



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 7 ENTRY YEAR: 2014

Compartment Acreage: 1730 County: Montmorency

Revision Date: July 3, 2012

Stand Examiner: Darrick Coy

Legal Description: T29N R2E Sections 4, 5, and 6

Management Area: Avery Hills

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 reserve and regenerate the older aspen age classes, improve vigor in oak stands through thinning, and be designed to minimize impacts on recreational users.

Soil and Topography: Soils are mostly well to excessively drained sands, specifically, Rubicon and Roselawn in uplands. Lowlands are fairly sparse in the compartment and mostly occur in small narrow areas. Overall, the topography is rolling to steep. The compartment forest habitat types are mostly PArVHa & PArVVb.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly state owned land, a private ski club converted into a hunting club juts into the compartment within section 6. State land borders to the adjacent north and south of the compartment. Land use within the compartment is primarily, antrim oil and gas, ORV recreation, and various hunting activities. Some year-round dwellings occur to the east of the compartment along Avery Lake to the northeast.

Unique, Natural Features: Contains potential occurrences of grizzled zipper, sloe plum, and common loon. See MNFI records.

Archeological, Historical, and Cultural Features: Potential old farm sites and prehistoric use.

Special Management Designations or Considerations: Portions of state forestland located within section 4 were previously designated as Special Conservation Areas (SCAs) for potential old growth. All previously designated SCA old growth stands that were non-forest or recently clearcut have been undesignated. Other forested stands had potential SCA old growth designations removed due to not meeting criteria or having characteristics of an old growth forest. Management activities within all SCA stands are restricted and must follow Work Instruction 1.4 guidelines. Also, all management activities must follow Best Management Practice (BMP) guidelines when conducted within the areas that are significantly wet and adjacent to Avery Lake.

Watershed and Fisheries Considerations: Sheridan Creek, tributaries to Crooked Creek, and Avery Lake.

Wildlife Habitat Considerations: Compartment 7 is part of a larger complex of State Forest dominated by oak and aspen on steep hilly ridges. There is a diverse mix of aspen age classes. In the previous review period it was recommended that no cutting occur to allow some aspen to mature and be cut during this review period to maintain these diverse age classes. Current prescriptions will allow this to occur as intended. The young aspen created by harvest will benefit several featured wildlife species including American woodcock and ruffed grouse. Oak thinning will allow the remaining oak to retain vigor and benefit species such as wood duck and white-tailed deer. Several openings within this compartment are in need of being reclaimed or maintained to enhance their value to wildlife such as wild turkey and deer.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. The nearest gravel pit is located two miles to the south. There should be gravel potential on the upland areas. This area has been drilled and is producing gas from the Antrim Shale.

Vehicle Access: Access to the compartment is almost too good. There are quite a few of access two-tracks were created from oil and gas easements. Trash dumping within the compartment was surprisingly minimal.

Survey Needs: Section 6 private parcels

Recreational Facilities and Opportunities: The area is primarily used for ORVs, hunting, and fishing. Some existing illegal ORV route locations will be blocked off through timber sale specifications. Any means of blocking access for ORVs using the existing powerline to the east will most-likely fail or prove to be extremely difficult due to heavy use.

Fire Protection: Atlanta DNR office

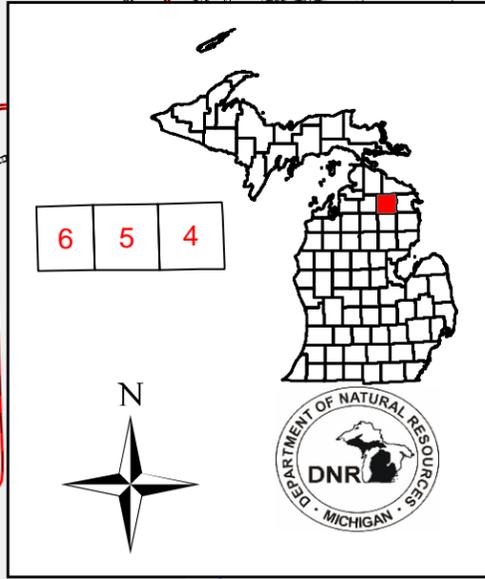
Additional Compartment Information:

- 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

Compartment: 7
 T29N R02E Sec. 4, 5, 6
 County: Montmorency
 Unit: Atlanta
 YOY: 2014
 Acres: 1,730 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 08/17/2012
 Map Phase: Pre-Review



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

Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Pipe
- Power
- Stream
- Intermittent Stream
- Lakes and Rivers
- Motorcycle Trails (SOS License)
- Motorcycle Trails (DNR License)
- MCCCT Trails
- Snowmobile Trails
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- Snowmobile Trail
- MCCCT Trail

Treatments

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

Forest Stands

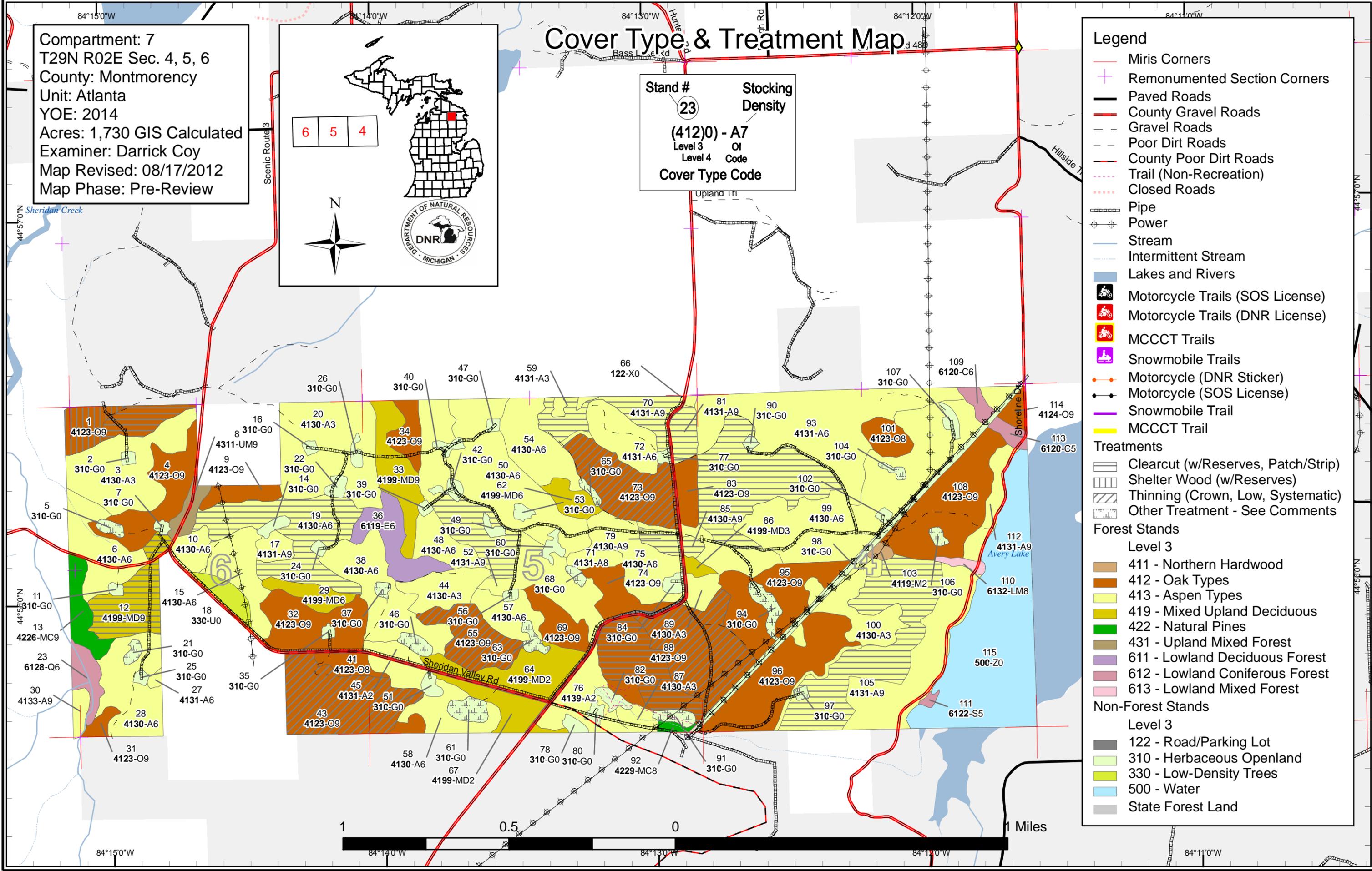
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

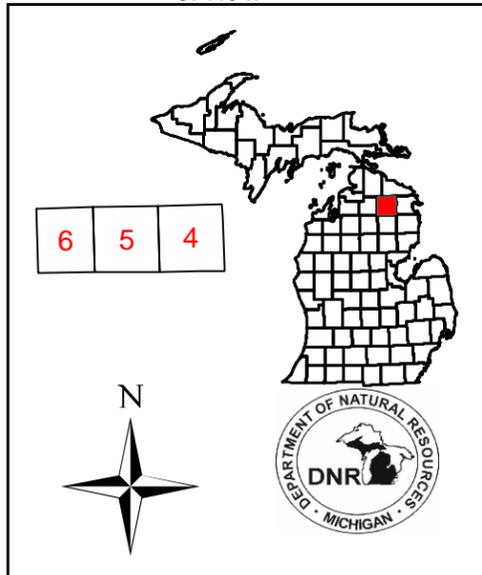
Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- State Forest Land



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 Map Phase: Pre-Review



Dedicated & Proposed Special Conservation Area Map

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

- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Stand Boundaries
 - Forest Stands**
 - Level 3
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands**
 - Level 3
 - 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - Proposed Special Conservation Areas**
 - ▨ SCA - Special Conservation Area
 - ▩ SCA Removal
 - Designate Special Conservation Areas**
 - ▲ Campgrounds
 - ⚓ Boat Access Sites
 - Cold Water Streams
 - Cold Water Lakes

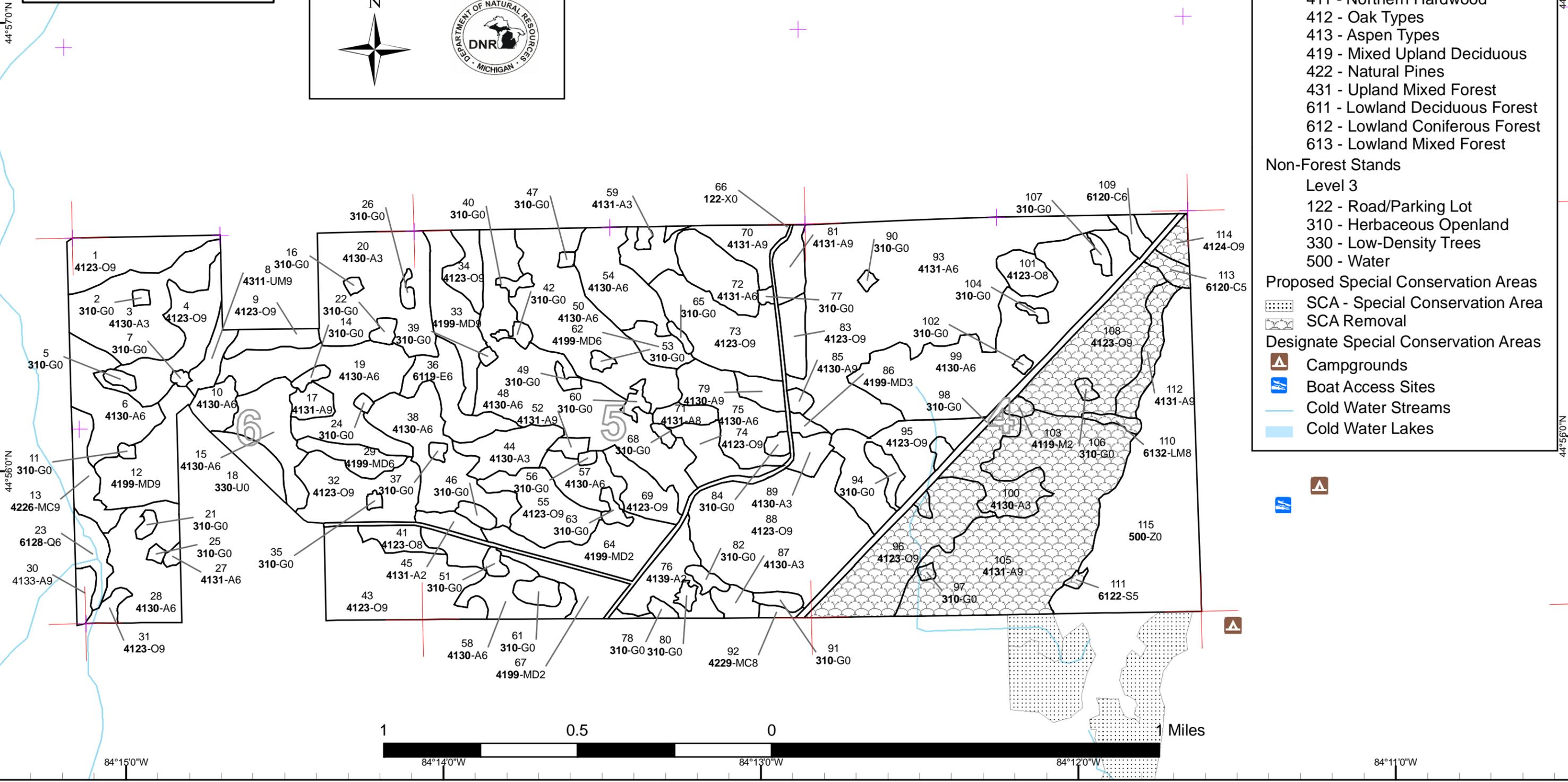


Table 1 – Total Acres by Cover Type and Age Class



	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 +	Unretn Age	
Aspen	30	82	140	449	70	0	0	0	20	144	0	0	0	0	933
Cedar	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7
Herbaceous Openland	85	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9
Lowland Deciduous	0	0	0	0	0	0	0	0	0	18	0	0	0	0	18
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Lowland Spruce/Fir	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	36	0	2	8	0	0	0	0	25	29	0	0	0	0	100
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	12	2	0	13
Northern Hardwood	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Oak	0	0	0	0	0	0	0	0	87	345	0	0	0	0	432
Upland Mixed Forest	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Total	272	84	142	457	70	0	0	0	137	536	7	23	2	0	1730



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2014

Compartment 007
Total Compartment Acres: 1730

Acres by Treatment Type

Commercial Harvest - 428	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 29	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen	213	0	0	0	0	0	213
Mixed Upland Deciduous	25	0	0	0	0	0	25
Oak	40	0	0	10	140	0	190
Total	277	0	0	10	140	0	428



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	54007001-Cut	10.4	4123 - Red Oak	High Density Log	87	51-80	Harvest	Shelter Wood with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal
<u>Prescription</u> -shelterwood- leave 30-40 BA of oak and pine (partial stand treatment -see treatment layer)										
<u>Specs:</u> -select mast oak to leave to help protect wp during felling and bucking operations -no other retention needed, all species represented -require shortwood only and protect sapling pine in sale specs										
<u>Other Comments:</u>										
<u>Next</u> -regen survey 3-5 years										
<u>Steps:</u> -oak, pine, and red maple regeneration of medium to well stocking is expected										
<u>Proposed Start Date:</u> 10/01/2013										
1	54007001- Cut1	10.7	4123 - Red Oak	High Density Log	87	51-80	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut (partial stand treatment -see treatment layer)										
<u>Specs:</u> -leave 3-7% in retention as multiple scattered clumps of all representative tree species										
<u>Other Comments:</u>										
<u>Next</u> -regen survey 3-5 years										
<u>Steps:</u> -oak, aspen, and red maple regeneration of medium to well stocking is expected										
<u>Proposed Start Date:</u> 10/01/2013										
12	54007012-Cut	24.6	4199 - Other Mixed Upland Deciduous	High Density Log	84		Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -leave all pine and white oak -mark an additional 1-2 oak/acre (mast red oak) -shortwood only in specs -protect wp saps in specs -leave 3-7% in retention pocket(s)										
<u>Other Comments:</u>										
<u>Next</u> -regen survey 3-5 years										
<u>Steps:</u> -aspen, oak, and red maple regeneration of medium to well stocking is expected										
<u>Proposed Start Date:</u> 10/01/2013										
19	54007019-Cut	44.8	4130 - Aspen	High Density Pole	46		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -protect wet areas with buffering 2-3 chains -leave all pine (mostly to the NE) -retain 1-2 mast oak/acre (oak that were not removed from previous clearcut) -leave 3-7% in retention pockets										
<u>Other Comments:</u>										
<u>Next</u> -aspen, red maple, and oak regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<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
43	54007043-Cut	43.9	4123 - Red Oak	High Density Log	95	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal

Prescription -thin stand to 80-90ba

Specs:
 -partial stand treatment for steep area to southeast being excluded (see treatment layer)
 -mark all trees (use boundary line if desired) to cut in dominant large aspen pockets (primarily in center of treatment area)
 -some areas will be unmarked to south and northwest
 -mark unthrifty/small crowned trees
 -do not cut all rm and aspen, mark-to-cut as needed
 -suggest mark to cut/cruise during leaf off for best visibility
 -avoid cutting white oak when other trees are available
 -shortwood only in specs
 -require protecting skid trails/slopes with slash, waterbars, and berms per sale administrators request upon exiting sale for slopes and potential new illegal ORV use

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2013

48	54007048-Cut	21.2	4130 - Aspen	High Density Pole	36		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription -clearcut (partial stand treatment, see treatment layer)

Specs:
 -retention pockets 3-10% treatment acreage

Other

Comments:

Next

-aspen regeneration of medium to well stocking is expected

Steps:

Proposed

Start Date: 10/01/2013

55	54007055-Cut	21.9	4123 - Red Oak	High Density Log	92	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
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Prescription -thin stand to 80-90ba

Specs:
 -mark unthrifty/small crowned trees
 -do not cut all rm and aspen, mark-to-cut as needed
 -avoid cutting white oak when other trees are available
 -shortwood only in specs
 -put redline along hilltop towards NW portion of stand giving forwarding equipment room to operate
 -avoid marking to cut on slopes >35% with no equipment access
 -require protecting skid trails/slopes with slash, waterbars, and berms per sale administrators request upon exiting sale for slopes and potential new illegal ORV use

Other

Comments:

Next

Steps:

Proposed

Start Date: 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
70	54007070-Cut	19.9	4131 - Aspen, Oak	High Density Log	92		Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -leave 3-7% in retention pockets -maintain 66ft buffer between higher quality oak stand to south (reduce epicormic branching) (advise lumping with thinned treatment and leaving unmarked) -buffer will serve as 3-7% acreage retention -leave all pine and white oak -leave 1-2 red oak/acre -protect subcanopy pine in specs -shortwood only for slopes in specs										
<u>Other</u> -timber trespass within adjacent stand to NW										
<u>Comments:</u> -survey corners are in and bases of trees along PVT/State already painted with blue from trespass										
<u>Next</u> -aspen and oak regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<u>Proposed</u> Start Date: 10/01/2013										
73	54007073-Cut	32.3	4123 - Red Oak	High Density Log	92	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> -thin stand to 80-90ba										
<u>Specs:</u> -mark unthrifty/small crowned trees -do not cut all rm and aspen, mark-to-cut as needed -avoid cutting white oak when other trees are available -shortwood only in specs										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u> Start Date: 10/01/2013										
79	54007079-Cut	4.5	4130 - Aspen	High Density Log	88		Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -maintain 66ft buffer between higher quality oak stand to north (reduce epicormic branching) (advise lumping with thinned treatment and leaving unmarked) -buffer will serve as 3-7% acreage retention										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> -aspen regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<u>Proposed</u> Start Date: 10/01/2013										
81	54007081-Cut	7.5	4131 - Aspen, Oak	High Density Log	87	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -leave 1-2 oak/acre (red oak only) and all pine and white oak -require shortwood for visual concerns and potential erosion from hills -no other retention necessary (already excluded to north by curve/steep terrain) -protect subcanopy pine in specs										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> -aspen, oak, and red maple regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<u>Proposed</u> Start Date: 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
85	54007085-Cut	2.2	4130 - Aspen	High Density Log	88		Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -no retention due to size										
<u>Other Comments:</u>										
<u>Next Steps:</u> -aspen regeneration of medium to well stocking is expected										
<u>Proposed Start Date:</u> 10/01/2013										
88	54007088-cc- Cut	28.9	4123 - Red Oak	High Density Log	93	111-140	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut (partial stand treatment, see treatment layer)										
<u>Specs:</u> -leave 1 clump of 2-3 oak per acre										
-leave 3-10% in retention pocket(s)										
-protect ORV trail in specs										
-require logger to place some berms, logging slash, and drop a few designated trees at scramble area OFS locations to the west to help prevent further erosion and illegal ORV use in sale specs (see OFS layer)										
-shortwood only in specs for slopes										
-require protecting skid trails/slopes with slash, waterbars, and berms per sale administrators request upon exiting sale for slopes and potential new illegal ORV use										
<u>Other Comments:</u>										
<u>Next Steps:</u> -regen survey 3-5 years										
-oak, aspen, and red maple regeneration of medium to well stocking is expected										
<u>Proposed Start Date:</u> 10/01/2013										
88	54007088-Cut	42.2	4123 - Red Oak	High Density Log	93	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> -thin stand to 80-90ba (partial stand treatment, see treatment layer)										
<u>Specs:</u> -mark unthrifty/small crowned trees										
-do not cut all rm and aspen, mark-to-cut as needed										
-suggest mark to cut/cruise during leaf off for best visibility										
-avoid cutting white oak when other trees are available										
-protect ORV trail in specs										
-shortwood only in specs										
-require protecting skid trails/slopes with slash, waterbars, and berms per sale administrators request upon exiting sale for slopes and potential new illegal ORV use										
-avoid damaging illegal burial site (see OFS)										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<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
93	54007093-Cut	54.7	4131 - Aspen, Oak	High Density Pole	36		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -leave 1 clump of 2-3 oak per acre -leave 3-10% in retention pocket(s) -use two-tracks for N, E, and S treatment boundaries <u>Other</u> <u>Comments:</u> <u>Next</u> -medium to well stocking of aspen, red maple, and oak regeneration is expected <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
105	54007105-Cut	58.5	4131 - Aspen, Oak	High Density Log	93	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut (partial stand treatment, see treatment layer) <u>Specs:</u> -keep sale boundary to the NW side of the ridgeline heading to the NE-SW -leave the delineated uncut ~400ft buffer along lake for areas of difficult terrain (slope over 35%) and to alleviate visual concerns for lakeside users -maintain 66ft aspen buffer between higher quality oak stand to west (reduce epicormic branching) -leave all pine and white oak -leave 1-2 oak acre (red oak) -leave 7-10% in retention pockets, inside RX area only for slopes over 35% -shortwood only in specs -require protecting skid trails/slopes with slash, waterbars, and berms per sale administrators request upon exiting sale for slopes and potential new illegal ORV use <u>Other</u> <u>Comments:</u> <u>Next</u> -aspen, oak, and red maple regeneration of medium to well stocking is expected <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
5	NF_54007005- NonFor	1.9	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife <u>Specs:</u> <u>Other</u> Steep slope on south side. plant high ground. <u>Comments:</u> <u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										
21	NF_54007021- NonFor	1.7	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37	NF_54007037- NonFor	1.2	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
46	NF_54007046- NonFor	2.9	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
61	NF_54007061- NonFor	4.6	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
63	NF_54007063- NonFor	2.5	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
65	NF_54007065- NonFor	1.3	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										



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	NF_54007068- NonFor	1.4	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
91	NF_54007091- NonFor	3.0	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
94	NF_54007094- NonFor	4.5	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
97	NF_54007097- NonFor	0.9	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
104	NF_54007104- NonFor	1.3	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	NF_54007106- NonFor	1.4					Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
<hr/>										
Total Treatment Acreage Proposed:		456.6								

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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**



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4123 - Red Oak	High Density Log	21.2	87	51-80	-rolling terrain
3	4130 - Aspen	High Density Sapling	39.2	15		
4	4123 - Red Oak	High Density Log	23.2	83	51-80	
6	4130 - Aspen	High Density Pole	24.3	26		-some larger oak patches to SE treated as inclusion
8	4311 - Pine, Aspen Mix	High Density Log	6.5	86		-heavier to pine to north and aspen to south
9	4123 - Red Oak	High Density Log	7.5	87	51-80	-some old unharvested portion to the eastern 1/3rd of stand
10	4130 - Aspen	High Density Pole	7.7	25		
12	4199 - Other Mixed Upland Deciduous	High Density Log	24.6	84		
13	42260 - Natural Pine, Mixed Deciduous	High Density Log	11.6	116	1-50	
15	4130 - Aspen	High Density Pole	19.5	42		-stand seems to be slightly younger than adjacent aspen to the east -texture on imagery appears to be finer and more rm and less oak in this stand well
17	4131 - Aspen, Oak	High Density Log	5.3	46		-same age as aspen to south, just more oak left from previous clearcut
19	4130 - Aspen	High Density Pole	44.8	46		-wet areas, especially on road -North and SE corner- small wet areas to north end by road (see OFS) and to SE tip
20	4130 - Aspen	High Density Sapling	50.2	25		-ponds and drainages to the SE portion of stand (SEE OFS)
23	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	8.7	116		-conifer corridor along upper main branch of Sheridan creek -from e-w species dominate quadrants as follows- aspen, wp/cedar/rp, and cedar to west -woodpeckers using a fair amount of cedar -smaller pole cedar west of creek and more log-sized cedar east of creek
27	4131 - Aspen, Oak	High Density Pole	1.1	91		
28	4130 - Aspen	High Density Pole	29.4	32		-fence along east edge -rolling to hilly terrain

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 007

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4199 - Other Mixed Upland Deciduous	High Density Pole	8.6	94		-very similar to small stand to the north, larger oak in this stand though, huge mast oak
30	4133 - Aspen, Mixed Pine	High Density Log	3.9	85		
31	4123 - Red Oak	High Density Log	3.3	89	51-80	-on side of a steep hill (40-60%) and adjacent to stream/riparian area below
32	4123 - Red Oak	High Density Log	27.4	93	51-80	-good quality oak -most oak are around 13-14 average dbh
33	4199 - Other Mixed Upland Deciduous	High Density Log	20.6	94	51-80	-very diverse stand with scattered pools/small ponds -hemlock and cedar pockets
34	4123 - Red Oak	High Density Log	8.6	94	81-110	-excellent oak, fair amount of veneer in stand -high quality site, best quality oak in compartment -some beech and sugar maple
36	6119 - Mixed Lowland Deciduous Forest	High Density Pole	17.9	94		-many ponds and seeps -wettest in center of stand -wp mostly within south portion of stand boot -wear rubber boots!!
38	4130 - Aspen	High Density Pole	33.0	37		
41	4123 - Red Oak	Medium Density Log	6.5	97	1-50	
43	4123 - Red Oak	High Density Log	46.6	95	81-110	-average quality oak
44	4130 - Aspen	High Density Sapling	15.0	16		-bottom and side of a steep north slope
45	4131 - Aspen, Oak	Medium Density	10.8	6		
48	4130 - Aspen	High Density Pole	71.2	36		-recommend breaking up this stand now due to high amount of 36 year old aspen within the compartment
50	4130 - Aspen	High Density Pole	52.0	26		-more open and qa to northern 1/3rd
52	4131 - Aspen, Oak	High Density Log	2.5	99		-small old pocket
54	4130 - Aspen	High Density Pole	23.8	37		
55	4123 - Red Oak	High Density Log	21.9	92	81-110	

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	4130 - Aspen	High Density Pole	12.7	37		
58	4130 - Aspen	High Density Pole	14.1	37		
59	4131 - Aspen, Oak	High Density Sapling	2.0	1		
62	4199 - Other Mixed Upland Deciduous	High Density Pole	7.6	37	1-50	
64	4199 - Other Mixed Upland Deciduous	Medium Density	22.9	6		-very mixed stand
67	4199 - Other Mixed Upland Deciduous	Medium Density	13.1	6		-very mixed stand
69	4123 - Red Oak	High Density Log	11.9	86	81-110	-heavier to mature aspen to northern 1/3rd
70	4131 - Aspen, Oak	High Density Log	20.7	92		
71	4131 - Aspen, Oak	Medium Density Log	5.1	98		-rm subcanopy well established and starting to reach the canopy in declining aspen gaps -contains some of the largest aspen and oak in the compartment
72	4131 - Aspen, Oak	High Density Pole	18.0	37		- MAST WHITE OAK IN SE
73	4123 - Red Oak	High Density Log	32.3	92	81-110	
74	4123 - Red Oak	High Density Log	11.6	83	81-110	-heavier to aspen in northern 1/3rd
75	4130 - Aspen	High Density Pole	24.6	37		
76	4139 - Aspen, Mixed Deciduous	Medium Density	17.4	5		
79	4130 - Aspen	High Density Log	5.5	88		
81	4131 - Aspen, Oak	High Density Log	8.1	87	51-80	
83	4123 - Red Oak	High Density Log	8.0	87	51-80	-more mast oak and white oak in this stand due to lower density -traces of aspen
85	4130 - Aspen	High Density Log	2.2	88		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
86	4199 - Other Mixed Upland Deciduous	High Density Sapling	2.3	25		
87	4130 - Aspen	High Density Sapling	5.1	13		
88	4123 - Red Oak	High Density Log	74.6	93	111-140	
89	4130 - Aspen	High Density Sapling	5.8	25		
92	42290 - Natural Mixed Pine	Medium Density Log	1.8	166	1-50	-old growth rp with younger wp and aspen
93	4131 - Aspen, Oak	High Density Pole	139.6	36		-broke out stand to the adjacent south due to it being on slightly better site for aspen and primarily aspen -this stand has more hills and has more pole oak and rm
95	4123 - Red Oak	High Density Log	32.3	93	81-110	-most oak are healthy -approx. 25-35% coverage of rm in subcanopy -more of a poor site to the northern 1/3rd of stand with increasingly better site quality as one goes south -fairly broken-up canopy to southern 1/2, more mast oak and declining aspen, all average site for this portion
96	4123 - Red Oak	High Density Log	40.3	94	51-80	
99	4130 - Aspen	High Density Pole	82.0	36	51-80	
100	4130 - Aspen	High Density Sapling	22.4	15		
101	4123 - Red Oak	Medium Density Log	8.2	95	51-80	-oak on a hill
103	4119 - Mixed Northern Hardwoods	Medium Density	1.8	15	1-50	-scattered log oak with mod. stocked rm subcanopy -will be limby/poor quality rm
105	4131 - Aspen, Oak	High Density Log	103.6	93	81-110	-high density log aspen -not much underneath aspen besides rm and witch hazel -heavier to oak to sw and nw of stand -aspen still fairly sound for age
108	4123 - Red Oak	High Density Log	42.5	92	51-80	-two-aged -appears that rm and aspen were cut in the 70s releasing oak crowns
109	6120 - Lowland Cedar	High Density Pole	3.7	102	81-110	-small 2ft stream bisects stand -larger log cedar to outer edges with smaller pole cedar towards the interior where soil saturation is high -heavy to balsam fir closer to the stream and smaller cedar

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 007
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
110	6132 - Mixed Lowland Forest with Cedar	Medium Density Log	2.4	115		-low ground drainageway to avery lake with a fair amount of cedar
111	6122 - Black Spruce	Medium Density Pole	1.0	38		
112	4131 - Aspen, Oak	High Density Log	10.6	93		-it is a relatively pure vigorous stand of aspen and oak
113	6120 - Lowland Cedar	Medium Density Pole	3.8	102	81-110	-small 2 ft stream bisects stand -larger log cedar to outter edges with smaller pole cedar towards interior where soil saturation is high -high amount of blowdown to east of powerline due to tight crowns
114	4124 - Red with White Oak	High Density Log	4.1	99	51-80	-small oak stand -mast oak with fair wp development below -large crown mast white oak especially



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	310 - Herbaceous Openland	1.0	No	Unspecified	
5	310 - Herbaceous Openland	1.9	No	Unspecified	
7	310 - Herbaceous Openland	1.0	No	Unspecified	
11	310 - Herbaceous Openland	1.0	No	Unspecified	
14	310 - Herbaceous Openland	2.0	No	Unspecified	
16	310 - Herbaceous Openland	1.0	No	Unspecified	
18	3301 - Low Density Deciduous Tree	8.0	No	Unspecified	
21	310 - Herbaceous Openland	1.7	No	Unspecified	
22	310 - Herbaceous Openland	2.2	No	Unspecified	
24	310 - Herbaceous Openland	1.0	No	Unspecified	
25	310 - Herbaceous Openland	1.0	No	Unspecified	
26	310 - Herbaceous Openland	1.6	No	Unspecified	
35	310 - Herbaceous Openland	1.0	No	Unspecified	
37	310 - Herbaceous Openland	1.2	No	Unspecified	
39	310 - Herbaceous Openland	1.0	No	Unspecified	
40	310 - Herbaceous Openland	1.8	No	Unspecified	
42	310 - Herbaceous Openland	2.2	No	Unspecified	
46	310 - Herbaceous Openland	2.9	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
47	310 - Herbaceous Openland	1.0	No	Unspecified	
49	310 - Herbaceous Openland	1.6	No	Unspecified	
51	310 - Herbaceous Openland	2.1	No	Unspecified	
53	310 - Herbaceous Openland	1.5	No	Unspecified	
56	310 - Herbaceous Openland	1.0	No	Unspecified	
60	310 - Herbaceous Openland	2.4	No	Unspecified	
61	310 - Herbaceous Openland	4.6	No	Unspecified	
63	310 - Herbaceous Openland	2.5	No	Unspecified	
65	310 - Herbaceous Openland	1.3	No	Unspecified	
66	122 - Road/Parking Lot	13.1	No	Unspecified	
68	310 - Herbaceous Openland	1.4	No	Unspecified	
77	310 - Herbaceous Openland	1.0	No	Unspecified	
78	310 - Herbaceous Openland	1.8	No	Unspecified	
80	310 - Herbaceous Openland	1.7	No	Unspecified	
82	310 - Herbaceous Openland	2.7	No	Unspecified	
84	310 - Herbaceous Openland	2.1	No	Unspecified	
90	310 - Herbaceous Openland	1.0	No	Unspecified	
91	310 - Herbaceous Openland	3.0	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
94	310 - Herbaceous Openland	4.5	No	Unspecified	
97	310 - Herbaceous Openland	1.0	No	Unspecified	
98	310 - Herbaceous Openland	15.3	No	Unspecified	
102	310 - Herbaceous Openland	1.0	No	Unspecified	
104	310 - Herbaceous Openland	1.3	No	Unspecified	
106	310 - Herbaceous Openland	1.4	No	Unspecified	
107	310 - Herbaceous Openland	2.3	No	Unspecified	
115	50 - Water	100.2	No	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
105	SCA Removal	SCA Old Growth Removal- Aspen, Oak_1	114.2	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records & Observations: -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included -Stand is high density aspen and oak (sub-canopy is moderately occupied with red maple, white pine, and witch hazel) -Aspen is not considered as an old growth forest community using WI 1.4 old growth type 1 and 2 classifications</p> <p>Suggested Management: -Remove SCA designation as potential old growth forest -Manage stand for future timber harvest (W of NE-SW ridgeline only). Protect any rare, threatened, and endangered species located during inventory or timber sale preparation. -Leave E of NE-SW ridgeline unharvested due to extreme slopes, visual impact, lake buffering, and wp development/recruiting as aspen decline (see stand mgmt notes).</p>
100	SCA Removal	SCA Old Growth Removal- Aspen_1	20.6	<p>Landscape/Multipoly AOI (Actual AOI is smaller than parent stand listed)</p> <p>Records & Observations: -Stand was clearcut in 1996 -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included</p> <p>Suggested Management: -Remove SCA designation as potential old growth forest -Manage forested area for future timber harvest</p>
111	SCA Removal	SCA Old Growth Removal- Black Spruce	1.0	<p>Records & Observations: -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included -Stand is primarily black spruce (sub-canopy is not occupied) -Stand does not meet minimum acreage, size, or age criteria of an old growth forest community according to WI 1.4 old growth type 1 and 2 classifications</p> <p>Suggested Management: -Remove SCA designation as potential old growth forest -Leave untreated</p>
97	SCA Removal	SCA Old Growth Removal- Herbaceous Openland	2.4	<p>Records & Observations: -non-forested -no other observed or documented unique features exist</p> <p>Suggested Management: -remove SCA old growth designation -maintain openings</p>



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
113	SCA Removal	SCA Old Growth Removal- Lowland Cedar_1	3.8	<p>Records & Observations:</p> <ul style="list-style-type: none"> -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included -Stand is primarily lowland cedar (sub-canopy is moderately occupied with mixed lowland conifer) -Stand not meet minimum size or age criteria as an old growth forest community according to WI 1.4 old growth type 1 and 2 classifications <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Leave untreated, too wet
110	SCA Removal	SCA Old Growth Removal- Mixed Lowland Forest With Cedar_1	2.4	<p>Records & Observations:</p> <ul style="list-style-type: none"> -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included -Stand is primarily mixed lowland forest (sub-canopy is moderately occupied with mixed lowland conifer) -Stand does not meet minimum acreage, size, or age criteria as old growth forest community according to WI 1.4 old growth type 1 and 2 classifications <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Leave untreated
103	SCA Removal	SCA Old Growth Removal- Mixed Northern Hardwoods	1.8	<p>Records & Observations:</p> <ul style="list-style-type: none"> -Stand was clearcut in 1996 -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Manage stand for future timber harvest
96	SCA Removal	SCA Old Growth Removal- Red Oak	40.3	<p>Records & Observations:</p> <ul style="list-style-type: none"> -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included -Stand is primarily red oak (sub-canopy is moderately occupied with red maple and witch hazel) -Stand does not meet the age or size criteria for an old growth forest community using WI 1.4 old growth type 1 and 2 classifications <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Manage stand for future timber harvest



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
108	SCA Removal	SCA Old Growth Removal- Red Oak_1	42.5	<p>Records & Observations:</p> <ul style="list-style-type: none"> -No past cutting documented for area but it was observed that all red maple and aspen were cut out in 1970s -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included -Stand is primarily red oak (sub-canopy is moderately occupied with red maple and witch hazel) -Stand does not meet the age or size criteria for an old growth forest community using WI 1.4 old growth type 1 and 2 classifications <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Manage forested area for future timber harvest
114	SCA Removal	SCA Old Growth Removal- Red with White Oak	4.1	<p>Records & Observations:</p> <ul style="list-style-type: none"> -No past cutting documented for area -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included -Stand is primarily red and white oak (sub-canopy is moderately occupied with mixed upland conifers) -Stand not meet minimum size or age criteria as an old growth forest community according to WI 1.4 old growth type 1 and 2 classifications <p>Suggested Management:</p> <ul style="list-style-type: none"> -Remove SCA designation as potential old growth forest -Leave untreated and let wp develop/recruit as oak decline



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.
SCA	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy recreational use, including State Parks, State Forest campgrounds, motorized and non-motorized trails, trailheads, staging areas and public access sites.