



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 21

Entry Year 2016

Acreage: 1,949

County Montmorency

Management Area: AuSable Outwash

Revision Date: 10/28/2014

Stand Examiner: Chad Fate

Legal Description:

T30N, R01E, Sec. 28, 29, 31, 32, 33 & 34

Identified Planning Goals:

Maintain and restore oak conifer mix. Maintain rich hardwood and hemlock component in section 34.

Soil and topography:

Mostly flat with some steeper frost pockets. Soils are mostly dry and sandy. Most of the compartment has habitat types of PArVHa/PArVVb with some PVCd. However, the north half of section 34 has very rich soils with habitat type of AFO. Wetlands and vernal ponds are common in Section 34 as well.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

There are several private parcel inholdings within the compartment. The area to the north and east is privately owned and is a mix of residential, agricultural, and some gravel mining. The area to the west is Otsego County with mostly State land and residential around Big Bear Lake. The area to the south is mostly State Forest Land.

Unique Natural Features:

Some occurrences and potential occurrences have been reported.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

None at this time.

Watershed and Fisheries Considerations:

No special concerns for this compartment.

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the featured species which occur in this compartment. This includes Snowshoe hare, ruffed grouse, wild turkey, American woodcock, and white-tailed deer. Based on the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest; large open grassland complexes and marsh/grassland complexes; the retention of large, over-mature trees and snags; and the maintenance and expansion of hard mast and mesic conifer components.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of medium-textured 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 in Section 27 and potential is considered good. This area has been drilled and is producing gas from the Antrim Shale.

Vehicle Access:

There are county roads and many gas pipeline roads throughout the compartment. Any new roads during harvest operations should be closed off upon completion of timber sales to help minimize illegal ORV and vehicle access and damage.

Survey Needs:

None at this time

Recreational Facilities and Opportunities:

Both ORV and snowmobile trails run through this compartment.

Fire Protection:

Atlanta Management Unit fire protection area. Also, Vienna Fire Department is approximately 2 miles from the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

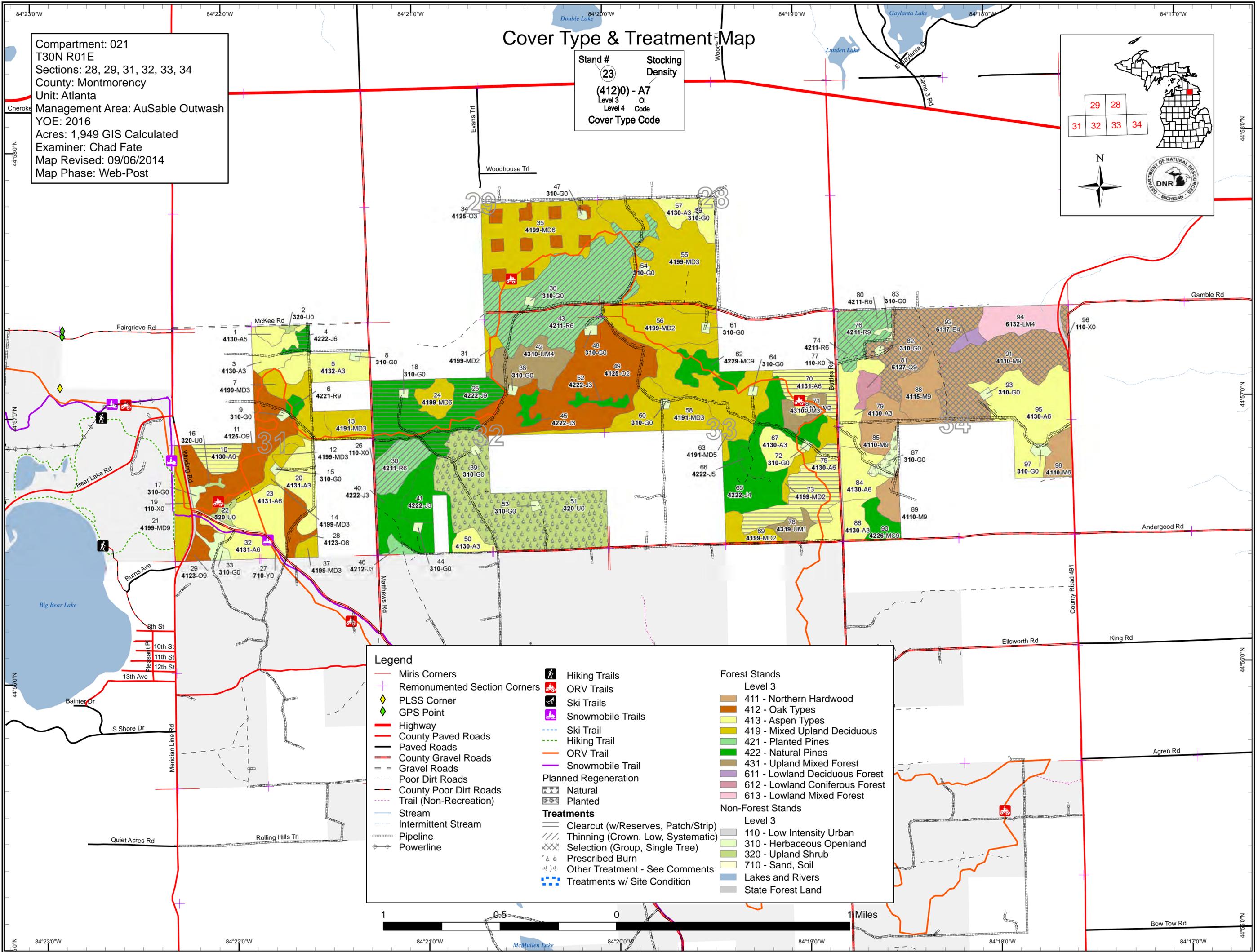
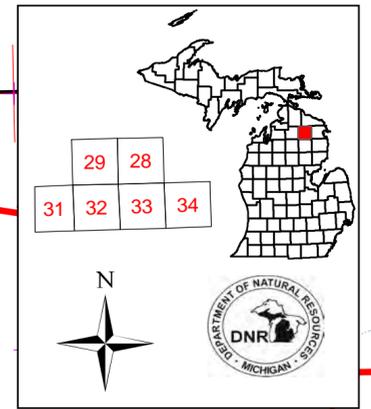
The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 021
 T30N R01E
 Sections: 28, 29, 31, 32, 33, 34
 County: Montmorency
 Unit: Atlanta
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,949 GIS Calculated
 Examiner: Chad Fate
 Map Revised: 09/06/2014
 Map Phase: Web-Post

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



Legend

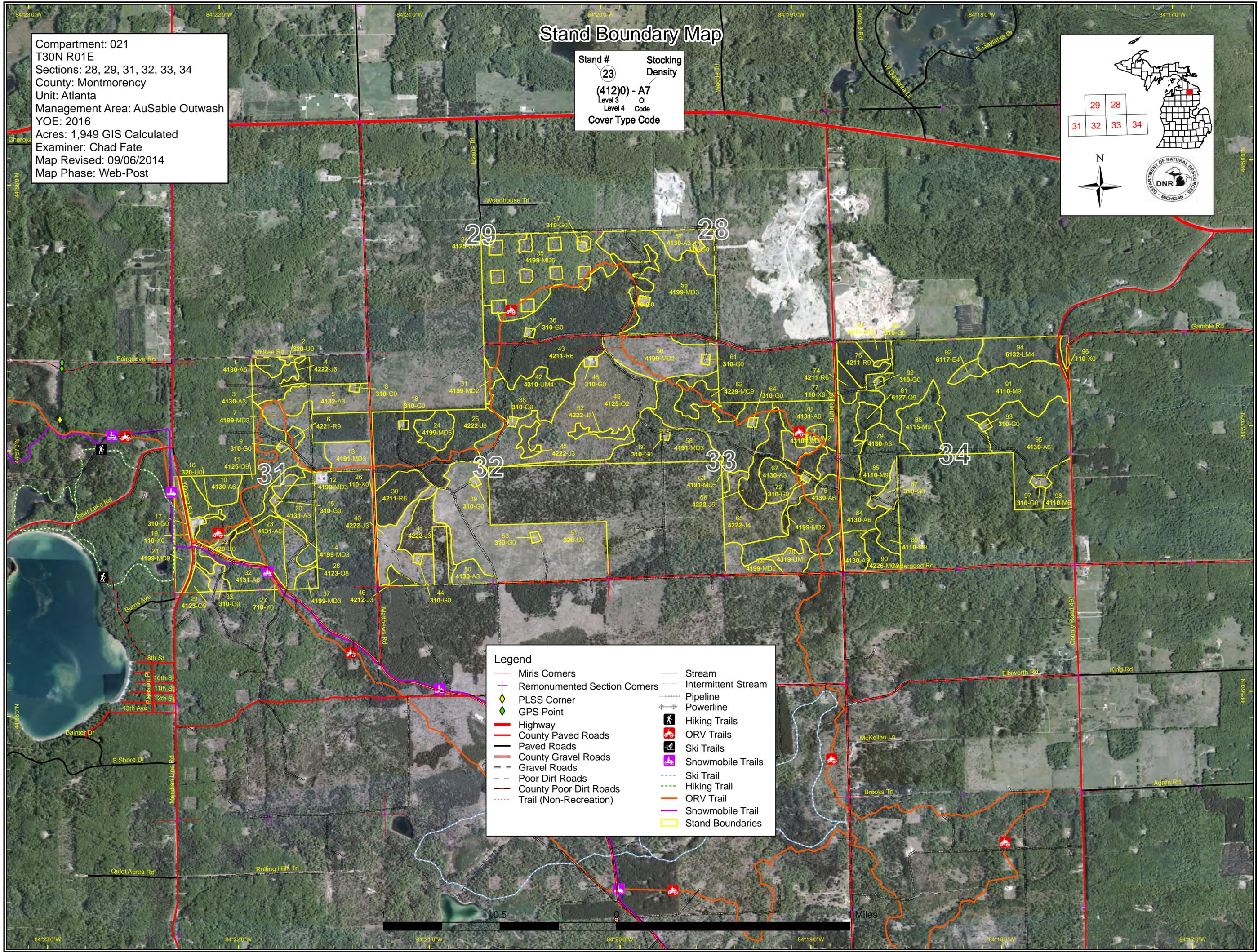
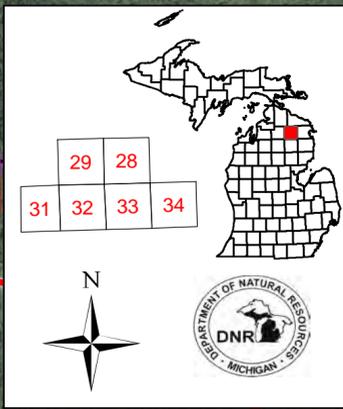
<ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners ◆ PLSS Corner ◆ GPS Point — Highway — County Paved Roads — Paved Roads — County Gravel Roads — Gravel Roads — Poor Dirt Roads — County Poor Dirt Roads — Trail (Non-Recreation) — Stream — Intermittent Stream — Pipeline — Powerline 	<ul style="list-style-type: none"> — Hiking Trails — ORV Trails — Ski Trails — Snowmobile Trails — Ski Trail — Hiking Trail — ORV Trail — Snowmobile Trail — Planned Regeneration — Natural — Planted <p>Treatments</p> <ul style="list-style-type: none"> — Clearcut (w/Reserves, Patch/Strip) — Thinning (Crown, Low, Systematic) — Selection (Group, Single Tree) — Prescribed Burn — Other Treatment - See Comments — Treatments w/ Site Condition 	<p>Forest Stands</p> <p>Level 3</p> <ul style="list-style-type: none"> — 411 - Northern Hardwood — 412 - Oak Types — 413 - Aspen Types — 419 - Mixed Upland Deciduous — 421 - Planted Pines — 422 - Natural Pines — 431 - Upland Mixed Forest — 611 - Lowland Deciduous Forest — 612 - Lowland Coniferous Forest — 613 - Lowland Mixed Forest <p>Non-Forest Stands</p> <p>Level 3</p> <ul style="list-style-type: none"> — 110 - Low Intensity Urban — 310 - Herbaceous Openland — 320 - Upland Shrub — 710 - Sand, Soil — Lakes and Rivers — State Forest Land
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Stand Boundary Map

Compartment: 021
 T30N R01E
 Sections: 28, 29, 31, 32, 33, 34
 County: Montmorency
 Unit: Atlanta
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,949 GIS Calculated
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 Map Revised: 09/06/2014
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Stand # **23**
 Stocking Density
(4120) - A7
 Level 3 OI Code
 Level 4 Code
 Cover Type Code



Legend

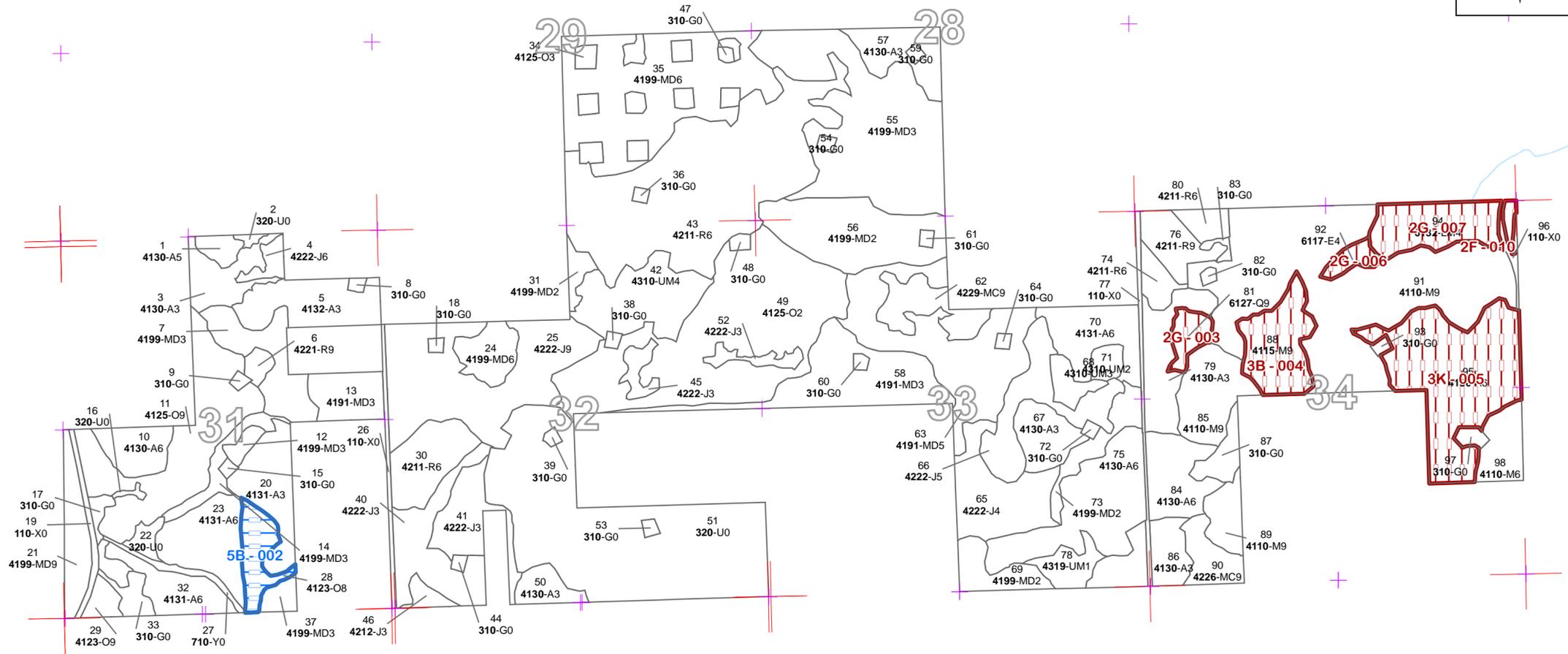
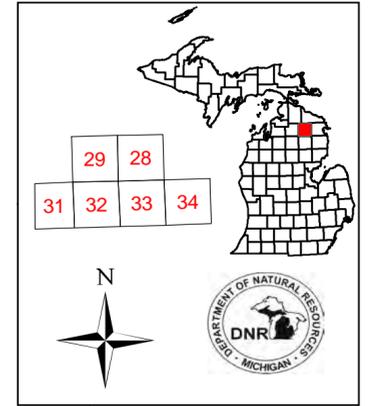
Miris Corners	Stream
Remonumented Section Corners	Intermittent Stream
PLSS Corner	Pipeline
GPS Point	Powerline
Highway	Hiking Trails
County Paved Roads	ORV Trails
Paved Roads	Ski Trails
County Gravel Roads	Snowmobile Trails
Gravel Roads	Ski Trail
Poor Dirt Roads	Hiking Trail
County Poor Dirt Roads	ORV Trail
Trail (Non-Recreation)	Snowmobile Trail
	Stand Boundaries



Special Conservation Areas & Site Conditions Map

Compartment: 021
 T30N R01E
 Sections: 28, 29, 31, 32, 33, 34
 County: Montmorency
 Unit: Atlanta
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,949 GIS Calculated
 Examiner: Chad Fate
 Map Revised: 09/06/2014
 Map Phase: Web-Post

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



Legend
 — Miris Corners
 + Remonumented Section Corners
 Site Condition Available
 Available w/ Constraints (Factor - Number)
 Unavailable (Factor - Number)
 Dedicated Special Conservation Areas
 Cold Water Streams
 Stand Boundaries



44°58'0"N

44°57'0"N

44°56'0"N

84°17'0"W

84°18'0"W

84°19'0"W

84°23'0"W

84°22'0"W

84°21'0"W

84°20'0"W

84°19'0"W

84°18'0"W

84°17'0"W

Report 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 +		Uneven Age
Aspen	35	77	51	15	43	83	46	24	0	0	0	0	0	0	375
Herbaceous Openland	39	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Jack Pine	29	10	61	24	0	0	72	5	0	0	0	0	0	0	202
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Lowland Deciduous	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	26	0	0	26
Mixed Upland Deciduous	64	41	34	199	0	0	16	78	0	0	0	0	0	0	432
Natural Mixed Pines	0	0	0	0	0	0	0	12	0	17	0	0	0	0	29
Northern Hardwood	0	0	0	0	0	0	0	14	175	27	0	0	0	0	215
Oak	0	134	0	0	0	0	0	67	0	13	0	0	0	0	215
Red Pine	0	0	0	13	0	170	0	0	4	0	0	0	0	0	187
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	5	7	10	0	0	34	0	0	0	0	0	0	0	0	55
Upland Shrub	138	0	0	0	0	0	0	0	0	0	0	0	0	0	138
Urban	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	334	269	156	251	43	287	134	204	179	57	8	26	0	0	1949



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2016

Compartment 021
Total Compartment Acres: 1,949

Acres by Treatment Type

Commercial Harvest - 485 Tree Planting - 0 Other - 132
 Habitat Cut - 0 Opening Maintenance - 8

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 Types	84	0	0	0	0	0	84
Natural Pines	77	0	0	0	0	0	77
Northern Hardwood	0	141	0	0	0	0	141
Planted Pines	0	0	0	0	183	0	183
Total	161	141	0	0	183	0	485



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	54021004-Cut	4.6	42220 - Natural Jack Pine	High Density Pole	70		Harvest	Clearcut with Reserves	4132 - Aspen, Jack Pine	Cmpt. Review Proposal

Prescription Clearcut, cut everything 2 inch DBH and larger. Leave retention in the SW finger of the stand.

Specs:

Other acceptable regen is a medium to well stocked mix of aspen and jack pine with oak, maple, and cherry.

Comments:

Next check regen during next inventory cycle

Steps:

Proposed

Start Date: 10/01/2015

10	54021010-Cut	13.8	4130 - Aspen	High Density Pole	54		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut, use 2" spec. Leave 3-10% island retention. Use trail specs if hauling will cross the ORV trail.

Specs:

Other there is an old railroad grade going through the stand. Access should be to the west to Meridian Line Rd. if other access is used, then include

Comments: appropriate trail specs. Acceptable regen is aspen with oak and red maple component.

Next regen check during next inventory cycle.

Steps:

Proposed

Start Date: 10/01/2015

25	54021025-Cut	72.3	42220 - Natural Jack Pine	High Density Log	63		Harvest	Clearcut with Reserves	42221 - Natural Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Clearcut, leave 3-10% area retention along the orv trail. Use trail specs. Whole tree skid with snow off conditions to get scarification.

Specs:

Other Acceptable regen is medium to well stocked stand of jack pine with a mix of oak, red maple, and cherry.

Comments:

Next Follow up with natural regen survey, if regen fails, consider trenching and planting jack pine.

Steps:

Proposed

Start Date: 10/01/2015

30	54021030- Thin	22.5	42110 - Planted Red Pine	High Density Pole	54	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription 3rd row thin. Some spots are very dense and narrow rows. consider marking the 1st couple trees of each row since 2 rows will have to go in

Specs: some places. when this is the case, leave 3 instead of 2. Use trail specs if landing and hauling wood from the north, not needed if landing off of Matthews Rd.

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015



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	54021043- Thin	133.5	42110 - Planted Red Pine	High Density Pole	55	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Remove every 4th or 5th row and thinning from below in the other rows where planting space between trees and between rows is variable.

Specs: Where density is higher and row spacing is wide enough, take every 3rd row. Mark stand to be cut. shortwood only. Use trail specs.

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

70	54021070-Cut	23.7	4131 - Aspen, Oak	High Density Pole	71		Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
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Prescription Clearcut, use 2" spec. leave 10% retention island near Buttles Rd. include pockets of oak in the retention island. use orv trail specs.

Specs:

Other acceptable regen is a medium to well stocked mis of aspen and oak

Comments:

Next check during next inventory cycle

Steps:

Proposed

Start Date: 10/01/2015

74	54021074- Thin	7.1	42110 - Planted Red Pine	High Density Pole	30	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription 3rd row thin. possibly mark first few trees of each row to be removed, in some areas with wider rows, may be able to skip 3 rows and take the

Specs: 4th. Look stand over before laying out which rows to take.

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

75	54021075-Cut	46.1	4130 - Aspen	High Density Pole	65		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription clearcut, leave 3-10% retention. use orv trail specs.

Specs:

Other acceptable regen is a medium to well stocked stand of aspen

Comments:

Next check regen at next inventory cycle

Steps:

Proposed

Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
76	54021076- Thin	14.0	42110 - Planted Red Pine	High Density Log	52	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> crown thin to 120 ba										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
80	54021080- Thin	6.2	42110 - Planted Red Pine	High Density Pole	30	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> 3rd row thin. possibly mark first few trees of each row to be removed, in some areas with wider rows, may be able to skip 3 rows and take the										
<u>Specs:</u> 4th. Look stand over before laying out which rows to take.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
91	54021091-Cut	140.7	4110 - Sugar Maple Association	High Density Log	85	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
<u>Prescription</u> Thin to 80BA. Put in 1 large canopy gap per 5 acres (100-150ft crown opening) to start regeneration. follow marking guide and manage for the										
<u>Specs:</u> best crop trees in place. Buffer and exclude vernal pond areas.										
<u>Other</u>										
<u>Comments:</u> accpetable regen in the gaps is mixed northern hardwoods. The Treatment boundary may change due due to the proposed ERA around the hemlock community (Stand 88).										
<u>Next</u>										
<u>Steps:</u> Check regen gaps for success at next inventory cycle										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
51	NF_54021051- Burn	132.3	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
<u>Prescription</u> Burn in spring or early summer to promote natural pine barrens and open habitats										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u> Monitor and burn on rotation - once every 3 to 5 years.										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
87	NF_54021087- NonFor	7.7	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										

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Atlanta Mgt. Unit

**Report 3 -- Treatments Prescribed
with No Limiting Factor**

Compartment: 021
Year of Entry 2016



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		624.6							

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

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment 021
Year of Entry 2016

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions					
				No	5B	3K	3B	2G	2F
375	305	70	Aspen	305		70			
202	202		Jack Pine	202					
8		8	Lowland Conifers					8	
5		5	Lowland Deciduous					5	
26		26	Lowland Mixed Forest					26	
432	432		Mixed Upland Deciduous	432					
29	29		Natural Mixed Pines	29					
215	187	29	Northern Hardwood	187			27		2
215	215		Oak	201	13				
187	187		Red Pine	187					
55	55		Upland Mixed Forest	55					
1,748	1,611	137	Total Forested Acres	1,598	13	70	27	39	2
	92%	8%	Relative Percent						

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available	5B: Maintain for regeneration purposes	13				
Comments: stand is regenerating, wait until it is established before taking the oversory off.							
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	8				
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment 021
Year of Entry 2016

004	Not Available	3B: Threatened, endangered, and special concern species/communities	27	2G: Too wet (sensitive soils, does not include access issues)	3K: Rare or unique landforms
Comments: Hemlock stand, sensitive soils, vernal ponds					
005	Not Available	3K: Rare or unique landforms	70	2G: Too wet (sensitive soils, does not include access issues)	3B: Threatened, endangered, and special concern species/communities
Comments: lots of vernal ponds and sensitive soils					
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5		
Comments:					
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	26		
Comments:					
010	Not Available	2F: Too steep	2	5E: Long Term Retention	
Comments:					



Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 021
Year of Entry: 2016

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Medium Density Pole	4.9	25		
3	4130 - Aspen	High Density Sapling	15.7	19		
4	42220 - Natural Jack Pine	High Density Pole	4.6	70		
5	4132 - Aspen, Jack Pine	High Density Sapling	26.9	5		scattered red and white pine log trees along Matthews Rd
6	42210 - Natural Red Pine	High Density Log	3.5	88	111-140	Older stand of large red and white pine with full coverage of red maple, oak, and white pine understory
7	4199 - Other Mixed Upland Deciduous	High Density Sapling	23.6	12		mixed oak aspen red maple cut in 2002.
10	4130 - Aspen	High Density Pole	13.8	54		
11	4125 - Black, N. Pin Oak	High Density Log	58.9	70	81-110	some oaks have crown die back. scattered oak regen throughout, especially where canopy is more open. looks as though aspen and red maple were cut out years ago. most current red maple in the stand are small poles and stump sprout origin
12	4199 - Other Mixed Upland Deciduous	High Density Sapling	3.4	5		cut in 2009
13	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	15.3	5		cut in 2009
14	4199 - Other Mixed Upland Deciduous	High Density Sapling	9.1	28		poor quality scrub oak and aspen with mixed upland shrub. sw part of stand is a valley. ORV trail has erosion.
20	4131 - Aspen, Oak	High Density Sapling	24.4	28		
21	4199 - Other Mixed Upland Deciduous	High Density Log	15.9	65	81-110	some steep slopes, very sandy.
23	4131 - Aspen, Oak	High Density Pole	26.4	44		logger select in 1970. some larger trees left from the original stand.
24	4199 - Other Mixed Upland Deciduous	High Density Pole	13.1	28	51-80	scattered pole and log sized trees with lots of rm and shrubs in understory
25	42220 - Natural Jack Pine	High Density Log	72.3	63		pockets of advanced red maple regen through out
28	4123 - Red Oak	Medium Density Log	13.3	94	1-50	shelterwood cut was done in 2010. good regen. oak regen is in stump sprouts.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4123 - Red Oak	High Density Log	8.3	72	81-110	
30	42110 - Planted Red Pine	High Density Pole	22.5	54	171-200	planted red pine with jack pine
31	4199 - Other Mixed Upland Deciduous	Medium Density	4.6	14		mostly sapling sized shrubs and trees with scattered pole sized oaks and jp. lots of dead oak.
32	4131 - Aspen, Oak	High Density Pole	16.9	44		logger select in 1970. some larger trees left from original stand.
34	4125 - Black, N. Pin Oak	High Density Sapling	18.6	17		5 spot cut in 1997
35	4199 - Other Mixed Upland Deciduous	High Density Pole	78.0	78	51-80	small diameter medium quality oak, low ba, good regen in the 5 spots
37	4199 - Other Mixed Upland Deciduous	High Density Sapling	4.7	38		very steep kettle pot hole
40	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	29.4	5		cut in 2009
41	42220 - Natural Jack Pine	High Density Sapling	20.2	39		Stand is not quite a pole stand. Low site index and poor soils causing slow growth.
42	4310 - Pine, Oak Mix	Low Density Pole	33.9	57	1-50	scattered jp and oak with thick understory of oak and shrubs
43	42110 - Planted Red Pine	High Density Pole	133.5	55	141-170	lower site index, jp is mostly dieing out. red pine is slow growing but good quality. never been thinned.
45	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	5.5	16		stand cut in 1998
46	42120 - Planted Jack Pine	High Density Sapling	3.8	35		
49	4125 - Black, N. Pin Oak	Medium Density	115.6	16		stand was cut in 1998.
50	4130 - Aspen	High Density Sapling	8.6	5		cut in 2009
52	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	5.0	16		stand cut in 1998
55	4199 - Other Mixed Upland Deciduous	High Density Sapling	90.9	37		Some areas of the stand have small pole size trees but overall average is sapling size. Poor soils with lower site index resulting in slow growth.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
56	4199 - Other Mixed Upland Deciduous	Medium Density	45.0	5		scattered honeysuckle and hawthorn
57	4130 - Aspen	High Density Sapling	17.7	17		
58	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	43.9	37		scattered log sized white pine. mostly sapling size trees with some merchantable pole size. Poorer quality soils with low site index resulting in slow growth.
62	42290 - Natural Mixed Pine	High Density Log	17.2	97	81-110	Large natural red and white pines. steep pot hole (kettle) on the east end if the stand.
63	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	59.3	37	1-50	
65	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Pole	32.1	27		
66	42221 - Natural Jack Pine, Mixed Deciduous	Medium Density Pole	29.3	27		
67	4130 - Aspen	High Density Sapling	15.3	37		
68	4310 - Pine, Oak Mix	High Density Sapling	6.6	16		
69	4199 - Other Mixed Upland Deciduous	Medium Density	12.7	16		scattered hawthorn.
70	4131 - Aspen, Oak	High Density Pole	23.7	71		
71	4310 - Pine, Oak Mix	Medium Density	4.6	5		
73	4199 - Other Mixed Upland Deciduous	Medium Density	12.2	27		
74	42110 - Planted Red Pine	High Density Pole	7.1	30	141-170	planted in wide rows (~10ft) with narrow spacing (~4-5ft). excelent site quality.
75	4130 - Aspen	High Density Pole	46.1	65		
76	42110 - Planted Red Pine	High Density Log	14.0	52	171-200	3rd row thinned in 1998
78	4319 - Mixed Upland Forest	Low Density Sapling	9.6	27		frost pocket, low density trees, grass and sweet fern ground cover.
79	4130 - Aspen	High Density Sapling	22.8	16		

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 021
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
80	42110 - Planted Red Pine	High Density Pole	6.2	30	141-170	planted in wide rows (about 10 ft) with narrow spacing (4-5 ft). excellent site quality.
81	6127 - Lowland Pine	High Density Log	7.6	104	81-110	
84	4130 - Aspen	High Density Pole	21.6	29		
85	4110 - Sugar Maple Association	High Density Log	24.1	81	81-110	high quality hardwood stand. thinned in 1998 and again in 2010. good regen gaps.
86	4130 - Aspen	High Density Sapling	20.8	16		
88	4115 - Y.Birch, Hemlock NH	High Density Log	26.5	92	141-170	ERA, vernal pools, sensitive soils.
89	4110 - Sugar Maple Association	High Density Log	10.4	88	81-110	thinned numerous times. high quality hardwoods. thick sm regen.
90	42260 - Natural Pine, Mixed Deciduous	High Density Log	12.0	78	81-110	steep bowl/vernal pool at south end of stand. looks to be unven aged with older pine and younger hardwoods.
91	4110 - Sugar Maple Association	High Density Log	140.7	85	141-170	high quality hdwd stand, closed canopy, low regen. vernal pools along south end. old railroad grade running through the stand.
92	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	5.2	79		wet and steep valley. black ash is mostly dead.
94	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	25.9	118		very wet. lots of dead black ash and cedar.
95	4130 - Aspen	High Density Pole	69.6	51		lots of vernal pools and seeps. full hdwd understory.
98	4110 - Sugar Maple Association	High Density Pole	13.6	72	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	3205 - Mixed Upland Shrub	1.1	Unspecified	Unspecified	grass, hawthorn, scattered trees
8	3102 - Grass	1.0	Unspecified	Unspecified	gas well
9	3102 - Grass	1.1	Unspecified	Unspecified	gas well
15	3102 - Grass	1.0	Unspecified	Unspecified	gas well
16	3205 - Mixed Upland Shrub	1.0	Unspecified	Unspecified	Piles of old stumps from the construction of Meridian Line Rd. Grown over with scrub trees, shrubs, grass, and weeds.
17	3104 - Degraded	2.6	Unspecified	Unspecified	rehabed shooting and dumping area.
18	3102 - Grass	1.0	Unspecified	Unspecified	gas well
19	11 - Low Intensity Urban	4.9	Unspecified	Unspecified	
22	3205 - Mixed Upland Shrub	4.0	Unspecified	Unspecified	cherry shrub
26	11 - Low Intensity Urban	5.0	Unspecified	Unspecified	
27	710 - Sand, Soil	4.0	Unspecified	Unspecified	
33	3102 - Grass	5.6	Unspecified	Unspecified	some scattered cherry and autumn olive.
36	3102 - Grass	1.0	Unspecified	Unspecified	gas well
38	3102 - Grass	1.0	Unspecified	Unspecified	gas well
39	3102 - Grass	1.0	Unspecified	Unspecified	gas well
44	3102 - Grass	1.0	Unspecified	Unspecified	gas well
47	3102 - Grass	1.0	Unspecified	Unspecified	gas well
48	3102 - Grass	1.4	Unspecified	Unspecified	gas facility



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
51	3205 - Mixed Upland Shrub	132.3	Unspecified	Unspecified	cherry shrubs, grass. burned in spring of 2014
53	3102 - Grass	1.1	Unspecified	Unspecified	gas well
54	3102 - Grass	1.1	Unspecified	Unspecified	Gas Well
59	3102 - Grass	1.0	Unspecified	Unspecified	gas well
60	3102 - Grass	1.0	Unspecified	Unspecified	gas well
61	3102 - Grass	1.0	Unspecified	Unspecified	gas well
64	3102 - Grass	1.0	Unspecified	Unspecified	gas well
72	3102 - Grass	1.0	Unspecified	Unspecified	gas well
77	11 - Low Intensity Urban	6.2	Unspecified	Unspecified	road
82	3102 - Grass	1.0	Unspecified	Unspecified	gas well
83	3102 - Grass	1.5	Unspecified	Unspecified	grass with scattered trees and shrubs.
87	3102 - Grass	7.7	Unspecified	Unspecified	
93	3102 - Grass	1.1	Unspecified	Unspecified	gas well
96	11 - Low Intensity Urban	2.9	Unspecified	Unspecified	road
97	3102 - Grass	2.4	Unspecified	Unspecified	