



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71193

Entry Year 2018

Acreage: 2,838

County Ogemaw

Management Area: Ogemaw Hills

Revision Date: 2016-07-26

Stand Examiner: Jason Lewicki

Legal Description:

T23N R02E Section 27, 28, 29, 32 and 33
T22N R02E Section 5

Identified Planning Goals:

Vegetation management in the Ogemaw Hills management area (MA) (Figure 4.28.1) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on harvesting older jack pine, balancing the age-class distributions of oak and aspen and regenerating red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are the need to regenerate oak and red pine, continue to balance aspen age-class distributions, an expected increase in recreation pressure and continued wildfire prevention and suppression.

Soil and topography:

Soils on the uplands generally consist of Roselawn sands and Roselawn sandy, gravelly loam. Lowland soils are predominately Lupton muck.

Topography ranges from flat to rolling on the west part of the compartment to hilly with steep ridges on the eastern and southern areas.

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

This compartment is mostly made up of state ownership with a few private inholdings. There are large inholdings of state land to the north and west while private farmland lies primarily to the east and south. There is a private owned gravel pit on the southern border.

Unique Natural Features:

The headwaters of Klacking Creek are within this compartment.

Archeological, Historical, and Cultural Features:

There are old home sites scattered throughout the compartment as evidence of old foundations and rock piles.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

The headwaters of Klacking Creek are found within this compartment which flow into the Rifle River.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 27-29 & 32-33, T23N R2E and Section 5, T22N R2E, Ogemaw County

Surface sediments consist of sand and gravel from ice-contact drift. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the state. A series of sand/gravel pits are located immediately south of the compartment stretching from the NW¼ of Section 4 to the SE¼ of Section 6. Some of the operations are encroaching onto state land in places in Section 5. Sand and gravel potential appears to be very good. The West Branch Field is located three miles to the southwest. The field has produced over 16 million bbls of oil from the Devonian Dundee Limestone and Richfield Formation and is in secondary recovery operations currently. The Field also produces gas from the Prairie du Chien. State lands within Section 5 are currently leased.

Vehicle Access:

Vehicle access is very good throughout the compartment. There are multiple county and forest roads that intersect the area.

Survey Needs:

There are possible survey needs for prepping the timber harvest in stand #2.

Recreational Facilities and Opportunities:

Ogemaw Hills Pathway is used for hiking, biking, and groomed for cross country skiing in the winter. Ogemaw Hills to Ambrose Lake 50" ORV - MCCT trail bisects the west half of the compartment.

Assure logging ahead signs are placed on the trail to notify users of logging activity. Focus retention pockets in clusters along or near trail. Flush cut stumps adjacent to the recreation trails. Sign posts and confidence markers shall be protected. Ensure logging activity does not obliterate the trail.

Dispersed recreational use within the compartment occurs throughout the parcel for hiking, bird watching, berry / mushroom picking, deer hunting and small game hunting.

Fire Protection:**Additional Compartment Information:**

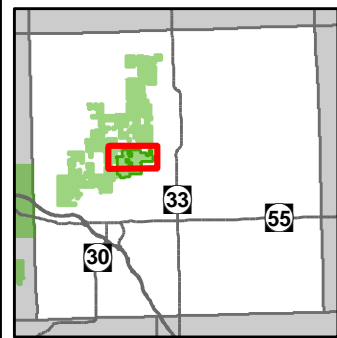
The following reports from the Inventory are attached:

- 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:

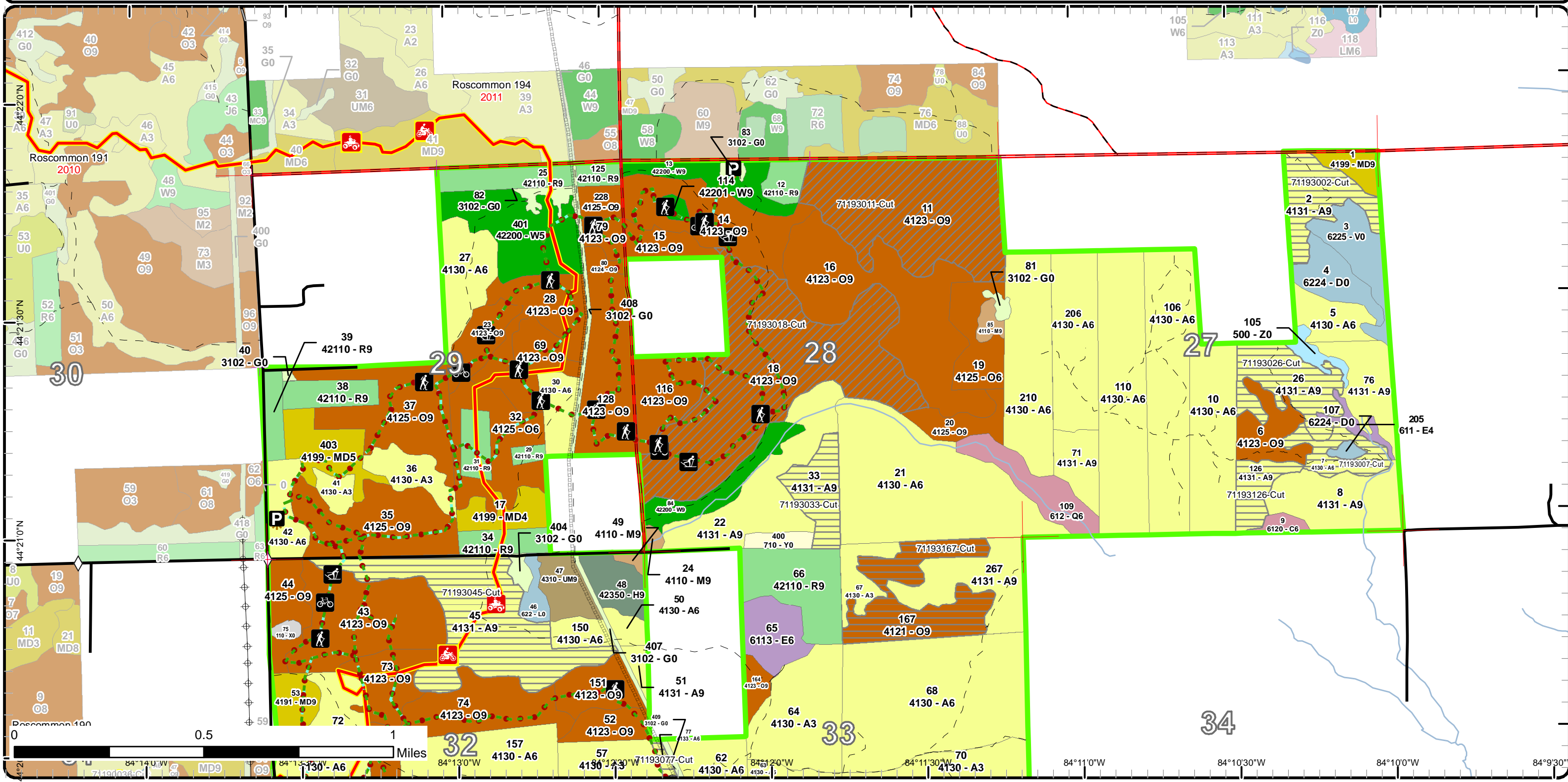
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

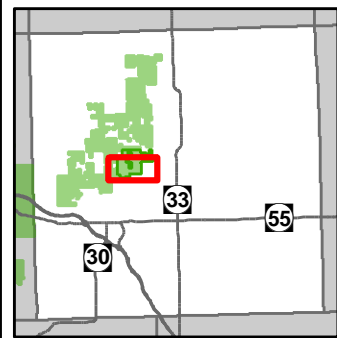


Compartment: 193
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 T22N, R02E, Sec 5
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Ogemaw Hills
 YOE: 2018
 Acres: 2838 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- P Parking Lot
- ✱ Trailhead
- 🚲 Bike Trails
- 🚶 Hiking Trails
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- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- - Poor Dirt Roads
- Rivers
- - - - Pipeline
- ⊕ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes

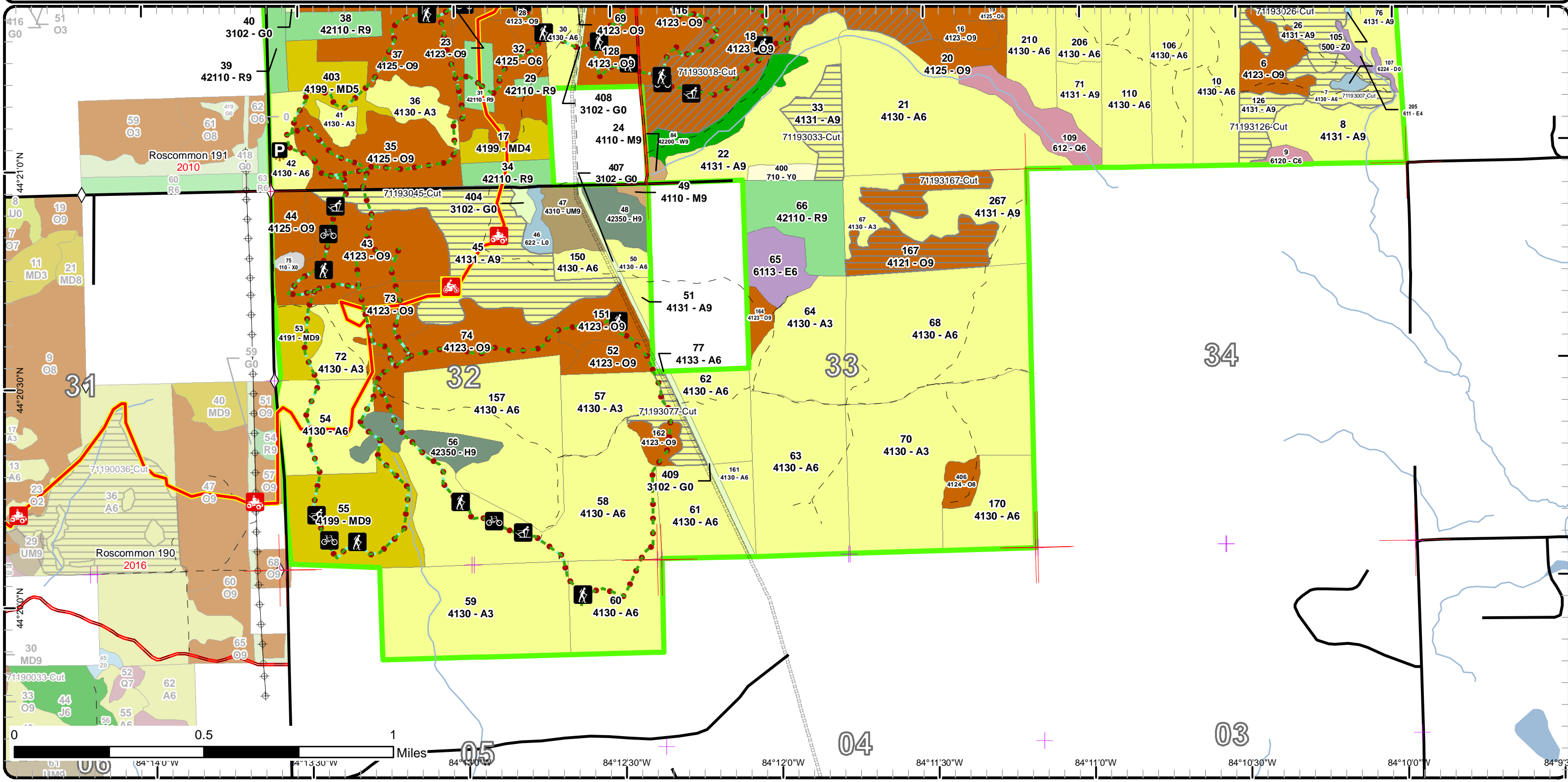


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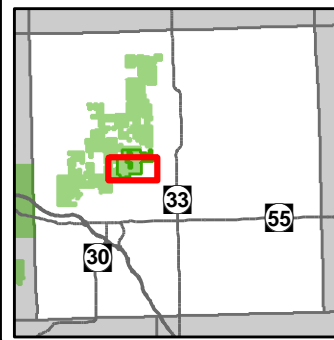


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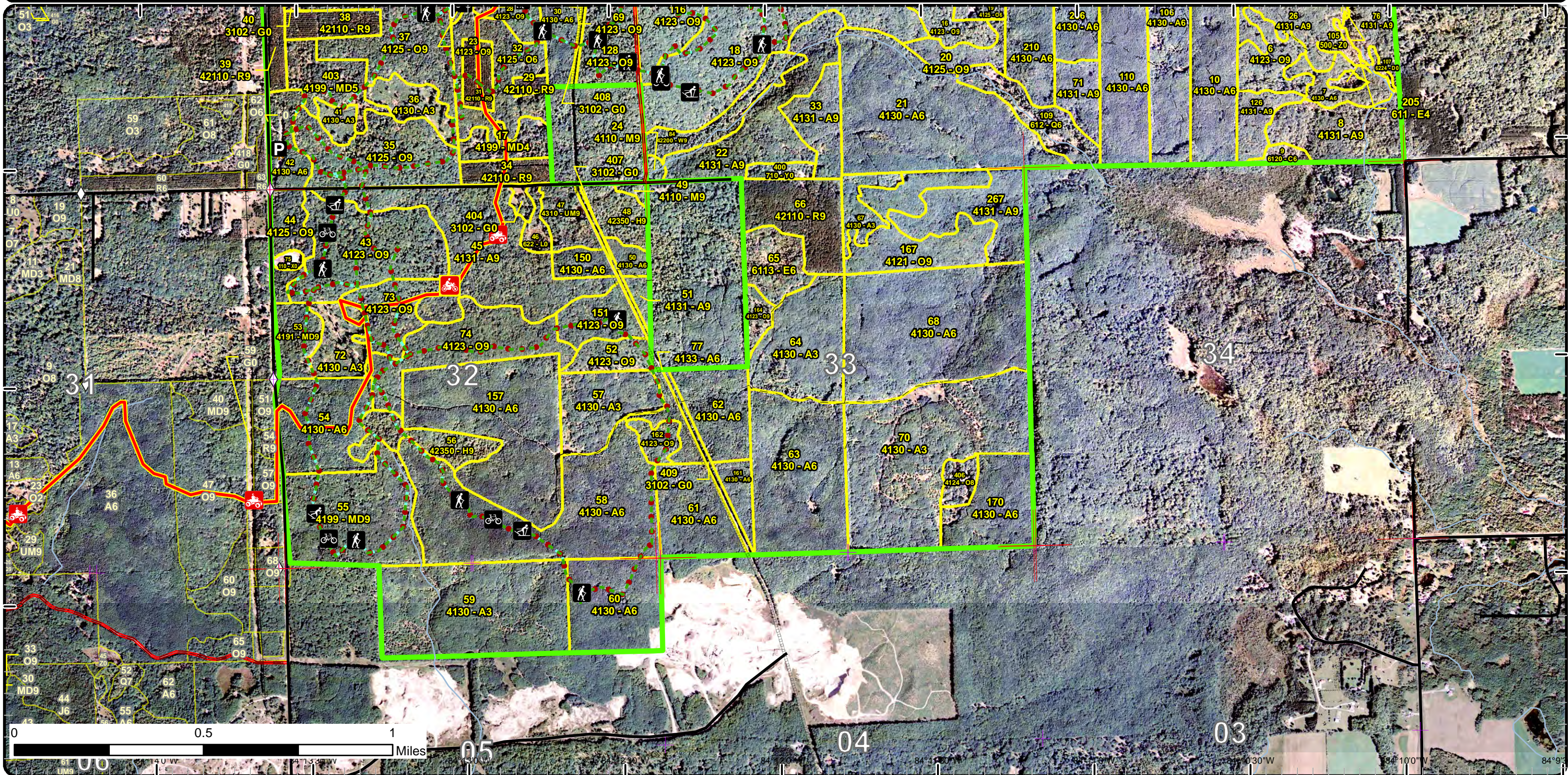


Stand Boundary Map

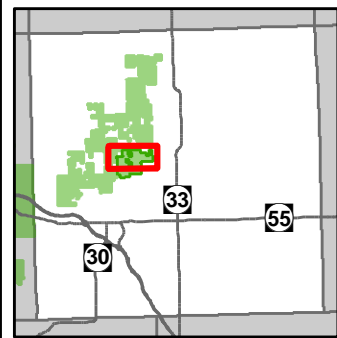


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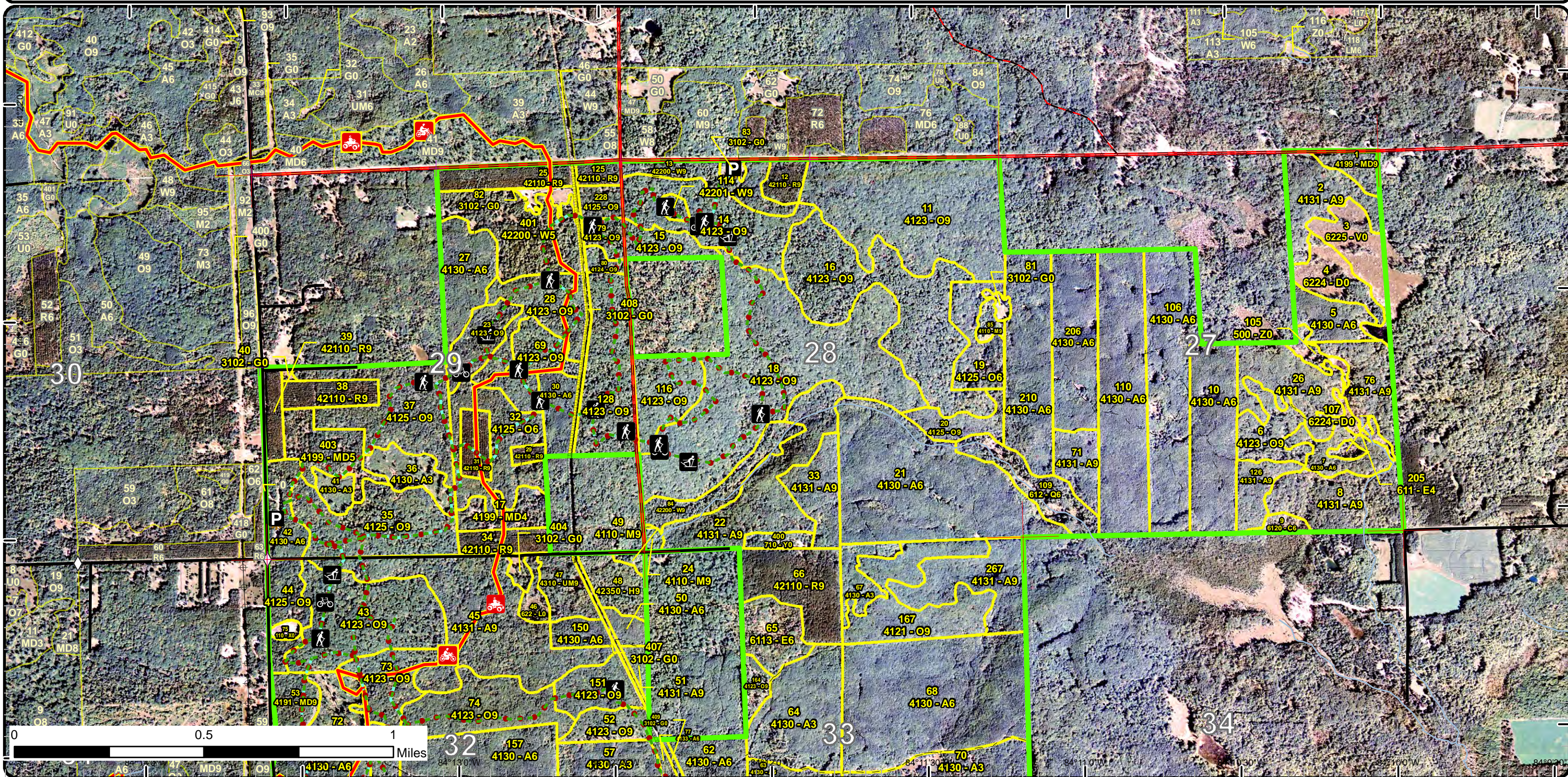


Stand Boundary Map



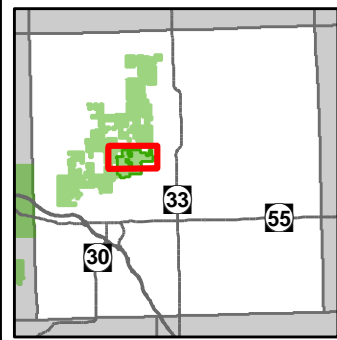
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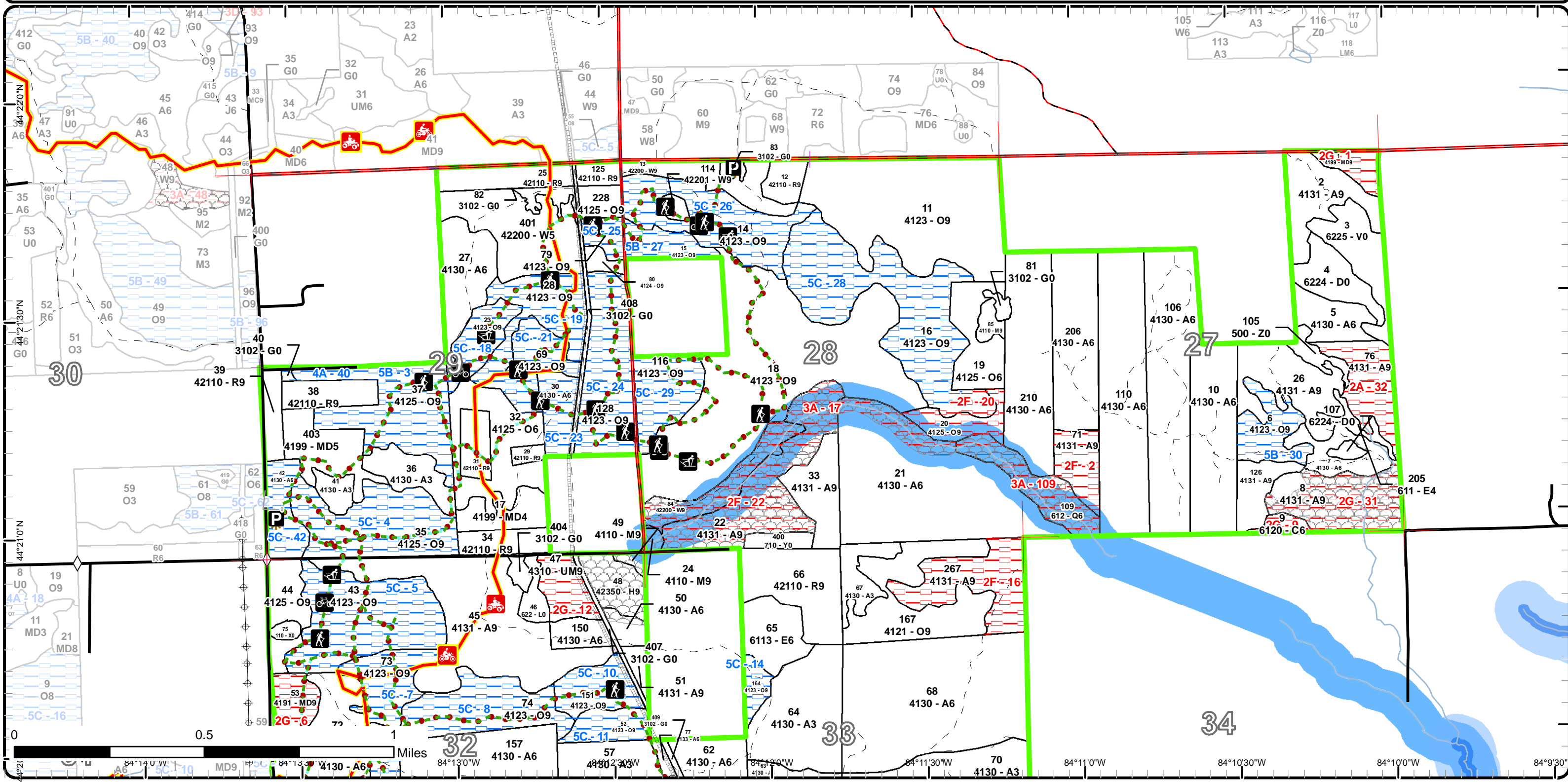


Special Conservation Areas & Site Conditions Map

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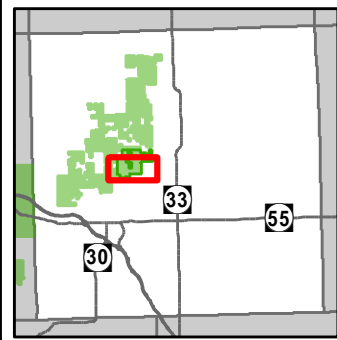


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Potential old growth / biodiversity
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams

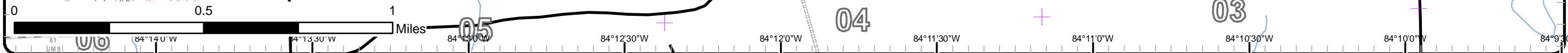
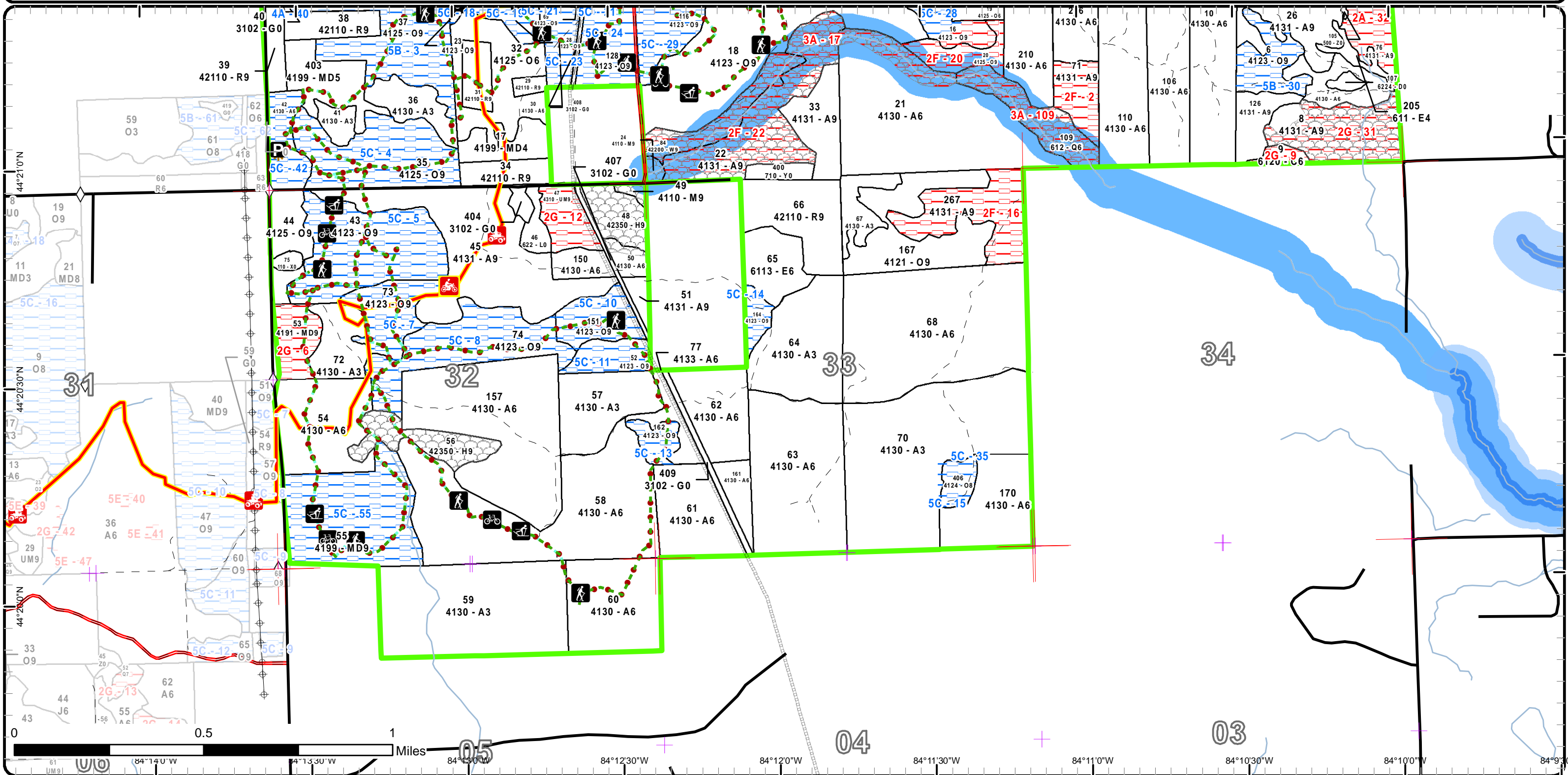


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Potential old growth / biodiversity
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 193 Year of Entry 2018



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	35	257	244	477	209	13	0	0	0	121	172	0	0	0	0	0	0	1528
Bog	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Cedar	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	13	17	0	0	0	0	30
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20
Lowland Deciduous	0	0	0	0	0	4	0	0	18	0	0	0	0	0	0	0	0	0	22
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	0	33	0	0	0	13	56	8	0	0	0	0	0	0	110
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Oak	0	0	0	0	0	31	19	6	14	0	105	493	187	0	0	0	0	0	855
Red Pine	0	0	0	0	0	42	19	7	31	0	0	0	0	0	0	0	0	0	99
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Treed Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	54	0	0	0	0	17	3	0	0	0	0	0	74
Total	79	35	257	244	477	319	105	13	63	13	282	735	203	17	0	0	0	0	2842



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 193
Total Compartment Acres: 2,838

Commercial Harvest - 428
Harvests with Site Condition - 0
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	174	0	0	0	0	0	0	0	0	174
Oak	39	0	0	0	0	216	0	0	0	255
Total	213	0	0	0	0	216	0	0	0	429

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	429	0	0	0	0	0	0	0	0	429
Next Step	0	0	0	0	0	0	342	0	0	342
Total	429	0	0	0	0	0	342	0	0	771



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
2	71193002-Cut	23.0	4131 - Aspen, Oak	Sawtimber Well	106	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand with retention. leave buffer around bog to the south. leave retention on east side along ridge and scattered large canopy oaks.

Specs: Use drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

7	71193007-Cut	13.1	4130 - Aspen	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest with adjacent stands. Use retention of aspen in a buffer around the bog. Leave 1-3 scattered large crowned healthy oak per acre

Specs: for mast. Apply drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

11	71193011-Cut	86.1	4123 - Red Oak	Sawtimber Well	106	111- 140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand down to 70-90 with best tree in place. Do not spec cut out aspen and red maple. Protect red maple and white pine understory.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

18	71193018-Cut	129.6	4123 - Red Oak	Sawtimber Well	111	81-110	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing poor formed and suppressed oak and maple. Mark for best tree in place. Do not spec cut red maple. Remove all aspen. Where aspen closes exist remove surrounding trees to create small aspen clearcut. Protect all regeneration within stand. Protect the ski trail with appropriate specs. Do not harvest during the winter ski season. Target 70-90 BA.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	71193026-Cut	27.8	4131 - Aspen, Oak	Sawtimber Well	96	141-170	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen. Leave retention in the form of islands of oak and aspen. Leave some scattered large crowned oaks for mast. Retention should also be applied on east edge before stand drops off into the creek. Also leave out any wet drainage that feed creek to the east. Apply drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at Fully Stocked levels.

Regen:

Other Possible survey needed

Comment:

Proposed Start Date: 10/01/2017

33	71193033-Cut	18.0	4131 - Aspen, Oak	Sawtimber Well	106	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen. Leave islands of oak and aspen for retention. Leave 1-3 scattered oak and pine per acre. Avoid steep slopes down to Klacking Creek valley. Apply drumming log spec. Trucking will be difficult and must go out to the south.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

45	71193045-Cut	72.1	4131 - Aspen, Oak	Sawtimber Well	96	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen. Leave islands of oak and aspen for retention. Focus oak retention on north and west parts of stand where oak is heavier and has less aspen component. Leave nice crowned white oak. Use drumming log spec. South end of stand is where rolling hills and terrain began. West edge of stand will meet old thinned oak stand. The ORV and ski trail run through this stand. Protect them with appropriate specs. Do not impact the trail during winter ski season.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and maple at fully stocked levels. Some oak regeneration may occur

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

77	71193077-Cut	8.4	4133 - Aspen, Mixed Pine	Poletimber Well	47	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut and manage for aspen. Leave a island of aspen and pine for retention. Leave 1-2 white pine per acre. Apply drumming log spec. Ski trail runs through this stand. Protect with appropriate specs. Do not harvest during winter ski season.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
126	71193126-Cut	11.6	4131 - Aspen, Oak	Sawtimber Well	101	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut stand and manage for aspen. Leave islands of oak and aspen for retention. Focus islands on steep terrain to avoid erosion issues.

Specs: Mark 1-3 oak trees per acre to leave. Apply drumming log spec and erosion control specs .

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

167	71193167-Cut	38.8	4121 - Oak, Aspen	Sawtimber Well	101	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for aspen regeneration. Leave scattered islands of aspen and oak for retention. Leave 1-3 large crowned oaks per

Specs: acre also. Focus islands on steep terrain to minimizes erosion. Use drumming log specs. There is a area in the NW part of the stand that is almost solid red oak leave that area for retention as it may not regenerate well

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 428.5**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 193
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions						
		With Condition				4A	5B	5C	2A	2F	2G	3A
1527	1351	28		147	Aspen			28	21	77	29	20
20	20	0		0	Bog							
4	0	0		4	Cedar						4	
31	31	0		0	Hemlock							
25	24	1		0	Herbaceous Openland	1						
20	0	0		20	Lowland Conifers							20
22	22	0		0	Lowland Deciduous							
5	5	0		0	Lowland Shrub							
110	33	56		21	Mixed Upland Deciduous			56			21	
8	8	0		0	Northern Hardwood							
854	328	510		16	Oak	5	65	440		16		
99	99	0		0	Red Pine							
5	5	0		0	Sand, Soil							
17	17	0		0	Treed Bog							
13	0	0		13	Upland Mixed Forest						13	
2	2	0		0	Urban							
5	5	0		0	Water							
73	56	0		17	White Pine					17		
2,838	2,006	595		237	Total Forested Acres	5	65	525	21	110	66	40
	71%	21%		8%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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2	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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Year of Entry: 2018

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2F: Too steep	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3A: Potential old growth / biodiversity	20	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

Compartment: 193
Year of Entry: 2018

19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2F: Too steep	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2F: Too steep	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 193
Year of Entry: 2018

25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
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31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2A: Adjacent landowner denied access	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	4A: No Markets Available for these Forest Products	5	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 193
Year of Entry: 2018

55	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	56	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
109	Unavailable	3A: Potential old growth / biodiversity	20	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							



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
	Potential Old Growth		SCA Removal	17
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				
	Potential Old Growth		SCA Removal	17
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				
	Potential Old Growth		SCA Removal	29
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				
	Potential Old Growth		SCA Removal	93
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				



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 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.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 193
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.7	106	81-110	Mixed aspen, maple stand that is cut off from ridge to the west and Pvt to the east. Stand is wetter along road and to the north east. several wet runs present.
2	4131 - Aspen, Oak	Sawtimber Well	23.0	106	111-140	Overmature stand of big tooth aspen and oak. Stand drops off steep ridge to the east. Rolling topography. Small wet pocket in the north west part of stand dominated by white pine.
5	4130 - Aspen	Poletimber Well	13.6	42	1-50	
6	4123 - Red Oak	Sawtimber Well	16.7	96	51-80	Stand is made up of lower quality red oak that had the aspen and red maple removed in 2000. Understory is now stocked with aspen and red maple regeneration.
7	4130 - Aspen	Poletimber Well	13.1	53	81-110	Stand of bigtooth aspen pole timber mixed with some red oak saw timber. Stand surrounds small bog.
8	4131 - Aspen, Oak	Sawtimber Well	32.0	101	81-110	Stand of high quality red oak and aspen. A creek that feeds Klacking Creek flows through the stand. Multiple intermittent streams and wet seeps are also present and flow south towards Klacking Creek. Soft soils and steep terrain would make harvesting this stand difficult.
9	6120 - Lowland Cedar	Poletimber Well	3.7	107	81-110	
10	4130 - Aspen	Poletimber Well	39.5	43	51-80	
11	4123 - Red Oak	Sawtimber Well	86.1	106	111-140	Good quality red oak mixed with red maple and some aspen. Old notes say that aspen was cut out in 1968. Rolling terrain. Average Ba of 120-140.
12	42110 - Planted Red Pine	Sawtimber Well	7.2	60	141-170	Stand was thinned in 1999 and again in 2009. 100 160. 140
13	42200 - Natural White Pine	Sawtimber Well	16.6	57	51-80	
14	4123 - Red Oak	Sawtimber Well	40.0	111	51-80	Oak and sugar maple stand that was thinned in 2009. Most areas are thick with good regeneration of hard maple, beech and cherry. Hold stand to allow understory become more established. Harvesting within this stand would cause significant damage to the advanced understory.
15	4123 - Red Oak	Sawtimber Well	10.5	111	81-110	High quality red oak stand mixed with sugar maple. Stand has a carpet of hard maple seedlings. THINNED JULY 2009
16	4123 - Red Oak	Sawtimber Well	74.2	97	81-110	Good quality red oak stand that was thinned in 2009.
17	4199 - Other Mixed Upland Deciduous	Poletimber Poor	12.6	46	1-50	

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 193
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4123 - Red Oak	Sawtimber Well	129.6	111	81-110	Large stand of variable quality oak on rolling topography. Most areas are of good quality red oak with some areas of black oak. Black oak is found primarily on the east side of the stand. Stand mixes with a northern hardwoods component on western side. One small cedar and hemlock drainage found on the sw side of stand. Ski trail runs trough stand. Stand averages 120BA170 130 110 110 120 130 100 130 130 90
19	4125 - Black, N. Pin Oak	Poletimber Well	18.7	51	51-80	
20	4125 - Black, N. Pin Oak	Sawtimber Well	11.2	106	111-140	Some areas of steep slope
21	4130 - Aspen	Poletimber Well	92.3	35	1-50	
22	4131 - Aspen, Oak	Sawtimber Well	43.9	106	81-110	Steep ravine that slopes towards Klacking Creek Valley.
23	4123 - Red Oak	Sawtimber Well	14.2	101	81-110	Oak stand with ravine running through it. Scattered sawtimber white pine.
24	4110 - Sugar Maple Association	Sawtimber Well	2.0	101	81-110	Small stand of Northern hardwoods. Klacking creek runs through stand.
25	42110 - Planted Red Pine	Sawtimber Well	14.1	57	111-140	Thinned in 1999 and summer of 09' 71-044-08-01. Old foundation on se side
26	4131 - Aspen, Oak	Sawtimber Well	27.8	96	141-170	Stand of high quality 95 + year old red oak and bigtooth aspen. Stand topography is made up of rolling hills and ridges.
27	4130 - Aspen	Poletimber Well	23.0	35	1-50	
28	4123 - Red Oak	Sawtimber Well	32.7	101	81-110	Variable stand of oak. Higher elevations have good quality red oak while lower areas in bowls or ravines have black oak with a higher amount of red maple. Some areas of black cherry.
29	42110 - Planted Red Pine	Sawtimber Well	2.6	48	111-140	Thinned 2009
30	4130 - Aspen	Poletimber Well	12.1	49	51-80	
31	42110 - Planted Red Pine	Sawtimber Well	9.0	48	111-140	-thinned 2009
32	4125 - Black, N. Pin Oak	Poletimber Well	31.3	44	1-50	Stand of younger oak with scattered sawtimber oak and white pine.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4131 - Aspen, Oak	Sawtimber Well	18.0	106	141-170	High quality red oak and Bigtooth aspen stand above Klacking Creek valley. Stand drops off sharply on north and west sides. Sugar maple, ironwood, beech and some maple leave viburnum found in small amounts in understory. South end of the stand has lower densities and aspen appears to be of a younger age class. Very difficult trucking access.
34	42110 - Planted Red Pine	Sawtimber Well	10.0	48	111-140	Thinned in 2009. East half of stand has little to no underscore. High quality red pine stand. Some areas of high BA.
35	4125 - Black, N. Pin Oak	Sawtimber Well	43.2	101	81-110	Cut early spring in 2009. 71-052-08-01
36	4130 - Aspen	Sapling Well	13.5	8	Immature	Cut spring 2009. 71-052-08-01
37	4125 - Black, N. Pin Oak	Sawtimber Well	42.8	101	81-110	Stand of old black oak mixed with heavy red maple poletimber. Some Poletimber red maple is into the canopy. Heavy red maple understory. Allow Red maple to advance into canopy.
38	42110 - Planted Red Pine	Sawtimber Well	11.5	48	111-140	thinned in 2009
39	42110 - Planted Red Pine	Sawtimber Well	8.9	48	111-140	OPIC - FMD: THINNED 1999, THIN TO 120 SF
41	4130 - Aspen	Sapling Well	5.5	8	Immature	Cut spring 2009. 71-052-08-01
42	4130 - Aspen	Poletimber Well	14.5	36	51-80	
43	4123 - Red Oak	Sawtimber Well	52.0	101	81-110	OPIC - FMD: Cut early spring in 2009. 71-052-08-01
44	4125 - Black, N. Pin Oak	Sawtimber Well	14.2	77	81-110	
45	4131 - Aspen, Oak	Sawtimber Well	72.1	96	81-110	Stand of overmature aspen and black oak. Some scattered black cherry and white oak saw timber. North Westside of the stand is heavier to oak and less aspen. Some scattered white pine
47	4310 - Pine, Oak Mix	Sawtimber Well	12.8	101	81-110	Mixed stand of upland ridges dominated by oak and white pine and lowland valleys dominated by hemlock.
48	42350 - Upland Hemlock	Sawtimber Well	13.2	112	81-110	Nice hemlock sawtimber stand. Headwaters of slacking creek.
49	4110 - Sugar Maple Association	Sawtimber Well	2.0	106	81-110	Heavy clay soils. Most hard maple is on north end along road.
50	4130 - Aspen	Poletimber Well	5.0	35	1-50	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	4131 - Aspen, Oak	Sawtimber Well	3.8	41	81-110	Bigtooth aspen poletimber stand wither a older oak component. Almost solid oak on far south end. Hold for at least 10years.
52	4123 - Red Oak	Sawtimber Well	11.0	106	81-110	Good quality oak stand that was thinned last entry. Red maple stump sprouts in understory.
53	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	13.2	86	111-140	Stand of oak, aspen and white pine. A couple acre clump of sawtimber white pine is found on higher water table in middle of the stand. A few small wet holes found also. Ski trail runs through stand.
54	4130 - Aspen	Poletimber Well	37.4	35	81-110	Nice poletimber stand of bigtooth aspen. some scattered white pine.
55	4199 - Other Mixed Upland Deciduous	Sawtimber Well	56.4	99	111-140	High quality red oak and Bigtooth aspen stand mixed with some super canopy red and white pine(possible legacy trees). Old fire scars found on large pine. Red maple has good form. Hemlock stand to the north drains through a intermittent creek on the east side of the stand along steep ravine. Ski trail runs throughtout stand.
56	42350 - Upland Hemlock	Sawtimber Well	17.4	126	141-170	
57	4130 - Aspen	Sapling Well	28.1	18	Immature	
58	4130 - Aspen	Poletimber Well	94.4	35	51-80	High quality aspen stand. Some birch, oak and white pine mixed in
59	4130 - Aspen	Sapling Well	77.7	17	Immature	Some areas heavy to red maple stump sprouts.
60	4130 - Aspen	Poletimber Well	39.2	36	51-80	
61	4130 - Aspen	Poletimber Well	28.9	27	Immature	
62	4130 - Aspen	Poletimber Well	25.0	47	81-110	Good quality aspen stand mixed with some oak. Some scattered black cherry and dead white ash. Would like to hold for 10 more years to take advantage of site quality and move stand to sawtimber size.
63	4130 - Aspen	Poletimber Well	66.0	35	1-50	
64	4130 - Aspen	Sapling Well	41.7	18	Immature	A3 stand with a small wet pocket dominated by mature maple oak and hemlock.
65	6113 - Lowland Maple	Poletimber Well	17.5	71	51-80	Primarily a red maple stand. Center of stand is wet and inoperable.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	42110 - Planted Red Pine	Sawtimber Well	30.9	77	141-170	Red pine plantation that was thinned 2entries ago. Steep terrain in NW corner. That area has never been thinned due to terrain. Clearcut next entry unless MA plan requires it to be restarted now.
67	4130 - Aspen	Sapling Well	10.7	18	Immature	CUT IN 1999
68	4130 - Aspen	Poletimber Well	97.5	35	1-50	Young pole timber bigtooth aspen stand.
69	4123 - Red Oak	Sawtimber Well	12.3	101	81-110	THINNED 2009/10
70	4130 - Aspen	Sapling Well	98.7	17	Immature	OPIC - FMD: GOOD A/O REGENERATION ,SOME FROST POCKETS ARE A2 OR O2
71	4131 - Aspen, Oak	Sawtimber Well	13.0	101	111-140	stand of good quality oak and aspen on a steep slope down to Klacking creek. Inoperable due to steep terrain.
72	4130 - Aspen	Sapling Well	16.0	8	Immature	Cut spring 2009. 71-052-08-01 primarily a big tooth aspen stand with scattered sawtimber size oak.
73	4123 - Red Oak	Sawtimber Well	20.1	106	81-110	Stand of oak mixed with red maple poletimber. Two small wet seeps within stand with some large white pine and a few hemlock. Ski trail runs through stand.
74	4123 - Red Oak	Sawtimber Well	41.4	106	81-110	High quality red oak stand mixed with red maple and aspen. A few areas are heavily to aspen. Scattered sugar maple present. Average ba runs about 110. Stand appears healthy and vigorous. Could be thinned or could wait till next entry.120 110 120120
76	4131 - Aspen, Oak	Sawtimber Well	20.8	96	111-140	
77	4133 - Aspen, Mixed Pine	Poletimber Well	8.4	47	81-110	Stand of primarily quaking aspen mixed with white pine. Some scattered maple and oak. More hardwoods north of two track.
79	4123 - Red Oak	Sawtimber Well	6.5	91	81-110	
80	4124 - Red with White Oak	Sawtimber Well	3.4	101	81-110	
84	42200 - Natural White Pine	Sawtimber Well	16.7	101	111-140	
85	4110 - Sugar Maple Association	Sawtimber Well	3.6	106	81-110	Small pocket of sugar maple. Used as a deer camp.
106	4130 - Aspen	Poletimber Well	58.8	26	Immature	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
109	612 - Lowland Coniferous Forest	Poletimber Well	19.9	106	81-110	
110	4130 - Aspen	Poletimber Well	61.4	43	51-80	
114	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	2.6	111	81-110	Small stand of large, tall white pine in a bowl.
116	4123 - Red Oak	Sawtimber Well	21.6	106	81-110	Thinned in 2010
125	42110 - Planted Red Pine	Sawtimber Well	4.6	57	111-140	Thinned in 1999 and 2009
126	4131 - Aspen, Oak	Sawtimber Well	11.6	101	141-170	High quality oak and aspen stand of steep terrain. Aspen is past maturity. Access is and skids will be difficult due to steep terrain.
128	4123 - Red Oak	Sawtimber Well	40.1	101	81-110	Stand was thinned in 2010
150	4130 - Aspen	Poletimber Well	7.4	35	1-50	
151	4123 - Red Oak	Sawtimber Well	16.1	106	81-110	Stand of primarily red oak and red maple. Most maple is in the poletimber class. Good amounts of witch hazel in the understory.
157	4130 - Aspen	Poletimber Well	80.8	24	Immature	Just entering pole timber class. Good amounts of scattered birch and oak.
161	4130 - Aspen	Poletimber Well	8.4	27	1-50	
162	4123 - Red Oak	Sawtimber Well	7.2	96	81-110	Small stand of red oak and maple.
164	4123 - Red Oak	Sawtimber Well	5.8	103	51-80	thinned 2009
167	4121 - Oak, Aspen	Sawtimber Well	38.8	101	141-170	Nice quality oak and aspen stand on hilly terrain. Some areas are heavier to aspen especially to the east.
170	4130 - Aspen	Poletimber Well	30.7	27	1-50	Just transitioning into a pole timber stand. Some scattered paper birch.
205	611 - Lowland Deciduous Forest	Poletimber Poor	4.2	42	1-50	
206	4130 - Aspen	Poletimber Well	36.6	26	1-50	

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 193
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
210	4130 - Aspen	Poletimber Well	44.9	43	51-80	Mixed stand of aspen, oak and maple. Rolling hills with some steep ridges. Some white pine present.
228	4125 - Black, N. Pin Oak	Sawtimber Well	6.2	61	51-80	
267	4131 - Aspen, Oak	Sawtimber Well	30.1	101	141-170	Good quality aspen and red oak stand. About a 50 50 mix of the two species with some red maple poles mixed in. Most of the stand is very hilly with some extremely steep ridges. Trucking Access is also steep and difficult. Most of the stand is inoperable.
401	42200 - Natural White Pine	Poletimber Medium	37.0	56	81-110	
403	4199 - Other Mixed Upland Deciduous	Poletimber Medium	20.3	41	1-50	Open grown stand of oak and cherry.
406	4124 - Red with White Oak	Sawtimber Medium	6.7	111	51-80	



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6225 - Bog	19.5	No	
4	6224 - Treed Bog	15.0	No	
40	3102 - Grass	0.6	No	
46	622 - Lowland Shrub	5.4	No	
75	110 - Low Intensity Urban	2.2	No	West Branch DNR Field Office
81	3102 - Grass	1.9	No	
82	3102 - Grass	4.3	No	Grass opening. Old home site.
83	3102 - Grass	1.9	No	
105	500 - Water	5.0	No	Creek with multiple beaver ponds.
107	6224 - Treed Bog	2.1	No	
400	710 - Sand, Soil	4.8	No	GRASSY OPENING WITH SAND PIT ON EAST END
404	3102 - Grass	2.8	No	
407	3102 - Grass	3.2	No	
408	3102 - Grass	5.1	No	OPIC - FMD: LAKEHEAD PIPELINE R.O.W.
409	3102 - Grass	5.0	No	