scarred stumps.
44	6112 - Lowland Aspen	High Density Pole	196.7	41		
45	6120 - Lowland Cedar	High Density Sapling	53.9	70		Alder in canopy. Canopy ht. 20-30 ft. dense balsam fir
46	6112 - Lowland Aspen	High Density Pole	19.6	40		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	6120 - Lowland Cedar	High Density Pole	11.9	165		Alder in canopy. Canopy 20-30 ft. Winterberry in understory.
50	6115 - Lowland Ash	High Density Pole	56.4	65		
52	6113 - Lowland Maple	High Density Pole	80.6	50		
53	6112 - Lowland Aspen	High Density Sapling	17.2	40		
54	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	15.6	55		Scattered beech in understory. Cherry logs. Jack pine pocket in center of stand.
55	6129 - Mixed Coniferous Lowland Forest	High Density Pole	109.2	140		
56	6124 - Lowland Spruce-Fir	High Density Pole	44.9	140		Scattered large 20+ dbh spruce.
57	6129 - Mixed Coniferous Lowland Forest	High Density Pole	13.1	70		
58	6130 - Fir, Aspen, Maple	Medium Density Pole	25.4	55		Good W.P. site 3' growth on some trees. Balsam fir understory very thick in some places.
59	4133 - Aspen, Mixed Pine	High Density Pole	38.9	30		
60	4136 - Aspen, Mixed Conifer	High Density Log	18.4	56	1-50	This stand borders upland and lowand, and has a mix of species it has good access on Peters Rd. There is some nice timber. This is the only stand like this in the compartment. There are some nice vigorous red oak.
61	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	129.4	60	81-110	The stand is ready to cut the aspen is declining. It may be too wet, will observe to see if dries out during summer.
62	6123 - Lowland Fir	High Density Pole	10.7	60		
66	6129 - Mixed Coniferous Lowland Forest	High Density Pole	29.2	70		
67	6123 - Lowland Fir	High Density Sapling	20.3	33		Difficult to distinguish understory from overstory, trees of all heights.
68	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.3	70		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	4319 - Mixed Upland Forest	High Density Pole	11.2	56		Upland species on E. side blending to lowland on W. with more conifer. Trace beech understory.
70	4130 - Aspen	High Density Pole	14.6	37		
72	6139 - Mixed Lowland Forest	High Density Pole	66.6	57		
73	6112 - Lowland Aspen	High Density Pole	14.9	50		
74	4130 - Aspen	High Density Pole	7.4	36		
76	4130 - Aspen	High Density Pole	42.4	50		
77	4190 - Mixed Upland Deciduous with Cedar	High Density Pole	25.0	50		
78	4130 - Aspen	High Density Pole	11.4	50		
80	4139 - Aspen, Mixed Deciduous	High Density Pole	5.0	50		
83	4130 - Aspen	High Density Pole	6.9	50		
85	6139 - Mixed Lowland Forest	High Density Pole	41.0	50		
87	4124 - Red with White Oak	High Density Log	5.5	80		Heavy balsam fir understory in N. part of stand, scattered through the rest. Multiple trespasses.
88	6120 - Lowland Cedar	High Density Pole	187.2	120		
89	4130 - Aspen	High Density Log	21.2	60	51-80	
91	6129 - Mixed Coniferous Lowland Forest	High Density Pole	4.3	70		
92	6120 - Lowland Cedar	Medium Density Log	4.8	140		Lots of blowdown.
94	6123 - Lowland Fir	High Density Pole	6.9	50		
95	6120 - Lowland Cedar	High Density Pole	32.4	70		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
96	6119 - Mixed Lowland Deciduous Forest	High Density Log	10.4	40		Ash looks to have EAB. Scattered oak in canopy.
97	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.2	70		
98	4130 - Aspen	High Density Pole	19.8	36	1-50	Large super canopy WP xlog scattered in E side of stand. Pocket of cedar and b. fir located at NE corner of stand. Scattered xlog PO.

Stand	Cover Type	Acres	Gen Cmts:
4	3301 - Low Density Deciduous Tree	3.6	
9	6220 - Alder/willow	7.8	
14	710 - Sand, Soil	2.1	Abandoned Gravel Pit
15	6220 - Alder/willow	41.1	
17	3102 - Grass	7.4	
23	6220 - Alder/willow	21.3	Scattered aspen
26	6220 - Alder/willow	16.7	
29	3102 - Grass	28.6	
33	6225 - Bog	4.6	
34	6220 - Alder/willow	54.2	
36	3102 - Grass	5.5	Snow present at time of inventory, could see knapweed sticking through. Aspen moving in arounf edges.
42	3102 - Grass	3.9	
47	629 - Mixed non-forested wetland	5.3	
48	3102 - Grass	1.4	
51	6220 - Alder/willow	20.6	Scattered super canopy Balsam fir.
63	3102 - Grass	5.9	
64	6220 - Alder/willow	10.7	
65	6220 - Alder/willow	90.6	

Stand	Cover Type	Acres	Gen Cmts:
71	50 - Water	3.7	
75	6220 - Alder/willow	184.0	
79	622 - Lowland Shrub	90.4	
81	6220 - Alder/willow	14.5	
82	6225 - Bog	0.5	
84	6225 - Bog	1.8	
86	6230 - Cattail	56.5	Tamarack scattered in N. part
90	3102 - Grass	2.3	
93	3102 - Grass	2.3	

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.

Data updated before 10:00 AM

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.

Data updated before 10:00 AM

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	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.