



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 031 ENTRY YEAR: 2012

Compartment Acreage: 1883 County: Montmorency

Revision Date: October 26, 2010

Stand Examiner: Barber

Legal Description: T31N, R1E, Sec. 7, 8 & 9

RMU (if applicable): Rattlesnake Hills

Management Goals: Ensure future forest regeneration by whatever means necessary.

Soil and Topography: Soils are typically sandy and hilly to steep. Habitat types range from nearly PVCd through PArVHa, PArVVb, and AFO. PArVVb, and AFO dominate.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Surrounding land is mostly other state land.

Unique, Natural Features (include only non-site specific and non-sensitive information): None reported.

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

Special Management Designations or Considerations: None.

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

Wildlife Habitat Considerations: This compartment is a part of a larger hardwood/aspens/oak complex that is important for elk year-round. Compartment 31 is part of the core elk range in Michigan. Openings are maintained for use by elk, deer, and turkey through food and cover plantings. Forest types are mixed and variable, with steep ridges and valleys. Intermediate cuts in the hardwoods and oak will encourage beech nut and acorn production which will be beneficial to small mammals, deer, and a wide variety of other wildlife.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial Drift are the Mississippian Berea Sandstone and Bedford Shale. There is no known economic use for these formations. The nearest gravel pit is six miles to the southwest, but the potential in the compartment is considered good. This area has been drilled and is producing gas from the Antrim Shale.

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

Survey Needs: None.

Recreational Facilities and Opportunities: High Country Pathway

Fire Protection: Vienna VFD and DNRE. This is mostly an oak and hardwood compartment. The most common fire cause remains spontaneous fungal combustion.

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**

Compartment 31
 T31N, R01E, Sec. 7 - 9
 County: Montmorency
 Unit: Atlanta
 YOE: 2012
 Acres: 1,883 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/16/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Pipeline
- Powerline
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Gas Well

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Planting (tree species)
- Site Preparation
- Other Treatment - See Comments

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest

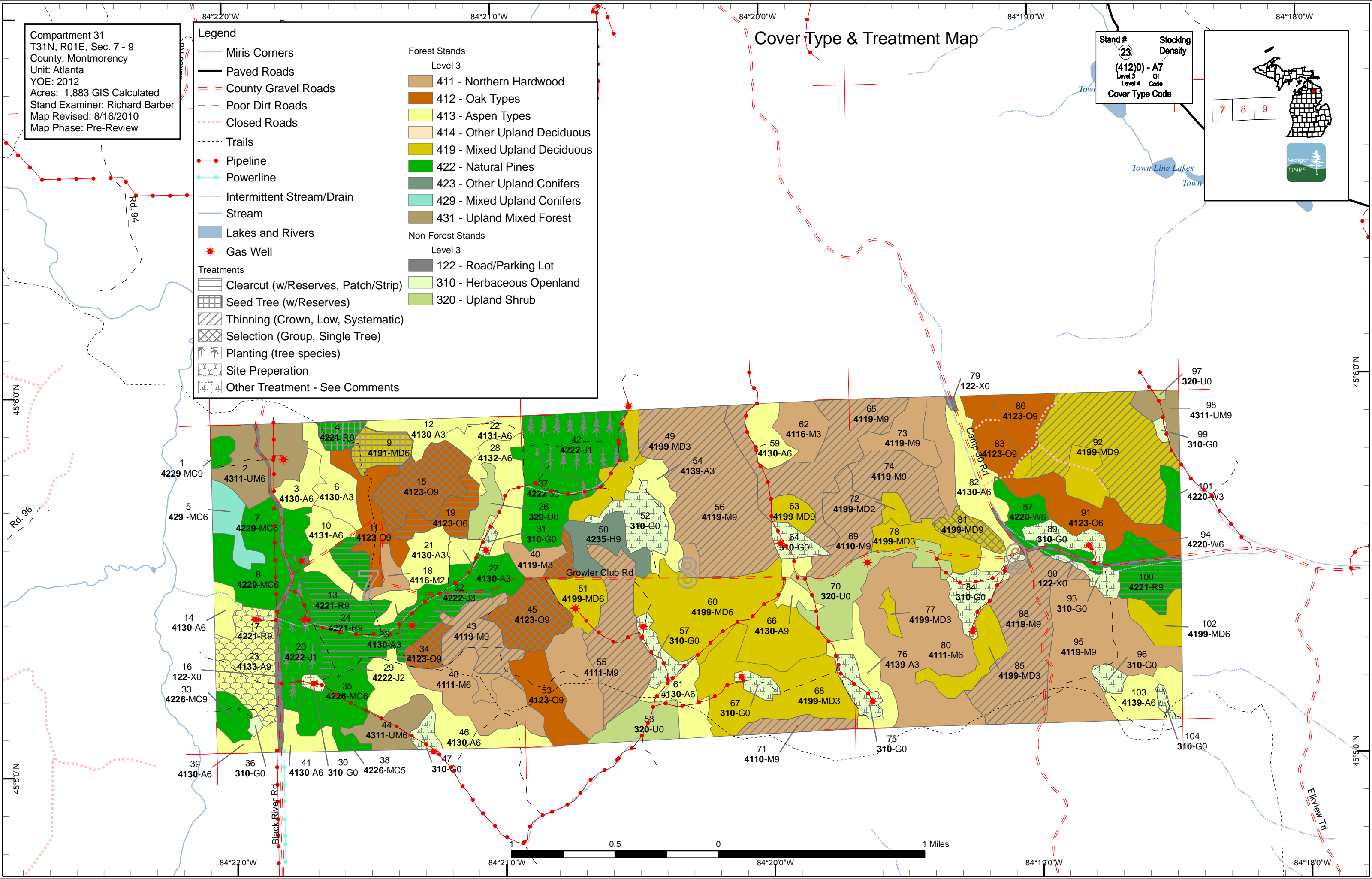
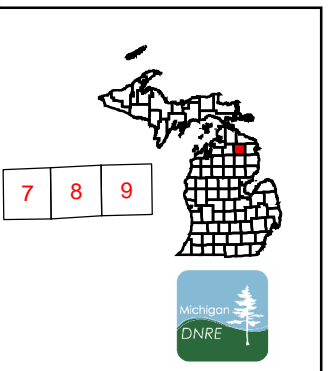
Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub

Cover Type & Treatment Map

Stand #
 (412)0 - A7
 Level 3
 Level 4
 Cover Type Code
 Stacking Density



Stand Boundary Map

Compartment 31
 T31N, R01E, Sec. 7 - 9
 County: Montmorency
 Unit: Atlanta
 YOE: 2012
 Acres: 1,883 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/16/2010
 Map Phase: Pre-Review

- Legend**
- Miris Corners
 - Paved Roads
 - County Gravel Roads
 - Poor Dirt Roads
 - Closed Roads
 - Trails
 - Pipeline
 - Powerline
 - ★ Gas Well
 - Stand Boundaries
- Forest Stands**
 Level 3
- 411 - Northern Hardwood
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 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
- Non-Forest Stands**
 Level 3
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 320 - Upland Shrub

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

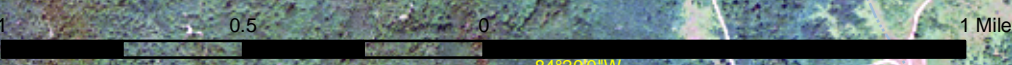
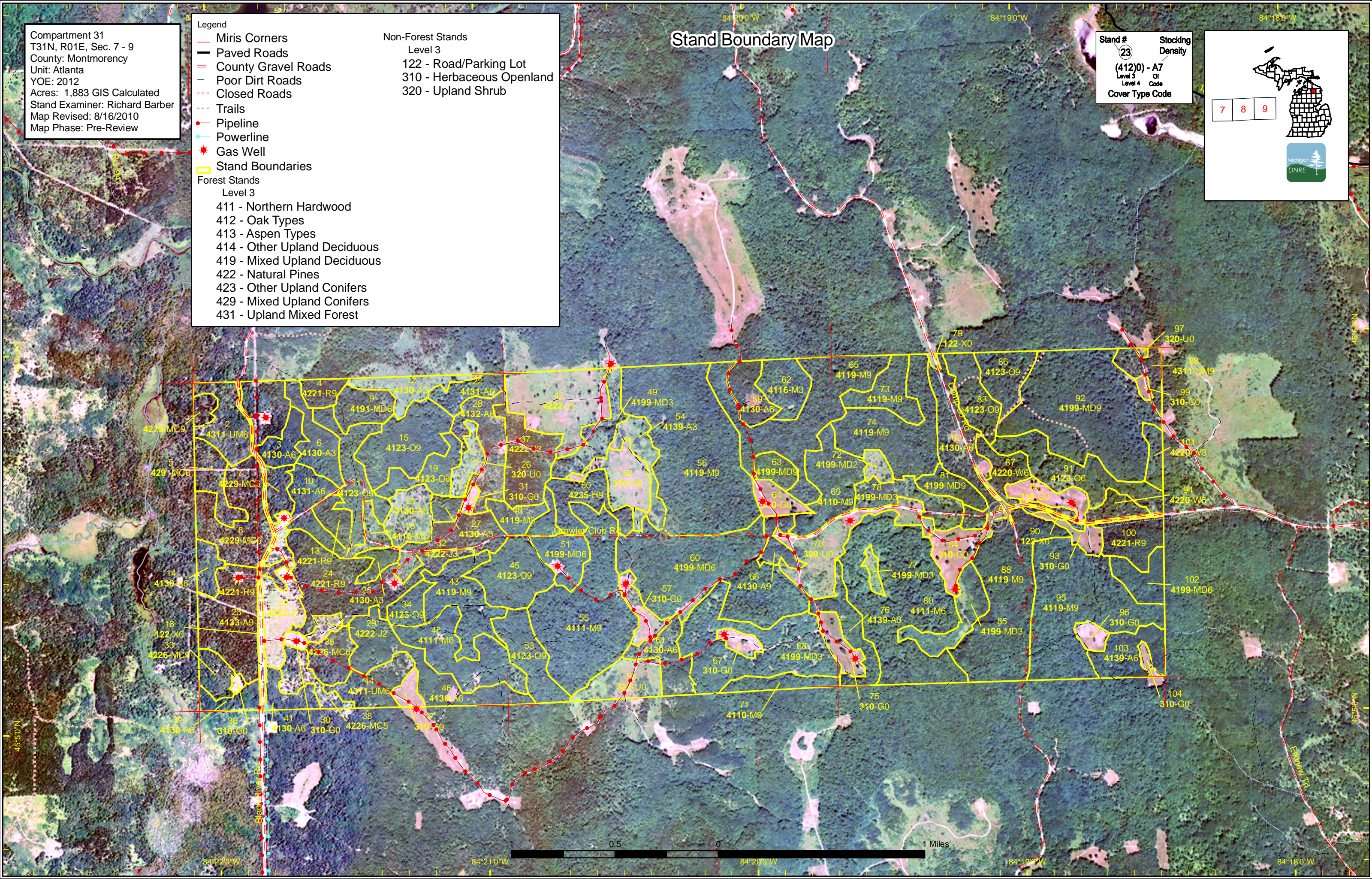
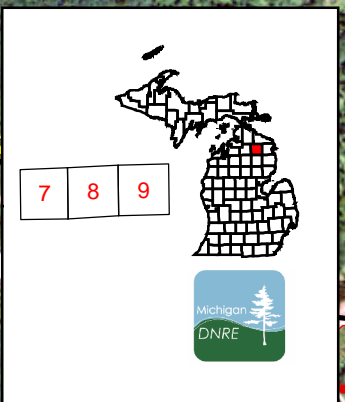


Table 1 – Total Acres by Cover Type and Age Class

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	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	32	39	15	126	84	0	0	0	0	0	0	0	0	0	296
Hemlock	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	17
Herbaceous Openland	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Jack Pine	0	22	0	23	59	0	0	0	0	0	0	0	0	0	0	104
Mixed Upland Deciduous	0	0	24	15	65	0	15	0	0	0	195	0	0	0	0	314
Natural Mixed Pines	0	0	0	0	30	0	31	12	0	0	0	0	0	0	0	72
Northern Hardwood	0	0	6	0	38	14	0	0	0	0	521	0	0	0	0	579
Oak	0	0	0	0	0	0	0	0	0	35	140	0	0	0	0	176
Red Pine	0	0	0	0	0	0	0	0	61	7	6	0	0	0	0	75
Upland Conifers	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	0	0	9	15	0	0	31	0	0	0	0	0	0	0	56
Upland Shrub	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	6	10	0	10	0	0	0	0	0	0	0	0	26
Total	157	53	68	69	342	99	68	43	61	43	879	0	0	0	0	1883



Table 2 – Proposed Treatment Summaries

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Atlanta Mgt. Unit
Year of Entry 2012

Compartment 031
Total Compartment Acres: 1883

Acres by Treatment Type

Commercial Harvest - 531	Site Prep - 32	Tree Planting - 58	Prescribed Burn - 0	Other - 0
Habitat Cut - 25	Opening Maintenance - 90	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Mixed Upland Deciduous	0	9	12	0	66	0		87
Northern Hardwood	0	0	0	0	320	0		320
Oak	13	65	0	0	0	0		78
Red Pine	66	0	6	0	0	0		72
Total	79	73	18	0	386	0		557

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4 54031004-STR	6.3	42210 - Natural Red Pine	High Density Log	90	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription: MMark red pine residual to average tree height spacing. Leave 10 BA white pine and all oak, if present. Paint in 2 chain wide buffer along High Country Pathway, using pathway as centerline. Allow whole tree skidding; require chipping of tops, with movement of tops to approved landings to be done concurrently with harvesting. Post sale: scarify sale area to regenerate red pine, but may exclude areas of heavy white pine regeneration.

Other Comments:

Next Steps: Continued scarification until full stocking of red pine is achieved.

9 54031009-STR	12.1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	90	Harvest	Seed Tree with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription: Protect existing white pine and red pine regeneration. Paint steep slopes out of sale.
Specs: Mark red pine residual to average tree height spacing. Leave an average of 5-10 BA each in white pine and oak, if present. Paint in 2 chain wide buffer along High Country Pathway, using pathway as centerline.

Other Comments: It is expected that aspen regeneration will not survive in this stand. Short term goal is to protect high density of white pine. Long term goal is to recruit red pine and oak beneath the white pine.

Next Steps:

13 54031013-CCR	7.3	42210 - Natural Red Pine	High Density Log	85	Harvest	Clearcut with Reserves	Planted Red Pine	Cmpt. Review Proposal
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Prescription: Paint out inoperable slopes. Tops are to be chipped. Use 2" spec.
Specs:

Other Comments:

Next Steps: Burn if needed to control maple. Contour trench and plant red pine.

15 54031015-STS	29.2	4123 - Red Oak	High Density Log	90	Harvest	Single Tree Selection	Red Oak	Cmpt. Review Proposal
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Prescription: Single tree select to 85 BA residual, except that no more than 1/3 of the BA in any given area is to be removed. Create one regeneration hole per 5 acres, diameter to equal height of dominant stems. Paint out of sale areas which are too steep. Place 2 chain painted buffer on seeps and vernal ponds, as well as clumps of hemlock or cedar.

Other Comments:

Next Steps:

19 54031019-CCR	13.1	4123 - Red Oak	High Density Pole	90	Harvest	Clearcut with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription: Retain all red pine and white pine. Paint out inoperably steep slopes. If stands fails to regenerate to at least a medium stocking, then paint a mix of red and white pine to act as a long-term nurse crop.

Other Comments:

Next Steps:



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24 54031024-CCR	44.2	42210 - Natural Red Pine	High Density Log	78	Harvest	Clearcut with Reserves	Natural White Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Protect white pine regeneration during harvest. Do not cut white pine. Paint in 2 chain wide buffer along High Country Pathway, using pathway
Specs: as centerline. Replant areas of insufficient regeneration with red pine.

Other
Comments:

Next
Steps:

34 54031034-ST5	7.4	4123 - Red Oak	High Density Log	85	Harvest	Single Tree Selection	Red Oak	Cmpt. Review Proposal
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Prescription Single tree select to 85 BA residual, except that no more than 1/3 of the BA in any given area is to be removed. Create one regeneration hole
Specs: per 5 acres, diameter to equal height of dominant stems. Paint out of sale areas which are too steep. Place 2 chain painted buffer on seeps and vernal ponds, as well as clumps of hemlock or cedar.

Other
Comments:

Next
Steps:

43 54031043-CT	22.4	4119 - Mixed Northern Hardwoods	High Density Log	90	Harvest	Crown Thinning	Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on
Specs: seeps and vernal ponds, as well as hemlock and cedar clumps.

Other
Comments:

Next
Steps:

45 54031045-ST5	28.0	4123 - Red Oak	High Density Log	85	Harvest	Single Tree Selection	Red Oak	Cmpt. Review Proposal
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Prescription Single tree select to 85 BA residual, except that no more than 1/3 of the BA in any given area is to be removed. Create one regeneration hole
Specs: per 5 acres, diameter to equal height of dominant stems. Paint out of sale areas which are too steep. Place 2 chain painted buffer on seeps and vernal ponds, as well as clumps of hemlock or cedar.

Other
Comments:

Next
Steps:

55 54031055-CT	41.4	4111 - S.Maple, Hard Mast Association	High Density Log	90	Harvest	Crown Thinning	S.Maple, Hard Mast Association	Cmpt. Review Proposal
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Prescription Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on
Specs: seeps and vernal ponds, as well as hemlock and cedar clumps.

Other
Comments:

Next
Steps:



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
56 54031056-CT	87.1	4119 - Mixed Northern Hardwoods	High Density Log	90	Harvest	Crown Thinning	Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
65 54031065-CT	51.0	4119 - Mixed Northern Hardwoods	High Density Log	90	Harvest	Crown Thinning	Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
69 54031069-CT	24.3	4110 - Sugar Maple Association	High Density Log	90	Harvest	Crown Thinning	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
71 54031071-CT	8.9	4110 - Sugar Maple Association	High Density Log	90	Harvest	Crown Thinning	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u> Use standard trail specs to protect HCP.								
<u>Next Steps:</u>								
74 54031074-CT	25.1	4119 - Mixed Northern Hardwoods	High Density Log	90	Harvest	Crown Thinning	Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
81 54031081-ST	8.8	4199 - Other Mixed Upland Deciduous	High Density Log	90	Harvest	Single Tree Selection	Other Mixed Upland Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 85 BA residual, except that no more than 1/3 of the BA in any given area is to be removed. Create one regeneration hole								
<u>Specs:</u> per 5 acres, diameter to equal height of dominant stems. Paint out of sale areas which are too steep. Place 2 chain painted buffer on seeps and vernal ponds, as well as clumps of hemlock or cedar.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
88 54031088-CT	59.3	4119 - Mixed Northern Hardwoods	High Density Log	90	Harvest	Crown Thinning	Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u> Use standard trail specs to protect HCP.								
<u>Next Steps:</u>								
92 54031092-CT	66.1	4199 - Other Mixed Upland Deciduous	High Density Log	90	Harvest	Crown Thinning	Other Mixed Upland Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Single tree select to 70-80 BA residual. Paint out of sale areas which are too steep--mostly in the southwest. Place 2 chain painted buffer on								
<u>Specs:</u> seeps and vernal ponds, as well as hemlock and cedar clumps.								
<u>Other Comments:</u>								
<u>Next Steps:</u>								
100 54031100-CCR	14.5	42210 - Natural Red Pine	High Density Log	77	Harvest	Clearcut with Reserves	Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Leave dense white regeneration area along north edge of stand, hemlock areas along south edge of stand, plus 3-10 percent of remaining stand								
<u>Specs:</u> area in retention which is representative of the sale area. Leave a 2 chain painted buffer along the hemlock. Paint steep slopes out of the sale area.								
<u>Other Comments:</u>								
<u>Next Steps:</u> Trench and plant red pine.								
23 54031023-Scarify	31.6	4133 - Aspen, Mixed Pine	High Density Log	4	Site Prep	Scarification	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Scarify insufficiently regenerated areas to promote red and white pine regeneration.								
<u>Specs:</u>								
<u>Other Comments:</u> Aspen regeneration often browsed, where present. Some areas have 6-12" jack pine in high numbers.								
<u>Next Steps:</u> If scarification fails, trench and plant red pine.								
20 54031020-Plant RP	21.5	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Sapling	3	Tree Planting	Hand Plant	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Regeneration survey first. If insufficient regeneration is found, then trench and plant red pine where needed to meet objective of full stocking.								
<u>Specs:</u>								
<u>Other Comments:</u> Currently has five foot tall aspen, much of it appearing dead.								
<u>Next Steps:</u>								
42 54031042-Plant RP	36.6	42220 - Natural Jack Pine	Low Density Sapling	35	Tree Planting	Machine Plant	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Trench and plant red pine and white pine (plus acorns if available) where natural regeneration has failed. Site prep may include removal of bushy								
<u>Specs:</u> jack pine. Protect any sufficiently stocked clones of aspen.								
<u>Other Comments:</u> Natural regeneration appears to have failed in this stand.								
<u>Next Steps:</u>								

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30 NF_54031030-NonFor	1.8	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u> Opening has been planted to oats in the past								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
31 NF_54031031-NonFor	1.9	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
47 NF_54031047-NonFor	4.4	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u> North end of large field extending into compartment to south. Heavy elk use								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
52 NF_54031052-NonFor	16.2	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
57 NF_54031057-NonFor	8.3	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
64 NF_54031064-NonFor	7.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
67 NF_54031067-NonFor	4.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
75 NF_54031075-NonFor	8.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
84 NF_54031084-NonFor	14.3	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u> Horse camps in this opening seasonally								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
89 NF_54031089-NonFor	10.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
93 NF_54031093-NonFor	5.5	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								
96 NF_54031096-NonFor	4.3	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	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 Comments:</u>								
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation								

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Data updated before 2:00 PM

	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
104	NF_54031104-NonFor	2.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Maintain as opening through mowing and/or planting to food and cover crops for wildlife

Specs:

Other

Comments:

Next Steps: Monitor for cover type and perform opening maintenance on 5-10 year rotation

**Total Treatment
Acreage Proposed: 735.9**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0



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

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 031

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42290 - Natural Mixed Pine	High Density Log	3.8	60	81-110	
2	4311 - Pine, Aspen Mix	High Density Pole	31.3	60	51-80	
3	4130 - Aspen	High Density Pole	9.4	40	51-80	
4	42210 - Natural Red Pine	High Density Log	6.3	90	171-200	Red pine runs 8-15" DBH. An attractive, almost pure stand of natural red pine on the High Country Pathway. Apparently red pine monoculture isn't only for plantations.
5	429 - Mixed Upland Conifers	High Density Pole	12.1	58		
6	4130 - Aspen	High Density Sapling	14.8	40	1-50	New stand added.
7	42290 - Natural Mixed Pine	High Density Pole	7.2	39		
8	42290 - Natural Mixed Pine	High Density Pole	30.8	58		
9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	12.1	90	51-80	Some steep slopes. Lots of sub three-foot maple--browsed.
10	4131 - Aspen, Oak	High Density Pole	15.1	40	1-50	New stand added.
11	4123 - Red Oak	High Density Log	21.0	90	81-110	some steep slopes. White pine saplings in dense, full-coverage patches. High end of poor quality oak--not a lot of good logs, but not failing apart either. High County Pathway runs up middle of stand.
12	4130 - Aspen	High Density Sapling	11.9	15		heavy browse at five feet
13	42210 - Natural Red Pine	High Density Log	7.3	85	81-110	
14	4130 - Aspen	High Density Pole	6.8	46	51-80	
15	4123 - Red Oak	High Density Log	29.2	90	141-170	Nice oak, often 2-4 clear eight foot logs.
17	42210 - Natural Red Pine	High Density Log	2.3	78	51-80	
18	4116 - Mixed N. Hardwood - Aspen	Medium Density	5.9	16		

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 031

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4123 - Red Oak	High Density Pole	13.1	90	81-110	New stand added. PQ
20	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Sapling	21.5	3		five foot tall aspen, much of it appearing dead.
21	4130 - Aspen	High Density Sapling	13.8	16		Stand swapped from Non-Forested to Forested.
22	4131 - Aspen, Oak	High Density Pole	9.8	40	1-50	patch of nice oak in east end
23	4133 - Aspen, Mixed Pine	High Density Log	31.6	4	1-50	Aspen regeneration often browsed, where present. Some areas have 6-12" jack pine in high numbers.
24	42210 - Natural Red Pine	High Density Log	44.2	78	81-110	New stand added.
25	4130 - Aspen	High Density Sapling	5.2	35	1-50	scattered oak
27	4130 - Aspen	High Density Sapling	4.4	36	1-50	New stand added.
28	4132 - Aspen, Jack Pine	High Density Pole	21.3	35	1-50	
29	42220 - Natural Jack Pine	Medium Density	3.7	36		
32	42220 - Natural Jack Pine	High Density Sapling	18.8	35		
33	42260 - Natural Pine, Mixed Deciduous	High Density Log	8.0	60	81-110	
34	4123 - Red Oak	High Density Log	7.4	85	111-140	Also, hemlock.
35	42260 - Natural Pine, Mixed Deciduous	High Density Pole	11.9	36		
37	42220 - Natural Jack Pine	High Density Sapling	23.3	26		
38	42260 - Natural Pine, Mixed Deciduous	Medium Density Pole	10.4	36		
39	4130 - Aspen	High Density Pole	7.0	38	81-110	Just barely upland. Vernal ponds.
40	4119 - Mixed Northern Hardwoods	High Density Sapling	7.7	36		

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 031

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Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4130 - Aspen	High Density Pole	8.0	36	51-80	
42	42220 - Natural Jack Pine	Low Density Sapling	36.6	35		Barely 25%. Most aspen regen 5' tall and dead. Much 5' cherry brush.
43	4119 - Mixed Northern Hardwoods	High Density Log	25.7	90	81-110	AFO
44	4311 - Pine, Aspen Mix	High Density Pole	15.3	36	1-50	
45	4123 - Red Oak	High Density Log	28.0	85	111-140	High quality oak, poor quality ash.
46	4130 - Aspen	High Density Pole	30.9	36	1-50	
48	4111 - S.Maple, Hard Mast Association	High Density Pole	29.8	36	1-50	AFO.
49	4199 - Other Mixed Upland Deciduous	High Density Sapling	15.1	50	1-50	PQ, transitional stand. Cherry brush patch in center of stand.
50	42350 - Upland Hemlock	High Density Log	16.6	90	200+	Hemlock on top of hill, no vernal ponds. AFO.
51	4199 - Other Mixed Upland Deciduous	High Density Pole	12.8	36	1-50	
53	4123 - Red Oak	High Density Log	18.6	90	81-110	HQ site. Steep.
54	4139 - Aspen, Mixed Deciduous	High Density Sapling	12.9	15		Stand swapped from Non-Forested to Forested.
55	4111 - S.Maple, Hard Mast Association	High Density Log	64.7	90	111-140	Hemlock present throughout.
56	4119 - Mixed Northern Hardwoods	High Density Log	90.3	90	111-140	
59	4130 - Aspen	High Density Pole	11.8	45	1-50	
60	4199 - Other Mixed Upland Deciduous	High Density Pole	77.0	90	81-110	AFO.
61	4130 - Aspen	High Density Pole	14.7	36	1-50	
62	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	14.1	45	1-50	

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 031

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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	4199 - Other Mixed Upland Deciduous	High Density Log	6.9	90	51-80	
65	4119 - Mixed Northern Hardwoods	High Density Log	51.0	90	141-170	
66	4130 - Aspen	High Density Log	7.7	38	51-80	
68	4199 - Other Mixed Upland Deciduous	High Density Sapling	52.1	36	1-50	AFO.
69	4110 - Sugar Maple Association	High Density Log	24.3	90	141-170	
71	4110 - Sugar Maple Association	High Density Log	8.9	90	111-140	AFO.
72	4199 - Other Mixed Upland Deciduous	Medium Density	4.3	16		open area in center of stand. Was hit harder and more recently by browsing than was stand 100.
73	4119 - Mixed Northern Hardwoods	High Density Log	15.0	90	51-80	
74	4119 - Mixed Northern Hardwoods	High Density Log	37.9	90	141-170	
76	4139 - Aspen, Mixed Deciduous	High Density Sapling	15.3	26	1-50	
77	4199 - Other Mixed Upland Deciduous	High Density Sapling	2.8	16		
78	4199 - Other Mixed Upland Deciduous	High Density Sapling	16.5	15		
80	4111 - S.Maple, Hard Mast Association	High Density Pole	78.4	90	81-110	AFO.
81	4199 - Other Mixed Upland Deciduous	High Density Log	8.8	90	111-140	
82	4130 - Aspen	High Density Pole	27.0	36	51-80	
83	4123 - Red Oak	High Density Log	15.5	90	81-110	All over the place on BA, Kotar and species mix.
85	4199 - Other Mixed Upland Deciduous	High Density Sapling	15.5	26		
86	4123 - Red Oak	High Density Log	14.8	90	51-80	Part of hardwood stand in which everything except oak was removed, for whatever reason. Will need decades to recover.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 031

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
87	42200 - Natural White Pine	High Density Pole	9.9	50	51-80	
88	4119 - Mixed Northern Hardwoods	High Density Log	59.3	90	111-140	AFO.
91	4123 - Red Oak	High Density Pole	28.3	90	81-110	steep. illegal ORV use.
92	4199 - Other Mixed Upland Deciduous	High Density Log	78.9	90	141-170	
94	42200 - Natural White Pine	High Density Pole	9.8	36		Needs to self prune.
95	4119 - Mixed Northern Hardwoods	High Density Log	65.4	90	81-110	
98	4311 - Pine, Aspen Mix	High Density Log	8.9	26		
100	42210 - Natural Red Pine	High Density Log	14.5	77	141-170	Pure hemlock on south edge of stand.
101	42200 - Natural White Pine	High Density Sapling	5.9	25		
102	4199 - Other Mixed Upland Deciduous	High Density Pole	11.4	90	81-110	Higher volume is on steep north end next to hemlock patches. Hold.
103	4139 - Aspen, Mixed Deciduous	High Density Pole	16.8	40	81-110	



Stand	Cover Type	Acres	Gen Cmts:
16	122 - Road/Parking Lot	8.2	
26	320 - Upland Shrub	7.6	
30	3102 - Grass	1.8	
31	3102 - Grass	1.9	
36	3102 - Grass	1.2	
47	3102 - Grass	4.4	
52	3102 - Grass	16.2	
57	3102 - Grass	8.3	
58	320 - Upland Shrub	15.9	
64	3102 - Grass	7.7	
67	3102 - Grass	4.7	
70	320 - Upland Shrub	27.9	
75	3102 - Grass	8.7	
79	122 - Road/Parking Lot	0.7	
84	3102 - Grass	14.3	
89	3102 - Grass	10.0	
90	122 - Road/Parking Lot	4.0	
93	3102 - Grass	5.5	



Stand	Cover Type	Acres	Gen Cmts:
96	3102 - Grass	4.3	
97	320 - Upland Shrub	0.6	
99	3102 - Grass	1.6	
104	3102 - Grass	2.0	



7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments



8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Data updated before 2:00 PM

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

Conservation Area	Type	Description
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.