



# Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52121

Entry Year 2018

Acreage: 1,252

County Emmet

Management Area: Emmet Moraines

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**Revision Date:** 2016-05-13

**Stand Examiner:** Donald Stacks

**Legal Description:**

T37N R04W Sections 7, 8, and 18.

**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:**

Blue Lakes sands on rolling terrain in the west half of the compartment, with more level ground in the east half. Carbondale and Tawas mucks are found along the Van Creek drainage.

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

Private property, made up of residences and a few small family operated farms, exist on all sides of the compartment. State ownership within the compartment boundary is fairly contiguous.

**Unique Natural Features:**

None listed.

**Archeological, Historical, and Cultural Features:**

None listed.

**Special Management Designations or Considerations:**

None.

**Watershed and Fisheries Considerations:**

Van Creek, a tributary to the E Br Maple River (a designated trout stream) flows through this compartment. The headwaters of Cold Creek, a designated trout stream and tributary to the West Branch Maple River, are in this compartment. No management activities are planned for this compartment, so Fisheries has no comments at this time.

**Wildlife Habitat Considerations:**

Featured species in this compartment include deer, turkey, and some grouse. Maintain openings for wildlife.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of coarse-textured till. Drumlins are present in the area. The glacial drift thickness varies between 400 and 600 feet. The Devonian Detroit River Group subcrops below the glacial drift. The Detroit River is mined for salt in other areas of the state. Several sand/gravel pits are located to the east, around Levering. Sand and gravel potential appears to be good in places but is variable. The nearest oil and gas production, the Antrim Shale gas play, is located 30 miles to the south. There is no known oil and gas potential in the area.

**Vehicle Access:**

Access can be gained into the compartment from the south off Van Rd., a paved county road and Cook Rd., a seasonal county road. From the west off Pleasantview Rd., using Bodzick Rd., which is a seasonal county road. Access into the compartment from the north and east requires crossing privately owned property.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

No designated trails exist within the compartment.

**Fire Protection:**

The Pellston VFD and Pellston MDNR Field Office are located about 6 miles to the south.

**Additional Compartment Information:**

No harvest treatments are scheduled for Compartment 121 at this time.

**The following reports from the Inventory are attached:**

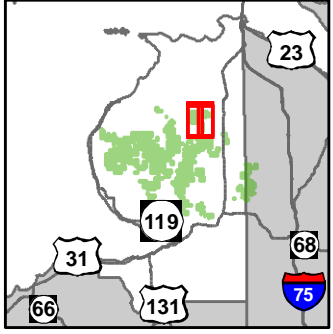
**Total Acres by Cover Type and Age Class**  
**Cover Type by Harvest Method**  
**Proposed Treatments – No Limiting Factors**  
**Proposed Treatments – With Limiting Factors**  
**Stand Details (Forested and Nonforested)**  
**Dedicated and Proposed Special Conservation Areas**  
**Site Condition Details**

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

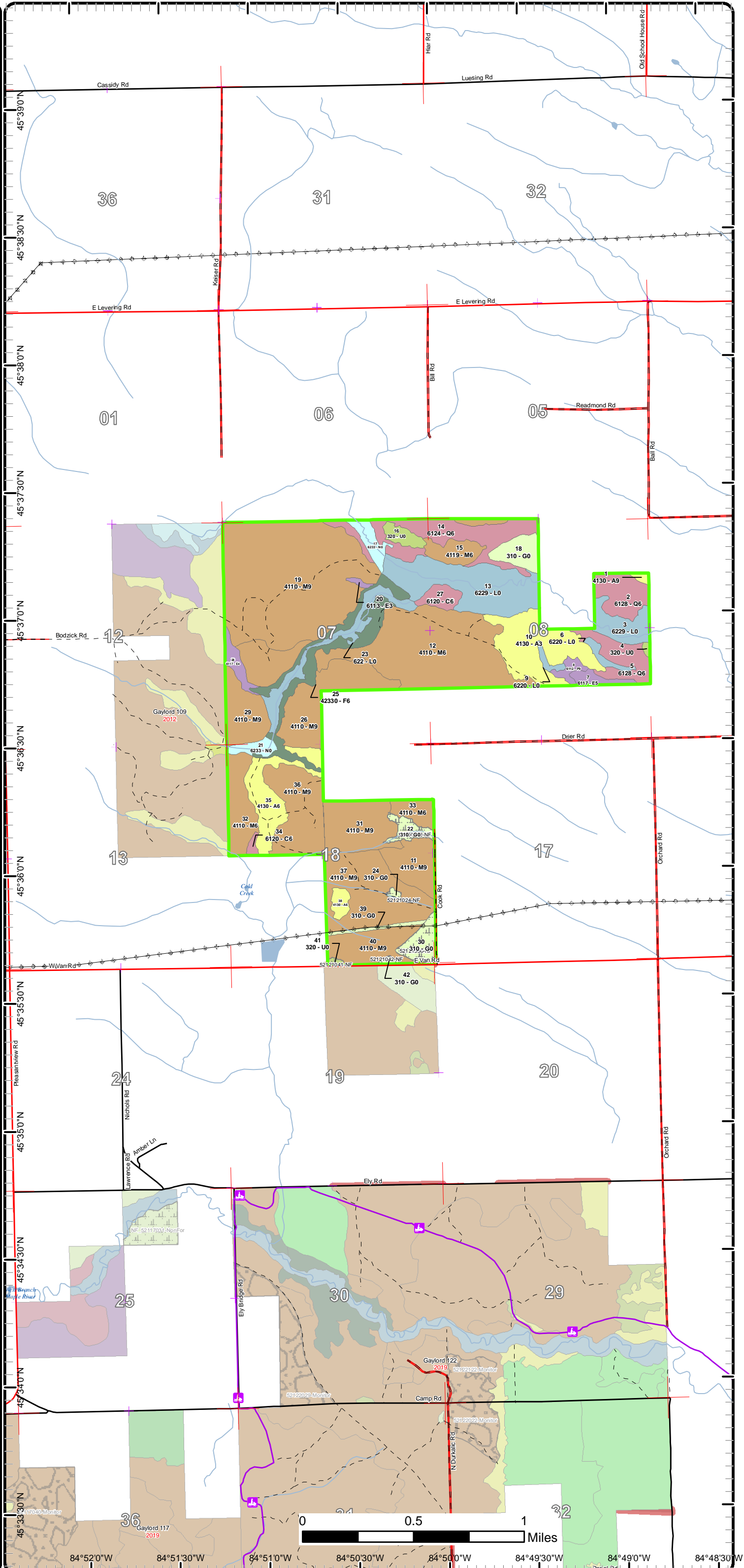
**Base feature information, stand boundaries, cover types, and numbers**  
**Proposed treatments**  
**Site condition boundaries**  
**Details on the road access system**

# Cover Type & Treatments Map

Compartment: 121  
 T37N R04W Sections 7, 8, 18  
 County: Emmet  
 Unit: Gaylord  
 Mgmt Area: Emmet Moraines  
 YOE: 2018  
 Acres: 1251 GIS Calculated  
 Examiner: Donald Stacks  
 Map Revised: 8/29/2016  
 Map Phase: Post-Review

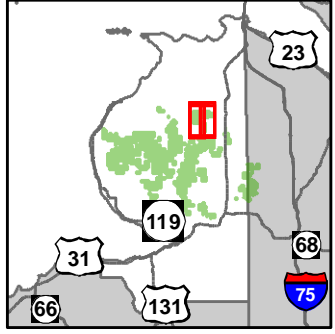


- Miris Corners
- + Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- County Paved Roads
- Paved Roads
- County Gravel Roads
- - Poor Dirt Roads
- - County Poor Dirt Roads
- Rivers
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

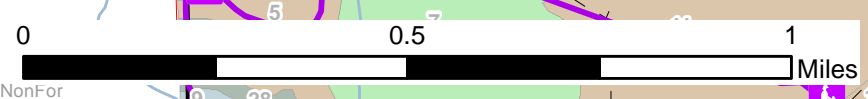
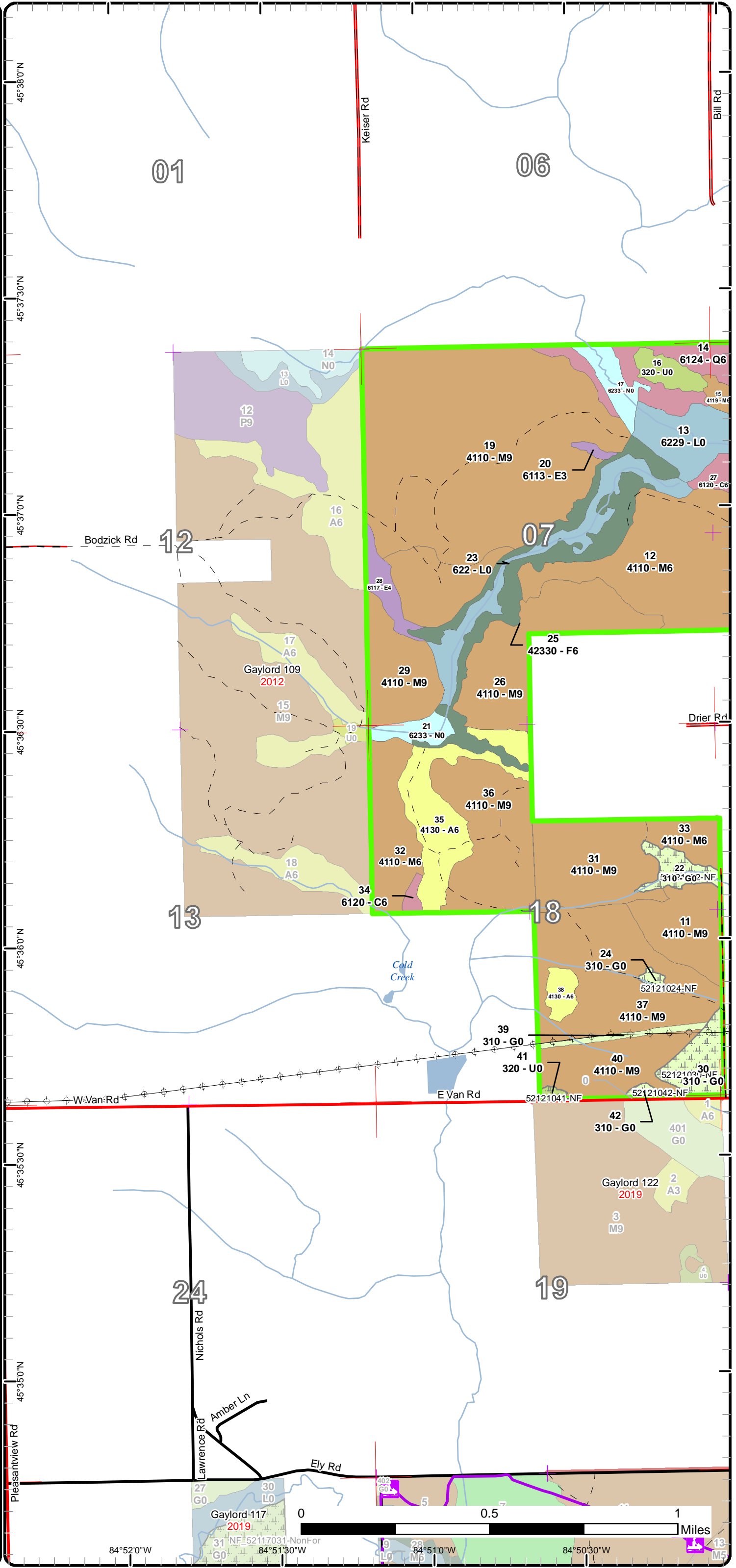


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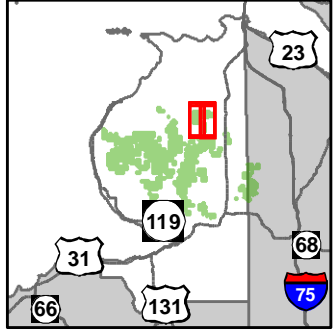
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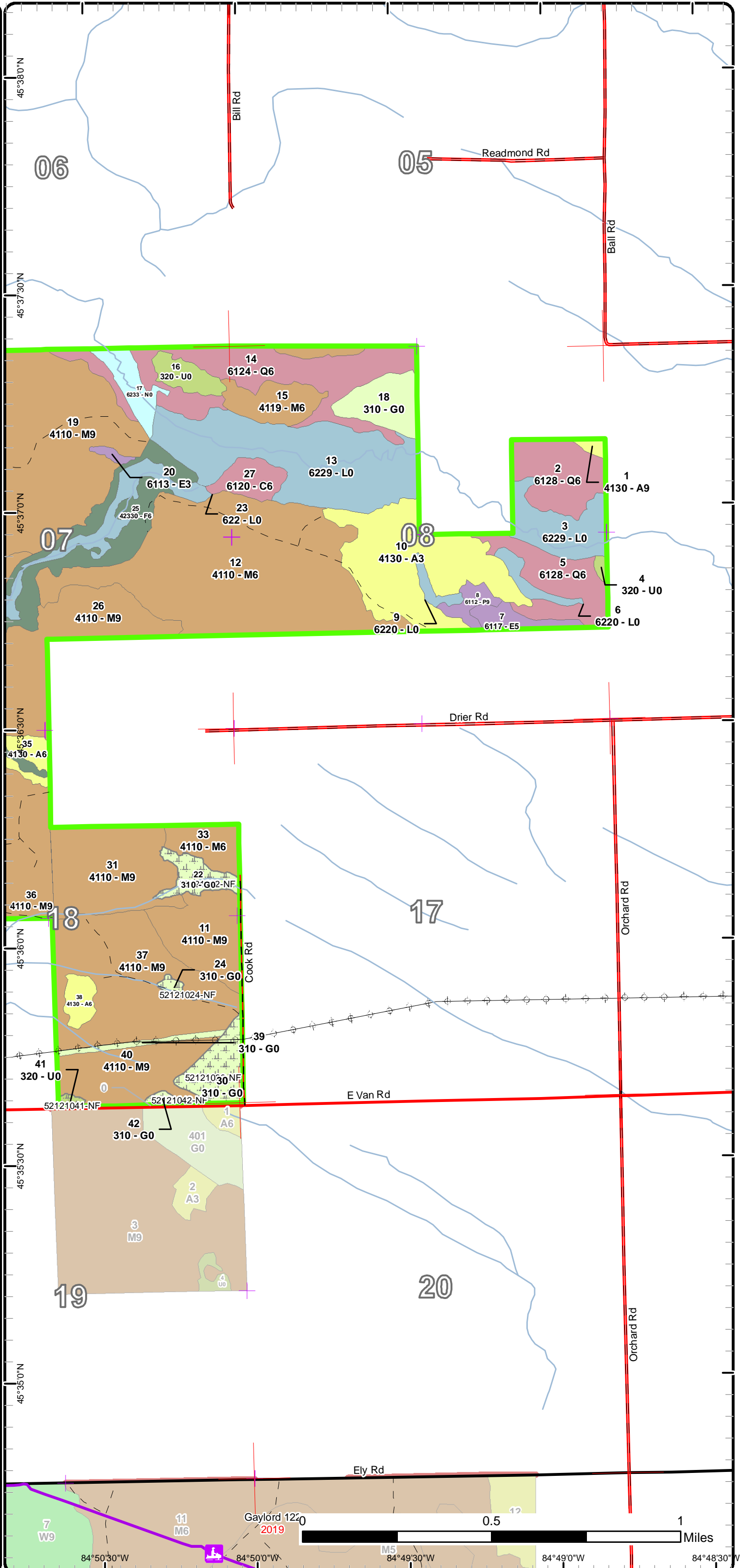
84°52'0"W      84°51'30"W      84°51'0"W      84°50'30"W

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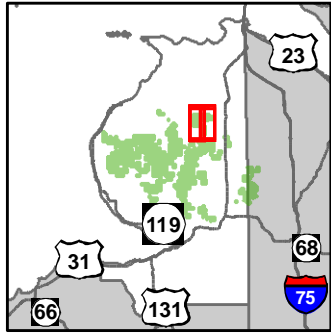
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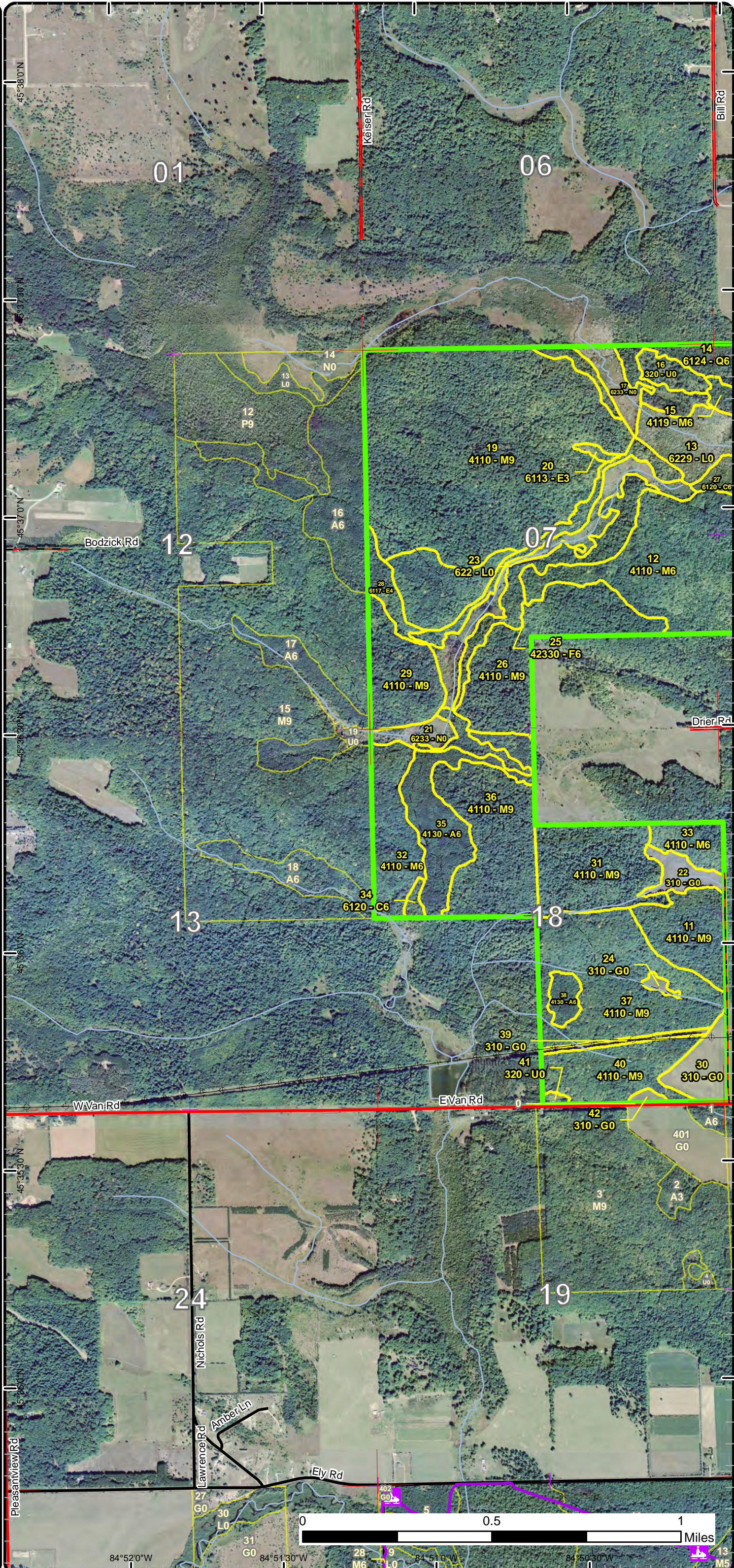
84°50'30"W  
 84°50'0"W  
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 84°48'30"W

# Stand Boundary Map

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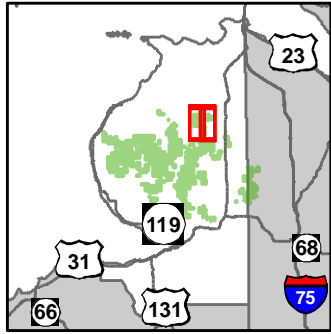


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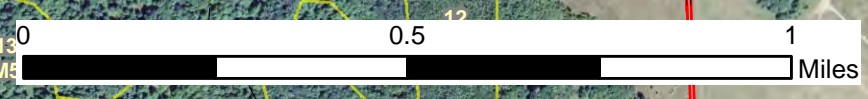
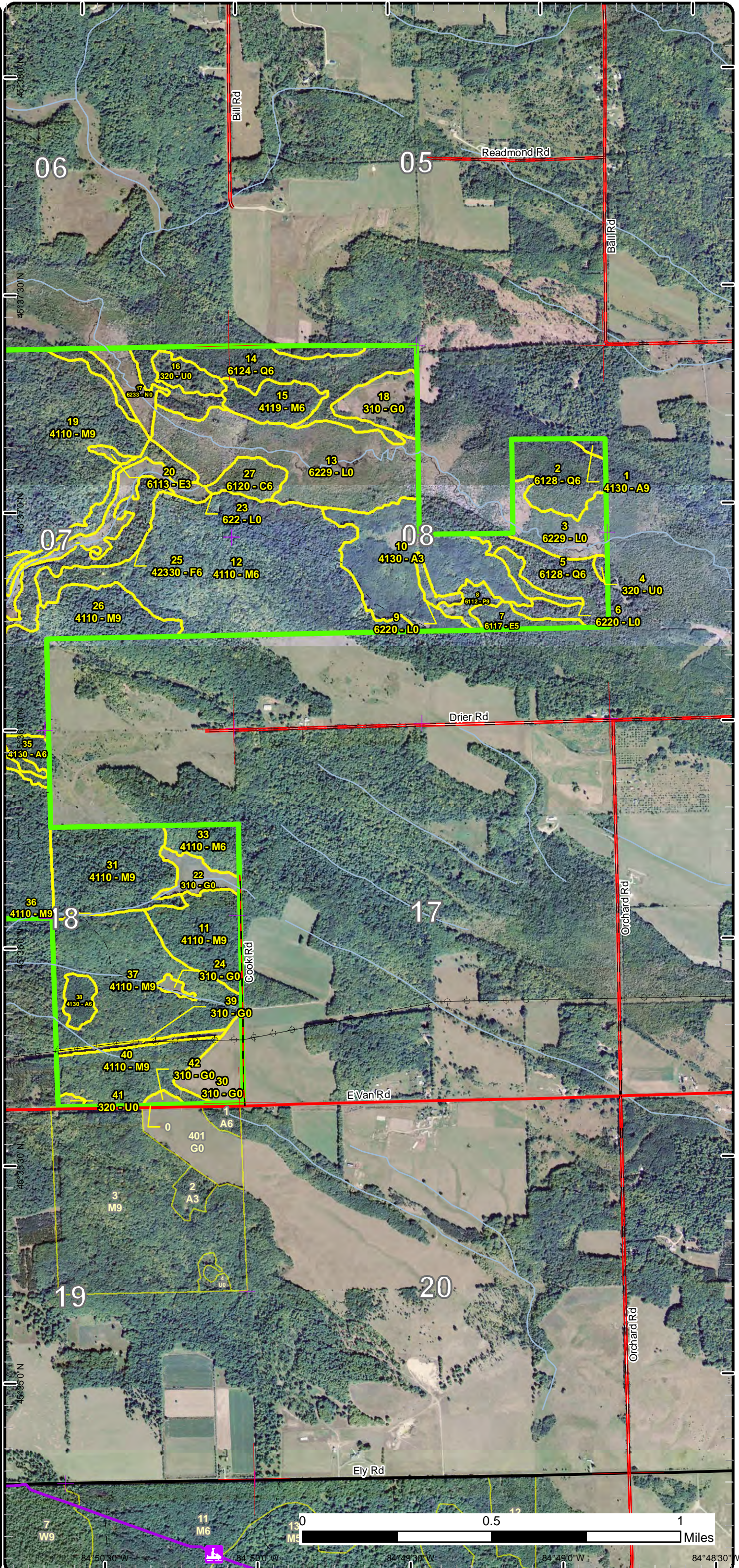


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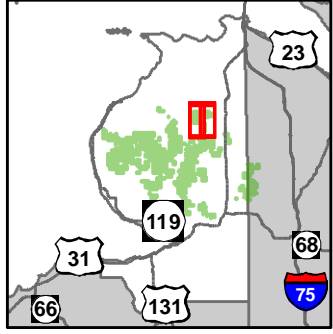
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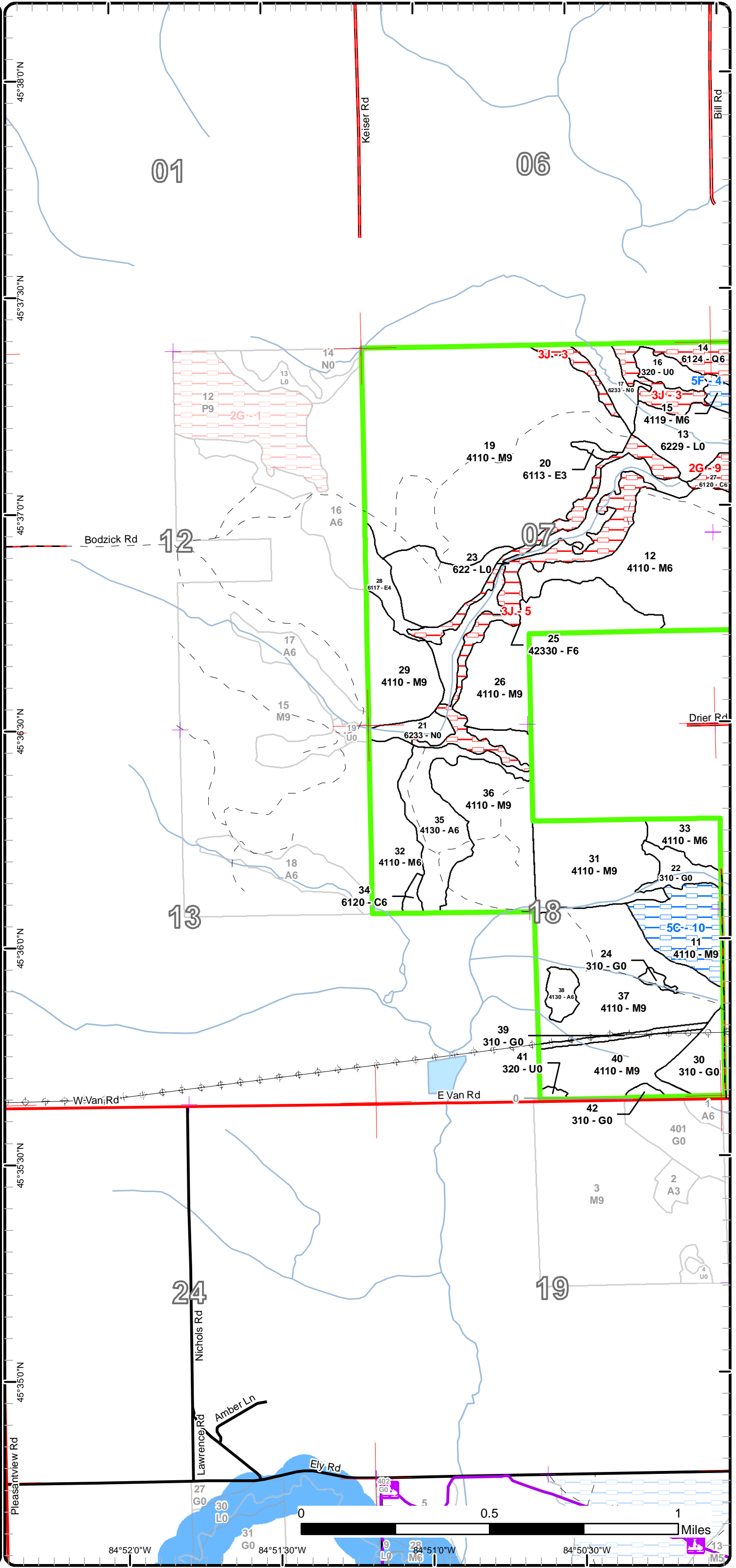
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# Special Conservation Areas & Site Conditions Map

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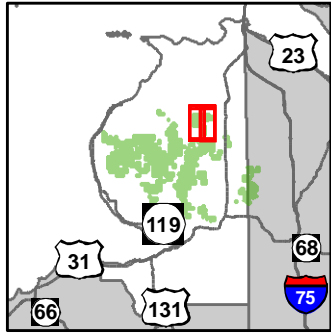
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- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



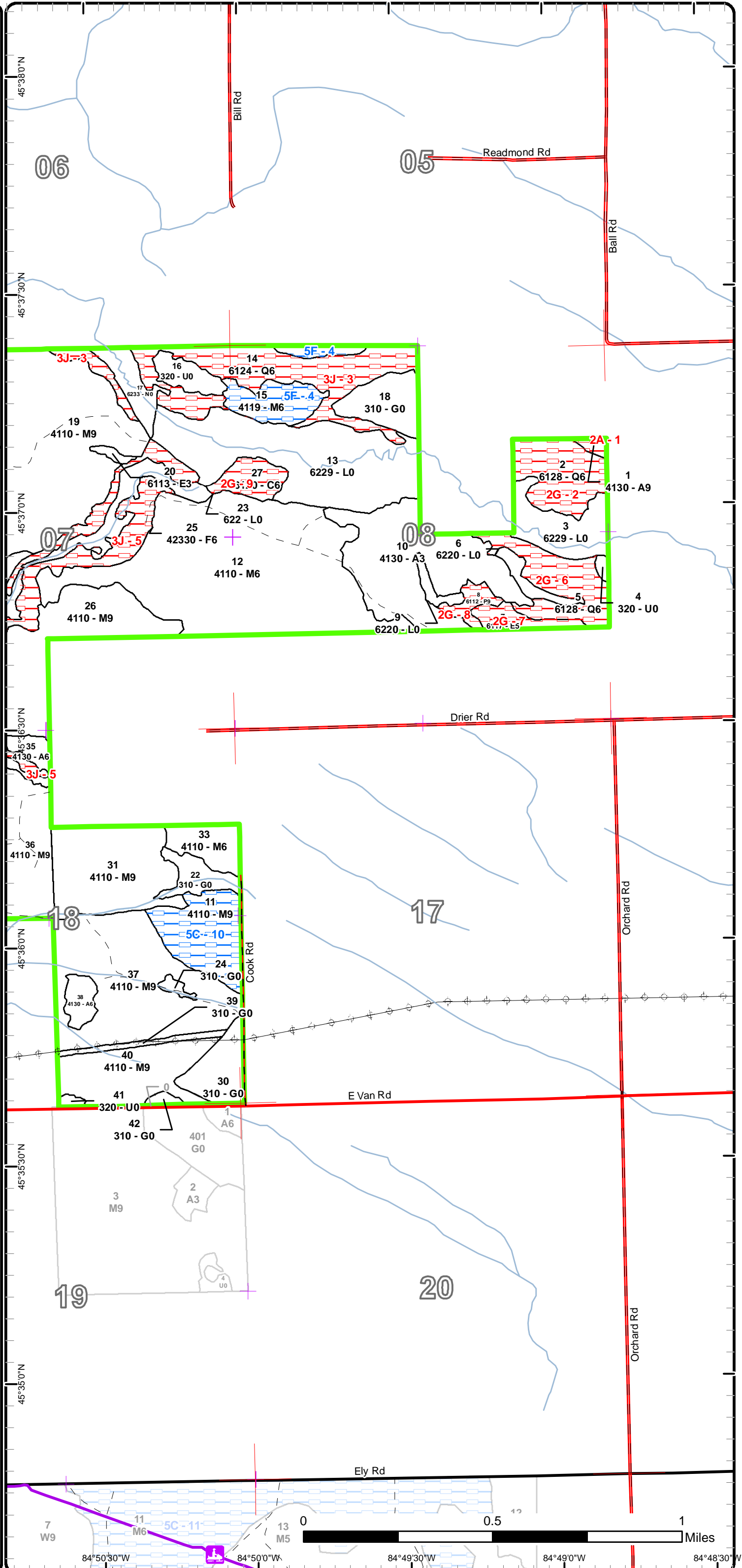


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- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams



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	0	60	0	43	0	0	0	0	2	0	0	0	0	0	0	0	0	105
Cedar	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	10	12
Herbaceous Openland	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	50	104
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Lowland Shrub	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
Marsh	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	751	751
Upland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Spruce/Fir	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	48
<b>Total</b>	<b>209</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>43</b>	<b>48</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>830</b>	<b>1253</b>



# Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2018

Compartment 121

Total Compartment Acres: 1,252

## Acres of Harvest

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

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	0	0	0	0	0	0	0	0	27	27
Total	0	0	0	0	0	0	0	0	27	27



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
22	52121022-NF	9.1	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

24	52121024-NF	1.7	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

30	52121030-NF	15.2	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

41	52121041-NF	1.3	320 - Upland Shrub Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
42 52121042-NF	1.7	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No**

**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment Acreage Proposed: 29.0**

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Donald Stacks : Examiner

Compartment: 121  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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### Dominant Site Conditions

5C    5F    2A    2G    3J

Total	Acres	Acres Avail	Acres	Dominant Site Conditions	5C	5F	2A	2G	3J
105	103	0	2	Aspen			2		
12	2	0	10	Cedar				10	
49	49	0	0	Herbaceous Openland					
6	0	0	6	Lowland Aspen/Balsam Poplar				6	
104	0	0	104	Lowland Conifers				50	54
18	11	0	8	Lowland Deciduous				8	
131	130	0	1	Lowland Shrub				0	0
18	18	0	0	Marsh					0
751	704	47	0	Northern Hardwood	28	19			0
11	11	0	0	Upland Shrub					
48	0	0	48	Upland Spruce/Fir					48
1,252	1,028	47	178	Total Forested Acres	28	19	2	73	102
	82%	4%	14%	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
1	Unavailable	<b>2A: Adjacent landowner denied access</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Donald Stacks : Examiner

Compartment: 121  
Year of Entry: 2018

3	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	54	2B: Unknown if access through adjacent landowner(s) is possible	5F: Evaluated for Forest Health Considerations	2G: Too wet (sensitive soils, does not include access issues)	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	19	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	48	5F: Evaluated for Forest Health Considerations	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	25	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	8	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Donald Stacks : Examiner

Compartment: 121  
Year of Entry: 2018

8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – 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 6 – 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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Sawtimber Well	1.9	87	81-110	SMALL ACREAGE. MATURE AND OVERMATURE ASPEN ON SIDE HILL ADJACENT TO PRIVATE PROPERTY. NO LEGAL ACCESS. ASPEN WILL FALL OUT OF STAND AND CONVERT TO N. HARDWOOD AND BALSAM FIR.
2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	24.9	90	51-80	SMALL SWAMP CONIFER STAND ADJACENT TO VAN CREEK FLOODPLAIN. NO LEGAL ACCESS. TOO WET TO HARVEST. FACTOR LIMIT. PROVIDES SOME THERMAL COVER. NO TREATMENT.
5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	25.1	87	81-110	SWAMP CONIFERS WITH OVERMATURE ASPEN OVERSTORY. GOOD THERMAL COVER. ADJACENT TO VAN CREEK. ACCESSIBLE ONLY THROUGH PRIVATE PROPERTY. TOO WET TO HARVEST ALSO. FACTOR LIMIT.
7	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.6	71	1-50	LESSER STOCKED SWAMP HARDWOODS ON POORLY - DRAINED SOIL. ACCESSIBLE THROUGH PRIVATE PROPERTY ONLY. TOO WET TO HARVEST. STAND HAS A LOT OF DEAD BLACK ASH. HEAVY E TYPE UNDERSTORY IN PLACES. FACTOR LIMIT.
8	6112 - Lowland Aspen	Sawtimber Well	5.6	61	1-50	SMALL STAND SWAMP ASPEN ON VERY WET, POORLY DRAINED SOIL. STAND WAS NOT INCLUDED WITH ADJACENT ASPEN HARVEST IN 2003 BECAUSE OF THIS STANDING WATER. ACCESSIBLE ONLY THROUGH PRIVATE PROPERTY. WILL CONVERT TO SWAMP CONIFERS.
10	4130 - Aspen	Sapling Well	59.7	14	Immature	GOOD QUALITY MIXED ASPEN/NORTHERN HARDWOOD REGEN FROM 2003 FINAL HARVEST. ACCESS IS GAINED THROUGH PRIVATE PROPERTY ONLY. CONTINUE TO MANAGE STAND FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 40 YEARS.
11	4110 - Sugar Maple Association	Sawtimber Well	28.1	91	111-140	This mixed northern hardwood stand, made up of mostly sugar maple sawtimber, is part of an 80 acre parcel that was acquired from Emmet County in 2008. A harvest was done sometime in the last 15 years or so. Quality is fairly good throughout the stand. BA is about 113 sq. ft. presently. Possible selection harvest next YOY.
12	4110 - Sugar Maple Association	Poletimber Well	161.8	81	81-110	MIXED N. HARDWOOD POLETIMBER WITH LESSER AMOUNTS OF SAWLOG TREES PRESENT. MOSTLY SUGAR MAPLE AND BASSWOOD. SLIGHTLY LOWER BA PRESENTLY (103). HEAVY, ADVANCED HARDWOOD REGEN IN PLACES. SCATTERED WHITE ASH, YELLOW BIRCH, RED MAPLE, AND BTA ARE FOUND THROUGHOUT THE STAND. MANY SEEPS FOUND THROUGHOUT THE STAND. BEST ACCESS INTO THE STAND IS THROUGH PRIVATE PROPERTY LOCATED TO THE SOUTHEAST. POSSIBLE TREATMENT NEXT YOY.
14	6124 - Lowland Spruce- Fir	Poletimber Well	54.2	82	51-80	SWAMP CONIFER STAND. A FEW AREAS OF CEDAR CONCENTRATION. STAND PROVIDES DECENT WINTER THERMAL COVER FOR WILDLIFE. 1/14/2016. Stand was not prescribed for SBW salvage because of BMP concerns and stand was too wet.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4119 - Mixed Northern Hardwoods	Poletimber Well	18.9	81	81-110	N. HARDWOOD POLETIMBER STAND WITH A HEAVY BALSAM FIR UNDERSTORY. LOWER STOCKING PRESENTLY. SURROUNDED BY SWAMP CONIFER STANDS. ACCESSIBLE ONLY THROUGH PRIVATE PROPERTY. 1/14/2016. Stand was not prescribed for SBW salvage because BF is a minor component in this northern hardwood stand.
19	4110 - Sugar Maple Association	Sawtimber Well	204.4	91	81-110	HIGH QUALITY N. HARDWOOD STAND, COMPRISED MOSTLY OF SUGAR MAPLE SAWTIMBER. SELECTION HARVEST COMPLETED 2003. PRESENT BA IS APPROX. 91 SQ. FT. SELECTION HARVEST IN ABOUT 20 YEARS.
20	6113 - Lowland Maple	Sapling Well	1.6	21	Immature	SMALL STAND OF MIXED NORTHERN HARDWOOD SAPLINGS LOCATED ON A WET SITE.
25	42330 - Upland Fir	Poletimber Well	47.6	41	51-80	SMALL STAND OF BALSAM FIR ADJACENT TO DRAINAGE. STAND WAS EVALUATED FOR SBW SALVAGE BUT NOT PRESCRIBED DUE TO BMP CONCERNS.
26	4110 - Sugar Maple Association	Sawtimber Well	55.2	91	81-110	N. HARDWOOD STAND, MOSTLY SUGAR MAPLE SAWTIMBER. LOWER B.A. PRESENTLY(83 SQ. FT.). SELECTION HARVEST COMPLETED IN 2001. POSSIBLE HARVEST IN ABOUT 20 - 30 YEARS. THE BEST ACCESS IS THROUGH PRIVATE AG PASTURE TO THE EAST.
27	6120 - Lowland Cedar	Poletimber Well	10.1	101	111-140	VERY WET MIXED CONIFER SWAMP ADJACENT TO VAN CREEK. PART OF THIS STAND TO THE WEST HAS DROWNED DUE TO FLUCTUATING WATER LEVELS FROM BEAVER ACTIVITY. TOO WET TO HARVEST.
28	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	9.1	68	1-50	SPARSE STAND OF NORTHERN HARDWOOD LYING IN A SMALL, INTERMITTENT DRAINAGE AREA.
29	4110 - Sugar Maple Association	Sawtimber Well	30.7	91	81-110	N. HARDWOOD STAND WITH A SLIGHTLY LOWER STOCKING LEVEL PRESENTLY (BA 91 SQ. FT.) . SOME LARGER DIAMETERS PRESENT. HEAVY HARDWOOD REGEN IN PLACES. POSSIBLE SELECTION HARVEST IN 20 YEARS. IT WOULD BE DESIRABLE TO TREAT THIS STAND WITH STAND 15 IN COMPARTMENT 109, ADJACENT TO THE WEST, TO MAKE THE SALE MORE COMMERCIALY DESIRABLE, AND EASIER TO ACCESS, FOR THE PRODUCER.
31	4110 - Sugar Maple Association	Sawtimber Well	45.5	81	81-110	PARCEL WAS ACQUIRED FROM MAPLE RIDGE SAWMILL IN 2011 AND CONSISTS OF MIXED NORTHERN HARDWOOD SAWTIMBER/POLETIMBER, MOSTLY SUGAR MAPLE. STAND WAS HARVESTED 10 - 15 YEARS AGO. PRESENT BA IS ABOUT 83 SQ. FT. POSSIBLE TREATMENT IN ABOUT 30 YEARS.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	4110 - Sugar Maple Association	Poletimber Well	30.7	81	81-110	MIXED NORTHERN HARDWOOD, MOSTLY SUGAR MAPLE POLETIMBER, SLIGHTLY UNDERSTOCKED WITH SMALLER DIAMETERS PRESENTLY. ROLLING TERRAIN WITH NUMEROUS SEEPS. THIS STAND SHOULD BE HARVESTED WITH THE ADJACENT HARDWOOD STAND (STAND 15) LOCATED TO THE WEST IN COMPARTMENT 109, TO MAKE IT MORE COMMERCIALY DESIRABLE AND EASIER TO ACCESS FOR THE PRODUCER. A FEW ASPEN CLONES ARE FOUND WITHIN THE STAND.
33	4110 - Sugar Maple Association	Poletimber Well	12.4	81	51-80	MIXED N. HARDWOOD STAND, MOSTLY SUGAR MAPLE POLETIMBER, LOCATED ON A SOUTH FACING SLOPE. SMALLER DIAMETERS, LOWER BA PRESENTLY (73 SQ FT). STAND IS PART OF A PARCEL THAT WAS ACQUIRED FROM MAPLE RIDGE SAWMILL IN 2011. POSSIBLE TREATMENT IN ABOUT 30 YEARS.
34	6120 - Lowland Cedar	Poletimber Well	2.3	81	81-110	SMALL STAND OF CEDAR LYING IN A DRAINAGE. GOOD WILDLIFE THERMAL COVER. A FEW DEAD/DYING QA AND BLACK ASH PRESENT. BA IS ABOUT 120 SQ. FT.
35	4130 - Aspen	Poletimber Well	37.0	38	51-80	MIXED ASPEN/HARDWOOD POLETIMBER/SAPS FROM 1979 FINAL HARVEST. CONTINUE TO MANAGE THIS STAND FOR ASPEN. FINAL HARVEST AGAIN IN ABOUT 20 YEARS.
36	4110 - Sugar Maple Association	Sawtimber Well	54.6	91	81-110	HIGH QUALITY N. HARDWOOD SAWTIMBER STAND, SELECTION HARVEST COMPLETED IN 2001. POSSIBLE SELECTION HARVEST IN 20 - 30 YEARS. BEST ACCESS IS THROUGH PRIVATE PROPERTY FROM THE EAST.
37	4110 - Sugar Maple Association	Sawtimber Well	75.2	91	81-110	FAIRLY HIGH QUALITY N. HARDWOOD SAWTIMBER, SLIGHTLY LOWER STOCKED PRESENTLY WITH BA BEING ABOUT 100 SQ. FT. SELECTION HARVEST IN 10 - 20 YEARS. EAST HALF OF THIS STAND WAS ACQUIRED FROM EMMET COUNTY IN 2008.
38	4130 - Aspen	Poletimber Well	6.2	38	51-80	BIG-TOOTHED ASPEN POLETIMBER FROM 1979 FINAL HARVEST. MIXED NORTHERN HARDWOOD IN UNDERSTORY. CONTINUE TO MANAGE STAND FOR ASPEN. FINAL HARVEST IN ABOUT 20 YEARS.
40	4110 - Sugar Maple Association	Sawtimber Well	33.7	81	81-110	MIXED N. HARDWOOD STAND. LARGER DIAMETERS AND HIGHER BA IN EAST HALF, MORE POLETIMBER, SMALLER DIAMETERS IN THE WEST HALF. BTA SAWTIMBER IS ALSO PRESENT THROUGHOUT THE STAND. AVE. BA IS 107 SQ. FT. PRESENTLY. NOT ENOUGH BEECH/ASH EXISTS TO PRESCRIBE A SALVAGE. SOME BEECH SNAP OCCURRING. POSSIBLE TREATMENT NEXT YO. E.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6229 - Mixed lowland shrub	20.8	No	VAN CREEK FLOODPLAIN AREA. BEAVERS HAVE FLOODED ADJOINING AREA, MOST TIMBER DROWNED.
4	320 - Upland Shrub	1.3	No	UPLAND BRUSH WITH ENCROACHING CONIFERS. SMALL ACREAGE.
6	6220 - Alder/willow	5.0	No	SMALL ACREAGE. TAG ALDER.
9	6220 - Alder/willow	3.3	No	SMALL STAND OF TAG ALDER AND WILLOW.
13	6229 - Mixed lowland shrub	75.3	No	FLOODPLAIN OF VAN CREEK. SOME TIMBER HAS BEEN DROWNED BY PAST BEAVER ACTIVITY CAUSING WATER LEVEL TO FLUCTUATE. DENSE LOWLAND BRUSH. TAG ALDER, WILLOW, R.O. DOGWOOD, LEATHERLEAF.
16	320 - Upland Shrub	8.1	No	UPLAND BRUSH STAND, MOSTLY SCATTERED CHERRY.
17	6233 - Wet Meadow	10.3	No	OLD BEAVER POND, ON VAN CREEK.
18	310 - Herbaceous Openland	16.5	No	GRASS OPENING ON FLAT GROUND WITH SPARSE SCATTERED UPLAND SHRUBS AND ENCROACHING ASPEN/HARDWOOD GROWTH. ADJACENT TO SWAMP CONIFERS AND PRIVATE PROPERTY. POSSIBLE OPENING MAINTENANCE. ACCESSIBLE FOR EQUIPMENT THROUGH PRIVATE PROPERTY ONLY.
21	6233 - Wet Meadow	7.4	No	OLD BEAVER POND LOCATED IN A PREVIOUS SWAMP CONIFER/HARDWOOD STAND. TRIBUTARY TO VAN CREEK. TREES HAVE
22	310 - Herbaceous Openland	9.1	No	GRASS OPENING FROM PRIVATELY ACQUIRED PARCEL IN 2011. POSSIBLE WILDLIFE TREATMENT. RASPBERRY AND BRACKEN FERN PRESENT ALSO.
23	622 - Lowland Shrub	26.1	No	FLOODPLAIN TO A TRIBUTARY OF VAN CREEK. PAST BEAVER ACTIVITY HAS FLOODED AREA AND DROWNED TIMBER. CURRENTLY WATER LEVEL IS LOWER THAN IN RECENT PAST. MOSTLY SHRUBS AND GRASS. THERE IS AN ACTIVE BEAVER POND LOCATED AT THE NORTH END OF THE STAND.
24	310 - Herbaceous Openland	1.7	No	Grass opening. Part of 2008 acquisition from Emmet County. Raspberry and bracken fern present also.
30	310 - Herbaceous Openland	15.5	No	Hayfield acquired from Emmet County in 2008. Local resident had agreement with county to harvest hay. Contact this person to apply for use permit with MDNR.
39	310 - Herbaceous Openland	4.1	No	Grass with raspberry and bracken fern along utility R.O.W.



Stand	Cover Type	Acres	Managed Site	General Comments:
41	320 - Upland Shrub	1.5	No	UPLAND BRUSH STAND, MOSTLY BROWSED SUMAC, WITH DENSE ENCROACHING HARDWOOD SAPS, MOSTLY SUGAR MAPLE AND RED MAPLE. A FEW WHITE PINE SAWLOG AND POLETIMBER TREES ARE PRESENT. ADJACENT TO VAN RD.
42	310 - Herbaceous Openland	2.1	No	Hayfield that is part of a 2008 acquisition from Emmet County. Local resident had an agreement with the county to harvest the hay off this field. Contact this person, have him apply for a use permit if he wishes to continue this activity.