



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52123

Entry Year 2017

Acreage: 986

County Emmet

Management Area: Emmet Moraines

Revision Date: 2015-05-12

Stand Examiner: Don Stacks

Legal Description:

T36N R04W Sections 4, 5, 18, and 19....

Identified Planning Goals:

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

Primarily Blue Lakes Sands.

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

Numerous private residences are found around the compartment.

Unique Natural Features:

Potential occurrences include: Red-shouldered hawk, goshawk, bald eagle, osprey, loon, Hungerford's crawling water beetle, Douglas Stenelmis riffle beetle, early hairstreak, large water-starwort, and Michigan monkey flower.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

None listed.

Watershed and Fisheries Considerations:

This compartment is adjacent to the West Branch Maple River, and contains wetlands and other small drainages in the watershed. The West Branch Maple River and its tributaries are designated trout streams. Appropriate buffers should be maintained adjacent to these trout streams. BMPs should be applied near any seeps and drainages.

Wildlife Habitat Considerations:

This small and highly fragmented compartment has a variety of aspen age classes and treatments are designed so they will enhance habitat for deer, grouse, and woodcock. Upland shrub types will be maintained with fruit bearing shrubs to enhance habitat for turkey and other wildlife.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured till, glacial outwash sand and gravel and postglacial alluvium and minor lacustrine sand and gravel. The glacial drift thickness varies between 400 and 800 feet. The Devonian Traverse Group, Bell Shale and Dundee Limestone subcrop below the glacial drift. The Traverse and Dundee are quarried for stone and cement products. There is a gravel pit approaching the edge of State land in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 19 and others in the area. Sand and gravel potential appears good. The nearest oil and gas production, the Antrim Shale gas play, is located 18 miles to the south. There is no known oil and gas potential in the area and no State lands in the compartment are currently leased.

Vehicle Access:

Several county roads and forest trail roads provide access into the compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

No designated trails exist within the compartment.

Fire Protection:

The Pellston Field Office and the McKinley Township VFD are both located about one mile east of section 4 of the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

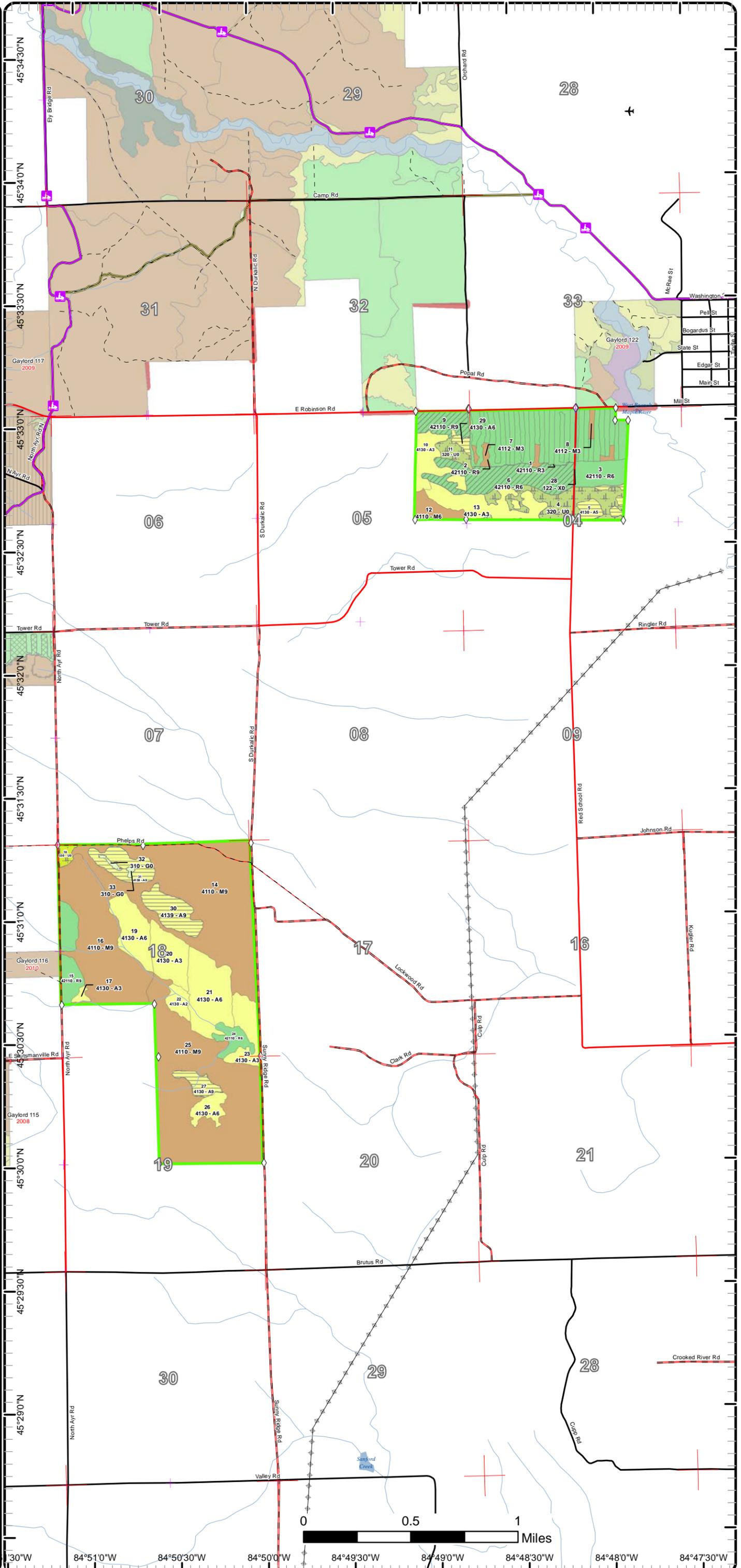
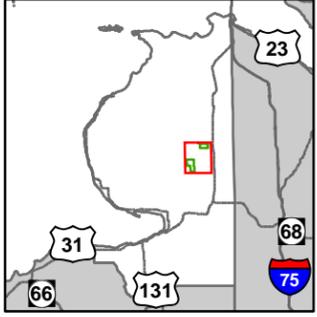
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

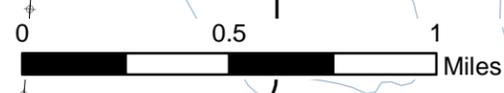
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

Cover Type & Treatments

Compartment: 123
 T36N,R04W, Sec. 4, 5, 18, 19
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Emmet Moraines
 YOE: 2017
 Acres: 986 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 5/20/2015
 Map Phase: Pre-Review



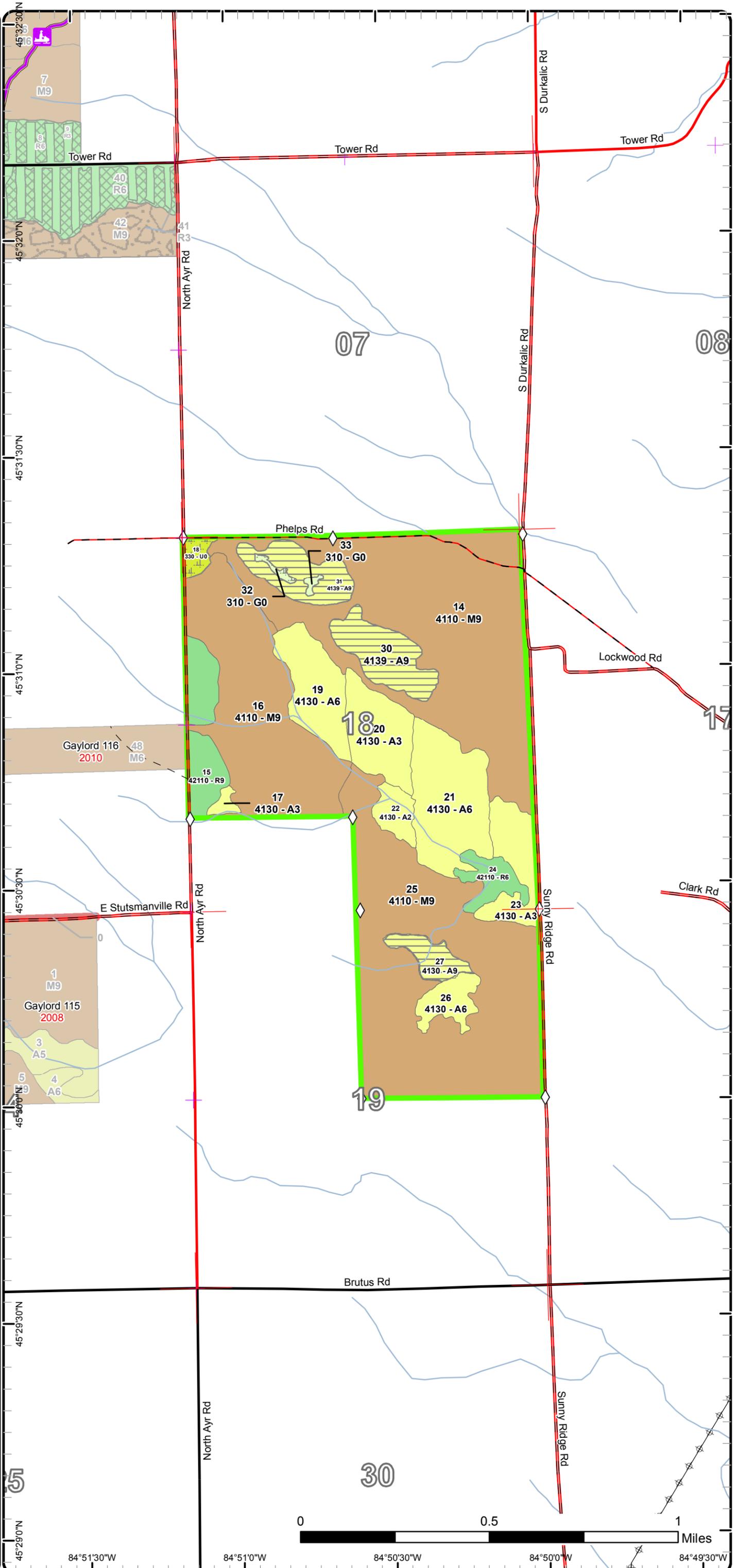
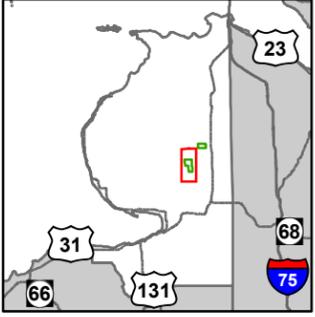
- ✚ Remonumented Section Corner
- ◇ Field Grade GPS Corners
- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- - Poor Dirt Roads
- County Poor Dirt Roads
- ✚ Airport
- Snowmobile Trails
- Rivers
- Lakes
- ⊕ Powerline
- Treatments
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Thinning (Crown, Low, Systematic)
- Forest Covertypes
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- Non-Forest Covertypes
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees



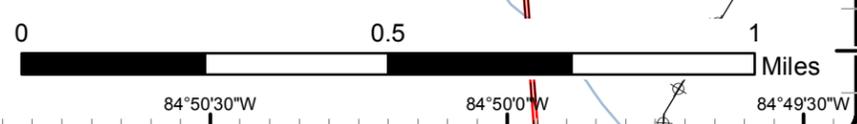
84°51'0"W 84°50'30"W 84°50'0"W 84°49'30"W 84°49'0"W 84°48'30"W 84°48'0"W 84°47'30"W

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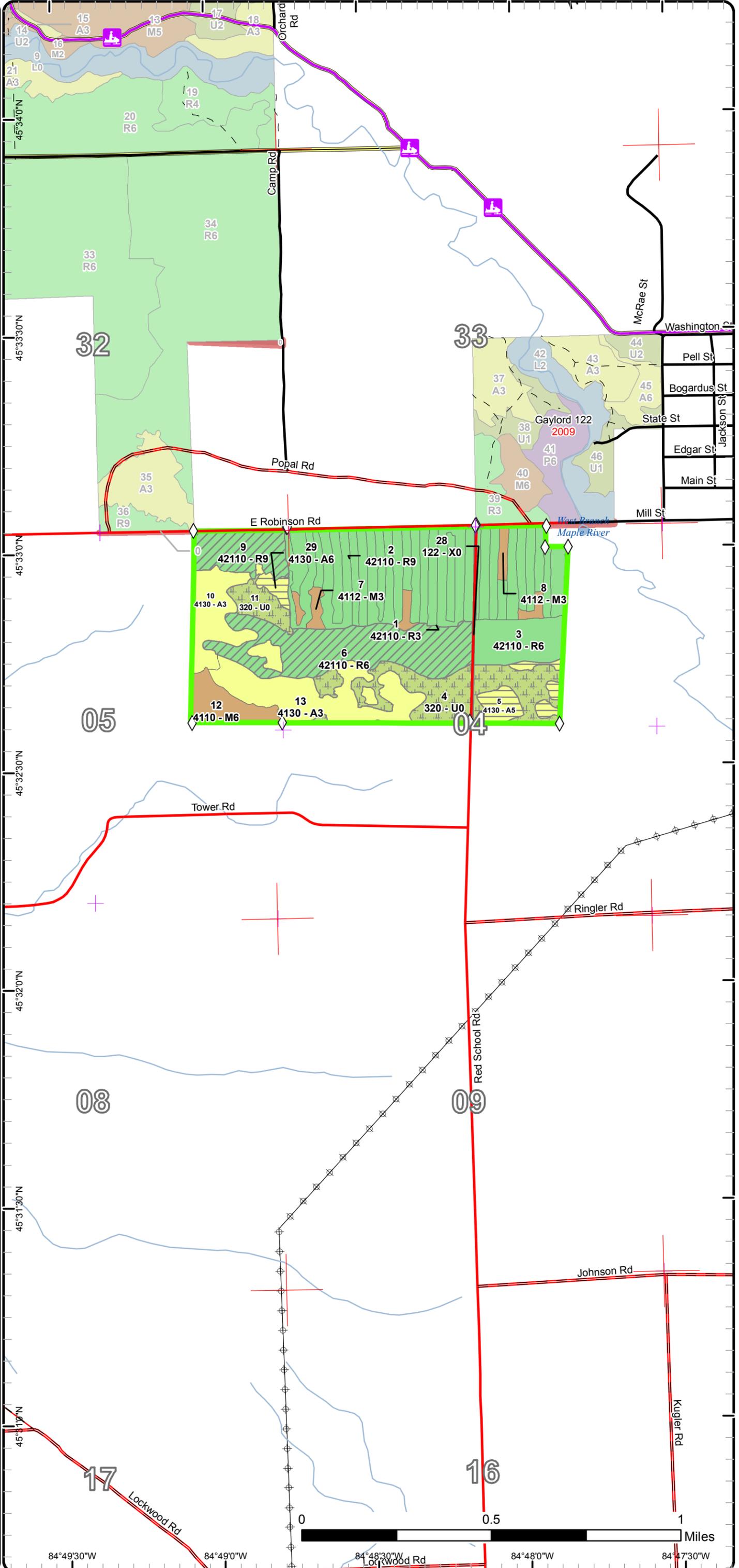
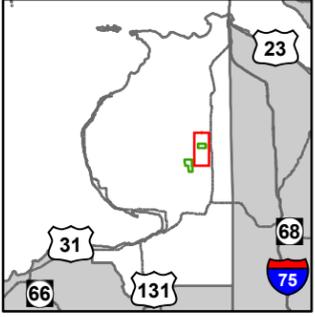


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Cover Type & Treatments

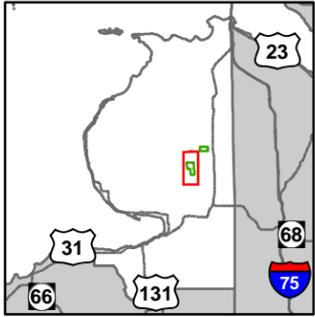
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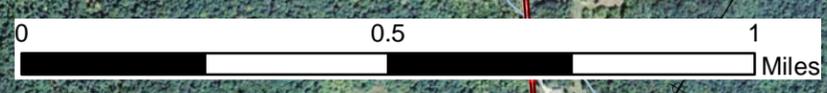
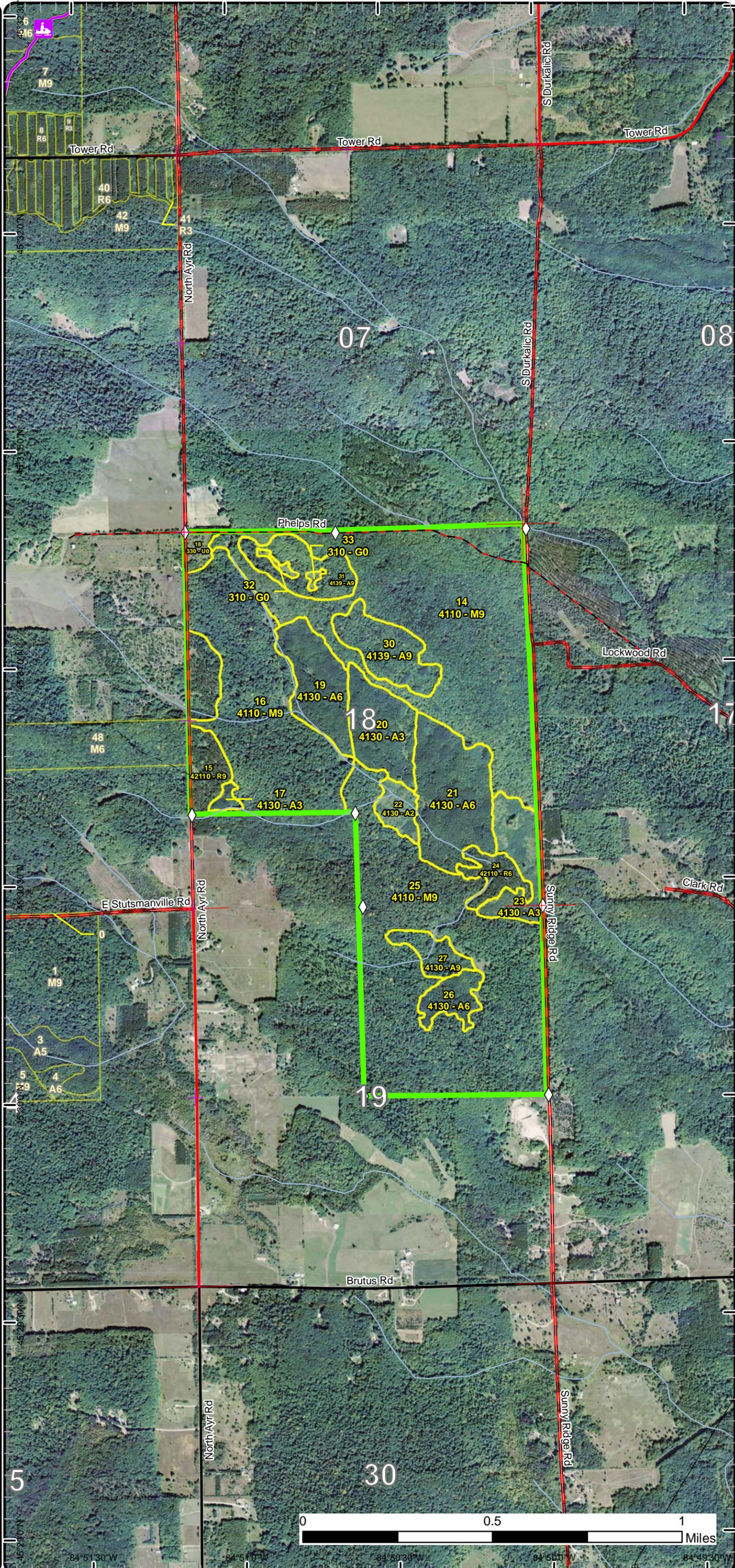
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Stand Boundary Map

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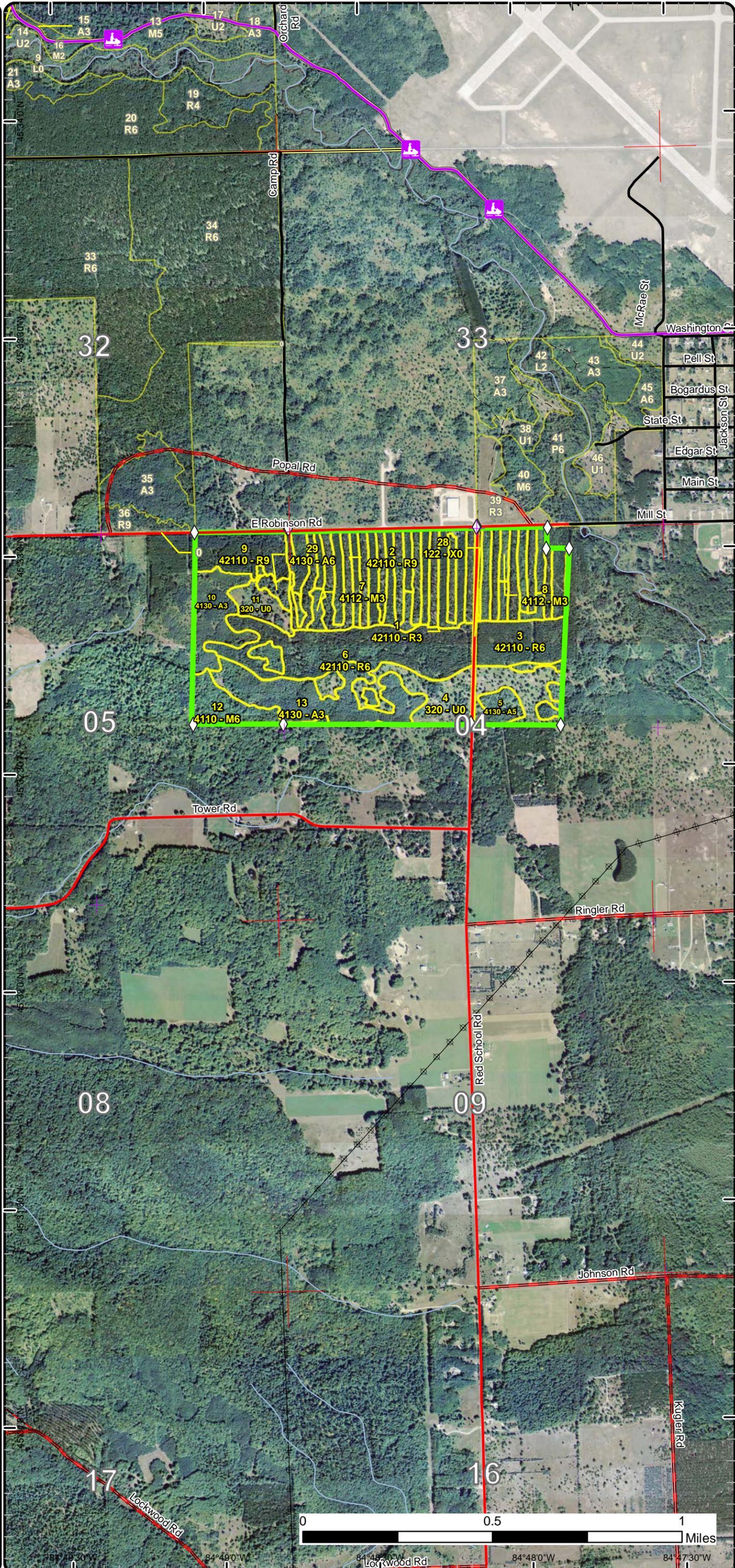
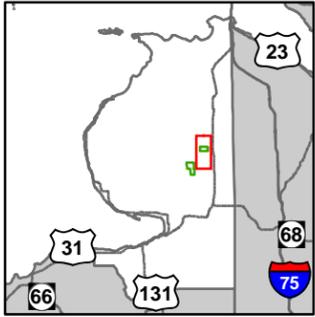
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84°51'30" W 84°51'0" W 84°50'30" W 84°50'0" W 84°49'30" W

Stand Boundary Map

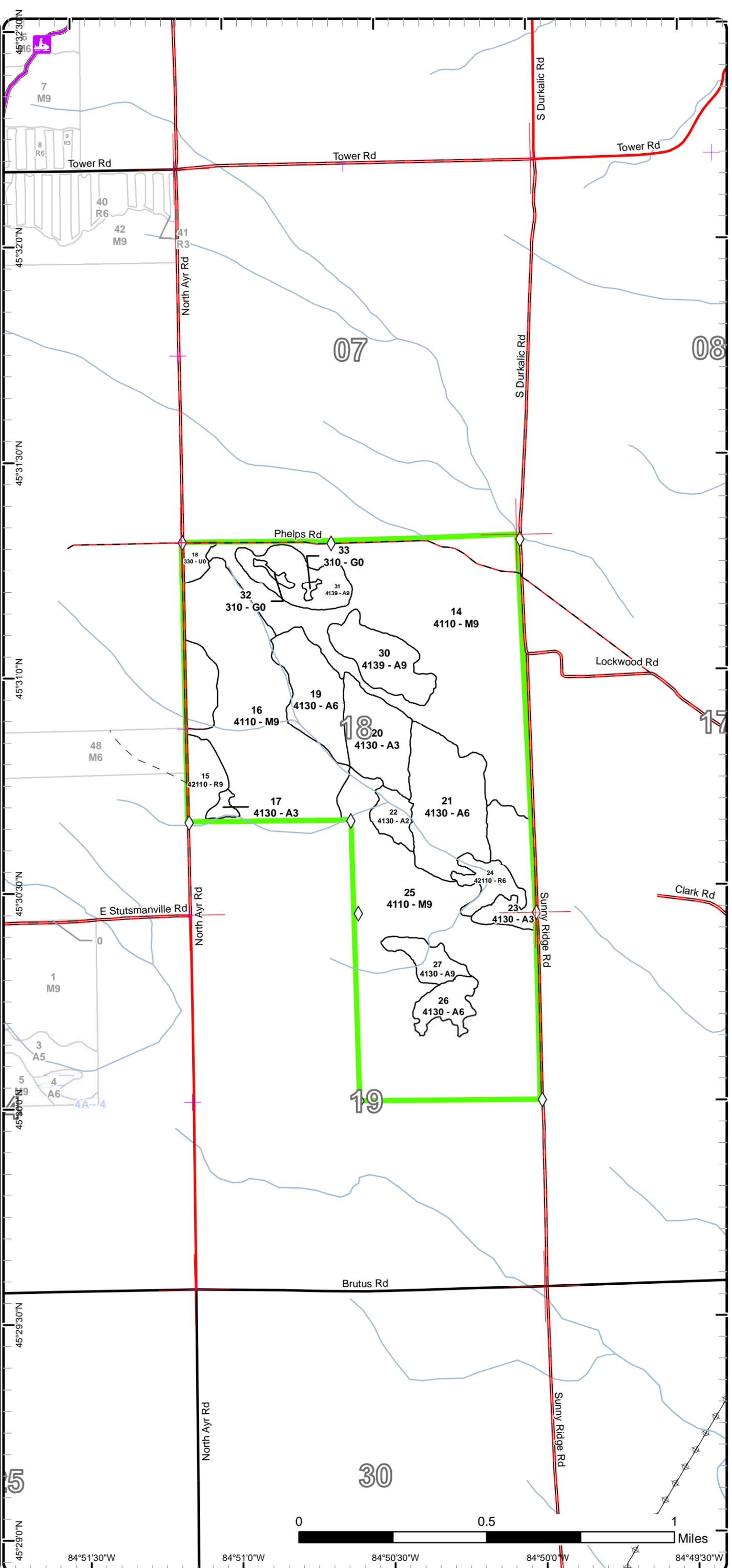
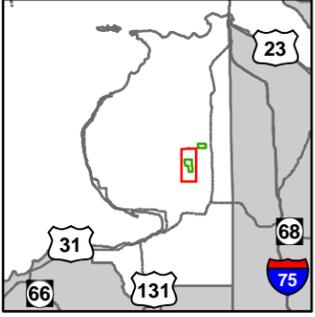
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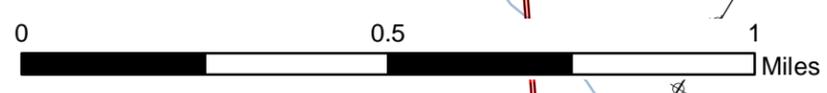
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Special Conservation Areas & Site Conditions Map

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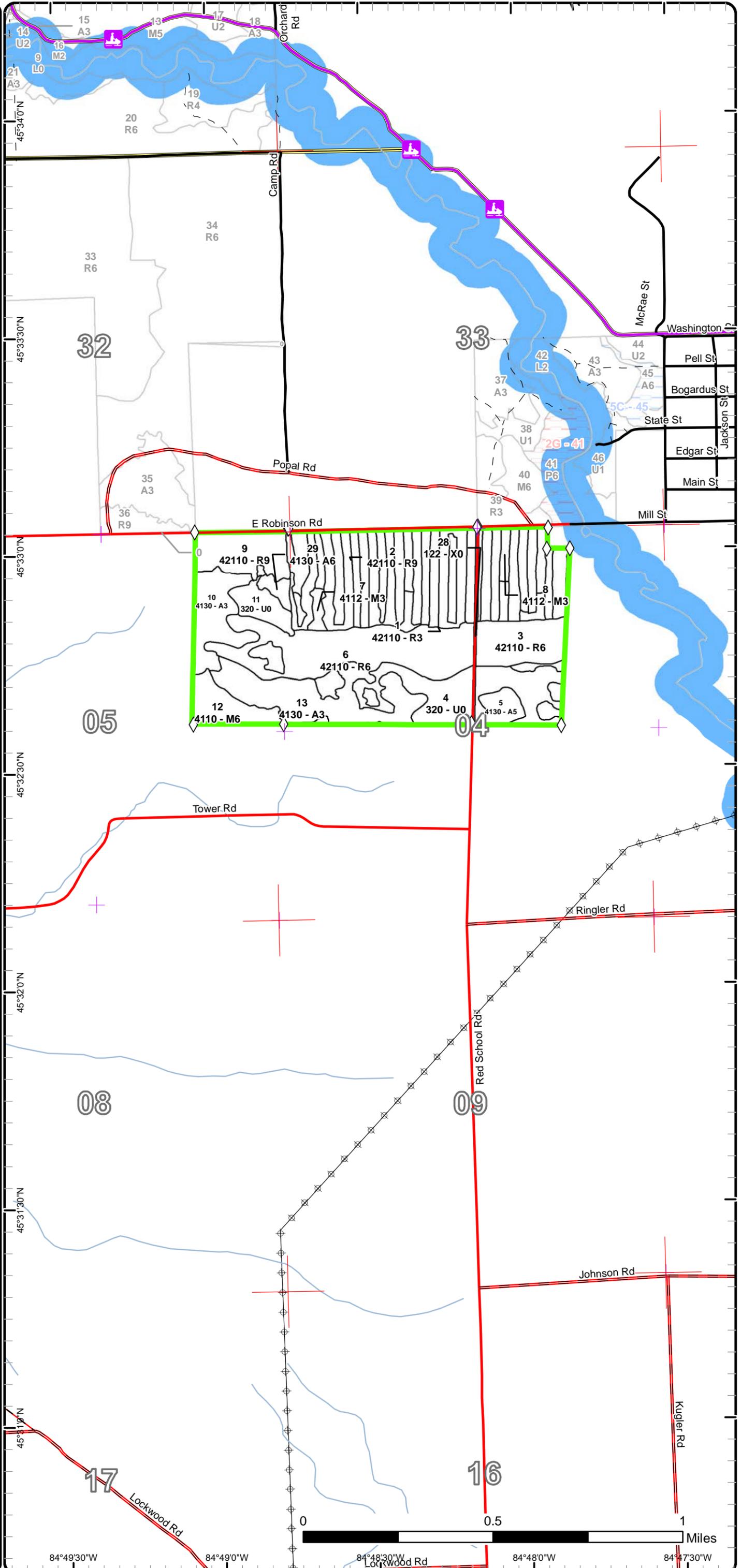
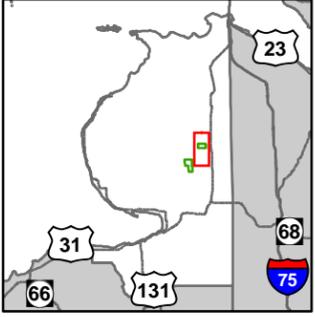
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- ▭ Stand Boundaries
- ▭ Special Conservation Areas
- Cold Water Streams



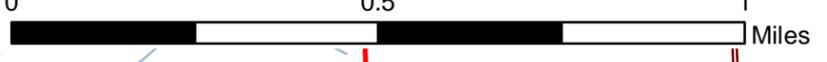
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- Stand Boundaries
- Special Conservation Areas
- Cold Water Streams
- High Priority Trout Stream Buffer



84°49'30"W 84°49'0"W 84°48'30"W 84°48'0"W 84°47'30"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	29	46	107	10	0	13	28	22	0	0	0	0	0	0	0	0	0	255
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	449	458
Red Pine	0	0	0	52	0	0	115	56	0	0	0	0	0	0	0	0	0	0	223
Upland Shrub	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	51	29	46	168	10	0	128	84	22	0	449	987							



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2017

Compartment 123

Total Compartment Acres: 986

Acres of Harvest

Commercial Harvest - 126
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 48

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	62	0	0	0	0	0	0	0	0	62
Red Pine	0	0	0	0	0	63	0	0	0	63
Total	62	0	0	0	0	63	0	0	0	126

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	126	0	0	0	0	0	0	0	48	174
Next Step	0	0	0	0	0	0	62	0	0	62
Total	126	0	0	0	0	0	62	0	48	236



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
4	52123004-NF	34.7	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal
Habitat Cut: Yes			Site Condition: None								
<u>Prescription</u> Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
5	52123005-Cut	9.8	4130 - Aspen	Poletimber Medium	52	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition: None								
<u>Prescription</u> CUT ALL TREES 2" AND LARGER DBH. NO RETENTION AREAS WILL BE LEFT DUE TO SMALL ACREAGE OF HARVEST AREA. NO											
<u>Specs:</u> SEASONAL OR TRAIL RESTRICTIONS ARE NEEDED. ALSO HARVEST STAND 29 WITH THIS STAND.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> A MIX OF ASPEN, NORTHERN HARDWOOD, AND SHRUBS WILL BE ACCEPTABLE.											
<u>Regen:</u>											
<u>Other</u> ADJACENT TO RED SCHOOL RD., PRIVATE RESIDENCE, AND NATURE CONSERVANCY PROPERTY. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
6	52123006-Cut	46.5	42110 - Planted Red Pine	Poletimber Well	53	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition: None								
<u>Prescription</u> HARVEST ALL MARKED RED PINE TREES. CONCENTRATE MARKING ON OVERSTOCKED AREAS, REMOVING SUPPRESSED TREES,											
<u>Specs:</u> AND LARGER DIAMETER, POORLY FORMED SAWTIMBER. POST-HARVEST RED PINE RESIDUAL BA WILL BE IN THE RANGE OF 100 - 120 SQ. FT. ANY HARDWOOD OR ASPEN TREES THAT BLOCK THE MOVEMENT OF HARVEST EQUIPMEMT MAY BE FELLED AND LEFT ON SITE. NO SEASONAL OR TRAIL RESTRICITIONS WILL EXIST FOR THIS TIMBER SALE. HARVEST WITH STAND 9.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> N.A.											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
9	52123009-Cut	17.0	42110 - Planted Red Pine	Sawtimber Well	53	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition: None								
<u>Prescription</u> MARK AND THIN RED PINE TO A POST-HARVEST RESIDUAL BA OF 120 SQ. FT. NO TRAIL RESTRICTIONS APPLY TO THIS STAND.											
<u>Specs:</u> CONCENTRATE MARKING ON POORLY FORMED SAWTIMBER TREES AND SUPPRESSED POLETIMBER.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> STAND 6 WILL ALSO BE TREATED AND SOLD WITH THIS STAND. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
11	52123011-NF	7.7	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal
Habitat Cut: Yes			Site Condition: None								
<u>Prescription</u> Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
18	52123018-NF	4.5	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Pruning	3204 - Mast Producing Shrub		Proposal
Habitat Cut: Yes			Site Condition: None								
<u>Prescription</u> Prune apple trees. Plant mast bearing shrubs as funding allows.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 5 /1 /2015											
27	52123027-Cut	8.7	4130 - Aspen	Sawtimber Well	60	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition: None								
<u>Prescription</u> Cut all trees 2" and larger at DBH except incidental hemlock, white pine, and juneberry. No unharvested retention islands will be left. Protect any seeps that are found within sale area.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of aspen and northern hardwood is acceptable regen.											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
29	52123029-Cut	2.9	4130 - Aspen	Poletimber Well	55	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition: None								
<u>Prescription</u> CUT ALL TREES 2" AND GREATER. NO RETENTION DUE TO SMALL STAND ACREAGE. DO NOT CUT JUNE BERRY. NO SEASONAL OR TRAIL RESTRICTIONS.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> A MIX OF ASPEN/NORTHERN HARDWOOD.											
<u>Regen:</u>											
<u>Other</u> HARVEST AND SELL WITH STAND 5. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
30	52123030-Cut	22.1	4139 - Aspen, Mixed Deciduous	Sawtimber Well	70	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No**Site Condition: None**

Prescription Cut all trees 2" and larger at DBH except any incidental hemlock, white pine, or junberry. No uncut retention islands will be left because of the
Specs: relatively small area to be harvested. Protect any seep areas during harvest.

Next Step
Treatments:

Acceptable A mix of aspen/northern hardwood is acceptable regen.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

31	52123031-Cut	18.7	4139 - Aspen, Mixed Deciduous	Sawtimber Well	60	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition: None**

Prescription Cut all trees 2" and larger at DBH except incidental hemlock and white pine. No un-harvested retention islands will be needed due to the
Specs: relatively small acreage prescribed for harvest. Protect any seep areas within the harvest areas.

Next Step
Treatments:

Acceptable A mix of aspen/n. hardwood will be acceptable regen.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

32	52123032-NF	1.3	310 - Herbaceous Openland	Nonstocked	Unspec ified	NonForestMgt	Other - Specify		310 - Herbaceous Openland		Proposal
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Habitat Cut: Yes**Site Condition: None**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 5 /1 /2015

**Total Treatment
 Acreage Proposed: 173.7**

Mgt. Unit

Compartment: #Type!

Year of Entry:



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
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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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	Sapling Well	51.7	25	81-110	Strips of young red pine from 1990 planting, mostly saplings with lesser amounts of small, 1 stick poletimber. Areas of sparse growth from poor seedling survival.
2	42110 - Planted Red Pine	Sawtimber Well	55.7	63	81-110	ROWS OF RED PINE SAWTIMBER, MARKED AND THINNED TWICE IN THE LAST 20 YEARS. LOWER BA AT PRESENT. POSSIBLE FINAL HARVEST IN 20 YEARS.
3	42110 - Planted Red Pine	Poletimber Well	17.6	53	141-170	RED PINE STAND, MOSTLY POLE TIMBER, ROW-THINNED AROUND 1999-2000, FIRST MARKED THINNING COMPLETED IN NOVEMBER 2010. IN TRANSITION FROM POLETIMBER TO SAWLOGS. CURRENT BA IS 150. PRESCRIBE A MARKED THINNING NEXT Y.O.E.
5	4130 - Aspen	Poletimber Medium	9.8	52	51-80	SEVERAL SMALL MIXED ASPEN POLETIMBER CLONES TOTALLING ABOUT 10 ACRES. QUAKING ASPEN STARTING TO DECLINE. HARVEST ALL CLONES THIS ENTRY YEAR. ADJACENT TO RED SCHOOL RD.
6	42110 - Planted Red Pine	Poletimber Well	46.5	53	141-170	PLANTED RED PINE WITH AREAS OF VARIABLE STOCKING DENSITY AND DIAMETERS. STAND WAS ROW-THINNED IN 1997. IRREGULAR PLANTED ROWS AROUND HARDWOOD/ASPEN CLUMPS. POSSIBLE HIGH SEEDLING MORTALITY ALSO. PRESCRIBE A MARKED THINNING THIS ENTRY YEAR.
7	4112 - Maple, Beech, Cherry Association	Sapling Well	4.9	25	81-110	A MIX OF NORTHERN HARDWOOD/ASPEN REGEN. STAND WAS A PART OF A RED PINE SEEDLING STRIP THAT WAS PLANTED IN 1990 BUT SUFFERED HEAVY MORTALITY.
8	4112 - Maple, Beech, Cherry Association	Sapling Well	3.8	25	81-110	MIXED HARDWOOD/ASPEN REGEN. THIS STAND WAS PART OF A 1990 RED PINE PLANTING, BUT THIS AREA SUFFERED HIGH SEEDLING MORTALITY.
9	42110 - Planted Red Pine	Sawtimber Well	17.0	53	141-170	RED PINE PLANTATION, MOSTLY SAWTIMBER IN TRANSITION FROM POLETIMBER. VARIABLE STOCKING DENSITY WITHIN STAND. MANY SAWLOG TREES ARE SOMEWHAT LIMBY WITH LESSER FORM QUALITY. STAND WAS ROW-THINNED IN 1997. PRESCRIBE A MARKED THINNING THIS ENTRY YEAR. STAND 6 TO THE EAST WILL ALSO BE MARKED AND SOLD WITH STAND 9. ADJACENT TO ROBINSON RD.
10	4130 - Aspen	Sapling Well	17.9	16	Immature	BIGTOOTH ASPEN REGEN FROM 1999 FINAL HARVEST. POSSIBLE FINAL HARVEST IN ABOUT 40 YEARS.
12	4110 - Sugar Maple Association	Poletimber Well	11.9	85	81-110	SMALL HARDWOOD STAND, ADJACENT TO PRIVATE ON SOUTH AND WEST SIDES, A3 TO NORTH AND EAST. LOWER BASAL AREA PRESENTLY (97 SQ. FT.). POSSIBLE TREATMENT IN 10 -20 YEARS. NOT GREAT QUALITY. SCATTERED BLACK CHERRY, BEECH, AND RED MAPLE ALSO.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	4130 - Aspen	Sapling Well	36.1	28	Immature	FAIRLY GOOD MIXED ASPEN/HARDWOOD REGEN IN TRANSITION FROM SAPS TO YOUNG POLETIMBER. HARVESTED IN 1987. CONTINUE TO MANAGE FOR ASPEN. FINAL HARVEST IN ABOUT 30 YEARS.
14	4110 - Sugar Maple Association	Sawtimber Well	168.9	80	81-110	N. HARDWOOD STAND LOCATED ON MOSTLY FLAT GROUND WITH A FEW VALLEYS AND RIDGES. STAND IS IN TRANSITION FROM POLETIMBER INTO BOLTWOOD AND SMALL SAWLOG TREES. LOWER BA AT PRESENT (99(SQ. FT.) POSSIBLE TREATMENT IN 10 - 20 YEARS. ASPEN SCATTERED IN SMALL AMOUNTS THROUGHOUT STAND.
15	42110 - Planted Red Pine	Sawtimber Well	23.6	53	111-140	HILLY RED PINE STAND, IN TRANSITION FROM POLETIMBER INTO SAWTIMBER. 1RST MARKED THINNING OCCURRED IN 1998. 2ND MARKED THINNING WAS COMPLETED 5/2010. LOWER BA AT PRESENT. POSSIBLE TREATMENT AGAIN IN 20 YEARS.
16	4110 - Sugar Maple Association	Sawtimber Well	98.7	91	51-80	HIGH QUALITY NORTHERN HARDWOOD, MOSTLY SUGAR MAPLE SAWTIMBER. SELECTION HARVEST COMPLETED IN 1999. LOWER BA PRESENTLY (80). POSSIBLE TREATMENT IN 20 YEARS.
17	4130 - Aspen	Sapling Well	2.4	16	Immature	SMALL STAND OF BIGTOOTH ASPEN REGEN, HARVESTED WHEN LARGE ADJACENT HARDWOOD STAND WAS THINNED IN 1999.
19	4130 - Aspen	Poletimber Well	26.5	28	51-80	HIGH QUALITY MIXED ASPEN/N. HARDWOOD REGEN FROM 1987-1988 FINAL HARVEST. STAND IS IN TRANSITION FROM SAPLINGS TO SMALL POLETIMBER. CONTINUE TO MANAGE THIS STAND FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 30 YEARS.
20	4130 - Aspen	Sapling Well	25.4	17	Immature	HIGH MIXED ASPEN REGEN FROM 1998 FINAL HARVEST. CONTINUE TO MANAGE THIS STAND FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 40 YEARS.
21	4130 - Aspen	Poletimber Well	44.1	28	51-80	HIGH QUALITY MIXED ASPEN REGEN FROM 1987-1988 FINAL HARVEST. CONTINUE TO MANAGE THIS STAND FOR ASPEN. FINAL HARVEST IN ABOUT 30 YEARS.
22	4130 - Aspen	Sapling Medium	8.3	7	Immature	QUAKING ASPEN REGEN WITH LESSER AMOUNTS OF SUGAR MAPLE, BIGTOOTH ASPEN, BEECH, AND PIN CHERRY. REGEN FROM 2008 FINAL HARVEST. AREAS OF GRASSY OPENINGS AND SPARSE REGEN PRESENT. GOOD WILDLIFE HABITAT. CONTINUE TO MANAGE FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 50 YEARS.
23	4130 - Aspen	Sapling Well	20.5	7	Immature	MIXED ASPEN/N. HARDWOOD REGEN FROM 2008 FINAL HARVEST. FAIRLY GOOD STOCKING DENSITY. CONTINUE TO MANAGE THIS STAND FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 50 YEARS.

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Gaylord Mgt. Unit

Report 8 – Forested Stands

Compartment: 123
Year of Entry: 2017

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	42110 - Planted Red Pine	Poletimber Well	10.1	53	111-140	SMALL RED PINE STAND IN TRANSITION FROM POLETIMBER INTO SMALL SAWTIMBER. ROWS ARE IRREGULAR AND SPARSE IN SOME AREAS. FIRST MARKED THINNING WAS COMPLETED IN 5/2010. THIN AGAIN IN 10 - 20 YEARS.
25	4110 - Sugar Maple Association	Sawtimber Well	169.6	80	51-80	MIXED NORTHERN HARDWOOD STAND. RECEIVED A SELECTION HARVEST IN 2008-2009. SCATTERED SMALL CLONES OF B.T. ASPEN FOUND THROUGHOUT STAND. MOSTLY SMALL SAWLOGS. LOWER BA AT PRESENT (77). POSSIBLE TREATMENT IN 20 - 30 YEARS.
26	4130 - Aspen	Poletimber Well	10.4	37	51-80	MIXED ASPEN STAND, IN TRANSITION FROM SAPS TO POLETIMBER, FROM 1978 FINAL HARVEST. SEVERAL SEEPS EXIST WITHIN THE STAND, WHICH HAS CEDAR PRESENT. CONTINUE TO MANAGE THIS STAND AS AN ASPEN COVERTYPE. FINAL HARVEST IN ABOUT 20 YEARS.
27	4130 - Aspen	Sawtimber Well	9.3	60	51-80	Mature and over-mature mixed aspen saw timber and mixed northern hardwood pole timber/saw timber. Small stand of mixed aspen adjacent to the SE. Manage this stand for aspen. Northern hardwood surrounds this stand on all sides.
29	4130 - Aspen	Poletimber Well	2.9	55	51-80	SMALL STAND OF MIXED ASPEN/N. HARDWOOD. FINAL HARVEST THIS ENTRY YEAR.
30	4139 - Aspen, Mixed Deciduous	Sawtimber Well	22.1	70	111-140	STAND CONSISTS OF A MIX OF BIGTOOTH/QUAKING ASPEN SAWTIMBER AND MIXED NORTHERN HARDWOOD POLETIMBER/SAWTIMBER. MANAGE STAND FOR ASPEN. FINAL HARVEST STAND THIS YOE. LEAVE ONE UNHARVESTED RETENTION ISLAND. DO NOT CUT ANY INCIDENTAL HEMLOCK OR WHITE PINE. NO RECREATIONAL TRAILS WILL BE IMPACTED BY THIS TREATMENT.
31	4139 - Aspen, Mixed Deciduous	Sawtimber Well	18.7	60	81-110	STAND CONSISTS OF A MIX OF ASPEN/NORTHERN HARDWOOD. MANAGE FOR ASPEN, FINAL HARVEST THIS YOE.



Stand	Cover Type	Acres	Managed Site	General Comments:
4	320 - Upland Shrub	34.7	Yes	SCATTERED SMALL CLUMPS OF CHERRY, BASSWOOD, MAPLE AND A FEW SMALL ASPEN CLONES, WITH THE MAJORITY OF THE STAND BEING IN UPLAND BRUSH. ADJACENT TO RED SCHOOL RD.
11	320 - Upland Shrub	7.7	Yes	SCATTERED SMALL CLUMPS OF CHERRY AND BASSWOOD WITH THE MAJORITY OF THE STAND BEING IN UPLAND BRUSH.
18	330 - Low-Density Trees	4.5	No	GRASSY OPENING WITH SCATTERED, APPLE, SUGAR MAPLE, RED PINE, CHERRY AND SHRUBS. PARTIALLY ADJACENT TO N. AYR RD.
28	122 - Road/Parking Lot	2.4	No	RED SCHOOL RD.
32	310 - Herbaceous Openland	1.3	No	GRASSY OPENING
33	310 - Herbaceous Openland	0.9	No	GRASSY OPENING