



COMPARTMENT REVIEW PRESENTATION

GAYLORD FOREST MANAGEMENT UNIT

COMPARTMENT: 189

ENTRY YEAR: 2014

ACREAGE: 2,320

COUNTY: Cheboygan

Revision Date: 05/08/2012

Stand Examiner: John Scheele

Legal Description: T36N – R01W Sections 23 – 27, and 34 – 36

Management Goals: To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and Topography: There are 4 general soil type associations in the compartment. The Tawas-Lupton Association soils are located in the central part of the compartment and are very poorly drained. The Detour-Brevort Association soils are located in the northeastern part of the compartment and are somewhat poorly drained. The Au Gres-Rubicon-Roscommon Association soils are located in the central part of the compartment and are excessively to very poorly drained. The Cheboygan-Blue Lake Association soils are located in the far southwest corner of the compartment and are moderately to well drained. The entire compartment is nearly level except for a relatively steeper ridge in the southwest corner of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The southern boundary of the compartment is adjacent to a larger, contiguous state ownership to the south. The northern and central parts of the compartment are fragmented with common boundaries to medium sized parcels of private ownership. Most of the private parcels are absentee ownerships used for recreation.

Unique, Natural Features: The Natural Features Inventory database indicates the possible presence and potential of Red-shouldered hawk in, and around, the compartment. Blanding's turtle and Massasauga potential in lowland cover types and the spike lipped crate has been recorded in the vicinity. Potential for calypso bulbosa, round leaved orchid, limestone oak fern and cypripedium arietinum in lowland cover types.

Archeological, Historical, and Cultural Features: A search of the Archeological Sites database indicated no concerns. There is archeology potential throughout the compartment.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: This compartment contains a portion of Little Mud Creek, a tributary to Black Lake. A 100' no-clear cut buffer should be maintained along the waterbody (Stands 12 and 19).

Wildlife Habitat Considerations: This compartment consists of a mixture of upland and lowland types. The lowland areas support a variety of species including black bear, white-tailed deer, furbearers, and various amphibians. The upland areas consist of a mix of aspen, hardwoods, and a small component of white and red pine. A number of aspen stands will be treated to provide early successional habitat that will benefit white-tailed deer, elk, wild turkey, grouse, woodcock and various songbirds. This area receives significant hunting pressure for white-tailed deer, grouse, woodcock, and wild turkey

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till to the north, lacustrine (lake) sand and gravel and minor dune sand and ice-contact sand and gravel. The glacial drift thickness varies between 50 and 400 feet, thickening to the west. The Devonian Traverse Group, Bell Shale and Dundee Limestone subcrop below the glacial drift. These formations are quarried for cement and stone elsewhere in the State. Gravel pits are located in Sections 20 and 29 and the compartment has gravel potential. The nearest oil and gas production, the Guelp (former Niagaran) Reef Trend, is located 18 miles to the south. The Compartment is leased for the Collingwood/Utica Shale Formations exploration.

Vehicle Access: The south half of the compartment is accessible by Merchant and Red Bridge Roads, which are seasonal county roads, and a few state forest two-tracks. The north half has limited access because of the fragmented ownership. Grant Siding and Kelly Roads are also seasonal county roads that provide very limited access.

Survey Needs: Some survey work may be required to establish boundary corners for prescribed treatments in sections 24, 27, and 35.

Recreational Facilities and Opportunities: The North Eastern State Trail runs through the center of the compartment. This is a snowmobile and non-motorized recreation trail between Cheboygan and Alpena. The Michigan Shore to Shore Trail is located along the west boundary of the compartment on Merchant Road. This is a non-motorized, horse and hiking trail. There are other numerous outdoor recreational activities with hunting, berry picking, and mushrooming being the most common activities.

Fire Protection: No significant fire concerns at this time.

Additional Compartment Information:

- **The following 3 reports from the IFMAP Inventory System are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **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 and current SCA's**

Cover Type & Treatment Map

Compartment: 189
 T36N R01W Sec. 23 - 27, 34 - 36
 County: Cheboygan
 Unit: Gaylord
 YOE: 2014
 Acres: 2,320 GIS Calculated
 Examiner: John Scheele
 Map Revised: 05/16/2012
 Map Phase: Pre-Review

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

Legend

- Miris Corners
- Remonumented Section Corners
- Corners
- Pipe
- Power
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Ski Trail
- Hiking Trail
- Bike Trail
- Horse Trail
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

Level 3

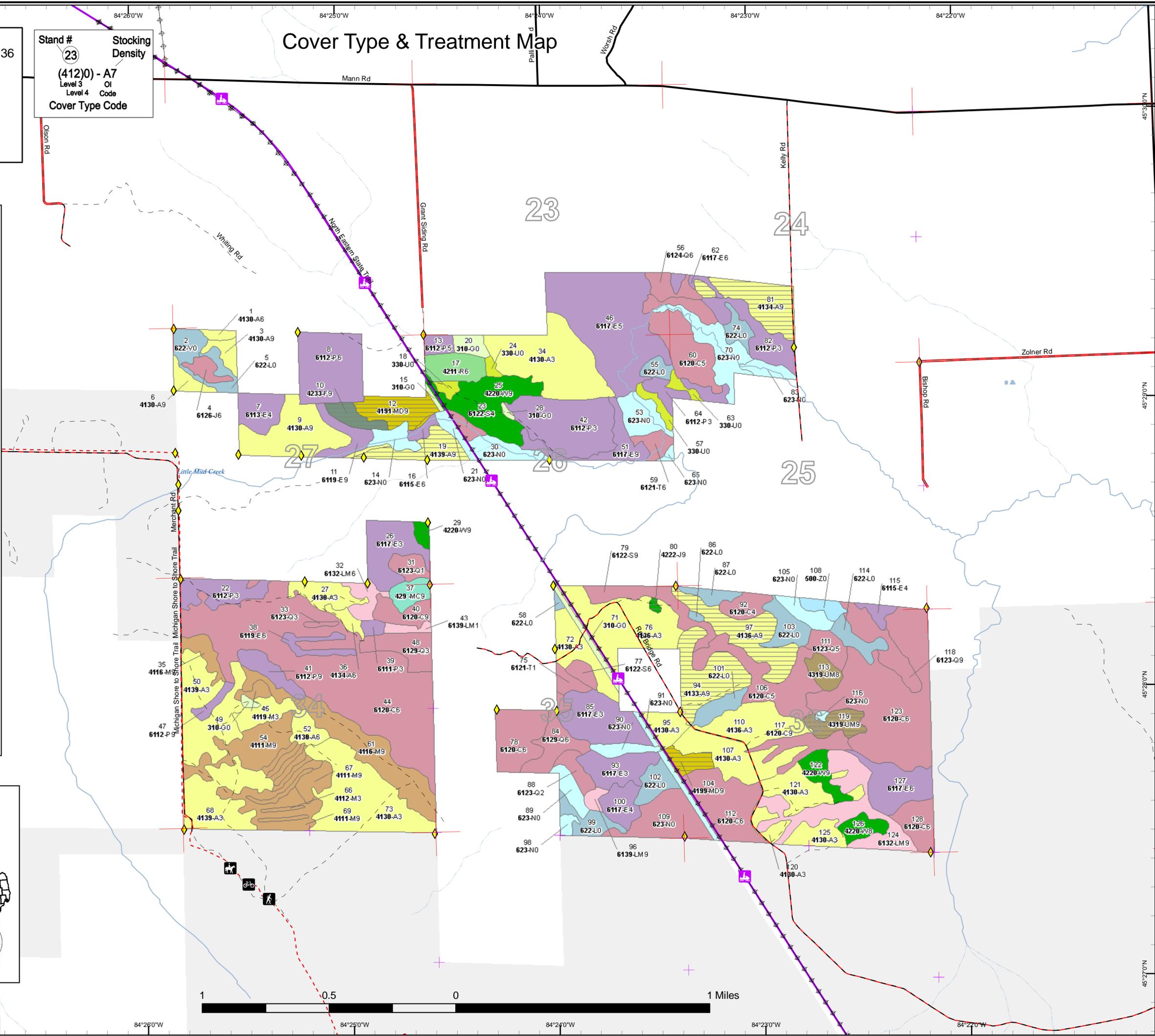
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- State Forest Land

23 24
 27 26 25
 34 35 36



Stand Boundary Map

Compartment: 189
 T36N R01W Sec. 23 - 27, 34 - 36
 County: Cheboygan
 Unit: Gaylord
 YOE: 2014
 Acres: 2,320 GIS Calculated
 Examiner: John Scheele
 Map Revised: 05/16/2012
 Map Phase: Pre-Review

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

Legend

- Miris Corners
- Remonumented Section Corners
- Corners
- Pipe
- Power
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Ski Trail
- Hiking Trail
- Bike Trail
- Horse Trail
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

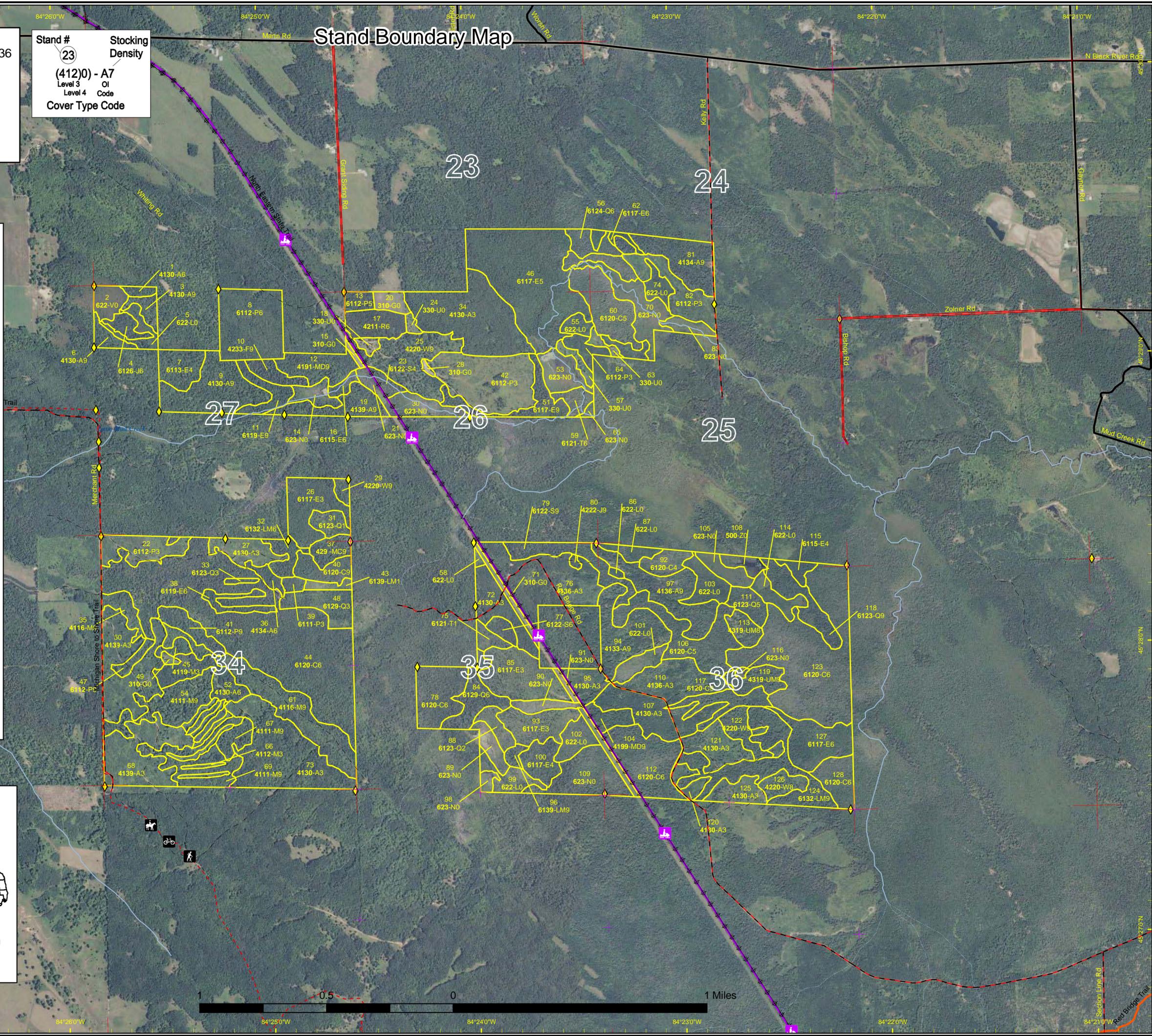
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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- 613 - Lowland Mixed Forest

Non-Forest Stands

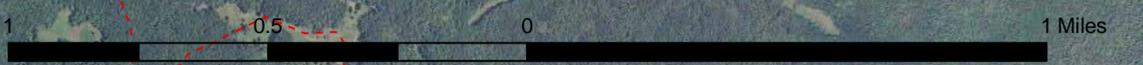
Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
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23 24
 27 26 25
 34 35 36

N



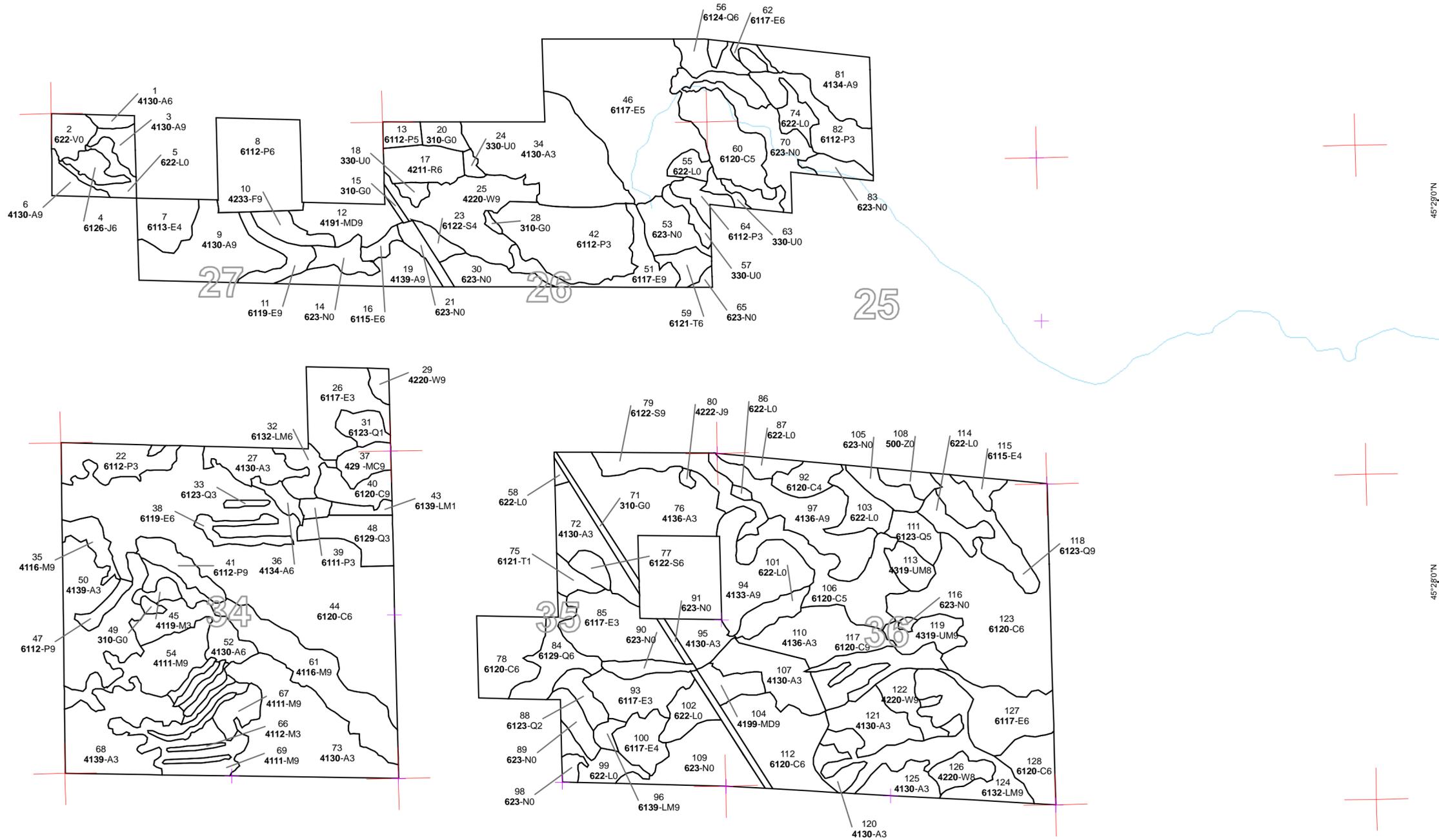
Dedicated & Proposed Special Conservation Area Map

Compartment: 189
 T36N R01W Sec. 23 - 27, 34 - 36
 County: Cheboygan
 Unit: Gaylord
 YOE: 2014
 Acres: 2,320 GIS Calculated
 Examiner: John Scheele
 Map Revised: 05/16/2012
 Map Phase: Pre-Review

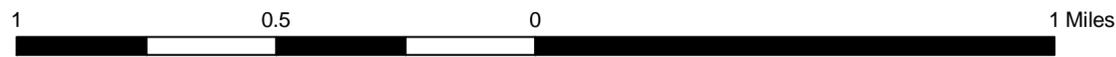
Stand #
23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

- Miris Corners
- ⊕ Remonumented Section Corners
- Stand Boundaries
- ▭ Dedicated Special Conservation Areas
- Cold Water Streams
- Forest Stands**
- Level 3
 - 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN



84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W 84°21'0"W

45°30'0"N
45°29'0"N
45°28'0"N
45°27'0"N

84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W 84°21'0"W

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 +	Uneven Age	
Aspen	220	0	219	3	5	0	0	0	97	75	0	0	0	0	618
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Cedar	0	0	0	0	0	0	0	0	0	16	158	132	211	0	517
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Jack Pine	0	0	0	0	0	1	0	0	6	0	0	0	0	0	8
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	70	39	45	0	5	0	0	5	0	0	12	0	0	0	175
Lowland Conifers	0	0	25	0	0	20	0	18	0	0	29	0	0	0	93
Lowland Deciduous	54	0	27	0	0	13	29	0	8	149	0	0	0	0	280
Lowland Mixed Forest	0	4	0	0	0	0	0	0	13	47	0	0	0	0	64
Lowland Shrub	83	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	5	5	20	0	0	0	30
Marsh	107	0	0	0	0	0	0	0	0	0	0	0	0	0	107
Mixed Upland Deciduous	0	0	0	0	0	0	20	0	0	9	0	0	0	0	29
Northern Hardwood	13	0	4	0	0	0	0	8	29	9	79	0	0	0	143
Red Pine	0	0	0	0	16	0	0	0	0	0	0	0	0	0	16
Tamarack	0	0	0	0	0	0	0	7	0	6	0	0	0	0	13
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Upland Mixed Forest	0	0	0	0	0	12	0	9	0	0	0	0	0	0	21
Upland Spruce/Fir	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63
Total	592	43	320	3	26	46	58	47	158	314	298	132	211	72	2320



Table 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit
Year of Entry 2014

Compartment 189
Total Compartment Acres: 2320

Acres by Treatment Type

Commercial Harvest - 168	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	118	0	0	0	0	0	118
Jack Pine	1	0	0	0	0	0	1
Mixed Upland Deciduous	28	0	0	0	0	0	28
Upland Mixed Forest	12	0	0	0	0	0	12
Upland Spruce/Fir	9	0	0	0	0	0	9
Total	168	0	0	0	0	0	168



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	52189010-CC	8.8	42330 - Upland Fir	High Density Log	62		Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Do not cut > 18" DBH White Spruce. No stand retention because of small stand size. Cut in winter or dry summer to reduce rutting.</p> <p><u>Other Comments:</u> Aspen and some of the Balsam Fir is dying out. A few large sized White Spruce and some larger diameter Balsam Fir (12-16" DBH). Small pockets of lower ground.</p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and conifer species.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
12	52189012-CCWR	19.4	4191 - Mixed Upland Deciduous with Conifer	High Density Log	65		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Leave pine and spruce species. Establish retention pocket along drainageway and in wetter soil type in north central part of stand. Need to cross drainageway to access west part of stand. Best location is in center of stand. Cut in winter or dry summer. Maintain a 100 ft. buffer to creek as shown by treatment area.</p> <p><u>Other Comments:</u> Larger aspen and some birch dying out. Some nice sawlogs of aspen and red maple. A drainageway and pocket of wetter soil is located in the north central part of stand. A survey corner will need to be established in northeast corner of stand.</p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a medium to well stocked mix of aspen and conifer species.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
19	52189019-CC	17.7	4139 - Aspen, Mixed Deciduous	High Density Log	85		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Establish stand retention area in southeast corner of stand to minimize future beaver problems. A large culvert or bridge will be needed to access stand from the North East State Trail at high spot along the trail. Maintain 100 ft. buffer to creek as shown by treatment area.</p> <p><u>Other Comments:</u> Aspen over mature and beginning to die out of stand. Beaver problems along southern boundary of stand.</p> <p><u>Next Steps:</u> Regeneration survey.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
80	52189080-CC	1.2	42220 - Natural Jack Pine	High Density Log	58		Harvest	Clearcut	42220 - Natural Jack Pine	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest stand to regenerate. All tops must be left for seed source and not chipped. Cut stand is summer to expose mineral soil. No stand retention because of small stand size.</p> <p><u>Other Comments:</u> Jack pine dying out.</p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of Jack Pine, Red Maple, Balsam Fir and aspen.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
81	52189081-CCWR	30.1	4134 - Aspen, Spruce/Fir	High Density Log	80		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Recommended retention area in northeast corner of stand. Minimize rutting during harvest by cutting in winter or dry summer and by not operating in low ground areas within stand.</p> <p><u>Other Comments:</u> Large aspen developing trunk rot. Balsam Fir is breaking off and falling over. Pockets of lower ground along edge of stand and in western part.</p> <p><u>Next Steps:</u> Regeneration Survey.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
94	52189094- CCWR	34.6	4133 - Aspen, Mixed Pine	High Density Log	85		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Mark some White Pine to leave and include in retention pocket. Also, do not cut oak.										
<u>Specs:</u>										
<u>Other</u> Larger sized aspen is dying out.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
97	52189097- CCWR	35.5	4136 - Aspen, Mixed Conifer	High Density Log	90		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Cut during summer months or avoid low ground areas to minimize rutting. Recommended retention area would be										
<u>Specs:</u> in the east part of stand which includes a pocket of X-large diameter White Pine and White Spruce trees.										
<u>Other</u> Stand is mostly high ground and is fairly hilly is some spots. Some edges of the stand can be steep. Aspen is starting to decline. There are a										
<u>Comments:</u> few spots of wet ground within the stand.										
<u>Next</u> Regeneration survey.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
104	52189104-CC	8.8	4199 - Other Mixed Upland Deciduous	High Density Log	90		Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. No stand retention because of small stand size.										
<u>Specs:</u>										
<u>Other</u> Nice birch and aspen sawlogs. No deciduous understory.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous, and conifer species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
119	52189119-CC	12.4	4319 - Mixed Upland Forest	High Density Log	55		Harvest	Clearcut	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Do not cut oak or White Pine trees over 18 inches in DBH. No stand retention because of small stand size.										
<u>Specs:</u>										
<u>Other</u> Stand is an upland knoll surrounded by lowland. White birch and aspen are dying out and balsam fir is falling down.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										

**Total Treatment
Acreage Proposed: 168.4**

Table 4 -- Treatments Prescribed with a Limiting Factor



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

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**



Stand	Gaylord 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	4130 - Aspen	High Density Pole	3.1	35		
3	4130 - Aspen	High Density Log	6.4	85		Aspen dying out.
4	6126 - Lowland Jack Pine	High Density Pole	6.4	85		Stand is unaccessible
6	4130 - Aspen	High Density Log	6.4	85		Small ridge that runs southeast to northwest. No access to stand. Possible access would be from the west or south.
7	6113 - Lowland Maple	Low Density Pole	15.5	60		
8	6112 - Lowland Aspen	High Density Pole	44.8	27		
9	4130 - Aspen	High Density Log	39.1	90		Stand is mostly upland with pockets of slightly lower ground. Some pockets of smaller diameter Aspen. Elk/deer rubs in stand. No access to stand.
10	42330 - Upland Fir	High Density Log	8.8	62		Aspen and some of the Balsam Fir is dying out. A few large sized White Spruce and some larger diameter Balsam fir (12-16" DBH). Small pockets of lower ground.
11	6119 - Mixed Lowland Deciduous Forest	High Density Log	11.4	95		
12	4191 - Mixed Upland Deciduous with Conifer	High Density Log	19.9	65		Larger aspen and some birch dying out. Some nice sawlogs of aspen and red maple. A drainageway and pocket of wetter soil is located in the north central part of stand. A survey corner will need to be established in northeast corner of stand.
13	6112 - Lowland Aspen	Medium Density Pole	5.5	45		
16	6115 - Lowland Ash	High Density Pole	3.7	85		
17	42110 - Planted Red Pine	High Density Pole	15.9	49	141-170	Current BA = 157. Stand was third row thinned in 2006. A lot of smaller, multi-stemmed trees of sapling/pole size (5" DBH). Spacing between trees is only 3' in some places.
19	4139 - Aspen, Mixed Deciduous	High Density Log	19.2	85		Aspen over mature and beginning to die out of stand. Beaver problems to south of stand.
22	6112 - Lowland Aspen	High Density Sapling	19.7	4		
23	6122 - Black Spruce	Low Density Pole	4.6	88		

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Gaylord Mgt. Unit

5 – Forested Stands

Compartment: 189

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	42200 - Natural White Pine	High Density Log	39.0	Uneven Age	1-50	Current BA = 50
26	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	27.3	27		
27	4130 - Aspen	High Density Sapling	14.5	4		
29	42200 - Natural White Pine	High Density Log	3.5	Uneven Age		
31	6123 - Lowland Fir	Low Density Sapling	8.1	57		Elk and/or deer rubs in center of stand.
32	6132 - Mixed Lowland Forest with Cedar	High Density Pole	9.3	87		
33	6123 - Lowland Fir	High Density Sapling	1.6	50		Stand was cut in 1962 for wildlife purpose. East side of cutting is lower with more cedar regeneration while west side of stand is a little higher ground with more balsam regeneration than cedar.
34	4130 - Aspen	High Density Sapling	61.8	26		
35	4116 - Mixed N. Hardwood - Aspen	High Density Log	8.5	75	81-110	Current BA = 100. Aspen is dying out and falling over. Stand is located on a northeast facing slope with rolling terrain. This is a transition stand that drops down to low ground.
36	4134 - Aspen, Spruce/Fir	High Density Pole	4.8	46		
37	429 - Mixed Upland Conifers	High Density Log	9.5	Uneven Age		Stand is rolling high ground surrounded by lowland.
38	6119 - Mixed Lowland Deciduous Forest	High Density Pole	7.9	50		Stand was cut in 1962 for wildlife purpose. Stand is surrounded by cedar.
39	6111 - Lowland Balsam Poplar	High Density Sapling	3.2	15		
40	6120 - Lowland Cedar	High Density Log	12.3	130		
41	6112 - Lowland Aspen	High Density Log	11.9	100		Large aspen over mature and blowing over and breaking at lower bole. Trees creating large slash and ground mounds from uprooted stumps.
42	6112 - Lowland Aspen	High Density Sapling	50.0	5		
43	6139 - Mixed Lowland Forest	Low Density Sapling	4.0	15		This was a white cedar stand that was clearcut.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	6120 - Lowland Cedar	High Density Pole	189.3	120		
45	4119 - Mixed Northern Hardwoods	High Density Sapling	4.0	26		
46	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	92.6	90		
47	6112 - Lowland Aspen	High Density Log	4.6	70		Stand is located in an intermittent drainage.
48	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	17.9	26		Deer yard strip cut in 1985. (Cedar and white pine)
50	4139 - Aspen, Mixed Deciduous	High Density Sapling	46.9	4		
51	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	17.7	95		Stand was left as a buffer between timber harvest and creek to the south and lower ground to the east.
52	4130 - Aspen	High Density Pole	20.8	26		
54	4111 - S.Maple, Hard Mast Association	High Density Log	29.3	85	111-140	Current BA = 113. Thinned in 2006. Poor quality sugar maple that is limby and multi-stemmed. Light beech scale is present.
56	6124 - Lowland Spruce-Fir	High Density Pole	9.1	100		
59	6121 - Tamarack	High Density Pole	7.1	75		
60	6120 - Lowland Cedar	Medium Density Pole	38.3	100		Some White Cedar tops are dead or dying.
61	4116 - Mixed N. Hardwood - Aspen	High Density Log	47.8	100	111-140	Current BA = 127. Stand is located on a northeast facing slope that drops down to low ground. Pockets of larger aspen are blowing over and dying out. Multi-stemmed basswood and low quality hardwood.
62	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.2	80		
64	6112 - Lowland Aspen	High Density Sapling	12.2	11		
66	4112 - Maple, Beech, Cherry Association	High Density Sapling	13.0	5		Clearcut in 2006. Stripped maple is as tall as the beech.
67	4111 - S.Maple, Hard Mast Association	High Density Log	8.7	90	81-110	Current BA = 97. Stand was thinned in 2006. Light beech scale is present.

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Gaylord Mgt. Unit

5 – Forested Stands

Compartment: 189
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	4139 - Aspen, Mixed Deciduous	High Density Sapling	40.8	4		
69	4111 - S.Maple, Hard Mast Association	High Density Log	31.3	100	111-140	Current BA = 123 (110, 120, 120, 140, 100, and 150). Poor quality sugar maple. Very heavy beech scale present.
72	4130 - Aspen	High Density Sapling	20.5	28		
73	4130 - Aspen	High Density Sapling	65.3	1		
75	6121 - Tamarack	Low Density Sapling	5.5	90		
76	4136 - Aspen, Mixed Conifer	High Density Sapling	53.3	24		Regeneration of stand is not as good on east side of Red Bridge Road compared to west side of road and northern part of stand.
77	6122 - Black Spruce	High Density Pole	5.3	90		
78	6120 - Lowland Cedar	High Density Pole	26.9	110		Poor quality cedar.
79	6122 - Black Spruce	High Density Log	19.8	100		
80	42220 - Natural Jack Pine	High Density Log	1.2	58		Jack pine dying out.
81	4134 - Aspen, Spruce/Fir	High Density Log	30.1	80		Large aspen developing trunk rot. Balsam Fir is breaking off and falling over. Pockets of lower ground along edge of stand and in western part.
82	6112 - Lowland Aspen	High Density Sapling	23.3	11		
84	6129 - Mixed Coniferous Lowland Forest	High Density Pole	18.4	75		
85	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	33.8	4		
88	6123 - Lowland Fir	Medium Density	7.6	20		
92	6120 - Lowland Cedar	Low Density Pole	9.7	120		Very poor cedar thst is dying out.
93	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	20.6	4		Stand was cut in 2008 and conifer trees were left.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
94	4133 - Aspen, Mixed Pine	High Density Log	34.6	85		Larger sized aspen is dying out.
95	4130 - Aspen	High Density Sapling	11.7	4		
96	6139 - Mixed Lowland Forest	High Density Log	3.5	85		Stand was not cut during harvest of adjacent stand in 2008. Access to stand is difficult because of wetter soils.
97	4136 - Aspen, Mixed Conifer	High Density Log	35.5	90		Stand is mostly high ground and is fairly hilly in some spots. Some edges of the stand can be steep. Aspen is starting to decline. There are a few spots of wet ground within the stand.
100	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	13.4	65		
104	4199 - Other Mixed Upland Deciduous	High Density Log	8.8	90		Nice birch and aspen sawlogs. No deciduous understory.
106	6120 - Lowland Cedar	Medium Density Pole	36.9	100		
107	4130 - Aspen	High Density Sapling	23.2	28		
110	4136 - Aspen, Mixed Conifer	High Density Sapling	39.0	28		
111	6123 - Lowland Fir	Medium Density Pole	10.0	55		
112	6120 - Lowland Cedar	High Density Pole	67.7	100		Poor quality cedar with pockets of tag alder.
113	4319 - Mixed Upland Forest	Medium Density Log	8.7	72		Upland knoll surrounded by wetland.
115	6115 - Lowland Ash	Low Density Pole	4.7	52		
117	6120 - Lowland Cedar	High Density Log	14.9	100		
118	6123 - Lowland Fir	High Density Log	19.9	100		Stand is surrounded by lowland/wet soils. Balsam fir, balsam poplar, and white birch are dying out. Balsam fir is breaking off at stump and creating slash. Stand regenerating to balsam fir.
119	4319 - Mixed Upland Forest	High Density Log	12.3	55		Stand is an upland knoll surrounded by lowland. birch and aspen are dying out and balsam fir is falling down.
120	4130 - Aspen	High Density Sapling	7.0	5		

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Gaylord Mgt. Unit

5 – Forested Stands

Compartment: 189

Year of Entry: 2014



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
121	4130 - Aspen	High Density Sapling	21.8	5		Stand was cut in 2006 except white pine.
122	42200 - Natural White Pine	High Density Log	11.1	Uneven Age	1-50	Current BA = 50. Stand was cut in 2006 except white pine.
123	6120 - Lowland Cedar	High Density Pole	105.2	110		
124	6132 - Mixed Lowland Forest with Cedar	High Density Log	47.1	90		Stand is a buffer to a drainage which flows to the east.
125	4130 - Aspen	High Density Sapling	12.1	3		
126	42200 - Natural White Pine	Medium Density Log	9.0	Uneven Age	1-50	Current BA = 40. Stand was cut in 2008 except white pine.
127	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	27.1	90		
128	6120 - Lowland Cedar	High Density Pole	15.6	90		Poor quality cedar.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6225 - Bog	9.4	No	Unspecified	
5	6220 - Alder/willow	8.1	No	Unspecified	
14	623 - Emergent Wetland	8.4	N/A	Unspecified	
15	310 - Herbaceous Openland	1.3	N/A	Unspecified	
18	3301 - Low Density Deciduous Tree	3.1	No	Unspecified	
20	310 - Herbaceous Openland	6.4	No	Unspecified	
21	623 - Emergent Wetland	5.8	N/A	Unspecified	
24	330 - Low-Density Trees	2.2	No	Unspecified	
28	310 - Herbaceous Openland	1.1	N/A	Unspecified	
30	623 - Emergent Wetland	12.7	N/A	Unspecified	
49	310 - Herbaceous Openland	1.6	N/A	Unspecified	
53	623 - Emergent Wetland	14.9	N/A	Unspecified	
55	622 - Lowland Shrub	5.2	N/A	Unspecified	
57	330 - Low-Density Trees	4.6	N/A	Unspecified	
58	622 - Lowland Shrub	1.2	N/A	Unspecified	
63	330 - Low-Density Trees	3.2	N/A	Unspecified	
65	623 - Emergent Wetland	1.4	N/A	Unspecified	
70	623 - Emergent Wetland	23.2	N/A	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
71	310 - Herbaceous Openland	5.3	N/A	Unspecified	
74	622 - Lowland Shrub	7.1	N/A	Unspecified	
83	623 - Emergent Wetland	6.3	N/A	Unspecified	
86	622 - Lowland Shrub	1.2	N/A	Unspecified	
87	622 - Lowland Shrub	6.3	N/A	Unspecified	
89	623 - Emergent Wetland	8.2	N/A	Unspecified	
90	623 - Emergent Wetland	6.7	N/A	Unspecified	
91	623 - Emergent Wetland	2.0	N/A	Unspecified	
98	623 - Emergent Wetland	2.9	N/A	Unspecified	
99	622 - Lowland Shrub	11.1	N/A	Unspecified	
101	622 - Lowland Shrub	9.1	N/A	Unspecified	
102	622 - Lowland Shrub	10.9	N/A	Unspecified	
103	622 - Lowland Shrub	13.1	N/A	Unspecified	
105	623 - Emergent Wetland	8.8	N/A	Unspecified	
108	50 - Water	6.1	N/A	Unspecified	
109	623 - Emergent Wetland	5.0	N/A	Unspecified	
114	622 - Lowland Shrub	9.5	N/A	Unspecified	
116	623 - Emergent Wetland	1.0	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.