



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 53 ENTRY YEAR: 2014

Compartment Acreage: 2987 County: Montmorency

Revision Date: October 23, 2012

Stand Examiner: Autenrieth

Legal Description: T31N, R3E, SEC. 19, 20, 29, 30, 31, 32.

RMU (if applicable):

Management Goals: Production of aspen, red pine, and jack pine.

Soil and Topography: Mostly sandy soils ranging from excessively well drained to poorly drained. Organic soils are found in some drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly adjoining state land. Some private hunting clubs are present as well.

Unique, Natural Features (include only non-site specific and non-sensitive information): Reported. Contact Michigan Natural Features Inventory for further information.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None reported.

Special Management Designations or Considerations: None reported.

Watershed and Fisheries Considerations: Drainages flow south into Smith Creek and north into Brush Creek. Smith Creek enters the Thunder Bay River just east of Atlanta. Brush Creek empties into the Thunder Bay River at Hillman.

Wildlife Habitat Considerations: Compartment 53 contains a mixture of aspen, red and jack pine, mixed swamp conifer, balsam poplar and forest openings resulting from past management practices of timber harvest, tree planting, and deer range improvement opening creation and management. Featured species present in this compartment include ruffed grouse, beaver, American woodcock, wild turkey, and white-tailed deer. Sportsmen pond flooding is a Wildlife Division-managed flooding which has potential to be drawn down this review period in order to perform maintenance. Openings will be maintained through mowing, planting to food and cover crops, and potentially burned to enhance their value to a variety of wildlife species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. Glacial drift thickness varies between 400 and 600 feet. There is approximately 200 feet of local relief within the compartment. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for clay/shale elsewhere in

the State. Two gravel pits are located in Section 19, and potential is considered good on the upland areas. This area has been drilled and is producing gas from the Antrim Shale.

Vehicle Access: Excellent.

Survey Needs: None.

Recreational Facilities and Opportunities: The compartment is crisscrossed by miles of MCCCT, ORV trails, ORV routes, and snowmobile trails.

Fire Protection: Adequate.

Additional Compartment Information:

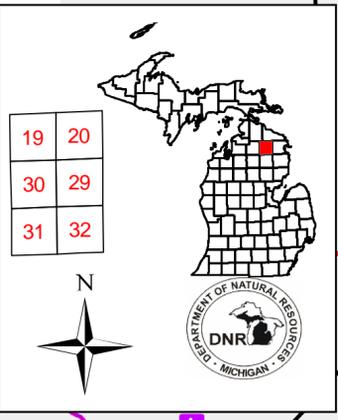
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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: 53
 T31N R03E Sec. 19, 20, 29 - 32
 County: Montmorency
 Unit: Atlanta
 YOY: 2014
 Acres: 3,067 GIS Calculated
 Examiner: Jeff Autenrieth
 Map Revised: 08/17/2012
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remunented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Powerline
- Stream
- Intermittent Stream
- Bridges
- Lakes and Rivers
- ORV Trails
- ORV Routes
- Snowmobile Trails
- ORV Trail
- ORV Route
- Snowmobile Trail

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Mowing
- Water Level Management
- Other Treatment - See Comments

Forest Stands

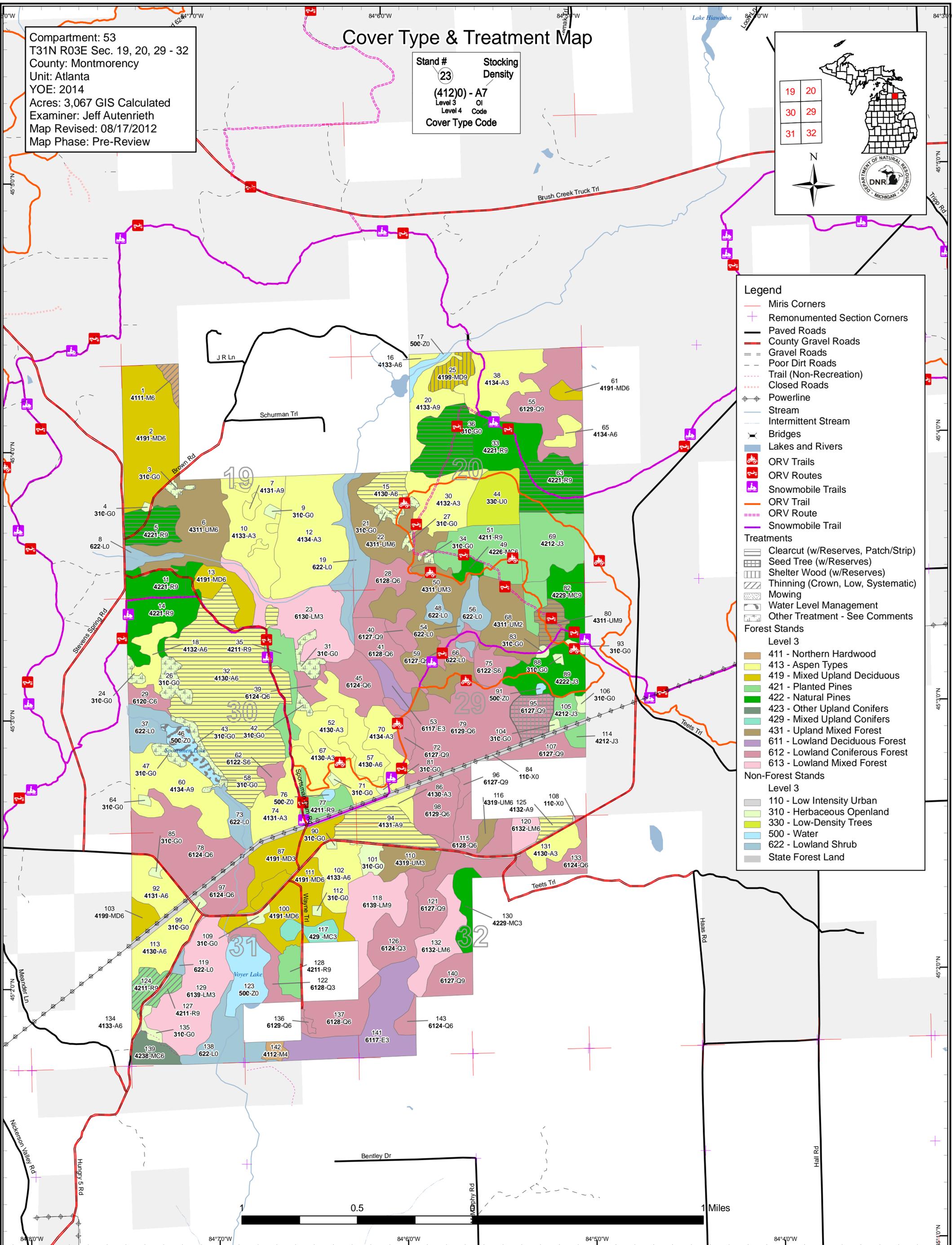
Level 3

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

Non-Forest Stands

Level 3

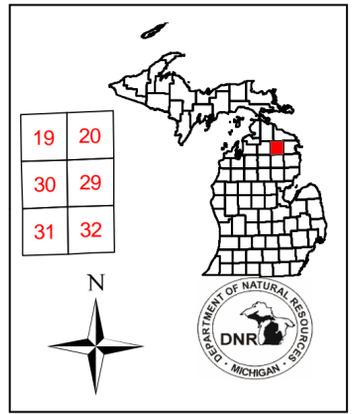
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- State Forest Land



Compartment: 53
 T31N R03E Sec. 19, 20, 29 - 32
 County: Montmorency
 Unit: Atlanta
 YOE: 2014
 Acres: 3,067 GIS Calculated
 Examiner: Jeff Autenrieth
 Map Revised: 08/17/2012
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

Stand # 23
 Stacking 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
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands**
 - Level 3**
 - 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - Dedicated Special Conservation Areas**
 - Cold Water Streams

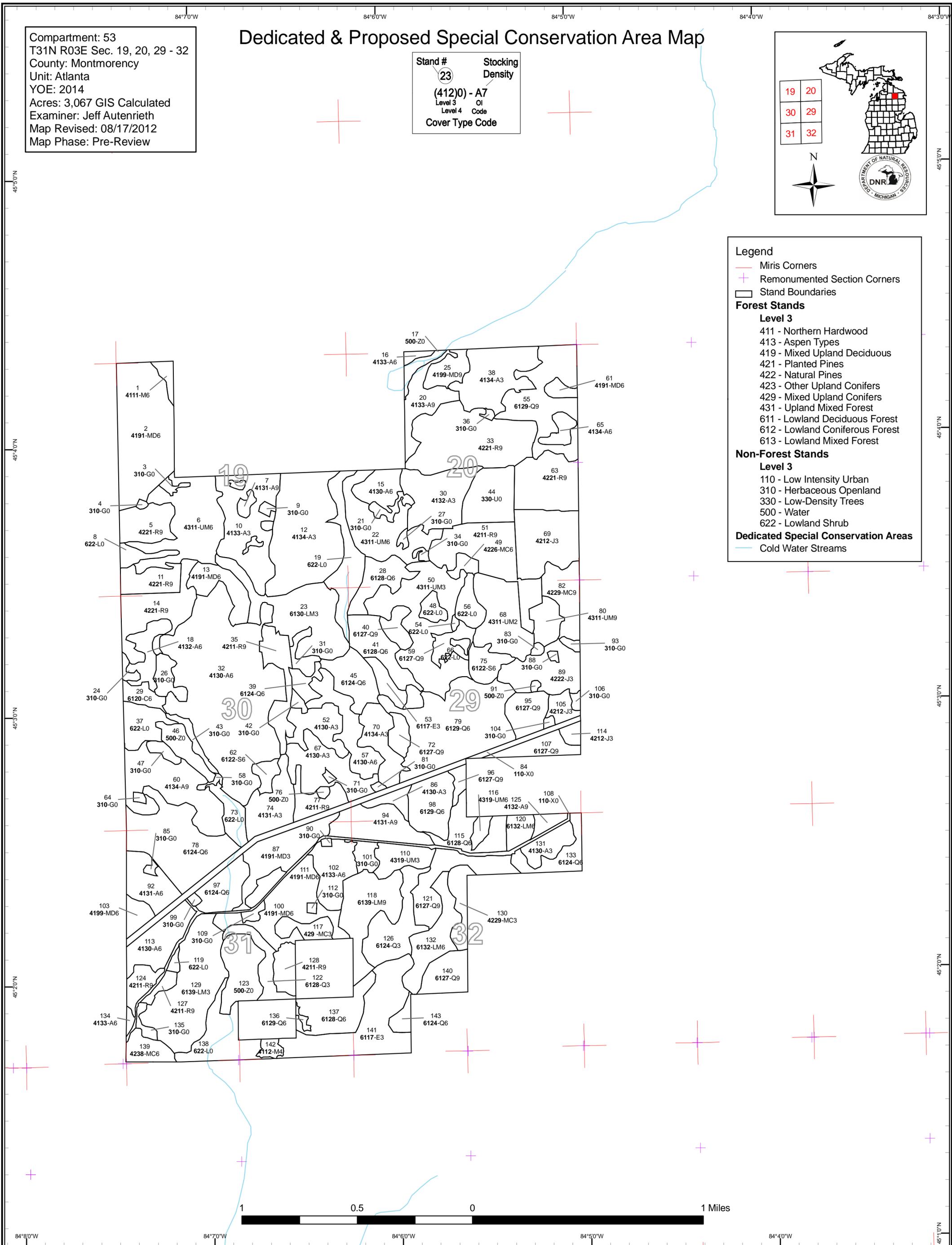
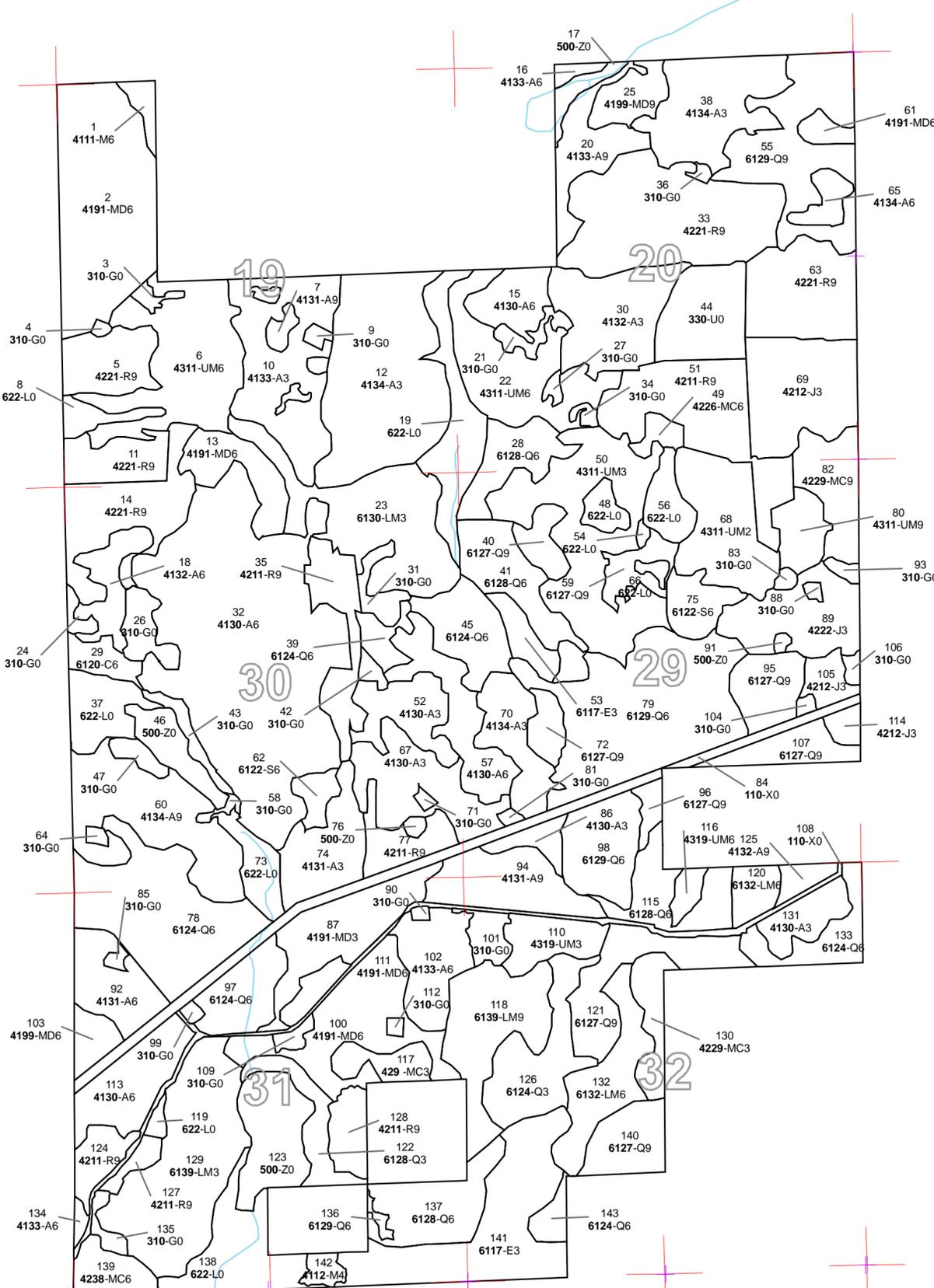


Table 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 053 Year of Entry 2014

Jeffrey Autenrieth : Examiner



	Age Class														Total
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen	42	105	175	66	306	72	6	8	49	0	0	0	0	0	828
Cedar	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9
Herbaceous Openland	83	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Jack Pine	0	59	0	0	34	0	0	0	0	0	0	0	0	0	93
Low-Density Trees	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Conifers	0	0	0	40	40	0	120	135	245	19	0	0	0	0	598
Lowland Deciduous	0	0	0	0	10	0	0	0	64	0	0	0	0	0	74
Lowland Mixed Forest	0	0	60	0	0	74	0	40	43	0	0	0	0	0	218
Lowland Shrub	126	0	0	0	0	0	0	0	0	0	0	0	0	0	126
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	21	0	0	0	0	0	21
Mixed Upland Deciduous	0	36	0	91	53	0	0	9	35	0	0	0	0	0	223
Natural Mixed Pines	0	0	0	0	15	0	30	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	0	5	0	5	0	0	0	0	0	0	0	10
Red Pine	0	0	0	0	91	16	134	80	0	0	0	0	0	0	322
Upland Conifers	0	0	0	12	0	0	0	0	13	0	0	0	0	0	25
Upland Mixed Forest	0	17	41	60	128	0	14	0	0	0	0	0	0	0	261
Urban	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Water	52	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Total	383	216	277	268	682	163	308	272	470	19	0	9	0	0	3067



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2014

Compartment 053
Total Compartment Acres: 3067

Acres by Treatment Type

Commercial Harvest - 415	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 61	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	242	0	0	0	0	0		242
Lowland Conifers	0	0	19	0	0	0		19
Mixed Upland Deciduous	0	0	0	14	0	0		14
Northern Hardwood	0	0	0	0	5	0		5
Red Pine	105	0	0	0	16	0		121
Upland Mixed Forest	14	0	0	0	0	0		14
Total	361	0	19	14	21	0		415



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	54053001-Cut	5.3	4111 - S.Maple, Hard Mast Association	High Density Pole	69	111-140	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription:</u> Follow EAB and beech guidelines when setting up sale. Cut all ash and beech to reduce basal area before other species. Leave-tree mark a few <u>Specs:</u> ash and beech through out stand for future snags. Thin areas of higher residual basal area to 70-90ba.										
<u>Other Comments:</u> <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
5	54053005-Cut	22.6	42210 - Natural Red Pine	High Density Log	70	51-80	Harvest	Clearcut	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest. Cut all trees 2" in diameter and bigger. <u>Specs:</u>										
<u>Other Comments:</u> <u>Next Steps:</u> Trench and plant to red pine. Allow for burning/trenching/planting/herbiciding/chipping to facilitate successful planting. Acceptable regen can be medium/well stocked red pine. Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Proposed Start Date:</u> 10/01/2013										
15	54053015-Cut	16.5	4130 - Aspen	High Density Pole	52	81-110	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest. Protect white pine saplings. <u>Specs:</u>										
<u>Other Comments:</u> <u>Next Steps:</u> Acceptable regen can be of medium/well stocked mixed aspen, oak, maple, and pine. Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Proposed Start Date:</u> 10/01/2013										
25	54053025-Cut	13.8	4199 - Other Mixed Upland Deciduous	High Density Log	85	51-80	Harvest	Shelter Wood with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Leave 30-40ba. Do not cut all aspen. <u>Specs:</u>										
<u>Other Comments:</u> <u>Next Steps:</u> Underplant to White Pine. Acceptable regen can be of medium/well stocked mixed oak, aspen, maple, and white pine. Leave 3-10% of stand acres as retention in one or more pocket.										
<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
32	54053032-Cut	187.7	4130 - Aspen	High Density Pole	44		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest.										
<u>Specs:</u>										
<u>Other</u> Stand has been set up for a timbersale outside of YOE.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2012										
33	54053033-Cut	41.8	42210 - Natural Red Pine	High Density Log	62	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut west half of stand. Final harvest. Leave clumps of oak with retention on west edge of stand.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Trench and plant red pine. Allow for burning/trenching/planting/herbiciding/chipping to facilitate successful planting. Acceptable regen can be of										
<u>Steps:</u> medium/well stocked red pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
63	54053063-Cut	40.2	42210 - Natural Red Pine	High Density Log	60	51-80	Harvest	Clearcut with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Final harvest. Leave clumps of oak in retention.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regen can be of medium/well stocked mixed red pine and oak. Leave 3-10% of stand acres as retention in one or more pocket. Allow										
<u>Steps:</u> for burning/trenching/planting/herbiciding/chipping to facilitate successful planting.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
80	54053080-Cut	13.8	4311 - Pine, Aspen Mix	High Density Log	69	111-140	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest. Leave 1-3 oak per acre.										
<u>Specs:</u>										
<u>Other</u> Surrounding stands can be treated to remove encroachment from regenerating aspen from this stand.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen can be of medium/well stocked mixed aspen and oak. Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
94	54053094-Cut	32.4	4131 - Aspen, Oak	High Density Log	81	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> Final harvest. Leave 1-3 oak and protect w. pine seedlings.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regen can be of medium/well stocked mixed aspen, oak, and pine. Leave 3-10% of stand acres as retention in one or more pocket.										
<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
95	54053095-Cut	18.8	6127 - Lowland Pine	High Density Log	92	81-110	Harvest	Seed Tree with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Mark to leave 20-30ba of pine. Include rabbitat spec.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regen can be of medium/well stocked mixed conifer, aspen, and maple. Leave 3-10% of stand acres as retention in one or more										
<u>Steps:</u> pocket.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
124	54053124-Cut	11.2	42110 - Planted Red Pine	High Density Log	53	81-110	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all jack pine and thin red pine to 110-130ba.										
<u>Specs:</u>										
<u>Other</u> Planted red and jack pine every other row. Jack pine mostly has either died or broken off. Slash from dead jack pine.										
<u>Comments:</u>										
<u>Next</u> Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
125	54053125-Cut	5.7	4132 - Aspen, Jack Pine	High Density Log	67	51-80	Harvest	Clearcut with Reserves	4132 - Aspen, Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Final harvest.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regen can be of medium/well stocked mixed aspen and pine. Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
127	54053127-Cut	5.0	42110 - Planted Red Pine	High Density Log	53	81-110	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all jack pine and thin red pine to 110-130ba.										
<u>Specs:</u>										
<u>Other</u> Planted red and jack pine every other row. Jack pine mostly has either died or broken off. Slash from dead jack pine.										
<u>Comments:</u>										
<u>Next</u> Leave 3-10% of stand acres as retention in one or more pocket.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
3	NF_54053003- NonFor	2.6	3102 - Grass				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
21	NF_54053021- NonFor	5.6	3102 - Grass				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										
24	NF_54053024- NonFor	2.8	3102 - Grass				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										
26	NF_54053026- NonFor	10.6	3102 - Grass				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										
27	NF_54053027- NonFor	1.8	3102 - Grass				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										
31	NF_54053031- NonFor	7.3	3102 - Grass				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
34	NF_54053034- NonFor	1.8	3102 - Grass				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										
42	NF_54053042- NonFor	2.6	3102 - Grass				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										
43	NF_54053043- NonFor	5.9	3102 - Grass				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> Should be mowed during drawdown and remove some brush along flooding										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year or shorter rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
46	NF_54053046- NonFor	14.0	50 - Water				Non-Forest Management	Water Level Management	50 - Water	Cmpt. Review Proposal
<u>Prescription</u> Draw down flooding to perform maintenance on flooding structures.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> re-fill flooding after maintenance on structures has been performed										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
47	NF_54053047- NonFor	4.6	3102 - Grass				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> mow during drawdown and remove some brush along flooding										
<u>Comments:</u>										
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year or shorter 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
58	NF_54053058- NonFor	1.7	3102 - Grass				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Mow annually to maintain dike free of woody vegetation										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor vegetation and mow if woody encroachment is observed.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										

**Total Treatment
Acreage Proposed: 476.1**

S
t
a
n
d

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	-----------	--------------	-----------	----------	----------------	------------------	----------------------	-----------------

#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Error

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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
--	-----	---------------------------	-------------------	----	--	---------	------------------------	--	------------------------------------

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**

S
t
a
n
d

Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 053
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4111 - S.Maple, Hard Mast Association	High Density Pole	5.3	69	111-140	
2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	83.3	36		Old skid trails and illegal ORV.
5	42210 - Natural Red Pine	High Density Log	22.6	70	51-80	
6	4311 - Pine, Aspen Mix	High Density Pole	60.4	37	81-110	Old skid trails and illegal ORV trail.
7	4131 - Aspen, Oak	High Density Log	7.6	73	111-140	Stand was left as a relic of what was previously in the surrounding stand that was harvested.
10	4133 - Aspen, Mixed Pine	High Density Sapling	54.5	15		
11	42210 - Natural Red Pine	High Density Log	18.5	71	51-80	
12	4134 - Aspen, Spruce/Fir	High Density Sapling	86.3	26		Small wet pockets with tag alder and cranberry.
13	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	21.3	86	51-80	Very interesting stand. No evidence of recent logging but seems to be thinned.
14	42210 - Natural Red Pine	High Density Log	38.8	71	81-110	
15	4130 - Aspen	High Density Pole	16.5	52	81-110	New stand added.
16	4133 - Aspen, Mixed Pine	High Density Pole	2.8	39		
18	4132 - Aspen, Jack Pine	High Density Pole	16.5	86		Stand slopes to a lowland area in middle of stand. Some saturated soil in lower area.
20	4133 - Aspen, Mixed Pine	High Density Log	23.5	49	111-140	Vernal ponds in stand. Wet pockets and dry ridges. Some blow down. Old railroad grade in stand. Balsam fir gets thicker near lowland to west.
22	4311 - Pine, Aspen Mix	High Density Pole	45.4	47		Some pockets of lowland. Most b. fir and white pine along stream. Active beavers.
23	6130 - Fir, Aspen, Maple	High Density Sapling	60.0	27		New stand added. Old skid trails.
25	4199 - Other Mixed Upland Deciduous	High Density Log	13.8	85	51-80	Only stand of mature oak in area.

S
t
a
n
d

Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 053
Year of Entry: 2014

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	21.1	88		Pockets of cedar around wet areas. Several foot trails/flagging. ORV trail in north part of stand. Saturated muck to loamy soils.
6120 - Lowland Cedar	High Density Pole	8.9	110		Slopes down to wetland.
4132 - Aspen, Jack Pine	High Density Sapling	41.7	9		Pockets of planted jack pine. Failed plantation?
4130 - Aspen	High Density Pole	187.7	44		
42210 - Natural Red Pine	High Density Log	79.2	62	141-170	
42110 - Planted Red Pine	High Density Log	24.5	47	111-140	SNOWMOBILE TRAIL. Third row thinned.
4134 - Aspen, Spruce/Fir	High Density Sapling	45.2	26		
6124 - Lowland Spruce- Fir	High Density Pole	7.9	82		New stand added. Standing water in center of stand where tag alder is concentrated.
6127 - Lowland Pine	High Density Log	9.8	86	111-140	Log white pine are mostly Wolfie. Limited access, would require major road work.
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	26.5	76	111-140	Cedar is in pockets. Some vernal ponds in stand. Limited access.
6124 - Lowland Spruce- Fir	High Density Pole	24.7	34		Bear baits.
42260 - Natural Pine, Mixed Deciduous	High Density Pole	5.4	64	1-50	
4311 - Pine, Aspen Mix	High Density Sapling	77.9	44		
42110 - Planted Red Pine	High Density Log	54.8	42	111-140	Third row thinned. Site quality varies over stand.
4130 - Aspen	High Density Sapling	22.2	16		
6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	9.9	41		New stand added.
6129 - Mixed Coniferous Lowland Forest	High Density Log	55.5	85		Old railroad grade runs through stand. Wet mucky soils are saturated. Cedar is in pockets of lower ground.

S
t
a
n
d

Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 053

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	4130 - Aspen	High Density Pole	30.0	46	81-110	ORV trail. Surrounding stands of aspen have been cut in the last entry periods.
59	6127 - Lowland Pine	High Density Log	11.1	60	81-110	Evidence of recent wild fire. Leatherleaf bogs within stand. Saturated soils. Trees buffer bogs.
60	4134 - Aspen, Spruce/Fir	High Density Log	55.8	59	111-140	Old railroad grade.
61	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.2	44		
62	6122 - Black Spruce	High Density Pole	7.1	82		
63	42210 - Natural Red Pine	High Density Log	40.2	60	51-80	
65	4134 - Aspen, Spruce/Fir	High Density Pole	8.0	44		
67	4130 - Aspen	High Density Sapling	36.2	22		
68	4311 - Pine, Aspen Mix	Medium Density	41.5	27		Evidence of a recent wildfire. Some die-off. Aspen in isolated pockets.
69	42120 - Planted Jack Pine	High Density Sapling	45.7	15		
70	4134 - Aspen, Spruce/Fir	High Density Sapling	24.0	33		Spruce and balsam fir along wet edges.
72	6127 - Lowland Pine	High Density Log	8.5	82	51-80	Standing water in stand. ORV trail. Very wet.
74	4131 - Aspen, Oak	High Density Sapling	28.1	17		
75	6122 - Black Spruce	High Density Pole	13.6	85		Evidence of recent wildfire. Saturated soils.
77	42110 - Planted Red Pine	High Density Log	14.7	63	51-80	Advanced aspen/maple regen present.
78	6124 - Lowland Spruce-Fir	High Density Pole	68.9	75		Small streams running through out stand. Saturated muck soils.
79	6129 - Mixed Coniferous Lowland Forest	High Density Pole	93.2	69		Some blow down. Saturated muck soils with standing and flowing water.
80	4311 - Pine, Aspen Mix	High Density Log	13.8	69	111-140	New stand added. Aspen starting to conk and blow down.

S
t
a
n
d

Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 053

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	42290 - Natural Mixed Pine	High Density Log	24.3	69	81-110	
86	4130 - Aspen	High Density Sapling	7.6	29		
87	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	35.8	16		
89	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	34.3	48		New stand added.
92	4131 - Aspen, Oak	High Density Pole	24.0	39	171-200	New stand added.
94	4131 - Aspen, Oak	High Density Log	32.4	81	81-110	Aspen is in good condition, centers not rotten.
95	6127 - Lowland Pine	High Density Log	18.8	92	81-110	Some pockets of low ground with tag alder.
96	6127 - Lowland Pine	High Density Log	4.9	85	111-140	Illegal deer blind/feeder.
97	6124 - Lowland Spruce-Fir	High Density Pole	22.1	78		Some blow down. Saturated muck soils. Old railroad grade. Some standing and running water in stand.
98	6129 - Mixed Coniferous Lowland Forest	High Density Pole	28.4	82		Very saturated soils. Leatherleaf bog in stand. Illegal ORV damage in bog on powerline.
100	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	7.2	36		
102	4133 - Aspen, Mixed Pine	High Density Pole	26.6	44	51-80	
103	4199 - Other Mixed Upland Deciduous	High Density Pole	8.7	78	51-80	Elk browse on red maples.
105	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	8.4	16		
107	6127 - Lowland Pine	High Density Log	15.3	62	81-110	Some low areas with standing water.
110	4319 - Mixed Upland Forest	High Density Sapling	17.1	18		
111	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	47.4	43	51-80	Roads all around stand. Balsam fir in areas closer to Voyer lake in understory.
113	4130 - Aspen	High Density Pole	28.6	41		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
114	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	4.6	16		
115	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	24.2	87	51-80	Some blow down. Larger trees concentrated around vernal ponds found through out stand.
116	4319 - Mixed Upland Forest	High Density Pole	5.1	43	51-80	Some die off creating a lot of snags.
117	429 - Mixed Upland Conifers	High Density Sapling	11.6	37		Varying sizes and densities of jack pine.
118	6139 - Mixed Lowland Forest	High Density Log	43.4	85	81-110	Lots of blow down. Low pockets of water where tag alder and cedar are located. Trails through out stand and old deer blind/feeder. Cabin still located on property. Soils are mostly saturated muck. Wire strand along old property lines.
120	6132 - Mixed Lowland Forest with Cedar	High Density Pole	9.6	79		Running and standing water in stand.
121	6127 - Lowland Pine	High Density Log	32.4	87	51-80	Cedar is on west end and along drainages in stand. Thick mixed understory. Dry loam to wet muck soils.
122	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	15.3	34		Very wet. Standing water in stand.
124	42110 - Planted Red Pine	High Density Log	11.2	53	81-110	Planted red and jack pine every other row. Jack pine mostly has either died or broken off. Slash from dead jack pine.
125	4132 - Aspen, Jack Pine	High Density Log	5.7	67	51-80	
126	6124 - Lowland Spruce-Fir	High Density Sapling	33.9	47		Small diameters but aged at 47. Very wet muck soils with pot holes and drainages.
127	42110 - Planted Red Pine	High Density Log	5.0	53	81-110	Planted red and jack pine every other row. Jack pine mostly has either died or broken off. Slash from dead jack pine.
128	42110 - Planted Red Pine	High Density Log	12.1	45	111-140	
129	6139 - Mixed Lowland Forest	High Density Sapling	74.1	54		
130	42290 - Natural Mixed Pine	High Density Sapling	14.7	40		Some wet areas. Old railroad grade.
131	4130 - Aspen	High Density Sapling	14.7	31		Stand swapped from Non-Forested to Forested.
132	6132 - Mixed Lowland Forest with Cedar	High Density Pole	30.9	78		some blowdown in stand.

S
t
a
n
d

Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 053

Year of Entry: 2014



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
133	6124 - Lowland Spruce- Fir	High Density Pole	17.7	79		Some blow down. Saturated muck soils with standing water. White pine along road and on higher ridges.
134	4133 - Aspen, Mixed Pine	High Density Pole	1.9	45	111-140	Stand swapped from Non-Forested to Forested. Buffers powerline.
136	6129 - Mixed Coniferous Lowland Forest	High Density Pole	1.6	86		
137	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	30.3	87	111-140	Some blow down. Timber trespass in stand caused stand 20- to be created. Vernal ponds throughout stand and it gets wetter the farther east and north. Saturated muck soils.
139	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	13.3	82	111-140	Some saturated soils. Tag alder in pockets of lower areas and drainages.
140	6127 - Lowland Pine	High Density Log	20.1	86	1-50	Pockets of tag alder around vernal ponds. Trees denser to north and east, south and west becomes wetter. Old skid trail.
141	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	64.2	86		Tag alder denser in wetter areas. Cedar towards east end of stand. Wet muck soils, gets wetter to east.
142	4112 - Maple, Beech, Cherry Association	Low Density Pole	4.6	43		Stand was cut as recent timber trespass.
143	6124 - Lowland Spruce- Fir	High Density Pole	6.1	40		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	3102 - Grass	2.6	No	Unspecified	
4	3102 - Grass	1.0	No	Unspecified	
8	6229 - Mixed lowland shrub	7.4	No	Unspecified	
9	3102 - Grass	1.8	No	Unspecified	
17	50 - Water	5.6	No	Unspecified	
19	6229 - Mixed lowland shrub	30.8	No	Unspecified	
21	3102 - Grass	5.6	No	Unspecified	
24	3102 - Grass	2.8	Yes	Low (NonForested)	
26	3102 - Grass	10.6	Yes	Low (NonForested)	
27	3102 - Grass	1.8	No	Unspecified	
31	3102 - Grass	7.3	Yes	Low (NonForested)	
34	3102 - Grass	1.8	No	Unspecified	
36	3102 - Grass	1.2	No	Unspecified	
37	6229 - Mixed lowland shrub	18.6	No	Unspecified	
42	3102 - Grass	2.6	Yes	Low (NonForested)	
43	3102 - Grass	5.9	Yes	Low (NonForested)	
44	3301 - Low Density Deciduous Tree	30.5	Yes	Low (NonForested)	
46	50 - Water	14.0	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
47	3102 - Grass	4.6	Yes	Low (NonForested)	
48	6229 - Mixed lowland shrub	6.6	No	Unspecified	
54	6229 - Mixed lowland shrub	1.1	No	Unspecified	
56	6229 - Mixed lowland shrub	11.8	No	Unspecified	
58	3102 - Grass	1.7	N/A	Unspecified	
64	3102 - Grass	1.4	No	Unspecified	
66	6229 - Mixed lowland shrub	2.0	No	Unspecified	
71	3102 - Grass	1.1	No	Unspecified	
73	6229 - Mixed lowland shrub	13.0	No	Unspecified	
76	50 - Water	1.5	No	Unspecified	
81	3102 - Grass	1.2	No	Unspecified	
83	3102 - Grass	1.6	No	Unspecified	
84	11 - Low Intensity Urban	33.4	No	Unspecified	Powerline
85	3102 - Grass	1.5	No	Unspecified	
88	3102 - Grass	1.1	No	Unspecified	
90	3102 - Grass	1.0	No	Unspecified	
91	50 - Water	1.1	No	Unspecified	
93	3102 - Grass	2.2	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
99	3102 - Grass	1.4	No	Unspecified	
101	3102 - Grass	7.9	No	Unspecified	
104	3102 - Grass	1.3	No	Unspecified	
106	3102 - Grass	1.9	No	Unspecified	
108	11 - Low Intensity Urban	16.3	No	Unspecified	
109	3102 - Grass	2.9	No	Unspecified	
112	3102 - Grass	1.1	No	Unspecified	
119	6229 - Mixed lowland shrub	2.3	No	Unspecified	
123	50 - Water	29.8	No	Unspecified	
135	3102 - Grass	3.9	No	Unspecified	
138	6229 - Mixed lowland shrub	32.7	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
58	Unique Site - SCA	NF_54053058	1.7	



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.