



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52183

Entry Year 2019

Acreage: 2,271

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2017-04-12

Stand Examiner: John Scheele

Legal Description:

34N - 01W Sections 1, 2, 11, 12, 13, and 14.

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:

The Cheboygan-Blue Lake Association consist of sandy soils which are nearly level to very steep, well drained and moderately well drained and are located along the east and west sides of the compartment. The Rubicon-Blue Lake Association consist of sandy soils which are gently rolling to very steep, excessively drained and well drained and are located mostly in the center of the compartment. The Rubicon -East Lake Association consists of sandy soils which are nearly level and undulating, excessively drained and somewhat excessively drained and are located in a small area in the south part of the compartment.

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

There is a mix of private and state ownership within the compartment. Most private ownership is located along Osmun Road, Walker Road and M-33/M-68 Highway while state ownership is along the compartment boundaries adjacent to other state owned lands.

Unique Natural Features:

Red-shoulder hawk is known to occur in the compartment.

Archeological, Historical, and Cultural Features:

No known occurrences at this time.

Special Management Designations or Considerations:

A Special Conservation Area is located in the north portion of the compartment for an active gravel and sand mining operation.

Watershed and Fisheries Considerations:

This compartment is in the Black River watershed, and contains portions of Milligan Creek, Gokee Creek, and Weed Creek. All three streams have type 1 trout stream regs, while Milligan Creek is also a designated trout stream. Fisheries Division and partner groups have been doing intensive beaver trapping and dam removal in this area for a number of years. Forest management practices along this stream should be done to discourage beaver activity.

Wildlife Habitat Considerations:

This compartment is primarily aspen with red pine, lowlands and upland openings scattered throughout. Areas with aspen will be maintained in multiple age classes for diversity and benefits to wildlife. Upland openings will be treated to maintain and enhance their benefits to wildlife. Featured species include elk, wild turkey, white-tailed deer, ruffed grouse, black bear, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

This area has been leased for oil and gas exploration in the recent past as part of the Collingwood lease play. While the Collingwood has produced some hydrocarbons elsewhere, the formation has not proven to be an economically viable resource play to date. Interest in the formation has waned and all leases in the area have been released. The nearest active production (Niagaran reef oil reservoirs) is eight miles to the southeast. An active, leased state sand/gravel pit (Rieth-Riley is the lessee) is located in Section 2, and other former pits are in the vicinity. These pits are primarily located along an esker. Off that glacial feature, sand and gravel potential appears to be limited. Limestone is within 50 feet of the surface in places within the compartment, but limestone development is unlikely.

Vehicle Access:

There is very good vehicle access through out the compartment. M-33/M-68 Highway crosses through the north part of the compartment. Osmun and Walker Roads are in the center of the compartment and are good county, gravel roads. There are also numerous state-owned forest roads and routes within the compartment.

Survey Needs:

There is some survey work needed to establish survey corners and boundary lines for harvest prescriptions. However, most of the necessary survey corners have already been located and survey requested assistance should be minimal.

Recreational Facilities and Opportunities:

The Midland to Mackinaw Hiking Trail and the Shore to Shore Horse Trail are both located within the compartment.

Fire Protection:

There are no significant wildfire concerns in the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

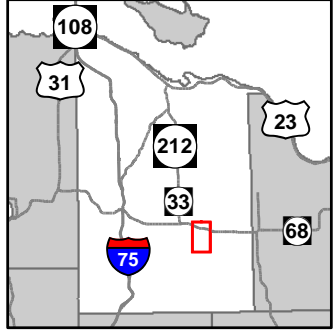
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

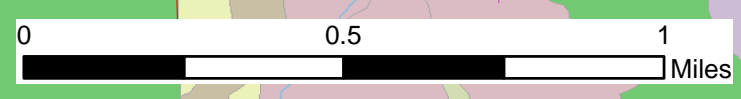
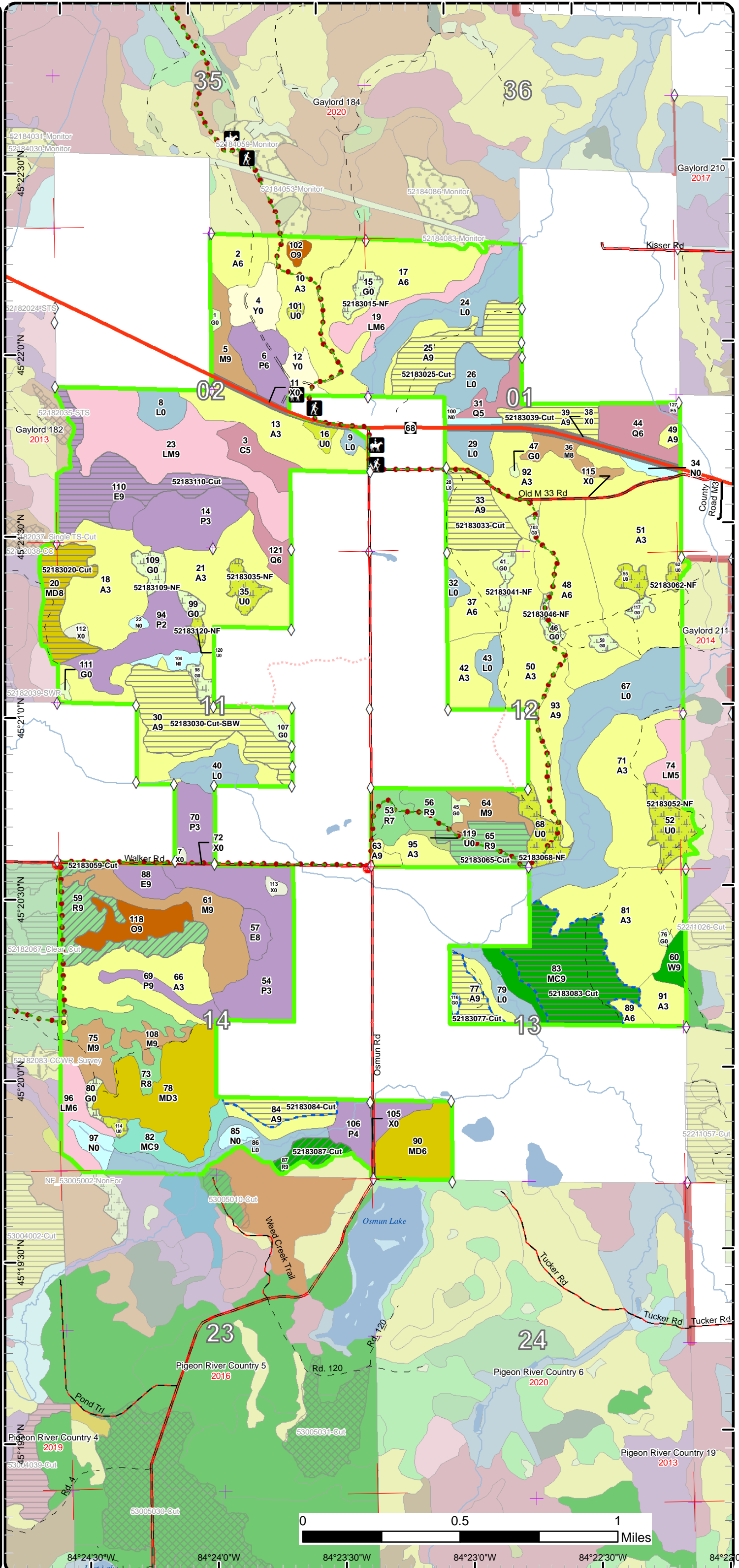
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 183
 T34N, R01W, Sec. 1, 2, 11-14
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin Moraines
 YOE: 2019
 Acres: 2270.6 GIS Calculated
 Examiner: John Scheele
 Map Revised: 9/26/2017
 Map Phase: Post-Review

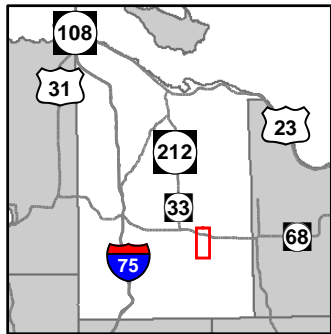


- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Sign
- Hiking Trails
- Horse Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Highway
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- 790 - Other Bare/Sparsely Vegetated
- Lakes

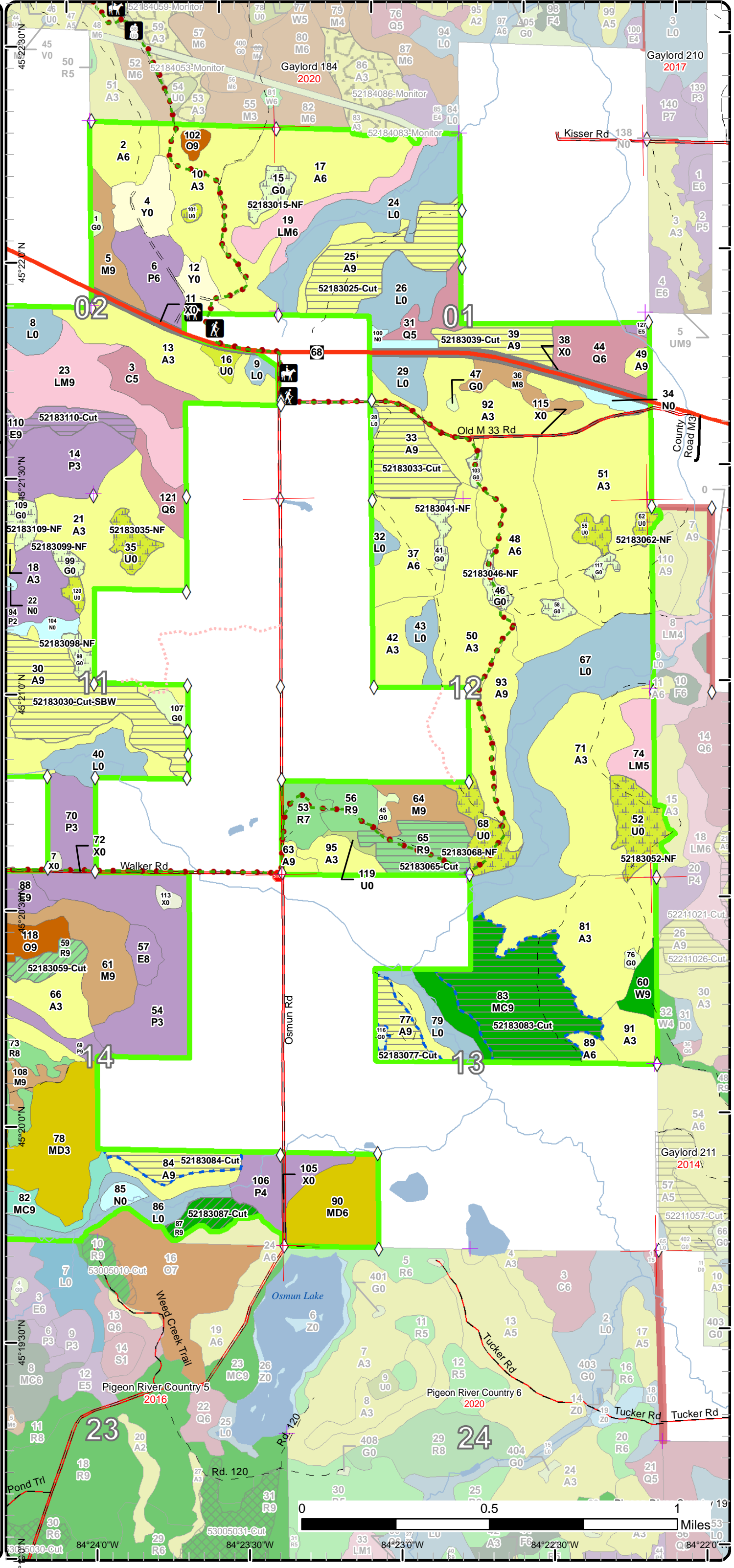


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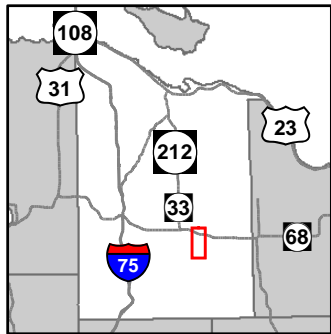


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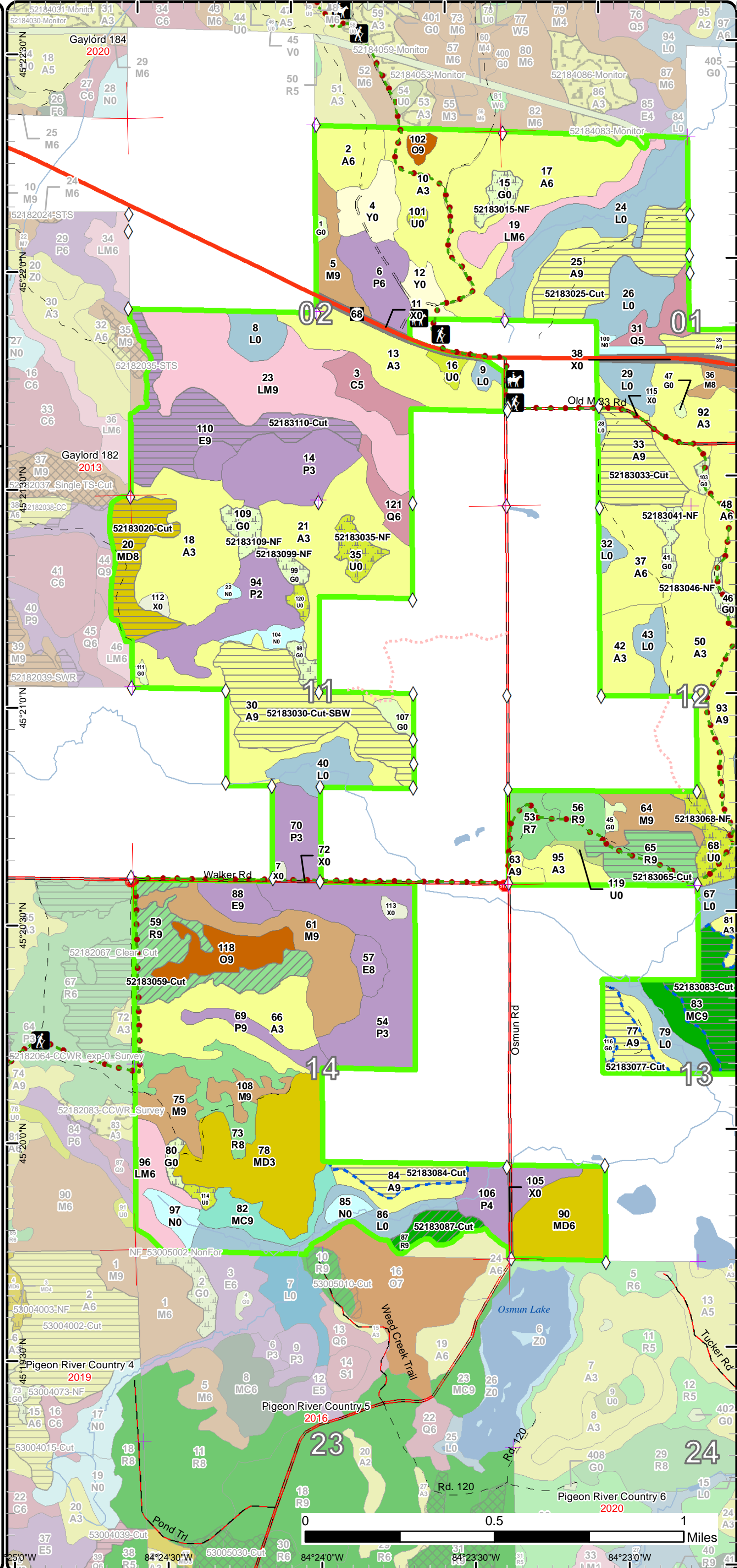


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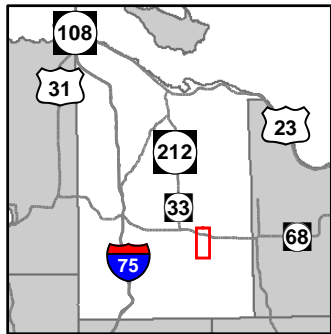


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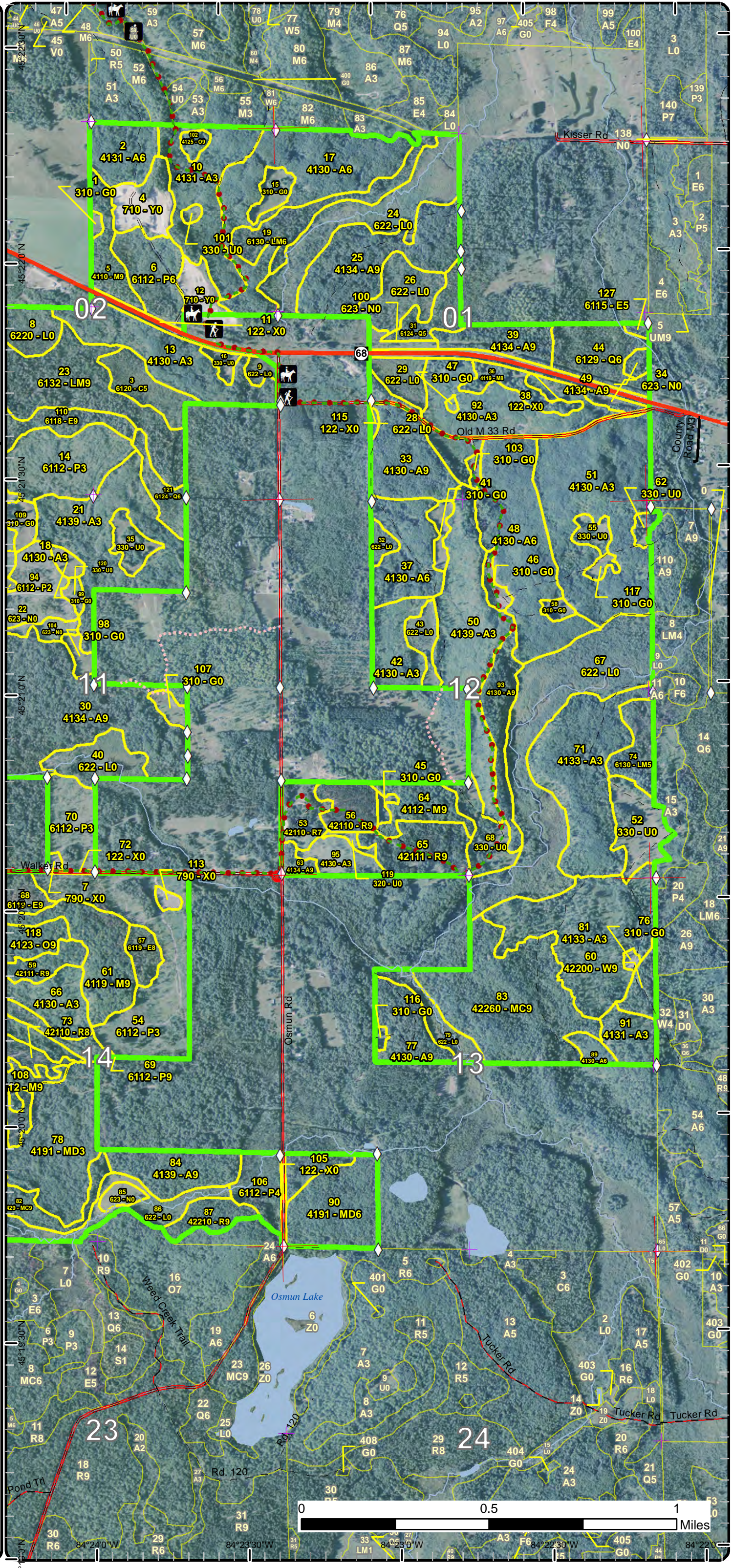


Stand Boundary Map

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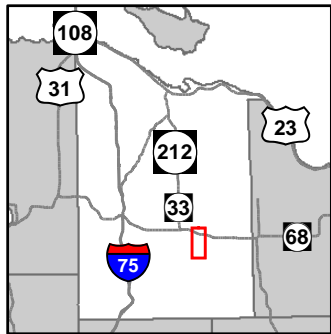


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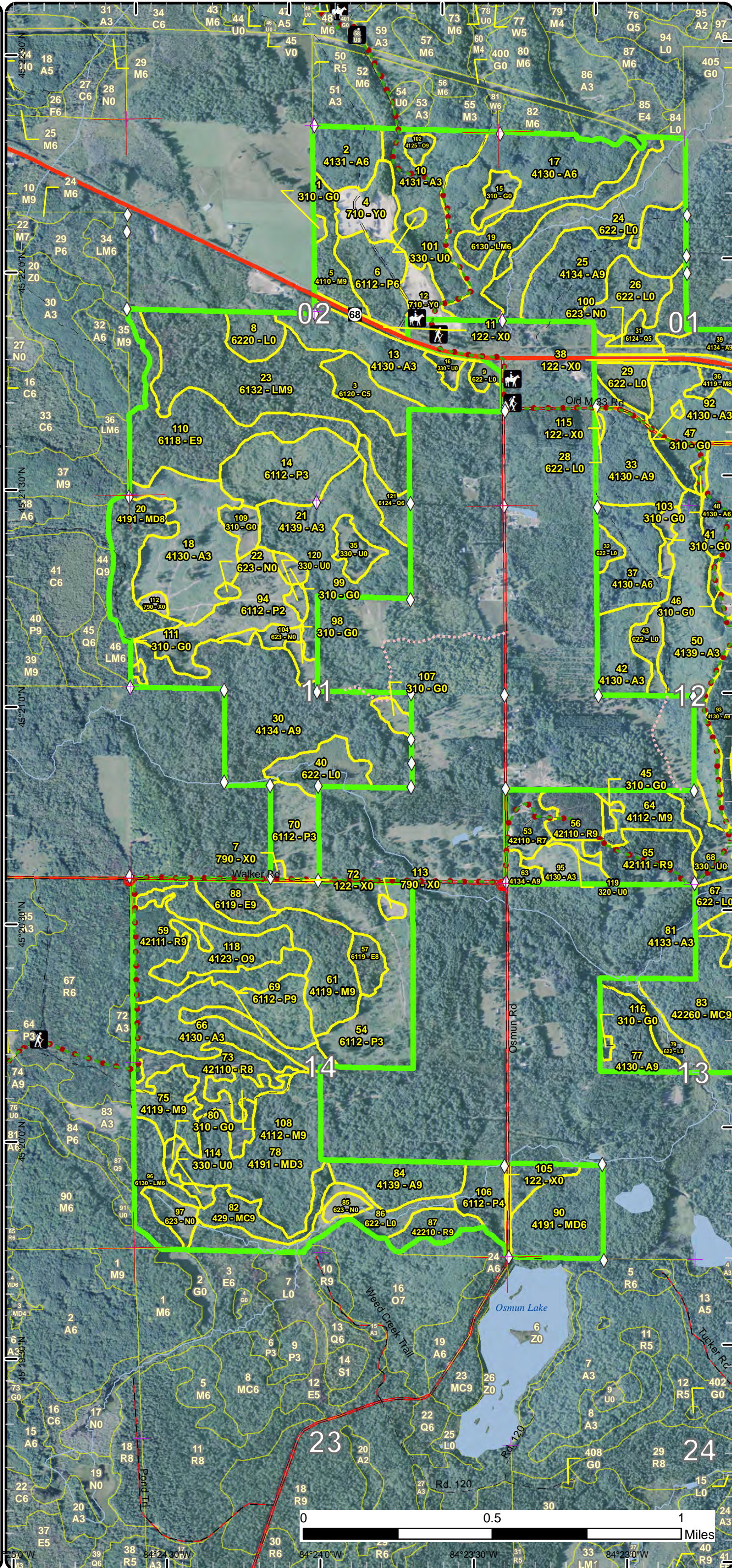


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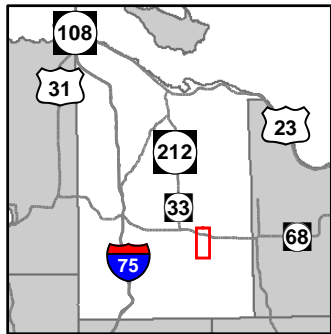


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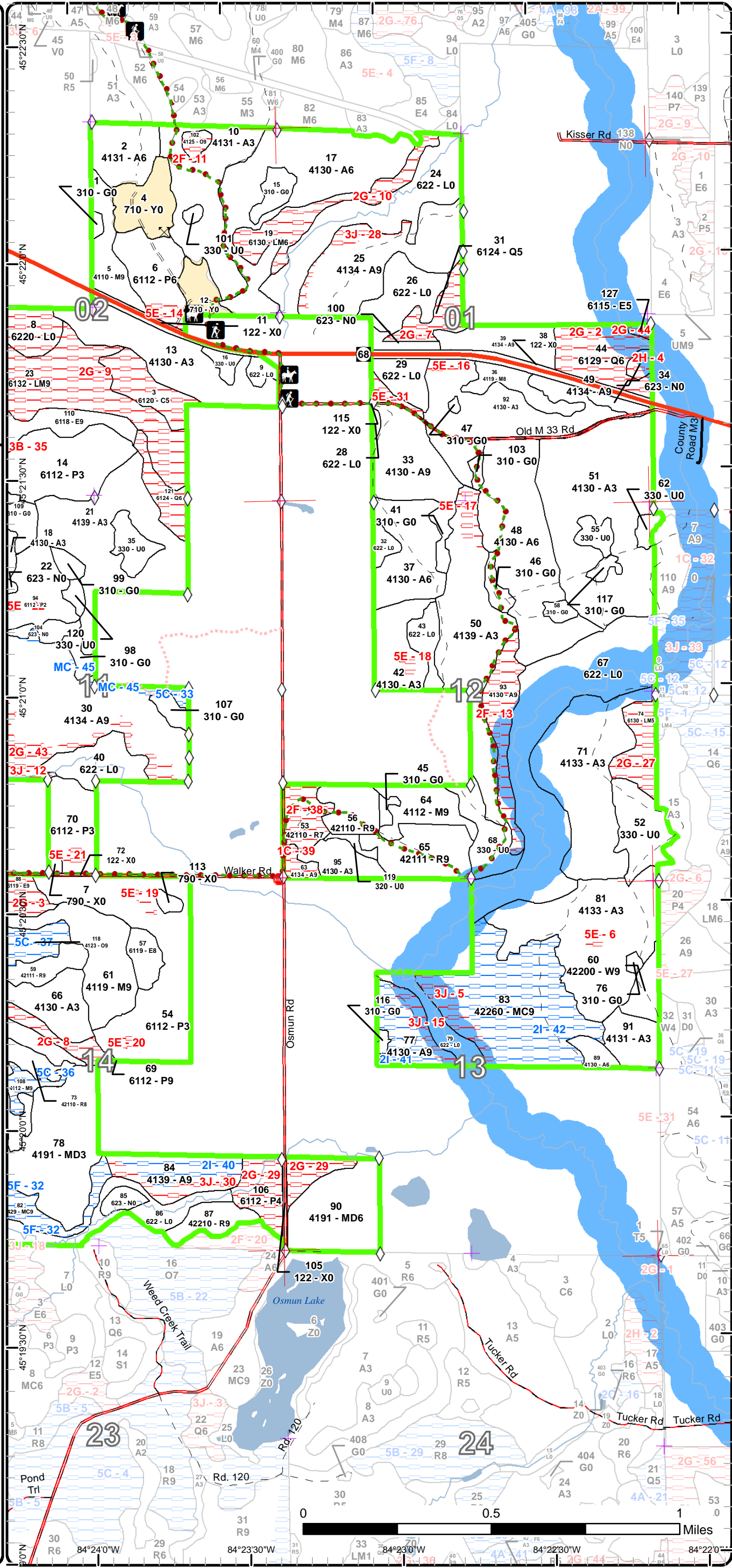


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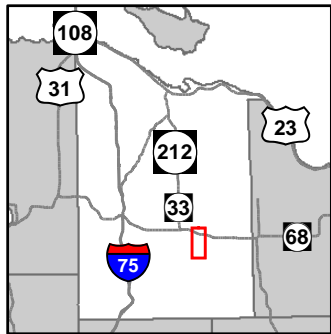


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Sand or Gravel Pit
- Sand or Gravel Pit

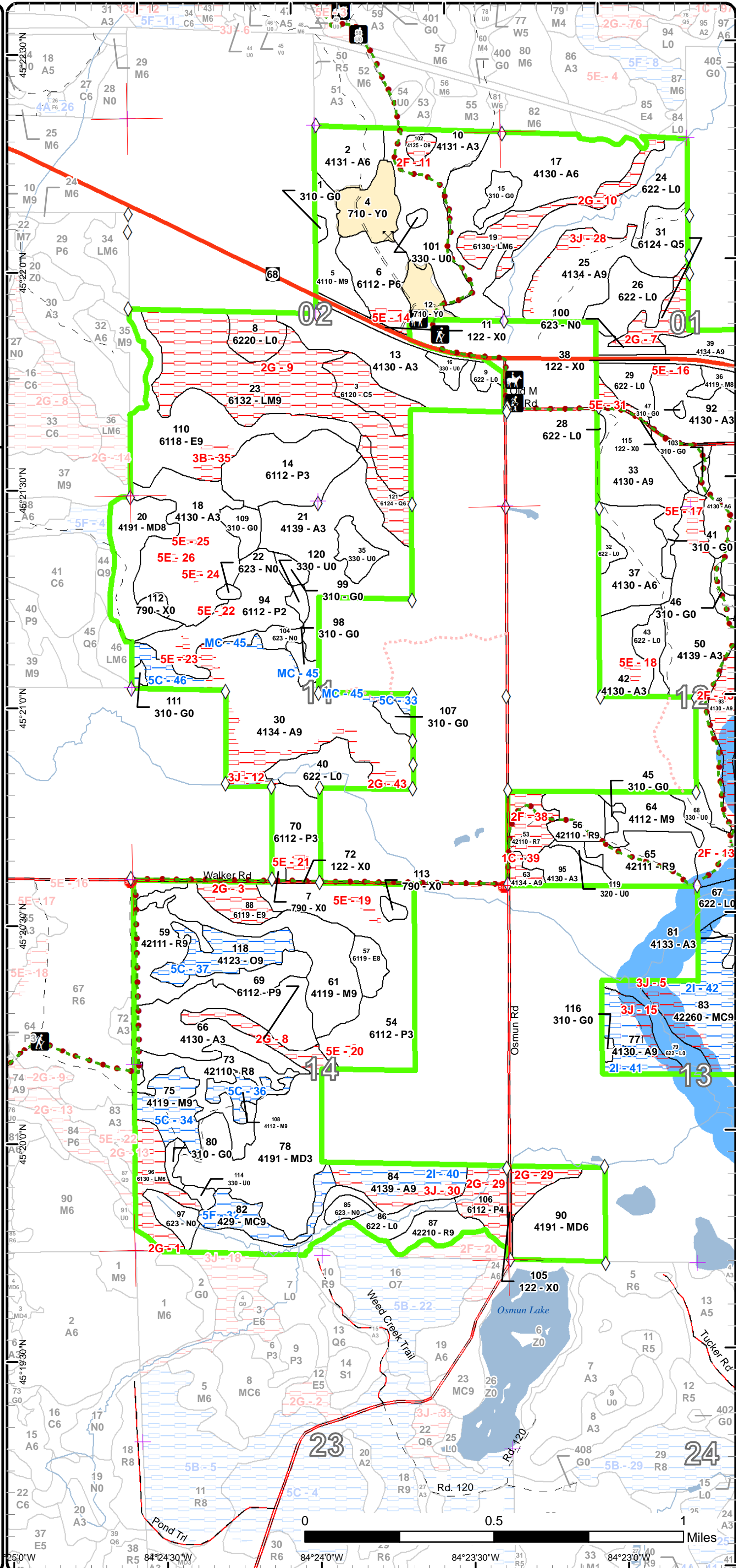


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Age Class

	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	252	166	251	64	0	0	44	18	163	19	0	0	0	0	0	0	0	975
Bare/Sparsely Vegetated	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	14
Herbaceous Openland	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Low-Density Trees	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Lowland Aspen/Balsam Poplar	0	111	34	21	0	0	20	0	0	0	10	0	0	0	0	0	0	0	196
Lowland Conifers	0	0	0	0	0	0	0	0	10	33	0	0	0	0	0	0	0	0	43
Lowland Deciduous	0	0	0	0	0	0	1	0	7	11	51	0	0	0	0	0	0	0	70
Lowland Mixed Forest	0	0	0	0	0	0	0	17	0	20	89	0	0	0	0	0	0	0	126
Lowland Shrub	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221
Marsh	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Mixed Upland Deciduous	0	0	0	59	32	0	0	0	0	26	0	0	0	0	0	0	0	0	117
Natural Mixed Pines	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	70
Northern Hardwood	0	0	0	0	0	0	0	0	0	86	14	0	0	0	0	0	0	0	100
Oak	0	0	0	0	0	0	0	0	0	20	3	0	0	0	0	0	0	0	23
Red Pine	0	0	0	0	0	0	103	0	0	0	10	0	0	0	0	0	0	0	113
Sand, Soil	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Conifers	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
White Pine	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Total	403	363	200	331	96	0	139	61	105	382	196	0	0	0	0	0	0	0	2272



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 183

Total Compartment Acres: 2,271

Commercial Harvest - 272
 Harvests with Site Condition - 87
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	162	0	0	0	0	0	0	0	0	162
Lowland Deciduous	46	0	0	0	0	0	0	0	0	46
Mixed Upland Deciduous	26	0	0	0	0	0	0	0	0	26
Natural Mixed Pines	61	0	0	0	0	0	0	0	0	61
Red Pine	22	0	0	0	0	43	0	0	0	65
Total	316	0	0	0	0	43	0	0	0	359

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	359	0	0	0	0	0	0	90	0	449
Next Step	0	44	22	0	0	22	338	0	0	427
Total	359	44	22	0	0	22	338	0	90	875



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
15	52183015-NF	6.0	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

20	52183020-Cut	25.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	85	51-80	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration includes a low to moderate mix of deciduous and coniferous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

25	52183025-Cut	38.1	4134 - Aspen, Spruce/Fir	Sawtimber Well	60	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut pine or oak trees. A 300 foot 'no clearcut' buffer has been established along the stream to discourage beaver activity as well as stand retention. Access to the stand has been granted by the adjacent private landowner to the south. Call Miss Dig (811) and/or Aurora Gas 989-733-6625 before any harvesting activity begins to located gas line along M-68.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration includes a moderate to well stocked mix of aspen, pine and deciduous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

30	52183030-Cut- SBW	55.2	4134 - Aspen, Spruce/Fir	Sawtimber Well	87	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS
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Habitat Cut: No**Site Condition:**

Prescription SBW Salvage. Clearcut all trees to 2" DBH except any underrepresented species if found, specifically cedar, hemlock, and pine. Retention will be focused in the southwest and along the lowland type. Additional retention might be necessary around low areas too wet to harvest (identified during timber sale prep).

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration will meet minimum stocking requirements for aspen and/or mixed hardwood, coniferous species.

Regen:

Other

Comment:

Proposed Start Date: 02/01/2016



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
33	52183033-Cut	27.3	4130 - Aspen	Sawtimber Well	80	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak. Place stand retention on the north side of Old M-33 Hwy. Leave an uncut area along the south side of the recreation trail/Old M-33 Hwy. as a visual buffer for the trail. Also, do not cut the east facing slope along the east boundary line, which is relatively steep. Include recreation trail protection specifications to sale proposal.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked stand of aspen and deciduous species.

Other Comment:

Other Comment:

Other Comment:

Proposed Start Date: 10/01/2018

35	52183035-NF	7.8	330 - Low-Density Trees	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable Regen:

Other Comment:

Other Comment:

Other Comment:

Proposed Start Date: 10/01/2018

39	52183039-Cut	15.4	4134 - Aspen, Spruce/Fir	Sawtimber Well	74	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Cut in either winter or summer to minimize rutting concerns. Cut all trees between M-68 and the power line. No other retention due to small stand size. Call Miss Dig (811) and/or Aurora Gas 989-733-6625 before any harvesting activity begins to located gas line along M-68.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.

Other Comment:

Other Comment:

Other Comment:

Proposed Start Date: 10/01/2018

41	52183041-NF	4.4	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, burn, brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other Comment:

Other Comment:

Other Comment:

Proposed Start Date: 10/01/2018



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
46	52183046-NF	3.9	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

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

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

52	52183052-NF	18.1	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

55	52183055-NF	4.7	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

58	52183058-NF	2.5	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, burn,brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018



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
59	52183059-Cut	33.1	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	51	171- 200	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin stand to 100 - 120 BA. Remove all deciduous trees except oak. Include recreation trail protection specifications to sale proposal.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

62	52183062-NF	2.8	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

65	52183065-Cut	22.1	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	58	171- 200	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest and replant to Red Pine. Do not cut oak trees. Focus retention along the recreation trail. Do not replant areas with advanced deciduous regeneration. Include recreation trail protection specifications to sale proposal.

Specs:

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr);

Treatments: SitePrep, Trenching

Acceptable Acceptable regeneration is a medium to well-stocked stand of planted Red Pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

68	52183068-NF	14.3	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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
77	52183077-Cut	12.9	4130 - Aspen	Sawtimber Well	87	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Harvest stand to regenerate. Do not cut oak or Red Pine. A 300 foot 'not cut' buffer area is established along the Milligan Creek to minimize beaver activity and to act as retention. Access has been granted by private property owner to the west.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen, pine and deciduous species.

Other

Comment:

Proposed Start Date: 10/01/2018

80	52183080-NF	2.6	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, burn, brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

83	52183083-Cut	60.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	70	111- 140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Harvest stand to regenerate. Do not cut oak species. Also mark some Red and White Pine to leave for stand structure diversity and seed source. A 300 foot 'no cut' area has been established along the Milligan Creek and for stand retention. Access to the stand from the south has been obtained from the adjacent private landowner.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen and pine species.

Other

Comment:

Proposed Start Date: 10/01/2018

84	52183084-Cut	13.1	4139 - Aspen, Mixed Deciduous	Sawtimber Well	81	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Harvest stand to regenerate. Do not cut oak or Red Pine for stand structure diversity. Also mark some White Pine to leave. Leave a 300 foot 'no cut' buffer along Weed Creek to discourage beaver activity and for stand retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked stand of aspen, pine, and deciduous species.

Other

Comment:

Proposed Start Date: 10/01/2018



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
87	52183087-Cut	9.8	42210 - Natural Red Pine	Sawtimber Well	93	141- 170	Harvest	Crown Thinning	4221 - Natural Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin stand to 80 - 100 RBA. Leave White Pine, oak, and aspen. Target Red Pine marking in the largest and smallest diameter size classes.

Specs: Cut during the summer (June 1st - October 1st) to scarify the soil for possible natural Red Pine regeneration.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

98	52183098-NF	3.5	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

99	52183099-NF	3.1	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

101	52183101-NF	1.3	330 - Low-Density Trees	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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
103	52183103-NF	1.7	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

109	52183109-NF	6.3	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

110	52183110-Cut	45.6	6118 - Lowland Deciduous with Cedar	Sawtimber Well	90	Unspec ified	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest to regenerate. Harvest after July 15th to minimize rutting concerns and to not disturb any possible RSH activity. Do not cut hemlock or pine species. A retention area has been designated around a high concentration of cedar trees and the possible RSH nest along the south boundary line of the stand.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a low to moderate mix of lowland deciduous and coniferous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

114	52183114-NF	2.1	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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
117	52183117-NF	2.2	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

120	52183120-NF	2.3	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed: 448.6

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions										
		With Condition	Not Available		2I	5C	5F	MC	1C	2F	2G	2H	3B	3J	5E
977	810	38	129	Aspen	26	10		2	4	19	18	3		24	62
5	5	0	0	Bare/Sparsely Vegetated											
14	0	0	14	Cedar							14				
47	47	0	0	Herbaceous Openland		0									
57	57	0	0	Low-Density Trees							0				
195	154	0	41	Lowland Aspen/Balsam Poplar							30				11
46	3	0	43	Lowland Conifers							43				
70	53	0	17	Lowland Deciduous							12		5		
126	0	0	125	Lowland Mixed Forest							125				
221	210	0	11	Lowland Shrub							11				
24	24	0	0	Marsh				0			0				
116	116	0	0	Mixed Upland Deciduous			0				0				
69	0	61	9	Natural Mixed Pines	61									9	
100	76	24	0	Northern Hardwood		24					0				
23	0	20	3	Oak		20				3					
113	101	0	12	Red Pine						12					
24	24	0	0	Sand, Soil											
15	0	15	0	Upland Conifers			15				0				
2	2	0	0	Upland Shrub											
23	23	0	0	Urban											
8	8	0	0	White Pine											
2,273	1,713	158	403	Total Forested Acres	87	54	15	2	4	33	253	3	5	32	73
	75%	7%	18%	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	2G: Too wet (sensitive soils, does not include access issues)	17	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW Salvage. Inventory records note sensitive soils. Nearby stream could be BMP flag.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	2A: Adjacent landowner denied access	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Most of the stand is within 300 feet of the Milligan Creek.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: 300 foot 'no clearcutting' buffer to Milligan Creek. This is also a steep slope leading down to Milligan Creek.							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	110	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2F: Too steep	3	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: Leave for oak mast production.							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Gakee Creek runs through this portion of the stand							
13	Unavailable	2F: Too steep	19	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Buffer area along Milligan Creek and too steep.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

14	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area was not harvested when adjacent stand was cut. Good area as buffer to M-68.							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300 foot 'no clearcutting' buffer to Milligan Creek.							
16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 92.							
17	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 50.							
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 42.							
19	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 54							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 54.							
21	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 70.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 94.							
23	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 94.							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 18.							
25	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 18.							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Stand 18.							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area is within 300 feet of Spring Creek which the Fisheries Division requested as a 'no clearcut' area if the stand is treated.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for Stand 33.							
32	Available	5F: Evaluated for Forest Health Considerations	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand may have been unprecibed in the past as a buffer to Weed Creek. Heavy past beaver activity along Weed Creek.							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Dominated by sub-merchantable timber at this time. This was an inclusion to the adjacent stand.							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Discuss at review.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

35	Unavailable	3B: Threatened, endangered, and special concern species	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Discuss at review.							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Agreed at pre-review to delay treatment until next YOE.							
38	Unavailable	2F: Too steep	12	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: Agreed to drop treatment during pre-review meeting.							
39	Unavailable	1C: Other dept or div proc/practices	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Prescribed treatment for 2019 was dropped at pre-review. Acreage was omitted from previous timber sale to the east. Stand could act as long-term retention for the Stand 95.							
40	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A survey would be helpful but necessary to complete the treatment.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 183
Year of Entry: 2019

41	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A survey would be helpful but necessary to complete the treatment.							
42	Available	2I: Survey needed	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A survey would be helpful but necessary to complete the treatment.							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	Minor Change in Acreage	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat with adjacent compartment (to west) when silviculturally viable.							

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.
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:
2	4131 - Aspen, Oak	Poletimber Well	17.4	27	Unspecified	Aspen regen with residual Oak.
3	6120 - Lowland Cedar	Poletimber Medium	14.5	80	Unspecified	Poor quality cedar. Short with some dying tops. Aspen is almost dead.
5	4110 - Sugar Maple Association	Sawtimber Well	14.0	90	81-110	Thinned in 2010. Good quality trees in south part of stand. Heavy EAB damage in ash. BA = 83.
6	6112 - Lowland Aspen	Poletimber Well	21.0	27	Immature	The higher ground is on the east side of access road to gravel pit.
10	4131 - Aspen, Oak	Sapling Well	38.4	17	Immature	
13	4130 - Aspen	Sapling Well	38.4	26	Unspecified	A couple areas of low density trees are in the center of the stand.
14	6112 - Lowland Aspen	Sapling Well	33.8	15	Unspecified	
17	4130 - Aspen	Poletimber Well	59.8	36	Unspecified	
18	4130 - Aspen	Sapling Well	48.6	3	Immature	Witnessed 10 elk in stand during inventory. Heavy elk presence in northwest part of stand. Tops of Red Maple have been eaten.
19	6130 - Fir, Aspen, Maple	Poletimber Well	20.3	83	Unspecified	A few larger diameter Quaking Aspen. Transition zone from upland to lowland.
20	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	25.9	85	51-80	Mostly multi-stemmed, open grown Red Maple trees. BA = 53.
21	4139 - Aspen, Mixed Deciduous	Sapling Well	53.0	23	Unspecified	
23	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	75.6	90	Unspecified	Aspen is blowing over or dying out.
25	4134 - Aspen, Spruce/Fir	Sawtimber Well	44.1	60	Unspecified	A few large diameter aspen trees. Light beaver activity along the north boundary.
30	4134 - Aspen, Spruce/Fir	Sawtimber Well	88.6	87	Unspecified	Wet area in southwest corner of stand. Just a few scattered large DBH White and Red Pine. Private boundary line is clearly identified around most of the stand.
31	6124 - Lowland Spruce-Fir	Poletimber Medium	11.2	86	Unspecified	
33	4130 - Aspen	Sawtimber Well	30.3	80	Unspecified	Variable diameters in aspen species. Some larger aspen along the western boundary. Larger aspen is declining. Beech scale and EAB present.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4119 - Mixed Northern Hardwoods	Sawtimber Medium	9.8	80	81-110	Open, many multi-stemmed trees which are fairly branchy. White Pine very bushy. Variable DBH throughout the stand. BA = 97.
37	4130 - Aspen	Poletimber Well	26.6	25	Immature	Pockets of low ground shrub within the stand.
39	4134 - Aspen, Spruce/Fir	Sawtimber Well	15.4	74	Unspecified	Nice diameter trees with variable DBH Balsam Fir. Lower ground in northeast corner of stand. Power line and gas line run through stand along M-68 (Aurora Gas 989-733-6625).
42	4130 - Aspen	Sapling Well	17.9	6	Immature	
44	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	22.2	88	Unspecified	
48	4130 - Aspen	Poletimber Well	58.8	25	Immature	
49	4134 - Aspen, Spruce/Fir	Sawtimber Well	2.7	70	Unspecified	No access to stand. Trespass case. Adjacent property owner has 2 structures along boundary line.
50	4139 - Aspen, Mixed Deciduous	Sapling Well	53.7	6	Immature	Stand is on a mostly west facing slope.
51	4130 - Aspen	Sapling Well	80.9	17	Immature	Big Buck Break Up, cut in 1999, regen looks very good.
53	42110 - Planted Red Pine	Sawtimber Poor	11.8	58	171-200	Hilly terrain with a recreational trail going through the stand. Just a few White Pine trees along Osmun Road. Some areas of non-forested, steep slopes. BA is 193 in the forested areas of the stand.
54	6112 - Lowland Aspen	Sapling Well	59.8	4	Immature	Harvest complete in 2013. Former inventory: "Aspen is declining, lots of wind throw in some areas of the stand. Balsam fir is heavy in a few parts of the stand."
56	42110 - Planted Red Pine	Sawtimber Well	12.1	58	81-110	Snake Line Red Pine, third row-thinned, 52-131-09-01. Complete 4/8/14. BA = 105.
57	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	7.0	70	51-80	2017 Many dead ash overstory trees. Too wet.
59	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	33.1	51	171-200	Variable DBH in Red Pine from 5" to 12". Some dense pockets of higher BA. Nice, tall trees in some pockets. Pockets of hardwood trees with very branchy Sugar Maple. BA is 199.
60	42200 - Natural White Pine	Sawtimber Well	7.6	82	111-140	Some individually larger White Pine. Very branchy pine but relatively tall. smaller diameter trees in the southwest part of stand. BA = 133.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
61	4119 - Mixed Northern Hardwoods	Sawtimber Well	38.1	88	81-110	Poor quality hardwood with many multi-stemmed trees. Stand is on a north and east facing slope. Some larger diameter beech and oak. BA = 107.
63	4134 - Aspen, Spruce/Fir	Sawtimber Well	3.8	87	Unspecified	Aspen has trunk rot.
64	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.4	85	81-110	Aspen is dying out. Poor quality, multi-stemmed trees with a some nice Red Maple along the north boundary line of the stand. Steep slope facing to the north. BA = 100
65	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	22.1	58	171-200	75% canopy closure with pockets of hardwood regeneration from previous treatment. Individual multi-stemmed hardwood trees within the plantation. Variable DBH for the Red Pine. Some areas have been thinned and some very branchy trees in the lower BA areas. South half of the stand is fairly hilly. BA = 175 in forested areas.
66	4130 - Aspen	Sapling Well	46.9	16	Immature	2017 A few scattered Log/Pole Black/Red Oak were left from the past harvest. East part of stand is upland.
69	6112 - Lowland Aspen	Sawtimber Well	9.6	93	Unspecified	This stand is a leave strip from a sale completed in 2000. The strip was too wet to harvest, still is. 2017 Drainage way.
70	6112 - Lowland Aspen	Sapling Well	18.8	3	Immature	Harvest complete in 2013. Former inventory: "Aspen is declining, lots of wind throw in some areas of the stand. Balsam fir is heavy in a few parts of the stand."
71	4133 - Aspen, Mixed Pine	Sapling Well	56.3	24	Immature	A couple small pockets of low ground in northeast part of stand.
73	42110 - Planted Red Pine	Sawtimber Medium	24.0	51	111-140	Snake Line Red Pine, third row-thinned, 52-131-09-01. Completed 4/8/14. 2017 Multi-stemmed, large crowned hardwood trees were removed during last thinning. BA averages 120 in Red Pine areas. Nice quality Red Pine in spots.
74	6130 - Fir, Aspen, Maple	Poletimber Medium	12.9	90	Unspecified	Low volume. Pockets of lowland shrubs in stand. Southern edge of stand is drier and has better quality trees.
75	4119 - Mixed Northern Hardwoods	Sawtimber Well	16.1	85	111-140	Poor quality hardwood. Many multi-stemmed trees. High beech scale. Some beech and Red Maple are breaking apart. Small pocket of Red Pine in center of the stand. BA = 113.
77	4130 - Aspen	Sawtimber Well	18.7	87	Unspecified	Quaking Aspen is dying out.
78	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	58.7	25	Immature	2017 Real nice Paper Birch regeneration in some areas. White Pine is very branchy and multi-stemmed with high weevil damage.
81	4133 - Aspen, Mixed Pine	Sapling Well	62.8	4	Immature	Stand harvest as part of Milligan Creek Aspen (52-123-09-01).



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	429 - Mixed Upland Conifers	Sawtimber Well	14.8	52	81-110	Aspen dying out and falling over. White Pine is tall and straight. There are a few x-sized White Pine along the north boundary. Leave as a buffer along the stream to the south.
83	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	69.5	70	111-140	Some larger 18' DBH Red and White Pine. Aspen dying out. Some nice quality Red Pine in pockets. there is a steep ridge in the center of the stand. BA = 130.
84	4139 - Aspen, Mixed Deciduous	Sawtimber Well	21.5	81	Unspecified	Access to stand was granted by landowner to the north. Blue line along north boundary will need to be established.
87	42210 - Natural Red Pine	Sawtimber Well	9.8	93	141-170	A few greater than 18" DBH Red and White Pine. Red Pine BA's are variable. BA = 158.
88	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	10.6	85	Unspecified	This area was left uncut from the previously prescribed harvest to the east, which was cut in 2013. Area was probably too wet for the operator at that time.
89	4130 - Aspen	Poletimber Well	4.4	30	Immature	
90	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	31.6	38	51-80	Some individually larger DBH pine and oak in stand. Aspen is mostly pulpwood size and pine is log size. Larger diameter trees along the north boundary with the lower ground. BA = 100. Purchased in 1984. Acquired 100% of the minerals in 2004.
91	4131 - Aspen, Oak	Sapling Well	12.2	4	Immature	Very hilly terrain.
92	4130 - Aspen	Sapling Well	46.6	7	Unspecified	
93	4130 - Aspen	Sawtimber Well	18.5	97	Unspecified	
94	6112 - Lowland Aspen	Sapling Medium	31.6	3	Immature	Harvest complete in 2013.
95	4130 - Aspen	Sapling Well	10.1	4	Unspecified	Harvest complete in 2013.
96	6130 - Fir, Aspen, Maple	Poletimber Well	16.9	60	Unspecified	There is an old, over-grown railroad along the west boundary line (Section Line) which turns to the east and goes to Osmun
102	4125 - Black, N. Pin Oak	Sawtimber Well	2.9	95	51-80	Very steep, south facing slope.
106	6112 - Lowland Aspen	Poletimber Poor	20.3	50	Unspecified	Significant dead ash in the overstory. Pocket of lowland shrubs within the stands. Old logging trail in center of stand leading to a small clearing along the south boundary of the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
108	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.6	85	111-140	Poor quality hardwood. Small, planted unthinned pockets of Red Pine within stand. BA = 111
110	6118 - Lowland Deciduous with Cedar	Sawtimber Well	50.9	90	Unspecified	High spot of Bigtooth Aspen along west boundary. Aspen over mature. Larger aspen is blowing over. Some large diameter Red Maple (16 DBH). High ground in north center of stand with Balsam fir blow down. Pockets of cedar in south part of stand. A lot of deer/elk tracks and signs.
118	4123 - Red Oak	Sawtimber Well	20.2	88	81-110	Some larger DBH Red Oak trees within the stand. Some understory trees have been removed through a TSI cut in the west part of the stand. BA = 96
121	6124 - Lowland Spruce- Fir	Poletimber Well	9.5	70	Unspecified	
127	6115 - Lowland Ash	Poletimber Medium	1.4	50	Unspecified	Ash overstory is dying out. No access to this stand due to Milligan Creek.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	310 - Herbaceous Openland	1.3	No	
4	710 - Sand, Soil	15.6	No	Active gravel pit operated by Reith-Riley.
7	790 - Other Bare/Sparsely Vegetate	1.1	No	Landing area for previous timber sale.
8	6220 - Alder/willow	10.8	No	
9	622 - Lowland Shrub	3.1	No	
11	122 - Road/Parking Lot	5.4	No	
12	710 - Sand, Soil	8.5	No	
15	310 - Herbaceous Openland	6.0	No	
16	330 - Low-Density Trees	3.1	No	
22	623 - Emergent Wetland	1.3	No	
24	622 - Lowland Shrub	39.6	No	
26	622 - Lowland Shrub	17.5	No	
28	622 - Lowland Shrub	1.0	No	
29	622 - Lowland Shrub	9.3	No	
32	622 - Lowland Shrub	3.5	No	
34	623 - Emergent Wetland	3.2	No	
35	330 - Low-Density Trees	7.8	No	
38	122 - Road/Parking Lot	12.4	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
40	622 - Lowland Shrub	15.8	No	
41	310 - Herbaceous Openland	4.4	No	
43	622 - Lowland Shrub	7.5	No	
45	310 - Herbaceous Openland	1.8	No	
46	310 - Herbaceous Openland	3.9	No	
47	310 - Herbaceous Openland	0.6	No	
52	330 - Low-Density Trees	18.1	No	
55	330 - Low-Density Trees	4.7	No	South facing slope.
58	310 - Herbaceous Openland	2.5	No	
62	330 - Low-Density Trees	2.8	No	
67	622 - Lowland Shrub	80.5	No	
68	330 - Low-Density Trees	14.3	No	
72	122 - Road/Parking Lot	0.6	No	
76	310 - Herbaceous Openland	1.2	No	
79	622 - Lowland Shrub	10.3	No	
80	310 - Herbaceous Openland	2.6	No	
85	623 - Emergent Wetland	3.8	No	
86	622 - Lowland Shrub	21.8	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
97	623 - Emergent Wetland	7.1	No	
98	310 - Herbaceous Openland	3.5	No	
99	310 - Herbaceous Openland	3.1	No	
100	623 - Emergent Wetland	3.5	No	
101	330 - Low-Density Trees	1.3	No	
103	310 - Herbaceous Openland	1.7	No	
104	623 - Emergent Wetland	5.0	No	
105	122 - Road/Parking Lot	1.8	No	
107	310 - Herbaceous Openland	3.7	No	
109	310 - Herbaceous Openland	6.3	No	
111	310 - Herbaceous Openland	1.0	No	
112	790 - Other Bare/Sparsely Vegetate	2.2	No	Landing for previous timber harvest.
113	790 - Other Bare/Sparsely Vegetate	1.9	No	Landing area for previous timber sale.
114	330 - Low-Density Trees	2.1	No	
115	122 - Road/Parking Lot	2.9	No	
116	310 - Herbaceous Openland	1.2	No	
117	310 - Herbaceous Openland	2.2	No	
119	320 - Upland Shrub	1.9	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
120	330 - Low-Density Trees	2.3	No	