



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 176 ENTRY YEAR: 2014

Compartment Acreage: 1836 County: Cheboygan

Revision Date: July 3, 2012

Stand Examiner: Darrick Coy

Legal Description: T36N R1E Sections 10, 11, 13, and 14

Management Area: Cheboygan Basin Moraines

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. Timber harvests prescribed will increase vigor in red pine through thinning, break-up dominant 80 year old age class of red pine and aspen through regeneration harvests, and be designed to minimize impacts on Black Mountain recreation.

Soil and Topography: Soils are mostly well drained to excessively drained sands. Dominating soil types are rubicon sand and Cheboygan loamy sand on better quality sites. Red pine, oak, and aspen are the dominant covertime species. Overall, the topography is rolling to hilly. The compartment forest habitat types are mostly PArVHa and PArVHa/PArVVb.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land ownership is solid except for a small private 80 acre area within S1/2, SESE, section 13. State land borders to the north and east. Private cottages border the compartment along the Black Lake shoreline. Land use within the compartment is primarily recreation due to the compartment being part of the Black Mountain Recreation Area.

Unique, Natural Features: Pugnose shiner, red shouldered hawk, and hills thistle. Some other undocumented or potential features may exist (see MNFI records/layer).

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Black Mountain Recreation Area.

Watershed and Fisheries Considerations: Black Lake.

Wildlife Habitat Considerations: Compartment 176 is adjacent to Black Lake and is dominated by aspen, red pine, oak, and has a component of openings and lowland poplar. Featured species in the compartment include ruffed grouse, American woodcock, white-tailed deer, and black bear. Multiple other species utilize this compartment for habitat as well, including bald eagle, northern goshawk, great-horned owl, multiple songbird species, and reptiles and amphibians.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel, dune sand and coarse-textured glacial till. The glacial drift thickness varies between 100 and 600 feet. Beneath the glacial drift is the Devonian Detroit River Group, used for dolomite/stone. Gravel pits are located two miles to the north and there may be some gravel potential on Black Mountain. This area has had no drilling for oil and gas. Oil and gas producing Guelph (Niagaran) reefs are located 20 miles to the southeast. About one half of the State land is leased for oil and gas development of the Collingwood Formation.

Vehicle Access: Access to the compartment is good. Some access two-tracks will need to be reshaped as logging activities begin and progress. With the high amount of recreational use and timber cutting this YOY, illegal trails created will need to be identified and blocked off as it occurs. No trash was found within the compartment.

Survey Needs: None.

Recreational Facilities and Opportunities: Non-motorized (hiking/X country skiing), ORV and snowmobiling trails. See Black Mountain Recreation Area management plan.

Fire Protection: Atlanta DNR office

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

Legend

- Miris Corners
- Remonumented Section Corners

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Other Harvest - See Comments

Forest Stands

Level 3

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

Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees

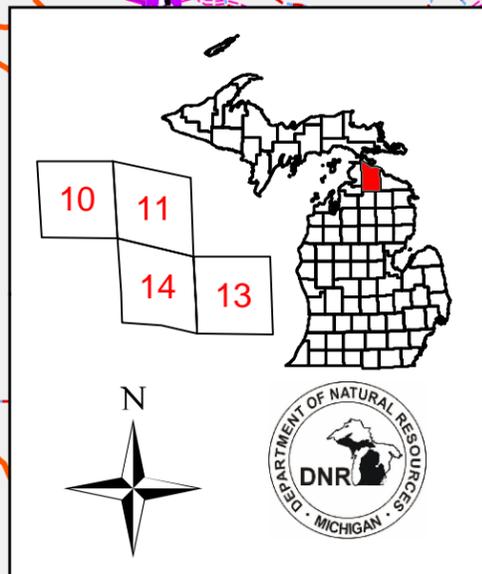
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads

Lakes and Rivers

- Stream
- Intermittent Stream

Trails

- Snowmobile Trail
- ORV Trails
- Snowmobile Trails
- ORV Trail
- ORV Route
- Ski Trail
- Hiking Trail
- Bike Trail



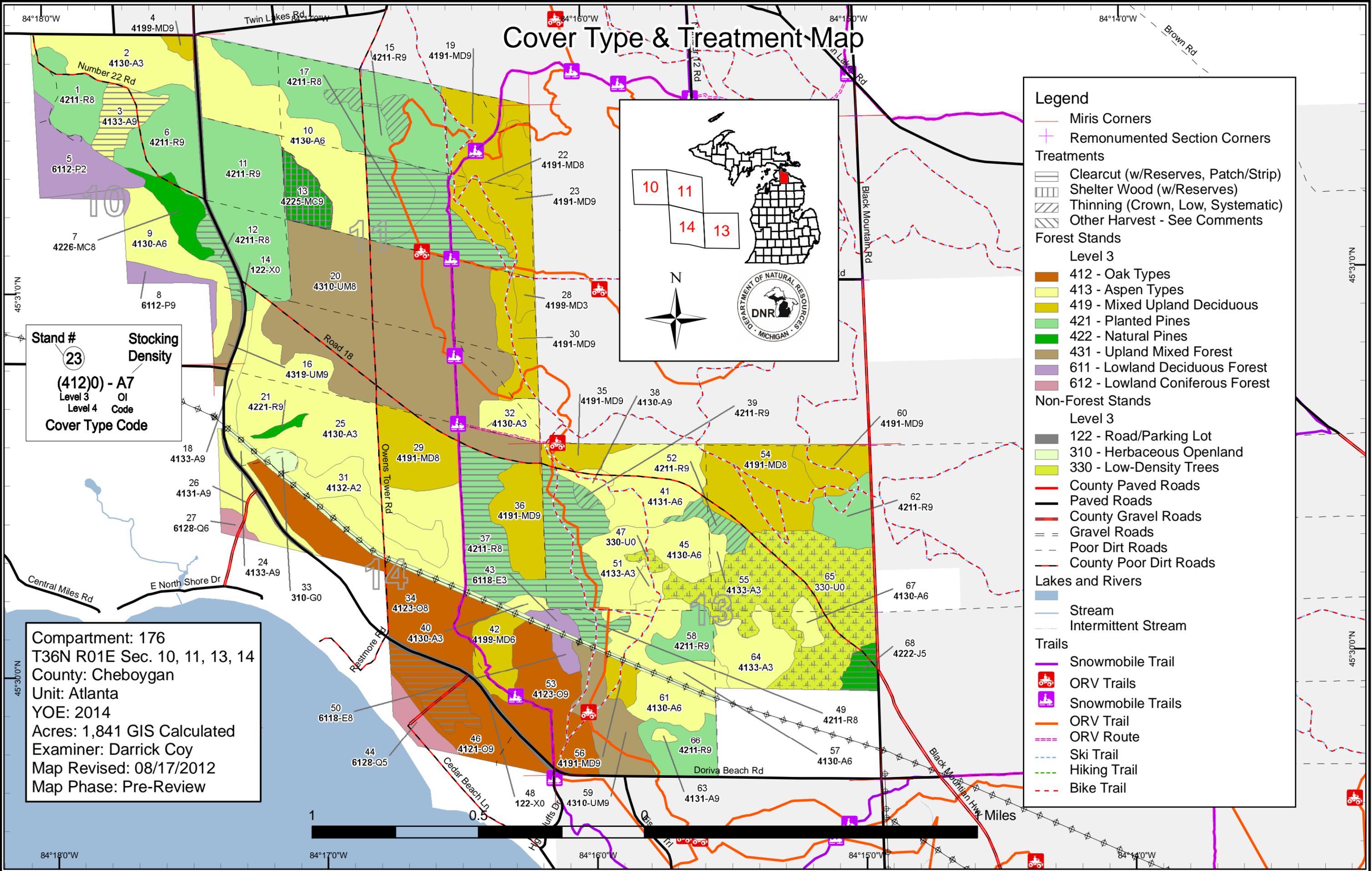
Stand #
23

Stocking Density
(412)0 - A7

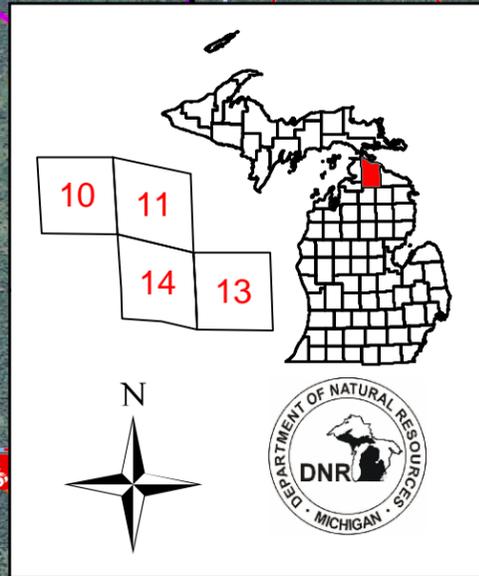
Level 3 OI
Level 4 Code

Cover Type Code

Compartment: 176
T36N R01E Sec. 10, 11, 13, 14
County: Cheboygan
Unit: Atlanta
YOE: 2014
Acres: 1,841 GIS Calculated
Examiner: Darrick Coy
Map Revised: 08/17/2012
Map Phase: Pre-Review



Stand Boundary Map

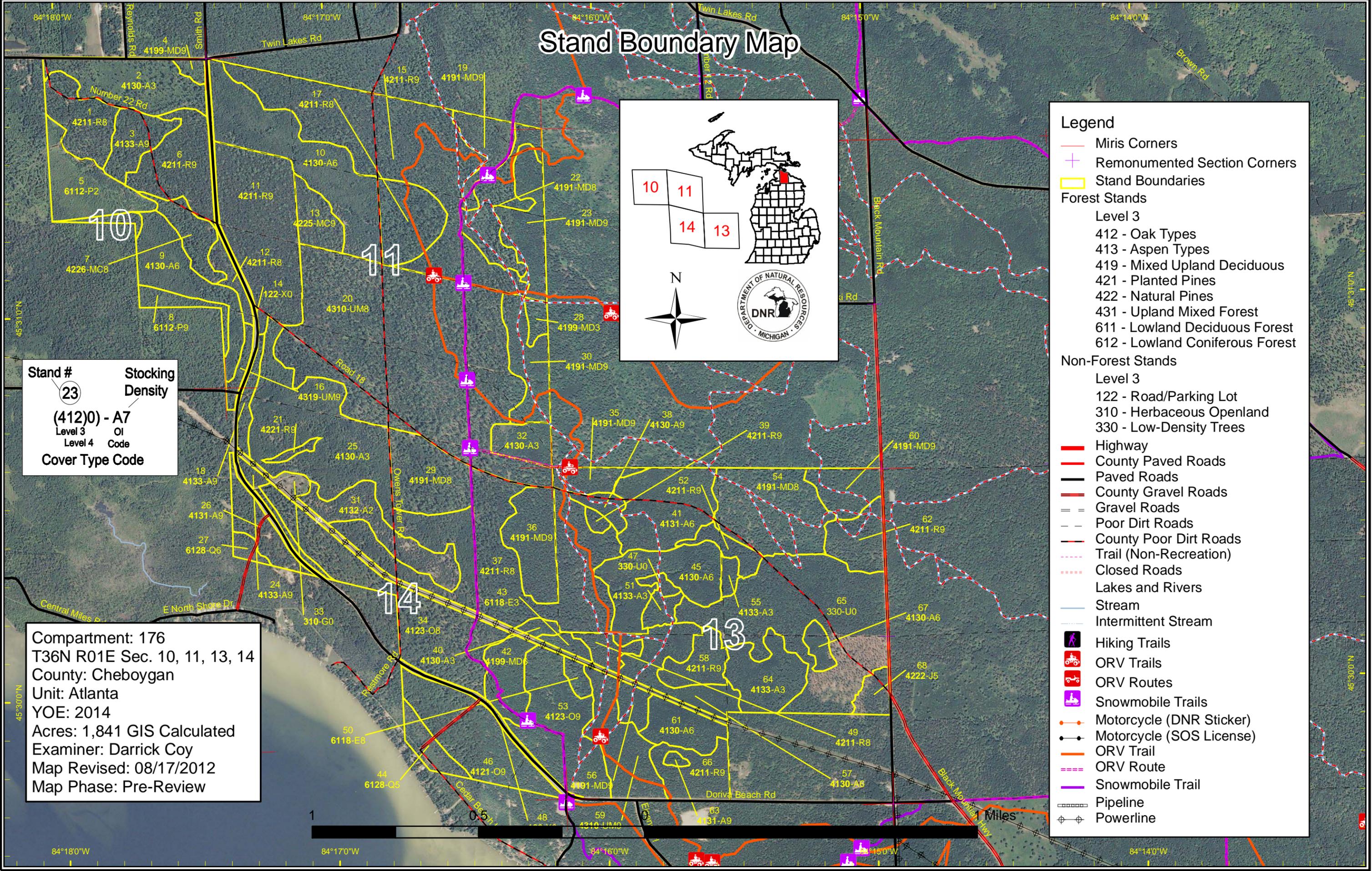


Legend

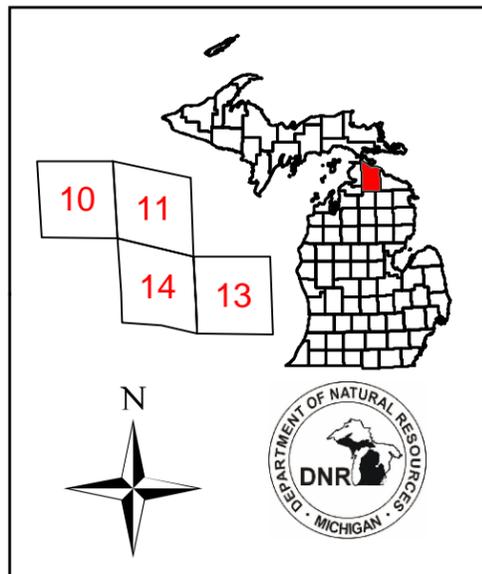
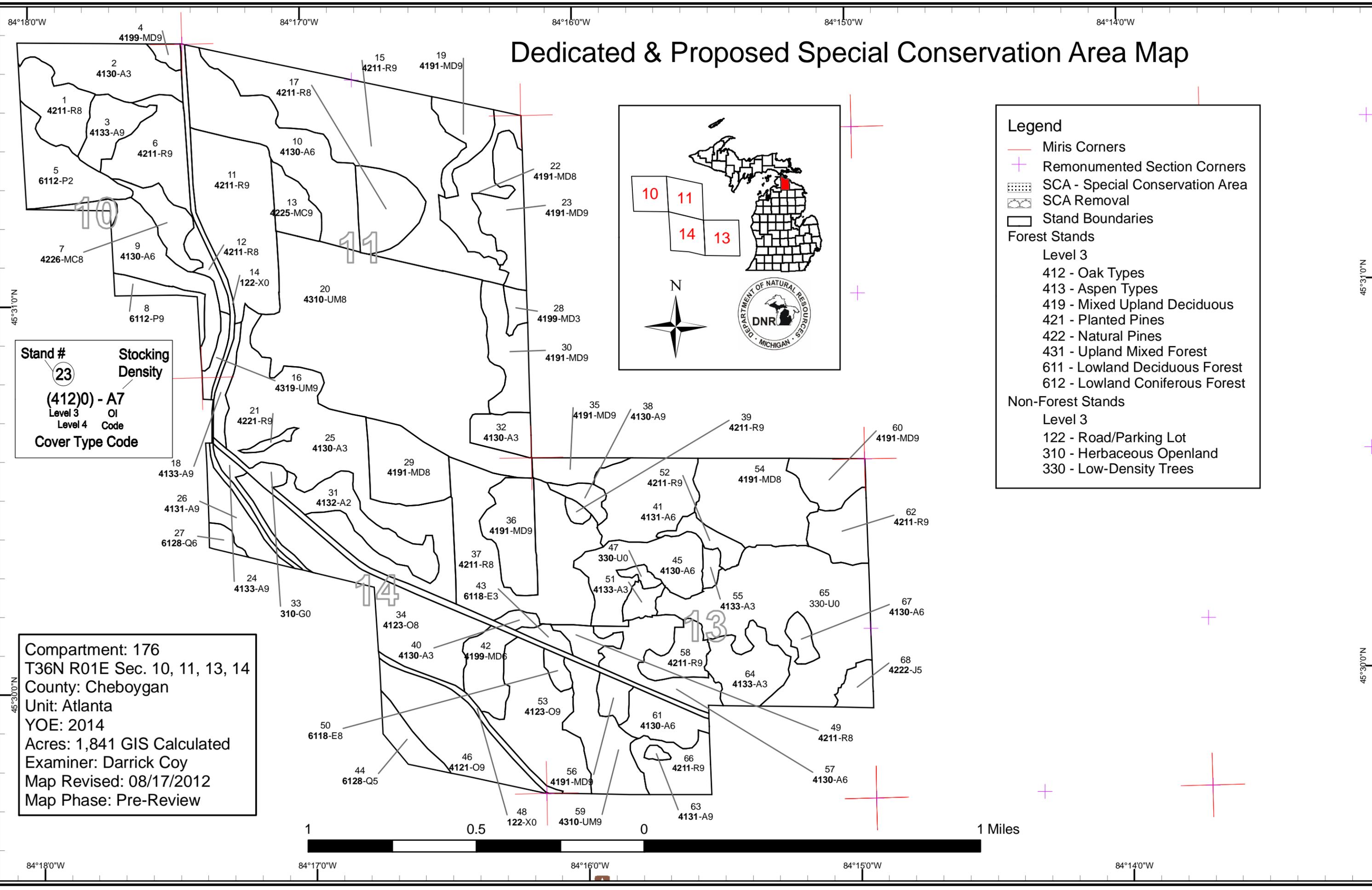
- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Forest Stands**
- Level 3
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
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- 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
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- 330 - Low-Density Trees
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Lakes and Rivers
- Stream
- Intermittent Stream
- Hiking Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Pipeline
- Powerline

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

Compartment: 176
 T36N R01E Sec. 10, 11, 13, 14
 County: Cheboygan
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 Examiner: Darrick Coy
 Map Revised: 08/17/2012
 Map Phase: Pre-Review



Dedicated & Proposed Special Conservation Area Map



Legend

- Miris Corners
- + Remonumented Section Corners
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- ▭ Stand Boundaries

Forest Stands

Level 3

- 412 - Oak Types
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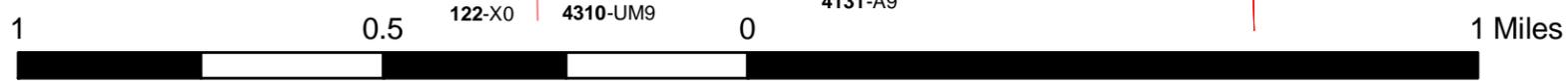
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T36N R01E Sec. 10, 11, 13, 14
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Map Phase: Pre-Review



84°18'0"W 84°17'0"W 84°16'0"W 84°15'0"W 84°14'0"W

45°31'0"N 45°30'0"N

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 +		Unenter Age
Aspen	73	3	113	224	40	0	0	23	29	2	0	0	0	0	507
Herbaceous Openland	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Jack Pine	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Low-Density Trees	113	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Lowland Aspen/Balsam Poplar	0	30	0	0	0	0	0	0	11	0	0	0	0	0	41
Lowland Conifers	0	0	0	0	0	0	0	4	11	0	0	0	0	0	15
Lowland Deciduous	0	0	0	0	4	0	0	0	4	0	0	0	0	0	8
Mixed Upland Deciduous	0	5	0	0	18	0	0	43	75	51	50	0	17	0	259
Natural Mixed Pines	0	0	0	0	0	0	0	14	15	0	0	0	0	0	29
Oak	0	0	0	0	0	0	0	0	46	113	0	0	0	0	158
Red Pine	0	0	0	0	0	0	0	419	0	0	0	0	2	0	421
Upland Mixed Forest	0	0	0	0	0	0	0	237	5	0	0	0	0	0	242
Urban	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	226	38	113	224	63	0	0	743	190	176	50	0	19	0	1841



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2014

Compartment 176
Total Compartment Acres: 1841

Acres by Treatment Type

Commercial Harvest - 223	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 107
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	17	0	0	0	0	0	17
Jack Pine	8	0	0	0	0	0	8
Natural Mixed Pines	0	0	14	0	0	0	14
Oak	22	0	0	0	0	0	22
Red Pine	142	0	0	0	20	0	163
Total	189	0	14	0	20	0	223



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	54176003-Cut	16.8	4133 - Aspen, Mixed Pine	High Density Log	70	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -leave all wp and oak -leave 1 rp per acre, select significantly older rp when opportunity arises -retention pocket(s) 3-7% <u>Other</u> <u>Comments:</u> <u>Next</u> -regen survey 3-5 years <u>Steps:</u> -aspen, pine, oak, and red maple regeneration of medium to well stocking is expected <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
12	54176012-Cut	7.0	42110 - Planted Red Pine	Medium Density Log	74	111-140	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -leave 1 wp per acre along treatment edge -no other retention necessary due to size -require whole tree skidding of pine to help remove poor quality stems -require chipping of tops <u>Other</u> <u>Comments:</u> <u>Next</u> -prep site using mechanical and/or chemical means, trench, and plant to rp <u>Steps:</u> -rp, oak, rm, and other pine regeneration of medium to well stocking is expected <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
13	54176013-Cut	13.8	42250 - Pine, Oak	High Density Log	77	81-110	Harvest	Seed Tree with Reserves	42211 - Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -seed-tree cut leaving 20-30 BA of rp and oak <u>Specs:</u> -no other retention necessary for regen purposes -require whole tree skidding of pine to help remove poor quality oak and scarify -require chipping of tops <u>Other</u> <u>Comments:</u> <u>Next</u> -scarify post harvest, if needed <u>Steps:</u> -regen survey 3-5 years -remove residual rp, trench, and replant to rp if stocking is low -rp, oak, and rm regeneration of medium to well stocking is expected <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
15	54176015-Cut	9.6	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	77	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> -thin rp to 100-110 BA (partial stand treatment- see trmt layer) <u>Specs:</u> -protect recreational trails in specs <u>Other</u> <u>Comments:</u> <u>Next</u> -merge treated area back into original stand upon treatment completion <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	54176015-Cut1	25.6	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	77	111-140	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> -clearcut (partial stand treatment- see trmt layer) <u>Specs:</u> -use 2" spec - retention pocket(s) 3-5% on edge of treatment along trail - mark/cruise during leaf-off for best visibility - protect trail running n-s through stand - require chipping of tops <u>Other:</u> -cut all aspen, RM, and JP, completed 2004 <u>Comments:</u> -subcanopy rm aspen diameter .25-.5in <u>Next Steps:</u> -remove residual rm & aspen saplings using mechanical, chemical, or thermal means individually or in combination - trench and plant to rp - regen survey - rp, oak, rm, and aspen regeneration of medium to well stocking is expected <u>Proposed Start Date:</u> 10/01/2013										
17	54176017-Cut	25.2	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	77	51-80	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> -clearcut (partial stand treatment- see trmt layer) <u>Specs:</u> -use 2" spec - retention pocket(s) 3-5% on edge of treatment along trail - mark/cruise during leaf-off for best visibility - protect trail running n-s through stand - require chipping of tops <u>Other:</u> -cut all aspen, RM, and JP, completed 2004 <u>Comments:</u> -subcanopy rm aspen diameter .25-.5in <u>Next Steps:</u> -remove residual rm & aspen saplings using mechanical, chemical, or thermal means individually or in combination - trench and plant to rp - regen survey - rp, oak, rm, and aspen regeneration of medium to well stocking is expected <u>Proposed Start Date:</u> 10/01/2013										
37	54176037-Cut	76.6	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	77	51-80	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> -clearcut <u>Specs:</u> -use 2" spec - retention pocket(s) 3-7% along trails - mark/cruise during leaf-off for best visibility - protect recreational trails in specs - require chipping of tops <u>Other:</u> -cut all rm and aspen 15 years ago <u>Comments:</u> <u>Next Steps:</u> -remove residual rm & aspen saplings using mechanical, chemical, or thermal means individually or in combination - trench and replant to rp - rp, oak, rm, and aspen regeneration of medium to well stocking is expected <u>Proposed Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
39	54176039-Cut	2.4	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	78	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> -thin high density areas to 100-110 BA and leave other areas with adequate crown spacing unmarked <u>Specs:</u> -residual BA may be lower than this overall due to low density areas to the south but should not go below 80 BA -protect recreational trails in specs <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
46	54176046-Cut	22.0	4121 - Oak, Aspen	High Density Log	83	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut leaving 1-3 oak/acre (partial stand harvest- see trmt layer) <u>Specs:</u> -leave all white pine and red pine for visual -3-7% retention within treatment area nw of Cedar Beech Lane for visual -follow traversed treatment boundary to exclude areas of difficult terrain, primarily mast oak and pine, and heavy to subcanopy pine where harvesting would do more damage than good -do not run boundary line down ridges to lowland below to the sw -require shortwood to protect subcanopy pine regen <u>Other</u> -located north survey corner iron/re-rod in road for west line <u>Comments:</u> <u>Next</u> -regen survey 3-5 years <u>Steps:</u> -aspen, oak, and mixed conifer regeneration of medium to well stocking is expected <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
49	54176049-Cut	7.8	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	74	51-80	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -use 2" spec -leave retention pocket(s) 3-7% -mark/cruise during leaf-off for best visibility -protect recreational trails in specs -require chipping of tops <u>Other</u> <u>Comments:</u> <u>Next</u> -remove residual rm & aspen saplings using mechanical, chemical, or thermal means individually or in combination <u>Steps:</u> -trench and replant to rp -rp, oak, rm, and aspen regeneration of medium to well stocking is expected <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
52	54176052-Cut	8.4	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	78	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> -thin high density areas to 100-110 BA and leave other areas with adequate crown spacing unmarked <u>Specs:</u> -residual BA may be lower than this overall due to low density areas to the south but should not go below 80 BA <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
68	54176068-Cut	7.8	42220 - Natural Jack Pine	Medium Density Pole	71	1-50	Harvest	Clearcut	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -clearcut while trees are still sound <u>Specs:</u> -retention strip 3-7% (concentrate leaving strip (>10 BA) along seed-tree cut to the adjacent west to bring treatment into compliance with green-up guidelines) <u>Other</u> -jp are declining <u>Comments:</u> <u>Next Steps:</u> -trench and replant to jp <u>Proposed Start Date:</u> 10/01/2013										
65	NF_54176065- Regen Survey	107.4	3302 - Low Density Conifer Trees				Other	Unspecified	42211 - Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -regen survey 3-5 years from harvest completion <u>Specs:</u> -will accept medium to well stocking of any mix of pine, oak, beech and aspen <u>Other</u> -seed-tree harvest completed in fall 2010 leaving 20-30BA residual <u>Comments:</u> <u>Next Steps:</u> -scarify or remove overstory (leave retention along trail (3-7%)) if regeneration is low stocking -trench and replant to rp <u>Proposed Start Date:</u> 10/01/2013										

**Total Treatment
Acreage Proposed: 330.6**

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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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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
54002031-N-CCR Burn/Scarify	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete

Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

54002031-N-CCR Burn/Scarify	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete
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Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

**Total Treatment
Acreage Proposed: 5.8**

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 176

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	Medium Density Log	24.2	74	51-80	-more variable diameter rp due to intermixed aspen
2	4130 - Aspen	High Density Sapling	37.1	5		-good vigorous bta growth
3	4133 - Aspen, Mixed Pine	High Density Log	16.8	70	51-80	-mast oak
4	4199 - Other Mixed Upland Deciduous	High Density Log	3.4	87	51-80	-buffer left for intersection -small mixed n hwd stand
5	6112 - Lowland Aspen	Medium Density	29.6	15		-fairly poor regeneration in aspen
6	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	33.3	77	51-80	-planted pine with poor site prep, a lot of aspen -RP have sufficient spacing and are healthy -about 60% oak saps in subcanopy
7	42260 - Natural Pine, Mixed Deciduous	Medium Density Log	14.8	81	51-80	-highly variable stand- species, terrain, and density -mast oak -less timber and more wildlife value for large branchy WP -hemlock pocket in central portion of stand, healthy -some jp mortality -rp most-likely was planted, rest of pine is natural -some huge 40 inch wp in central portion of stand -oak are healthy
8	6112 - Lowland Aspen	High Density Log	11.3	82	51-80	-stand was created from lack of survey corners along pvt
9	4130 - Aspen	High Density Pole	31.8	37		-scattered large oak left from previous harvest
10	4130 - Aspen	High Density Pole	63.3	26		
11	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	67.7	77	81-110	-a lot of oak in subcanopy, most is of poor form due to browsing
12	42110 - Planted Red Pine	Medium Density Log	7.0	74	111-140	-minor components of jp and aspen -about 40% coverage rm saps and 15% oak
13	42250 - Pine, Oak	High Density Log	13.8	77	81-110	
15	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	112.1	77	111-140	-fair amount of rm and aspen most of stand 50% of stand coverage
16	4319 - Mixed Upland Forest	High Density Log	5.1	87	81-110	-about 1/3rd of aspen showing internal rot, conks -very diverse stand



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	25.6	77	51-80	-loaded with mostly rm -mod.-good quality rp site -site conditions become better when heading west
18	4133 - Aspen, Mixed Pine	High Density Log	7.2	82		
19	4191 - Mixed Upland Deciduous with Conifer	High Density Log	15.9	72	81-110	-steep in some places -mostly aspen to thee south
20	4310 - Pine, Oak Mix	Medium Density Log	205.7	74	51-80	-low-medium site quality -smaller rp and more variable diameters -most of stand appears to be of natural origin -lowest RP site quality in compartment
21	42210 - Natural Red Pine	High Density Log	2.2	123	51-80	-oldest patch/sliver of natural pine in compartment
22	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	25.8	92	51-80	
23	4191 - Mixed Upland Deciduous with Conifer	High Density Log	25.7	91	81-110	
24	4133 - Aspen, Mixed Pine	High Density Log	6.1	82		
25	4130 - Aspen	High Density Sapling	112.9	32		
26	4131 - Aspen, Oak	High Density Log	15.8	83		-a lot of illegal orv use
27	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	4.0	83		
28	4199 - Other Mixed Upland Deciduous	High Density Sapling	4.6	15		
29	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	31.6	82	1-50	
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	22.8	83	51-80	-50-60% slope -high rec use
31	4132 - Aspen, Jack Pine	Medium Density	27.4	32		-broke out stand due to density change
32	4130 - Aspen	High Density Sapling	12.6	25		
34	4123 - Red Oak	Medium Density Log	63.4	93	51-80	-mast oak stand due to semi-openness

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5 – Forested Stands

Compartment: 176

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4191 - Mixed Upland Deciduous with Conifer	High Density Log	10.3	83	51-80	
36	4191 - Mixed Upland Deciduous with Conifer	High Density Log	27.2	74	51-80	-more residual oak in this stand vs perimeter/adj stand
37	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	76.6	77	51-80	-a lot of recreational use -LOADED WITH RM (70-80% coverage), more extreme to west where site quality becomes better, needs to be controlled
38	4130 - Aspen	High Density Log	6.4	76		New stand added. -aspen left as a buffer
39	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	2.4	78	111-140	-extreme rm competition and the best site quality for rp in the compartment
40	4130 - Aspen	High Density Sapling	3.4	16		-small pocket of primarily young aspen
41	4131 - Aspen, Oak	High Density Pole	40.2	46		-more oak to east where site quality becomes worse with rising slope/elevation -mostly aspen to western half
42	4199 - Other Mixed Upland Deciduous	High Density Pole	18.3	43	51-80	-thin buffer of older aspen left along Dorva Beach Rd -stand contains largest pine in the compartment -small lowland area within central portion of stand with mostly red maple and a trace of hemlock -oak and aspen are healthy
43	6118 - Lowland Deciduous with Cedar	High Density Sapling	4.3	40		
44	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	10.6	92	111-140	-steep access
45	4130 - Aspen	High Density Pole	37.3	25		-high density and vigorous
46	4121 - Oak, Aspen	High Density Log	45.9	83	51-80	
49	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	8.0	74	51-80	-small stand with rec. use -aspen, rm, and oak were removed 43 yrs ago
50	6118 - Lowland Deciduous with Cedar	Medium Density Log	4.2	84	1-50	New stand added. -dogwood present around perimeter mostly -SOME RED MAPLE THAT HASN'T BEEN CUT!!!!
51	4133 - Aspen, Mixed Pine	High Density Sapling	6.0	1	1-50	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	8.4	78	111-140	-extreme rm competition and the best site quality for rp in the compartment
53	4123 - Red Oak	High Density Log	49.1	93	51-80	-more than usual amounts of white pine and red pine coming in under oak and aspen -oak and pine are healthy
54	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	49.6	107	51-80	-most oak is of poor quality and mast trees -rp are healthy -appear to have cut all aspen and rm about 18 years ago
55	4133 - Aspen, Mixed Pine	High Density Sapling	3.6	1	1-50	
56	4191 - Mixed Upland Deciduous with Conifer	High Density Log	7.1	83		-older pocket of aspen with oak that was left for an assumed trail buffer
57	4130 - Aspen	High Density Pole	28.3	39	51-80	-very high density aspen
58	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	14.7	74	51-80	-rows somewhat hard to define -poor site prep when it was planted -rp released and healthy -fair amount of partially suppressed aspen, same age as aspen to adj south
59	4310 - Pine, Oak Mix	High Density Log	30.8	74	81-110	-orv and ski trails pass through stand -most oak are healthy have well developed crowns -rp was interplanted with oak -loaded with red maple in subcanopy with traces of juneberry
60	4191 - Mixed Upland Deciduous with Conifer	High Density Log	16.8	123	51-80	-rp are healthy and have adequate spacing -oak is of poor timber quality but great for wildlife due to large crowns, old age, and cavities
61	4130 - Aspen	High Density Pole	17.7	39	51-80	-high density aspen
62	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	18.5	74	81-110	-plowline towards se portion of stand, IA fire? -rows from planting evident in some areas -rp have adequate spacing and are healthy
63	4131 - Aspen, Oak	High Density Log	1.6	94	51-80	-highly variable pocket
64	4133 - Aspen, Mixed Pine	High Density Sapling	25.9	1	1-50	
66	42110 - Planted Red Pine	High Density Log	20.3	74	81-110	-about 60-70% oak is adv regen -good quality rp and adequate spacing -site quality and rp diameters increase heading north through stand -most adv oak regen I've seen yet, close to 70% coverage, is definitely stocked in oak

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 176
Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	4130 - Aspen	High Density Pole	5.7	33		
68	42220 - Natural Jack Pine	Medium Density Pole	7.8	71	1-50	-fairly low density pine with aspen



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
14	122 - Road/Parking Lot	13.8	No	Unspecified	
33	3102 - Grass	20.6	No	Unspecified	
47	3302 - Low Density Conifer Trees	2.9	Yes	Natural Mixed Pines	
48	122 - Road/Parking Lot	6.7	No	Unspecified	
65	3302 - Low Density Conifer Trees	109.8	Yes	Natural Mixed Pines	



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
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