



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 159 ENTRY YEAR: 2012

Compartment Acreage: 1836 County: Presque Isle

Revision Date: October 26, 2010

Stand Examiner: Major

Legal Description: T36N, R2E, Sec. 22, 23 ,24 ,27 & 34

RMU (if applicable): Hammond Bay Lake Plain

Management Goals: Swamp aspen conservation.

Soil and Topography: Little ink is required to print a topographic map of this compartment. The habitat types are overwhelmingly PArVCo and wetland. PArVHa/PArVVb dominates the southwest half of section 34.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Adjacent ownership is mostly other state land, but with hunting lands to the immediate north.

Unique, Natural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: No special considerations exist for this compartment.

Wildlife Habitat Considerations: This compartment is lowland poplar, aspen, swamp hardwoods, and birch in the north with pine in the south. There are values to wildlife that use early-successional habitats like white-tailed deer, ruffed grouse, American woodcock, and snowshoe hare while species dependent on down woody debris and large diameter trees in lowland areas also benefit in some areas (e.g., pileated woodpeckers, red-shouldered hawk, and wood duck).

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of Lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 200 feet, thickening to the northwest. Beneath the glacial drift is the Devonian Dundee Limestone, used for limestone/stone. The nearest gravel pit is located within one mile to the southeast in Section 25 and there is fair gravel potential. This area has had no drilling for oil and gas. Oil and gas producing Silurian Niagaran Reefs are located fifteen miles to the southeast. Section 24 and parts of Sections 23 and 27 are leased for oil and gas development.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: None.

Recreational Facilities and Opportunities: Both an ORV trail and a snowmobile trail pass through the compartment.

Fire Protection: Adequate.

Additional Compartment Information:

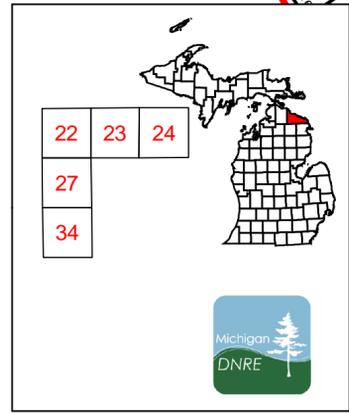
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**

- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**

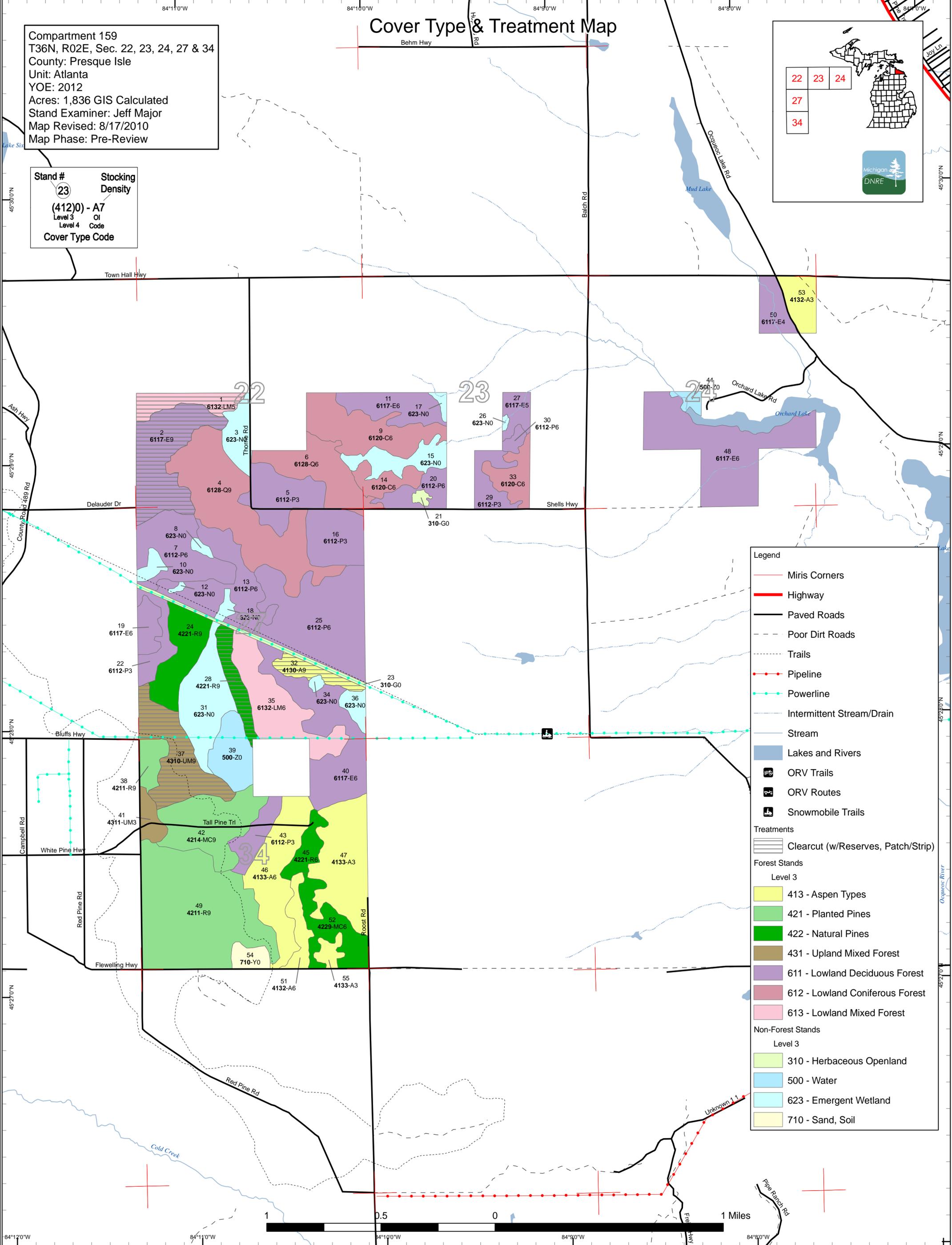
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

Cover Type & Treatment Map

Compartment 159
 T36N, R02E, Sec. 22, 23, 24, 27 & 34
 County: Presque Isle
 Unit: Atlanta
 YOE: 2012
 Acres: 1,836 GIS Calculated
 Stand Examiner: Jeff Major
 Map Revised: 8/17/2010
 Map Phase: Pre-Review



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



Legend

- Miris Corners
- Highway
- Paved Roads
- Poor Dirt Roads
- Trails
- Pipeline
- Powerline
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ORV Trails
- ORV Routes
- Snowmobile Trails

Treatments

- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

Level 3

- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

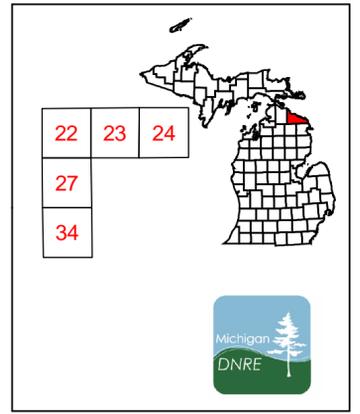
Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand, Soil

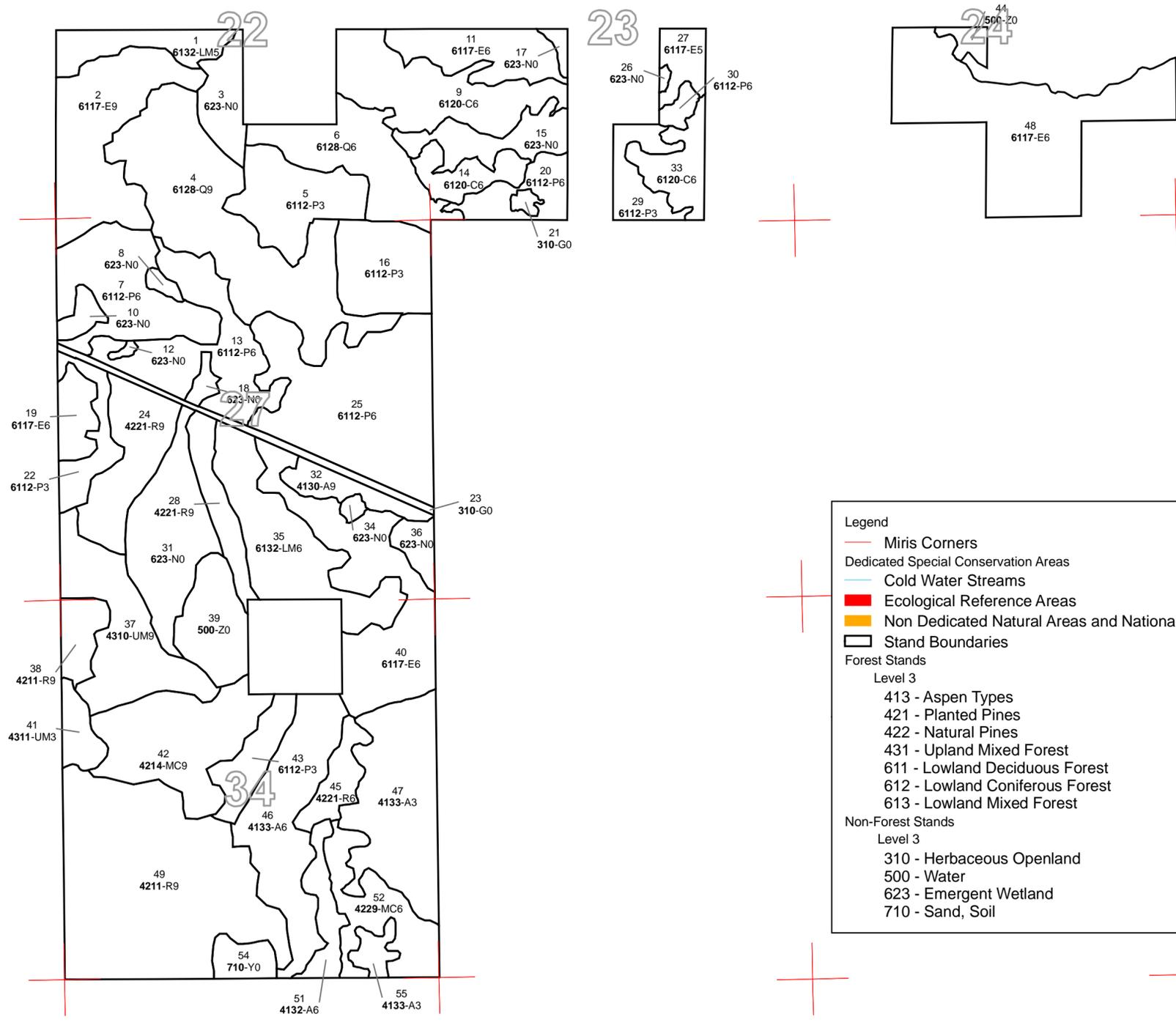


Compartment 159
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Dedicated & Proposed Special Conservation Area Map



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



Legend

- Miris Corners
- Dedicated Special Conservation Areas
- Cold Water Streams
- Ecological Reference Areas
- Non Dedicated Natural Areas and National Natural Landmarks
- Stand Boundaries

Forest Stands

Level 3

- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
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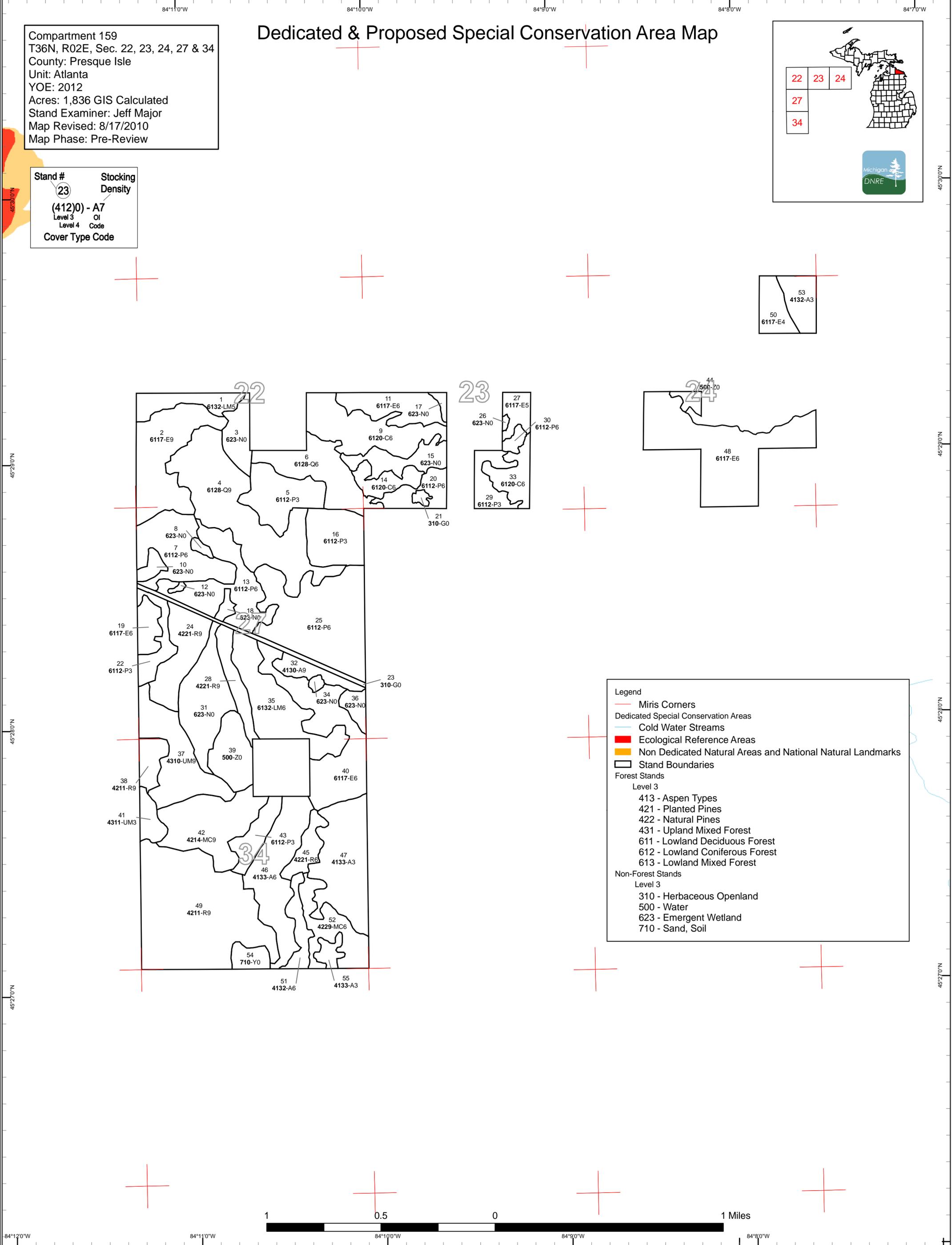


Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	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 +		Unre/en Age
Aspen	0	0	99	16	0	64	0	0	14	0	0	0	0	0	0	194
Cedar	0	0	0	0	0	0	0	0	0	0	38	0	58	0	0	96
Herbaceous Openland	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Aspen/Balsam Poplar	0	38	60	197	73	5	0	0	0	0	0	0	0	0	0	374
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	164	0	0	0	0	164
Lowland Deciduous	0	0	0	0	0	0	0	0	126	187	0	14	0	0	0	327
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	60	22	0	0	0	82
Marsh	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127
Natural Mixed Pines	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	36
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	63	0	0	0	0	0	63
Red Pine	0	0	0	0	0	0	0	16	54	0	174	0	0	0	0	243
Sand, Soil	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Mixed Forest	0	0	12	0	0	0	0	0	0	0	57	0	0	0	0	68
Water	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Total	188	38	171	250	73	69	0	16	194	250	493	36	58	0	0	1836



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit
Year of Entry 2012

Compartment 159
Total Compartment Acres: 1836

Acres by Treatment Type

Commercial Harvest - 181	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	14	0	0	0	0	0	0	14
Lowland Deciduous	68	0	0	0	0	0	0	68
Lowland Mixed Forest	22	0	0	0	0	0	0	22
Red Pine	19	0	0	0	0	0	0	19
Upland Mixed Forest	57	0	0	0	0	0	0	57
Total	181	0	0	0	0	0	0	181



Data updated before 2:00 PM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1 54159001-Cut	22.2	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	100	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Clearcut to regenerate seral species. Leave cedar except where it will impede regeneration. Any cedar to be harvested should be marked with paint.

Other Stand has heavy poorly drained soils, dry summer or winter chance only.

Next
Steps:

2 54159002-Cut	68.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	82	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
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Prescription Mature stand that needs to be harvested to regenerate. Clear cut to regenerate seral species. Leave cedar except where it will impede regeneration. Any cedar to be harvested should be marked with paint.

Other stand has heavy poorly drained soils, dry summer or winter chance only. There is an overgrown winter road off the end of Delauder Drive that leads into stand.

Next
Steps:

32 54159032-Cut	14.4	4130 - Aspen	High Density Log	73	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription harvest stand to regenerate aspen. no retention due to small size of stand. leave oak for wildlife and aesthetics.

Other powerline north of stand. road into stand from north is bumpy/rough, but has a good bottom with lots of gravel/rock.

Next
Steps:

37 54159037-Cut	56.6	4310 - Pine, Oak Mix	High Density Log	92	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription mature oak and pine stand, some aspen inclusions. harvest to regenerate stand. leave up to 2 mature healthy crowned oak and or pine per acre for aesthetics, wildlife and a seed source to regenerate.

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 161.6**

**Table 4 -- Treatments Prescribed with
a Limiting Factor**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
28 54159028-Cut	19.3	42210 - Natural Red Pine	High Density Log	99	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription mature red pine stand. harvest and let regenerate naturally. leave 20-30 BA of healthy crowned red pine as a seed source.
Specs:

Other best access is through private property to the south.
Comment:

Next
Steps:

Limiting Factor and No 2D: Road needed
Treatment Reason

**Total Treatment
Acreage Proposed: 19.3**

Out of YOE -- Treatments
 Prescribed with No Limiting Factor



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
022_St28C.Cu t	25.0				Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Cut with stand 14 in Compartment 24. Clear cut: In areas of heavy oak leave up to 10-20BA of oak and pine. In areas predominantly aspen only leave scattered oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Acceptable regen is any mix of aspen, oak and pine. Some white pine is present. Leave both a mix red and white oak. No retention is needed because leaving steep slope along northern edge of stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey 3-5 yrs after harvest.</p> <p><u>Steps:</u></p>								
54030_OutOfY OE-STR	1.2				Harvest	Seed Tree with Reserves	Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> MMark red pine residual to average tree height spacing. Leave 10 BA white pine and all oak, if present. Paint in 2 chain wide buffer along High Country Pathway, using pathway as centerline. Allow whole tree skidding; require chipping of tops, with movement of tops to approved landings to be done concurrently with harvesting. Post sale: scarify sale area to regenerate red pine, but may exclude areas of heavy white pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> Continued scarification until full stocking of red pine is achieved.</p> <p><u>Steps:</u></p>								
54004_St8- Burn	12.1				Prescribed Burn	Unspecified	Red Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> follow up with timber harvest next entry.</p> <p><u>Steps:</u></p>								
Total Treatment Acreage Proposed:		38.2						

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 159

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	22.2	100	51-80	Stand has heavy poorly drained soils, dry summer or winter chance only.
2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	68.4	82	81-110	stand has heavy poorly drained soils, dry summer or winter chance only. There is an overgrown winter road off the end of Delauder Drive that leads into stand.
4	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	115.4	91		
5	6112 - Lowland Aspen	High Density Sapling	41.2	14		
6	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	48.6	91		
7	6112 - Lowland Aspen	High Density Pole	53.1	26		
9	6120 - Lowland Cedar	High Density Pole	58.1	110		Well stocked cedar stand. Expect no regen if harvested, stand would most likely become balm and tag alder. Don't cut.
11	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	32.2	75		very wet, inoperable. age estimated because can't read ages on balm.
13	6112 - Lowland Aspen	High Density Pole	55.9	34		
14	6120 - Lowland Cedar	High Density Pole	16.8	90		heavy, poorly drained soil. most likely would turn into balm and tag alder if ever harvested. leave.
16	6112 - Lowland Aspen	High Density Sapling	38.4	5		New stand added.
19	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	14.0	100		No access to stand, surrounded by wet ground.
20	6112 - Lowland Aspen	High Density Pole	19.3	20		
22	6112 - Lowland Aspen	High Density Sapling	17.5	31		
24	42210 - Natural Red Pine	High Density Log	39.4	74		
25	6112 - Lowland Aspen	High Density Pole	105.4	27		
27	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	12.6	89		very wet, heavy soils. intermittent stream divides stand. to wet to log, and no access.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 159
Year of Entry: 2012

Data updated before 2:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	42210 - Natural Red Pine	High Density Log	19.3	99	111-140	best access is through private property to the south.
29	6112 - Lowland Aspen	High Density Sapling	18.9	19		
30	6112 - Lowland Aspen	High Density Pole	4.9	40		
32	4130 - Aspen	High Density Log	14.4	73	111-140	powerline north of stand. road into stand from north is bumpy/rough, but has a good bottom with lots of gravel/rock.
33	6120 - Lowland Cedar	High Density Pole	21.3	90		very wet, heavy soils. stand west of here with same amount of cedar cut 5 yrs ago. no cedar regen. stand is now balm, aspen, and tag alder. recommend no treatment.
35	6132 - Mixed Lowland Forest with Cedar	High Density Pole	59.6	90		Too wet to harvest.
37	4310 - Pine, Oak Mix	High Density Log	56.6	92	111-140	
38	42110 - Planted Red Pine	High Density Log	14.1	72	111-140	
40	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	74.2	74		very wet ground, no access.
41	4311 - Pine, Aspen Mix	High Density Sapling	11.8	17		
42	42140 - Planted Mixed Pine	High Density Log	62.7	80		Stand currently being set up as a timber sale.
43	6112 - Lowland Aspen	High Density Sapling	19.6	24		
45	42210 - Natural Red Pine	High Density Pole	15.6	62		
46	4133 - Aspen, Mixed Pine	High Density Pole	64.2	42		
47	4133 - Aspen, Mixed Pine	High Density Sapling	71.0	18		
48	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	106.4	81		very wet, poor access.
49	42110 - Planted Red Pine	High Density Log	154.9	92	81-110	Stand is currently being set up for a timber sale.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 159

Year of Entry: 2012



Data updated before 2:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	19.3	75		very wet, areas of standing water. drainage through center of stand. very little timber, stand is non merchantable.
51	4132 - Aspen, Jack Pine	High Density Pole	15.9	24		
52	42290 - Natural Mixed Pine	High Density Pole	36.2	27		
53	4132 - Aspen, Jack Pine	High Density Sapling	20.5	16		
55	4133 - Aspen, Mixed Pine	High Density Sapling	7.5	17		



Stand	Cover Type	Acres	Gen Cmts:
3	623 - Emergent Wetland	19.7	
8	623 - Emergent Wetland	2.9	
10	623 - Emergent Wetland	6.5	
12	623 - Emergent Wetland	1.2	
15	623 - Emergent Wetland	25.0	
17	623 - Emergent Wetland	3.0	
18	623 - Emergent Wetland	4.1	
21	310 - Herbaceous Openland	2.5	
23	3102 - Grass	12.0	
26	623 - Emergent Wetland	1.0	
31	623 - Emergent Wetland	52.2	
34	623 - Emergent Wetland	2.3	
36	623 - Emergent Wetland	9.0	Stand swapped from Forested to Non-Forested.
39	50 - Water	30.7	
44	50 - Water	5.4	
54	710 - Sand, Soil	10.6	



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 2:00 PM

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 2:00 PM

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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