



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71030

Entry Year 2021

Acreage: 3,798

County Roscommon

Management Area: Houghton Lake Wetlands

Revision Date: 2019-06-14

Stand Examiner: Dale Ekdom

Legal Description:

T23N R02W Sections 7 & 18, T23N R03W Sections 10-17, 20, and 21

Identified Planning Goals:

Vegetation management in the Houghton Lake Wetlands management area (MA) will provide forest 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 balancing the aspen age-class distribution. 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 the next decade are the need to continue to balance aspen age-class distributions, an expected increase in recreation pressure and invasive species encroachment.

Soil and topography:

Terrain in the compartment ranges from flat to gently rolling in the western and southern areas of the compartment (Cut River Floodplain) to moderately hilly in the northern (Birch Hill) and eastern areas (9 Mile Hill) of the compartment. Soils in the upland areas of the compartment are primarily sandy soil types such as Graycalm, Klacking, Roselawn, and Rubicon sands or Newton loamy sand. Soils in the lowland areas of the compartment consist of Rifle peat, Wakely muck, and Tawas-Lupton muck.

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

This compartment is composed of large blocks of state land fragmented by large parcels of mostly forested private property and is bounded by I-75 on the east edge. The private parcels within and adjacent to the compartment range from permanent and seasonal residences on large acreages on the east end to permanent and seasonal residences in subdivisions on the west end. There is some agricultural use to the north-west of the compartment.

Unique Natural Features:

Bald eagle nesting sites along the Cut River. Rainbow Mussel and Slippershell Mussel found in the Cut River.

Archeological, Historical, and Cultural Features:

Known archaeological site in the southwest part of the compartment

Special Management Designations or Considerations:

Lansing Road has been designated as a Natural Beauty Road by the Roscommon County Road Commission.

Watershed and Fisheries Considerations:

The Cut River flows through the compartment. Backus Creek flows into the Cut River just to the south of the compartment. Houghton Lake is adjacent on the southwest of the compartment.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species as well as non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Three active sand & gravel operations are located just outside the compartment. All of the pits are associated with upland areas, whereas most of the compartment consists of swampy lowlands. There appears to be good sand & gravel potential on the uplands in the eastern end of the compartment and on Birch Hill in Sec 11. There has been no oil & gas production in this area. Some mineral rights within the compartment and much of the surrounding area are currently under lease. These leases were originally acquired by Marathon in a 2014 auction as they pursued unconventional development of the Lucas Formation (Richfield zone). Marathon has since abandoned their plans. Marathon's remaining leases were recently acquired by CORE Energy. It is not known whether CORE intends to develop the leases in this area or let them expire next year. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access to the compartment is variable. M-18 runs through the east part of the compartment. Lansing Road runs thru the north part of the compartment. Markey Road runs through the west end of the compartment. A significant part of the center of the compartment is roadless due to wet terrain along the Cut River and being landlocked by private property and terrain. Forest roads are abundant in the east end of the compartment but are scarce in the central and west end of the compartment due to the wet terrain.

Survey Needs:

Some survey needs noted during fieldwork.

Recreational Facilities and Opportunities:

No designated recreational facilities are within the compartment but there is lots of dispersed recreation activities due to the Cut River, good vehicle access to parts of the compartment, and proximity to private land in the area.

Fire Protection:

This compartment has no recent history of any significant fires, a low incidence of wildland-urban interface despite the moderate in-holdings in the center of the compartment, no large concentrations of high hazard fuel types, and numerous natural and man-made barriers to fire spread.

Additional Compartment Information:**The following reports from the Inventory are attached:**

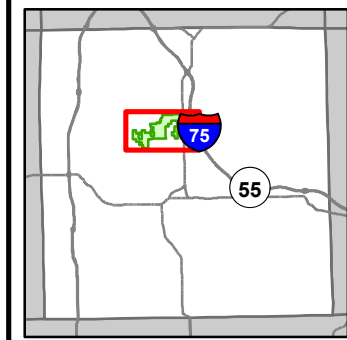
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

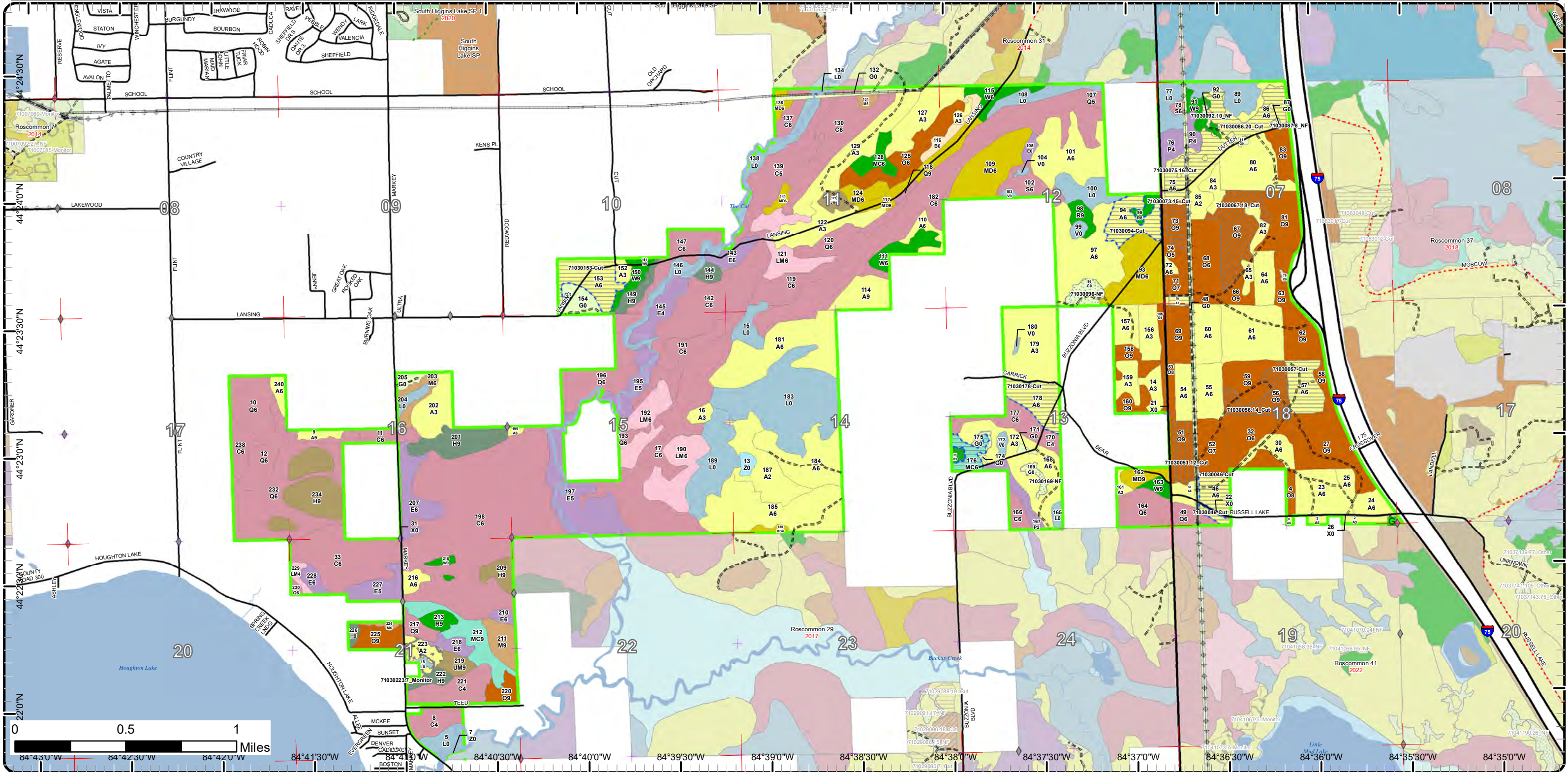
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 30
 T23N, R02W, Sec. 7, 18,
 T23N, R03W, Sec. 10-17, 21
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Houghton Lake
 Wetlands
 YOE: 2021
 Acres: 3,798 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 11/14/2019
 Map Phase: Post-Review

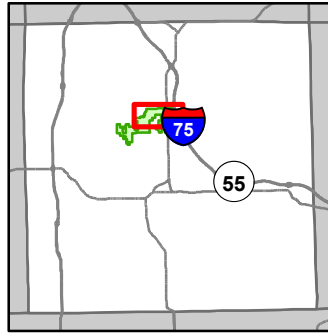


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- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Designated Hiking Trails
- Designated Ski Trails
- ▲ Berms
- G Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
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- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- Mowing
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- 412 - Oak Types
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- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

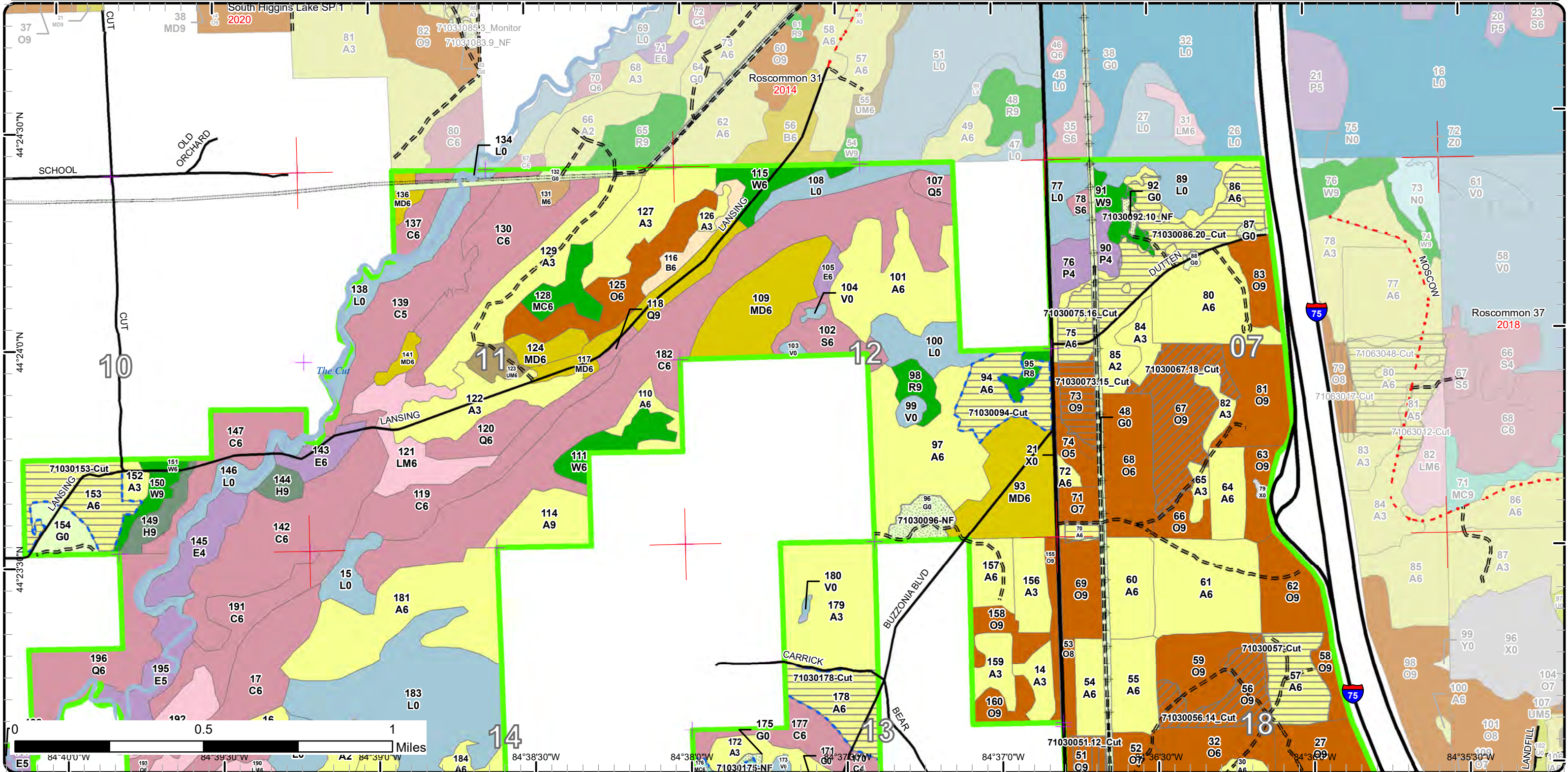


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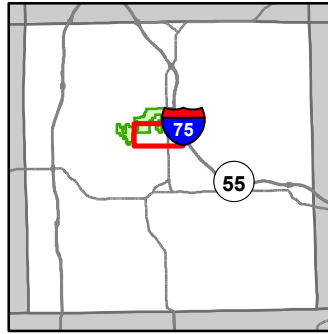


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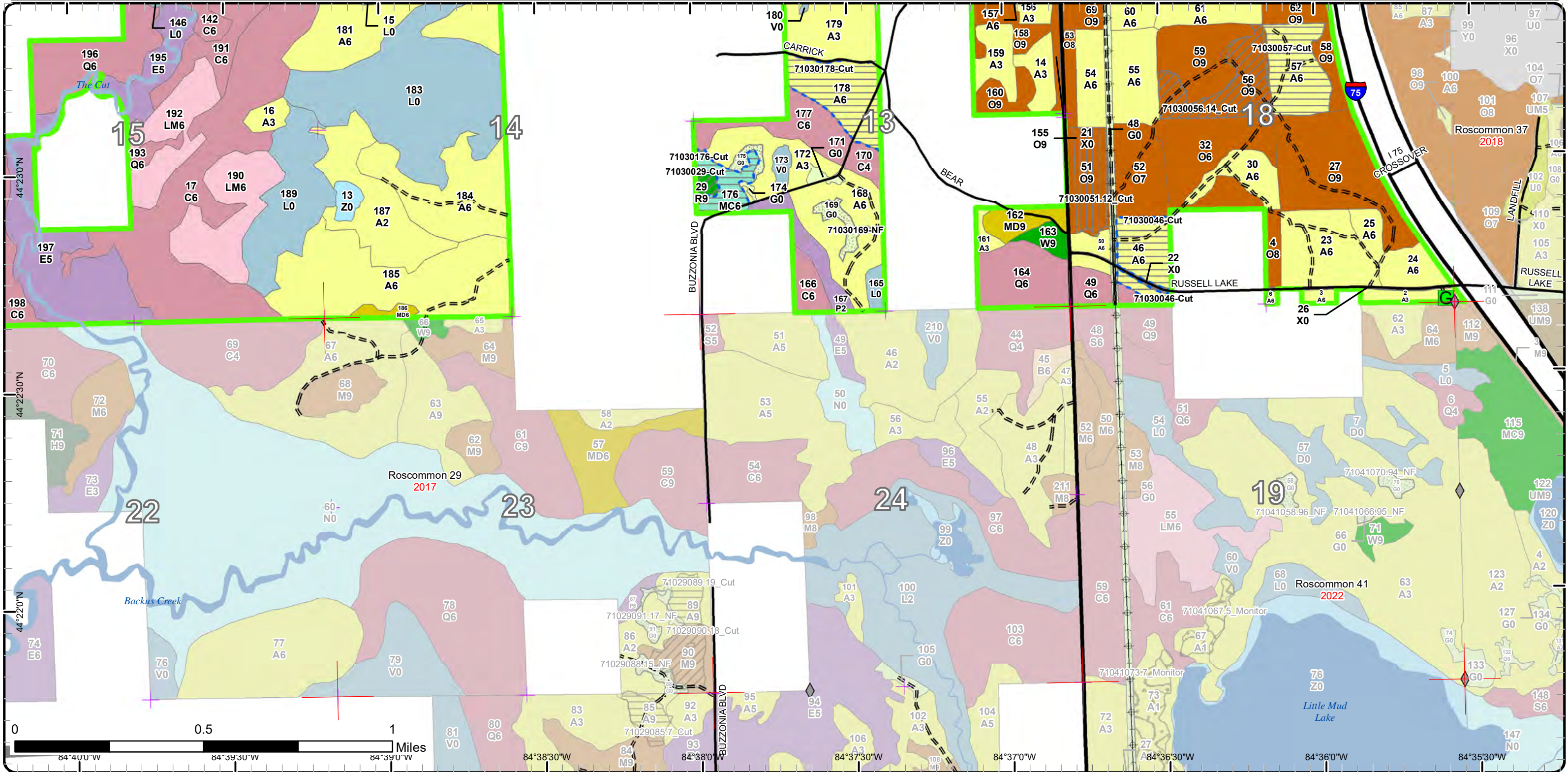


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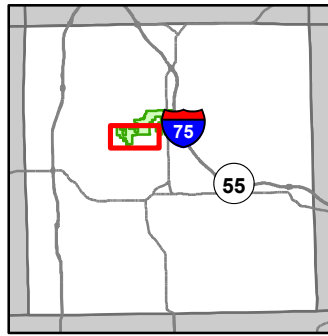


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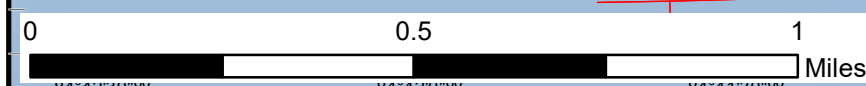
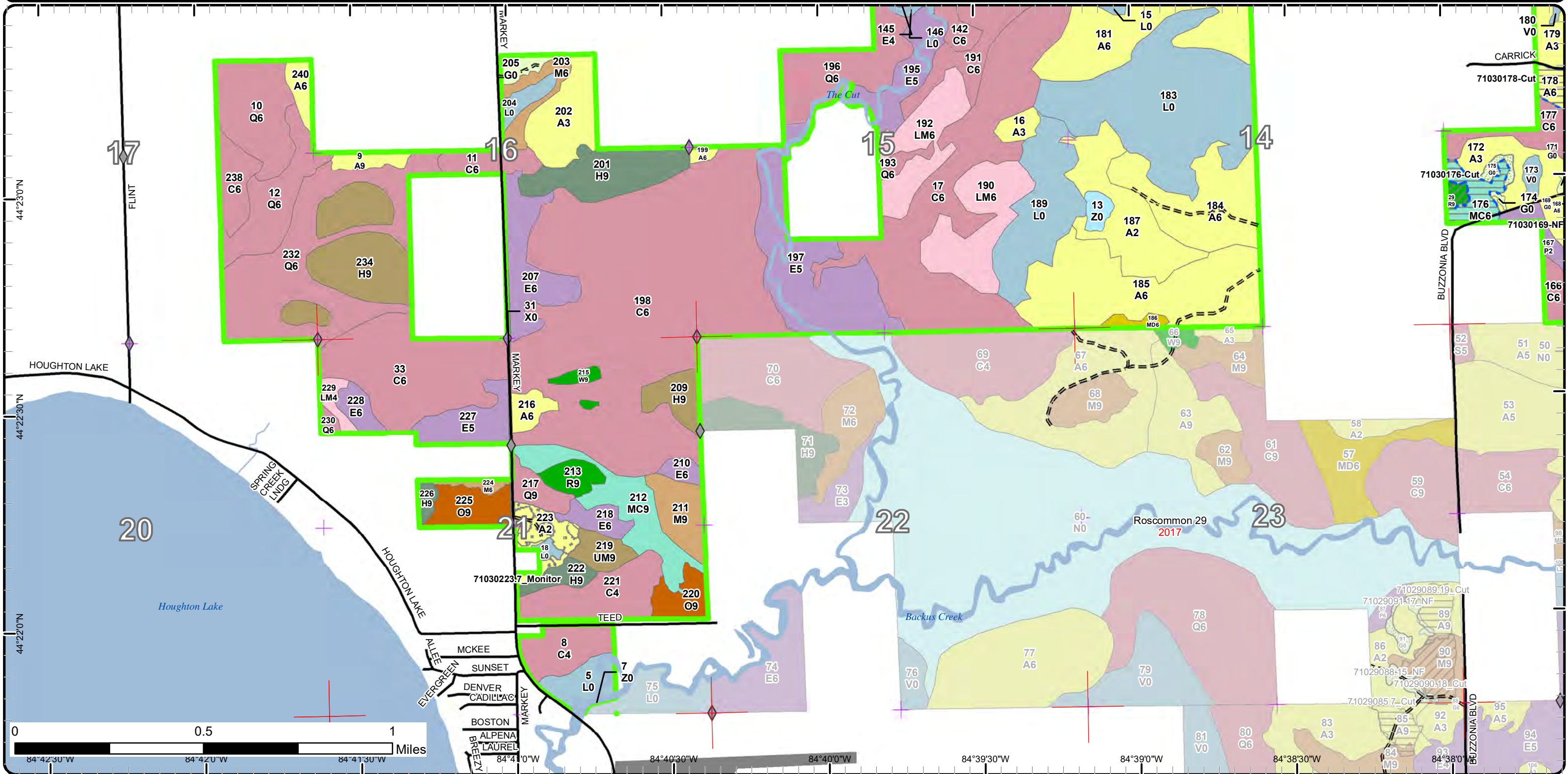


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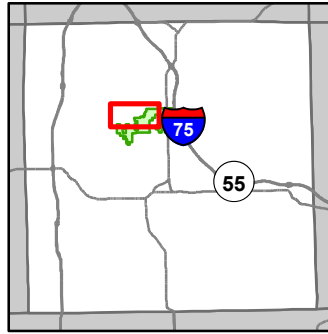
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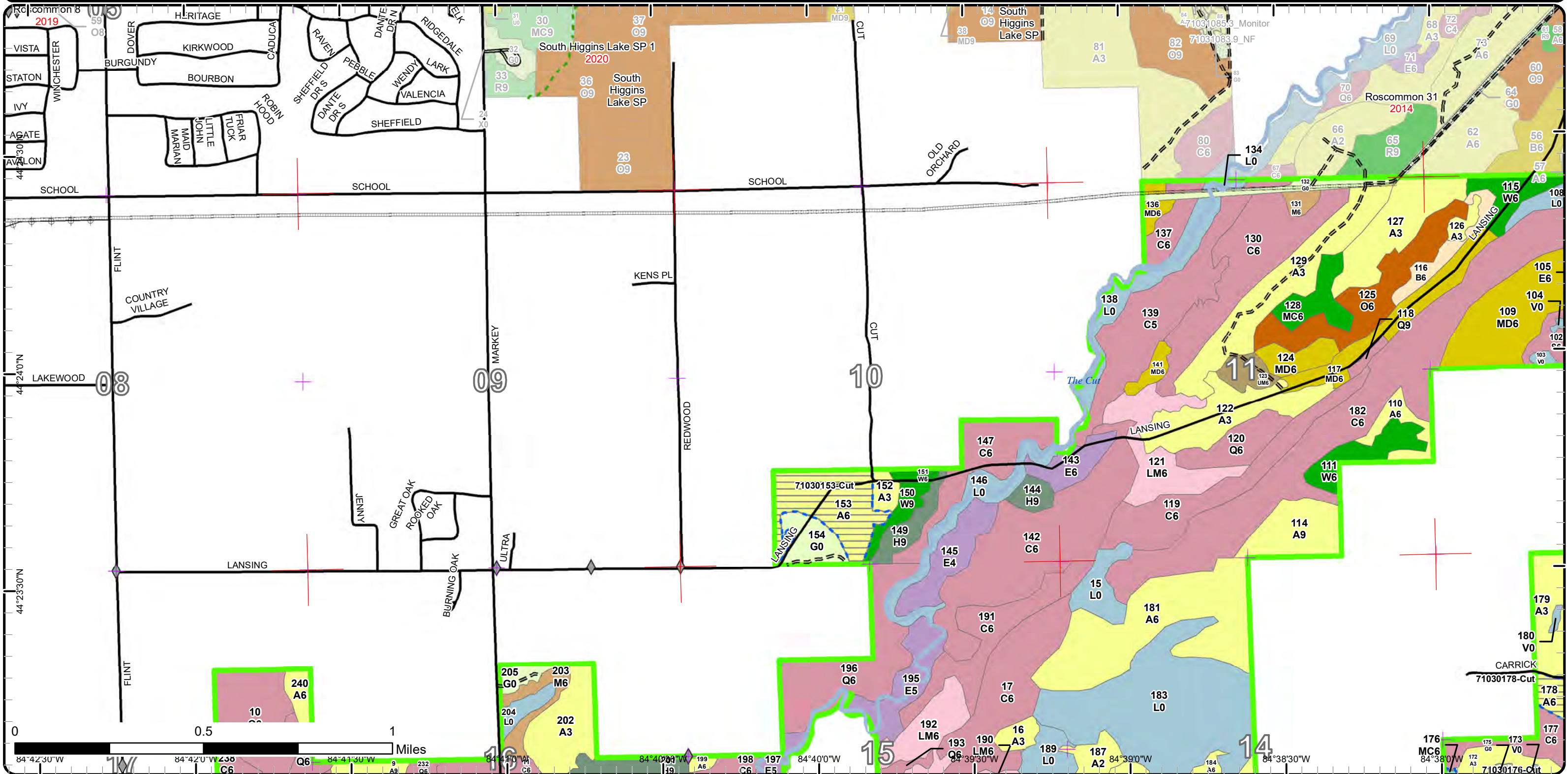
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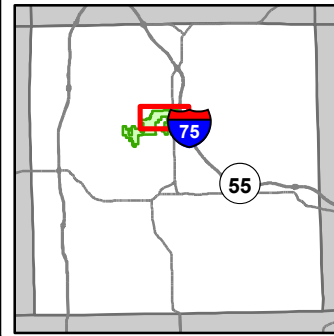


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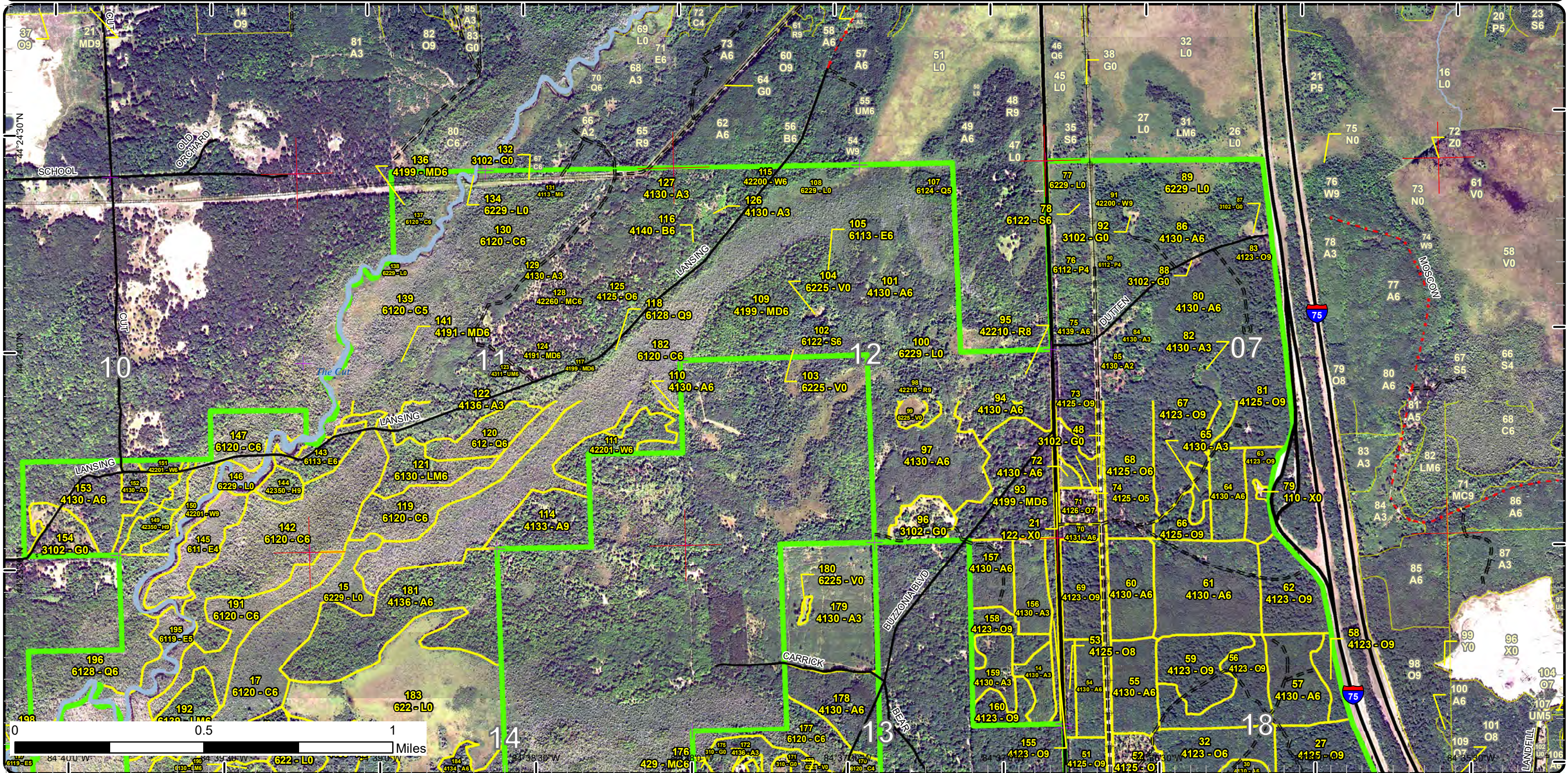
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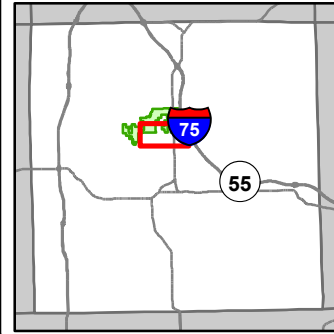
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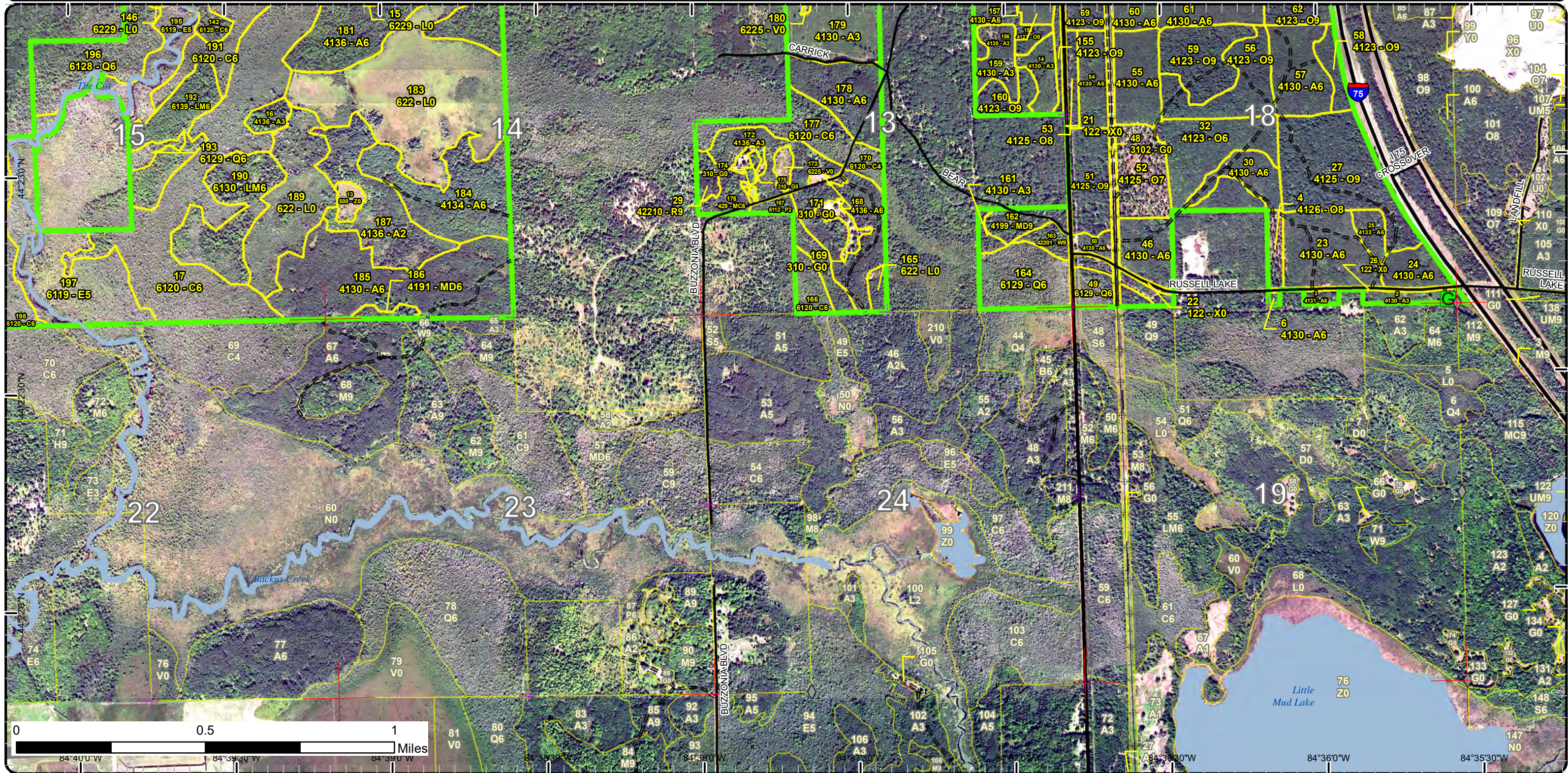


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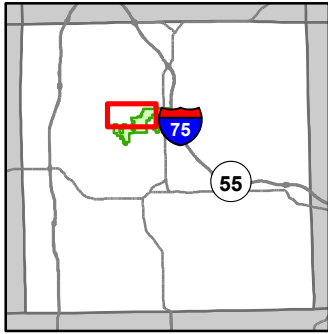


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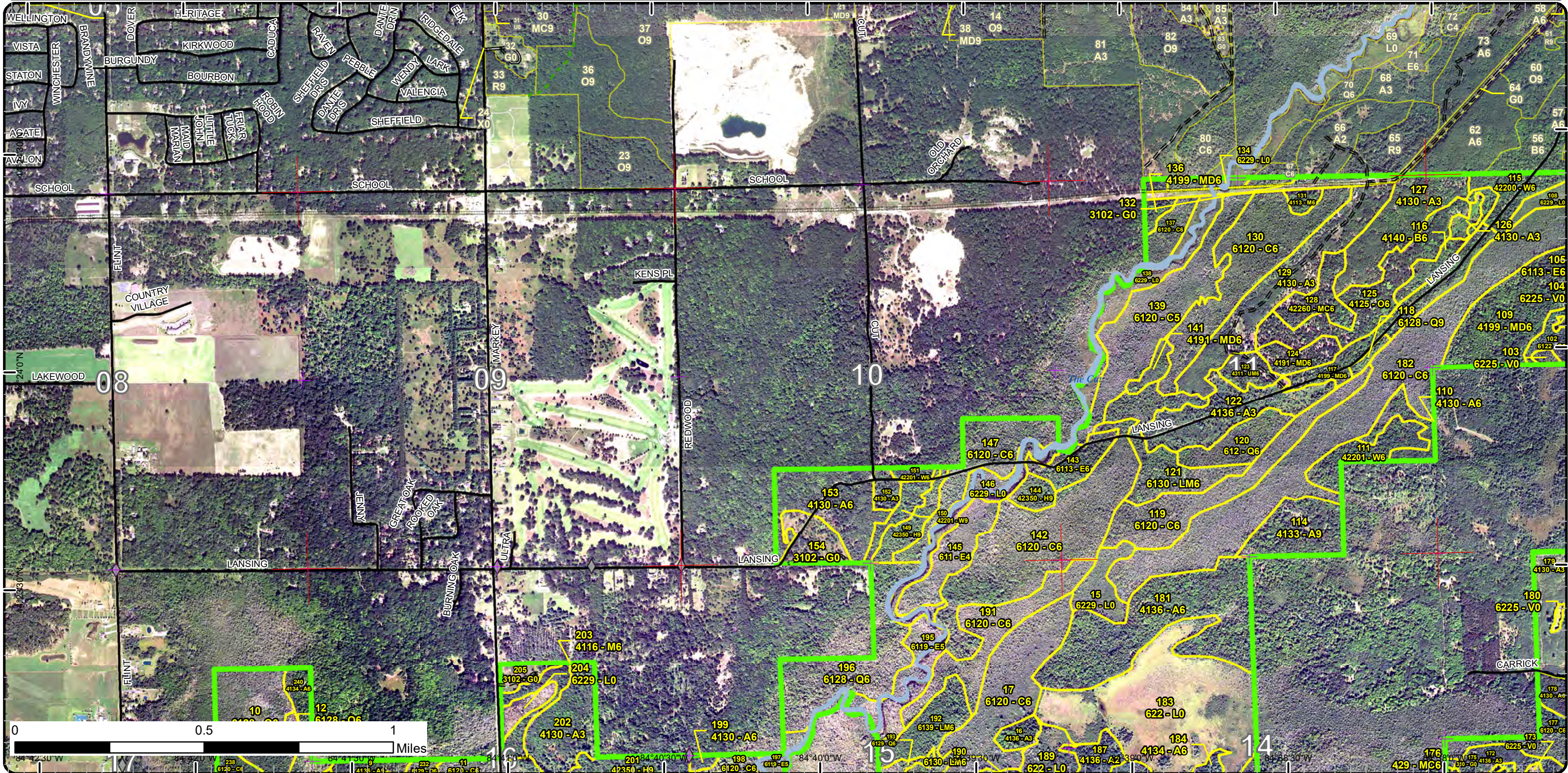


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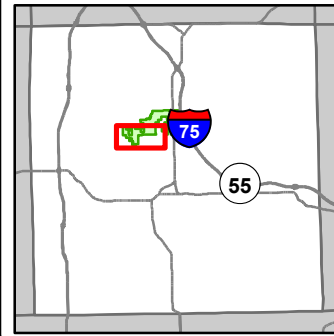


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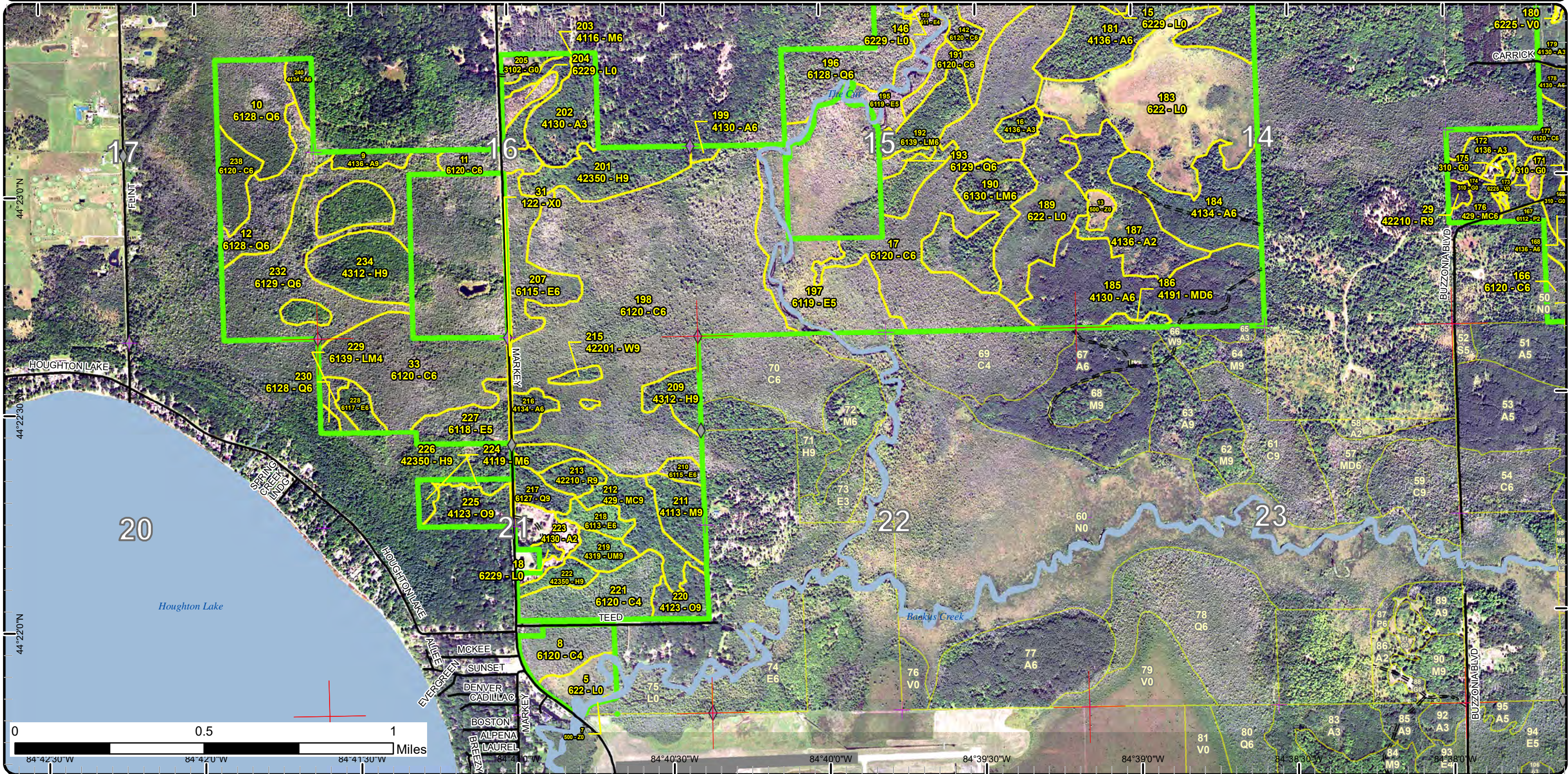
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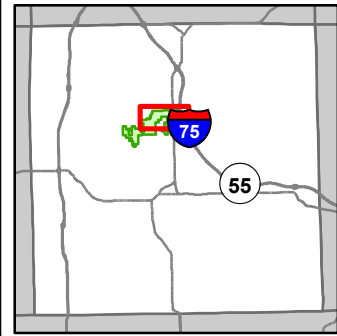
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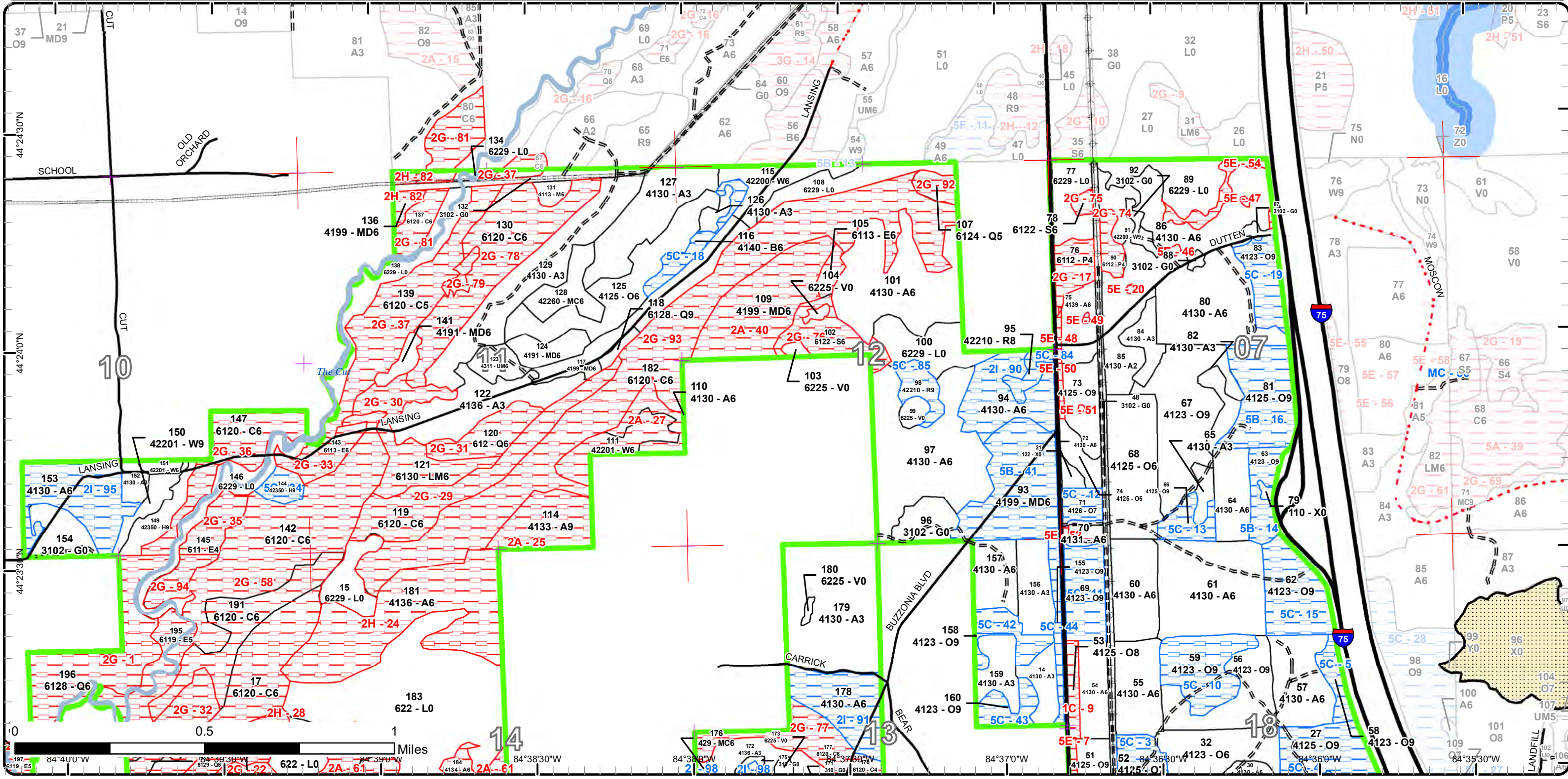


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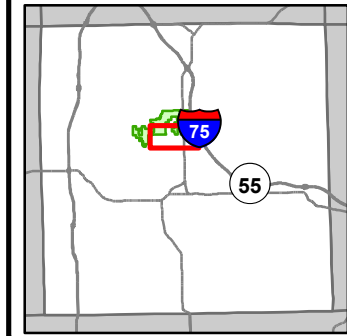


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 - Available w/ Constraints
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 - SCA
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - Sand or Gravel Pit
- 2I: Survey needed
 - 5B: Maintain for regeneration purposes
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
 - 1C: Other dept or div proc/practices
 - 2A: Adjacent landowner denied access
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 5E: Long-Term Retention

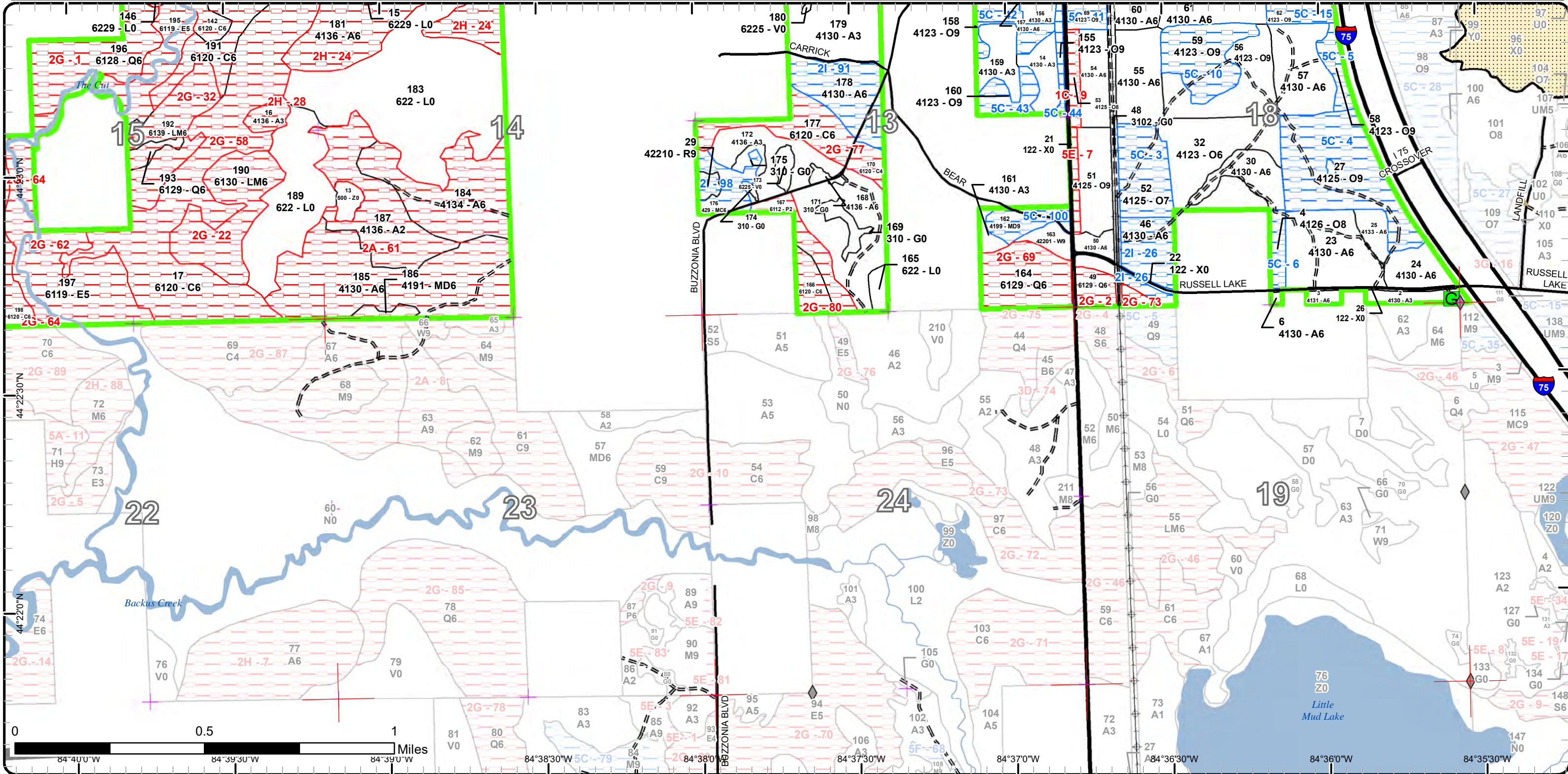


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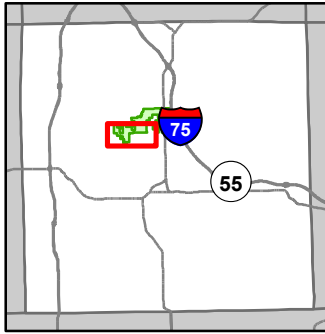


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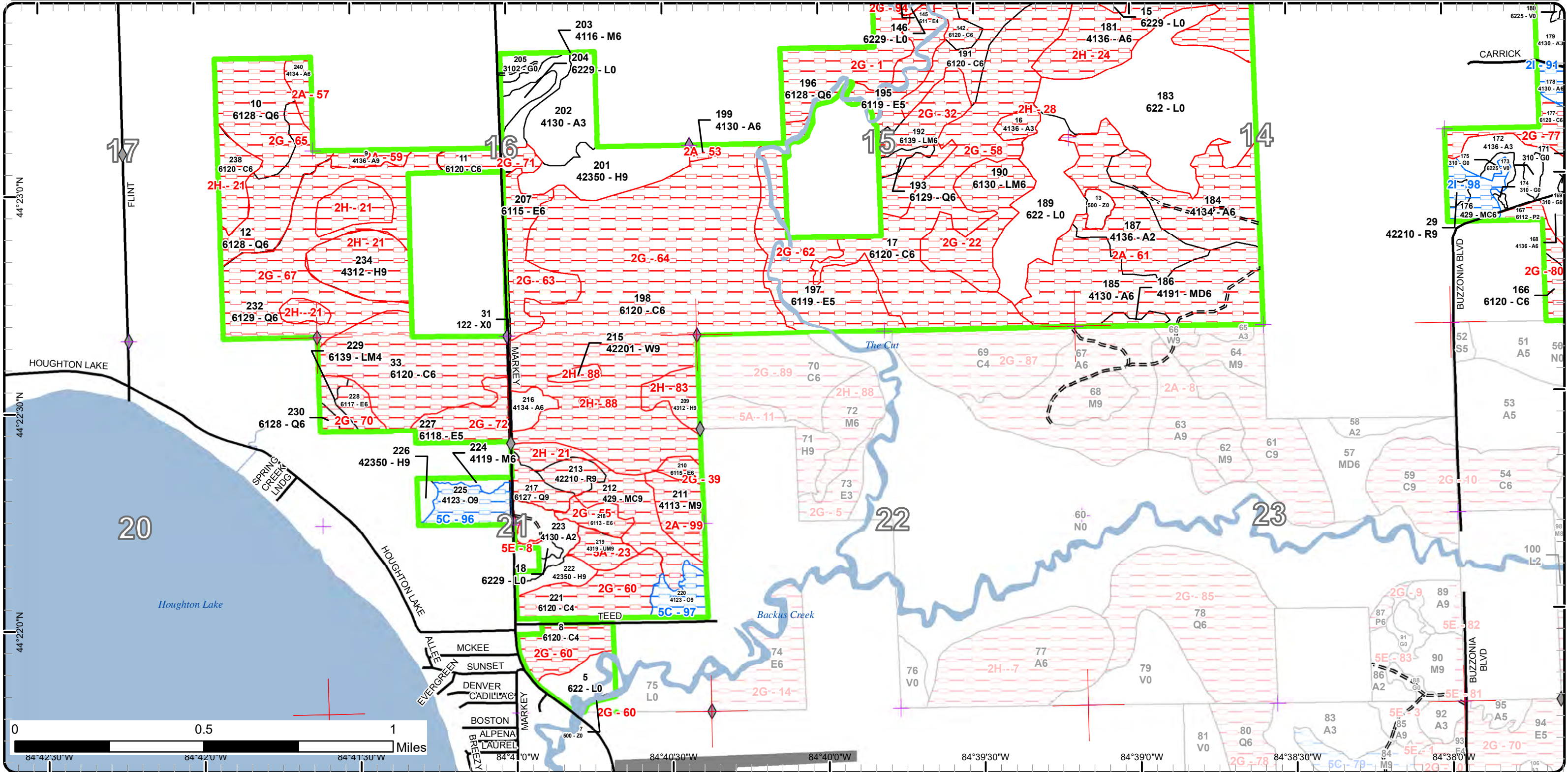


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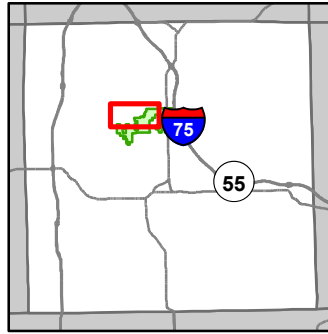


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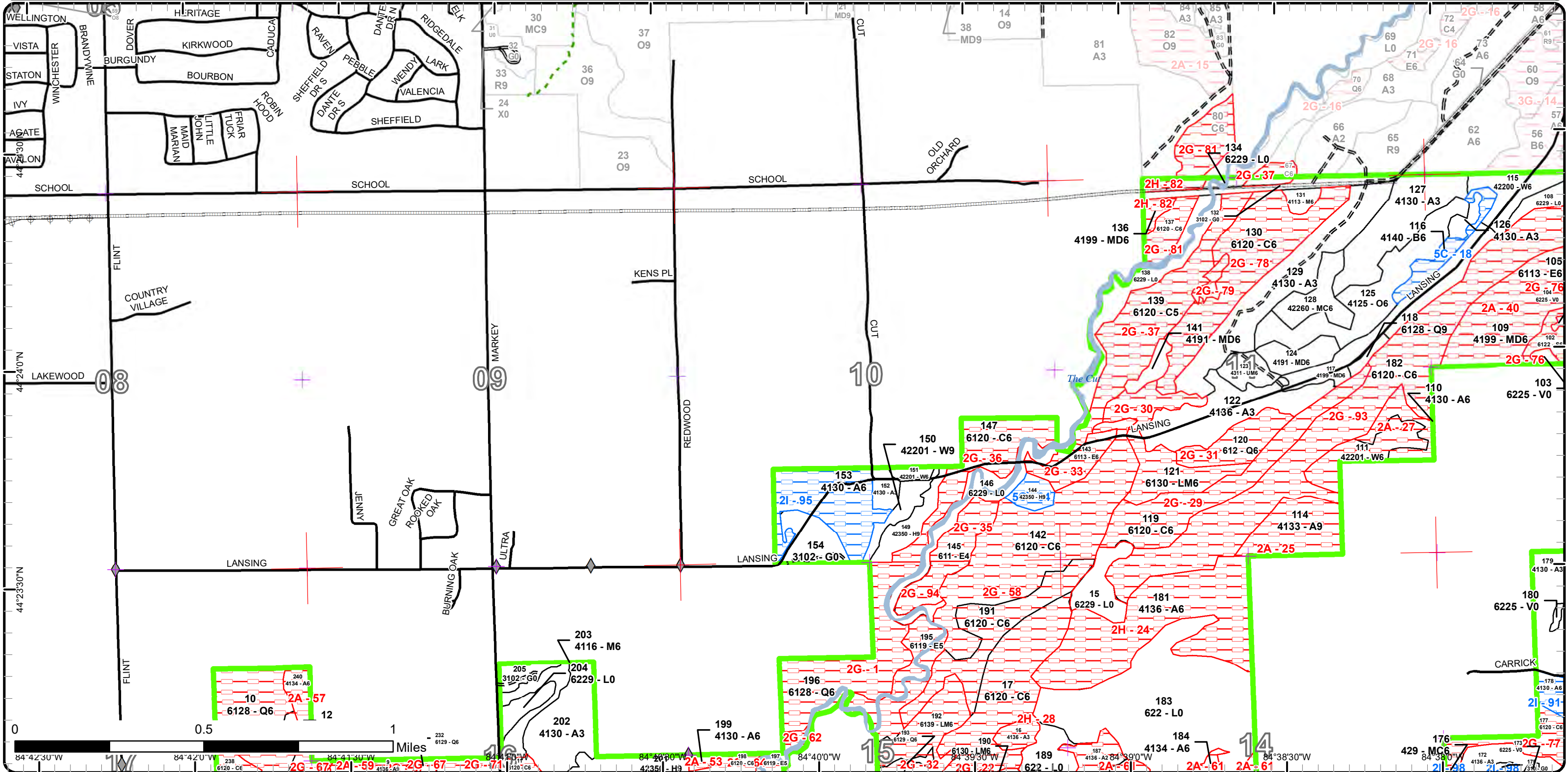


Special Conservation Areas

Compartment: 30
 T23N, R02W, Sec. 7, 18,
 T23N, R03W, Sec. 10-17, 21
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Houghton Lake
 Wetlands
 YOE: 2021
 Acres: 3,798 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 11/14/2019
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Designated Hiking Trails
- - - Designated Ski Trails
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	65	77	242	246	219	115	27	6	99	5	0	0	0	0	0	0	0	1100
Bog	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Cedar	0	0	0	0	0	0	0	0	52	353	34	70	275	117	0	0	0	0	901
Hemlock	0	0	0	0	0	0	0	0	0	9	92	0	0	0	0	0	5	0	106
Herbaceous Openland	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72
Lowland Aspen/Balsam Poplar	0	0	0	0	16	0	9	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Conifers	0	0	0	0	0	5	0	0	15	46	171	0	0	0	0	0	0	0	236
Lowland Deciduous	0	0	0	0	0	32	4	0	31	81	18	0	0	0	0	0	0	0	165
Lowland Mixed Forest	0	0	0	0	0	0	0	0	4	61	27	0	0	0	0	0	0	0	92
Lowland Shrub	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270
Lowland Spruce/Fir	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	0	0	4	0	70	8	0	9	40	0	0	0	0	0	131
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
Northern Hardwood	0	0	0	0	0	0	0	3	12	0	15	0	0	0	0	0	0	0	30
Oak	0	0	0	0	0	73	0	0	0	0	0	39	323	0	0	0	0	32	467
Paper Birch	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	8
Red Pine	0	0	0	0	0	0	0	0	12	2	7	0	0	0	0	0	0	0	21
Upland Conifers	0	0	0	0	0	0	0	0	0	10	28	0	0	0	0	0	0	0	38
Upland Mixed Forest	0	0	0	0	0	0	7	0	0	0	8	0	0	0	0	0	0	0	15
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
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	0	25	7	0	5	3	0	0	0	0	0	14	54
Total	377	65	77	242	262	329	157	55	218	669	410	121	638	117	0	0	5	58	3795



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 30
Total Compartment Acres: 3,798

Commercial Harvest - 186
Harvests with Site Condition - 91
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	173	0	0	0	0	0	0	0	0	173
Oak	12	0	0	0	16	63	0	0	0	91
Red Pine	0	0	0	0	0	2	0	0	0	2
Upland Conifers	10	0	0	0	0	0	0	0	0	10
Total	196	0	0	0	16	66	0	0	0	277

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	277	0	0	0	0	0	11	0	20	309
Next Step	0	0	0	0	0	0	211	0	20	231
Total	277	0	0	0	0	0	223	0	40	540



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	Habitat Cut
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Approved Treatments:

29	71030029-Cut	2.4	42210 - Natural Red Pine	Sawtimber Well	89	141- 170	Harvest	Low Thinning	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> thin stand from below by removing 1/3rd of the volume, remove suppressed and defect red pine first and then mark to target BA of 120 SF, <u>Specs:</u> cut hardwoods via marking but retain them where they will damage pine if they are removed.</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020</p>											
46	71030046-Cut	17.9	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> consider stand for regenerating aspen to meet MA guidelines for age class distribution if necessary. Save all the oak and leave out the oak <u>Specs:</u> pocket on the north end. Leave a island of aspen for retention or leave part south of Russell Lake Road for retention.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of aspen and other species to a fully stocked stand <u>Regen:</u></p> <p><u>Other</u> Add brush pile and drumming log specs <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020</p>											
51	71030051.12_ Cut	15.7	4125 - Black, N. Pin Oak	Sawtimber Well	113	111- 140	Harvest	Shelterwood	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Shelterwood stand leaving 50-70 BA of good crowned oak. Protect maple and white pine understory. Manage for maple and pine <u>Specs:</u> understory.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of maple, oak and pine at fully stocked levels. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2017</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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56	71030056.14_Cut	22.9	4123 - Red Oak	Sawtimber Well	113	111-140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
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Prescription Thin stand to promote growth on quality red oak sawtimber. Target 70-80 BA. Remove high risk, suppressed and poor formed oak and maple. Protect pine understory.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

57	71030057-Cut	22.2	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription consider for treatment if needed for aspen age class distribution within the Management Area. Leave islands of aspen for retention. Leave all oak.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Any combination of aspen and other species to a fully stocked stand

Regen:

Other

Add brush pile and drumming log specs

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

67	71030067.18_Cut	40.4	4123 - Red Oak	Sawtimber Well	113	81-110	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
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Prescription Thin stand down to 70-80 basal area. Remove poor formed and suppressed oak. Favor keeping large crowned healthy trees for mast production. Protect understory during harvest operations.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

70	71030070.19_Cut	2.8	4131 - Aspen, Oak	Poletimber Well	63	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with 2" spec. No aspen retention due to the size. Possibly leave a few healthy oak.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Aspen at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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73	71030073.15_ Cut	11.9	4125 - Black, N. Pin Oak	Sawtimber Well	101	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand and manage for a mix of oak, aspen and maple. Save and protect existing advanced oak regeneration. Leave retention on the south end where the oak regeneration is already high and oak overstory is sparse.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen, oak and maple at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

75	71030075.16_ Cut	10.0	4139 - Aspen, Mixed Deciduous	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with reserves. Leave large diameter, wind firm white pine. Leave an island of aspen for retention. Use the brush pile and drumming log spec. Apply brush piles along north edge.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

86	71030086.20_ Cut	41.7	4130 - Aspen	Poletimber Well	59	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand. Leave pine component for cover and structure. Leave islands of aspen and pine for retention. Lower areas could cause operability during wet times of the year. Apply brush pile and drumming log spec. Focus brush piles along the north side of stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen to fully stocked levels

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

87	71030087.8_N F	1.6	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 14.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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92	71030092.10_NF	1.5	3102 - Grass	Nonstocked		NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 13.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2017

94	71030094-Cut	24.2	4130 - Aspen	Poletimber Well	67	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand and manage for aspen. Leave a island of aspen, oak, and/or white pine for retention and possibly leave smaller pines/conifers along M-18 for visual. Use drumming log and brush pile specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

May need a survey

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

96	71030096-NF	10.4	3102 - Grass	Nonstocked		NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 7

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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153	71030153-Cut	30.2	4130 - Aspen	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand. Leave islands of aspen for retention. Focus aspen retention where there are conifers mixed in. Mark good formed white oak and healthier black oak for mast sources. Save 1-3 white pine/acre where possible. Possibly leave out area along west fence line or cut to establish private/state boundary Use drumming log and brush pile specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of aspen and other species to a fully stocked stand</p> <p><u>Other Comment:</u> May need survey.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											

169	71030169-NF	4.3	310 - Herbaceous Openland	Nonstocked			Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland	No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 9.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											

175	71030175-NF	2.4	310 - Herbaceous Openland	Nonstocked				NonForestMgt	Mowing	310 - Herbaceous Openland	No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 8</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
176 71030176-Cut	10.3	429 - Mixed Upland Conifers	Poletimber Well	89	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> final harvest and manage for a mixed stand, should get some aspen sprouting but leave tops (especially conifer tops) for seed source, dormant season cut on dry or frozen ground cut due to age of aspen and water table close to the surface, plant red pine if aspen and conifers do not regenerate. may need survey.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any combination of species to a fully stocked stand</p> <p><u>Regen:</u></p> <p><u>Other</u> leave the part south of the county road and/or buffer edges of grassy openings for retention</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
178 71030178-Cut	24.3	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> clearcut for aspen management, leave a couple of islands for retention/visual close to the roads, use drumming log and rabbitat specs</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any combination of species to a fully stcked stand</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
223 71030223.7_M onitor	11.4	4130 - Aspen	Sapling Medium	4	Immature	Monitoring	Natural Regen (Re-Inventory)	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> monitor for aspen and other regeneration</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any mix of aspen and other species to a fully stocked stand</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/26/2017</p>										

Total Treatment 308.5
Acres Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dale Ekdom : Examiner

Compartment: 30
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				2I	5B	5C	1C	2A	2G	2H	5A	5E	
1102	732	97		273	Aspen	97	0	0		192	0	70	0	10	
10	10	0		0	Bog					0					
900	0	0		900	Cedar					888	13				
106	46	5		54	Hemlock			5		0	54	0			
72	72	0		0	Herbaceous Openland			0		0	0			0	
25	0	0		25	Lowland Aspen/Balsam Poplar					25					
236	2	0		234	Lowland Conifers				0	226	8				
165	0	0		165	Lowland Deciduous					165	0	0			
92	0	0		92	Lowland Mixed Forest					92					
270	270	0		0	Lowland Shrub			0	0	0	0			0	
18	0	0		18	Lowland Spruce/Fir				0	18					
131	35	49		47	Mixed Upland Deciduous		40	9		43	0	4			
12	12	0		0	Natural Mixed Pines										
30	15	0		15	Northern Hardwood					15	0				
467	200	257		10	Oak		39	219	5		0			5	
8	0	8		0	Paper Birch			8							
22	0	15		7	Red Pine	2		12				7			
38	0	10		28	Upland Conifers	10				0	28				
15	7	0		8	Upland Mixed Forest								8		
21	16	0		4	Urban		0	0	0		3	0		0	
5	5	0		0	Water					0					
54	36	0		18	White Pine					14	0	3			
3,798	1,459	442		1,897	Total Forested Acres	109	79	254	5	264	1,416	188	8	15	
	38%	12%		50%	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)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdor : Examiner

Compartment: 30

Year of Entry: 2021

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

14	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 30

Year of Entry: 2021

20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	100	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5A: Not able to obtain desirable regeneration	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	65	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments: blocked by terrain and private property							
25	Unavailable	2A: Adjacent landowner denied access	21	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2I: Survey needed	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

26	Available	2I: Survey needed	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2A: Adjacent landowner denied access	23	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdorn : Examiner

Year of Entry: 2021

32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified
Comments: deer habitat							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2A: Adjacent landowner denied access	40	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	5B: Maintain for regeneration purposes	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdor : Examiner

Year of Entry: 2021

44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdom : Examiner

Compartment: 30

Year of Entry: 2021

52	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	2A: Adjacent landowner denied access	2	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Available	Minor Change in Acreage	0				
Comments:							
57	Unavailable	2A: Adjacent landowner denied access	6	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdom : Examiner

Compartment: 30

Year of Entry: 2021

58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	201	Unspecified	Unspecified	Unspecified	Unspecified
Comments: deer habitat							
59	Unavailable	2A: Adjacent landowner denied access	5	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2A: Adjacent landowner denied access	153	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: blocked by private property and wet terrain							
62	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cut River floodplain							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdorn : Examiner

Year of Entry: 2021

63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	304	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	71	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdorn : Examiner

Year of Entry: 2021

70	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
71	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
72	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
73	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
74	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdorn : Examiner

Year of Entry: 2021

75	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
77	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: natural drainage area							
78	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
79	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdor : Examiner

Compartment: 30

Year of Entry: 2021

80	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
81	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified
Comments:							
82	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
83	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
84	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

85	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
88	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
90	Available	2I: Survey needed	24				
Comments: check survey info							
91	Available	2I: Survey needed	24				
Comments: check for survey info							
92	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
93	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	137	Unspecified	Unspecified	Unspecified	Unspecified
Comments: deer habitat							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 30

Dale Ekdorn : Examiner

Year of Entry: 2021

94	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
95	Available	2I: Survey needed	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
96	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
97	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
98	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
99	Unavailable	2A: Adjacent landowner denied access	15	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: blocked by private property and wet terrain							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 30

Year of Entry: 2021

100	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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
----------	--------------	-------------	----------------	-------

Comments

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
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
2	4130 - Aspen	Sapling Well	5.6	13	Immature	N/A																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Sapling</td> <td>1</td> <td>13</td> </tr> <tr> <td>Red Maple</td> <td>8</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Sapling	1	13	Red Maple	8	Sapling	1																												
Canopy Species	% Cover	Size Class	DBH	Age																																							
Quaking Aspen	90	Sapling	1	13																																							
Red Maple	8	Sapling	1																																								
3	4131 - Aspen, Oak	Poletimber Well	2.1	33	51-80	N/A	Small acreage. Thin, narrow, highly visible sensitive area along private property between private property and the road.																																				
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4	4126 - White, Black, N. Pin Oak	Sawtimber Medium	5.5	113	1-50	N/A	Stand was shelterwood cut last entry.																																				
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5	622 - Lowland Shrub	Nonstocked	11.9			No																																					
6	4130 - Aspen	Poletimber Well	0.6	33	51-80	N/A	OPIC - FMD: Small acreage. Thin, narrow, highly visible sensitive area along private property between pvt boundary and the road.																																				
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Black/Red (Hybrid) Oak	Trace	Variable	Sapling																																								
7	500 - Water	Nonstocked	0.7			No	Cut River																																				
8	6120 - Lowland Cedar	Poletimber Poor	17.2	77	51-80	N/A	small diameter cedar and black ash mixed with heavy tag alder and balsam fir. black ash dying out. very wet.																																				
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Tag Alder	High	5 - 10 feet	Tall Shrub																																								
9	4136 - Aspen, Mixed Conifer	Sawtimber Well	5.4	92		N/A																																					
10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	31.9	92		N/A																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
11	6120 - Lowland Cedar	Poletimber Well	10.6	92		N/A	low, wet cedar swamp																																
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Tag Alder	Medium	5 - 10 feet	Tall Shrub																																				
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12	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	26.0	92		N/A																																	
13	500 - Water	Nonstocked	3.9	0		No																																	
14	4130 - Aspen	Sapling Well	8.7	36	1-50	N/A	Aspen stand just entering pole timber size.																																
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15	6229 - Mixed lowland shrub	Nonstocked	11.3	0		No	Stand was dominated by black ash but all have died from EAB. Some balsam and cedar present.																																
16	4136 - Aspen, Mixed Conifer	Sapling Well	4.8	37		N/A	Aspen stand that was cut in the early 80's as part of Stand #187, part between the two aspen stands is now "L". The only access is through PVT.																																
17	6120 - Lowland Cedar	Poletimber Well	102.6	85		N/A	had a lot of ash at one time which is now all dead from EAB																																
18	6229 - Mixed lowland shrub	Nonstocked	1.7	0		No	several low, wet potholes surrounded by thin rims of trees(mostly red maple), stand left when surrounding stand was cut in 2016.																																
21	122 - Road/Parking Lot	Nonstocked	11.4	0		No	M-18 and Russell Lake Road R.O.W.																																
22	122 - Road/Parking Lot	Nonstocked	1.1	0		No	Russell Lake Road R.O.W.																																
23	4130 - Aspen	Poletimber Well	28.8	45	51-80	N/A																																	
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24	4130 - Aspen	Poletimber Well	10.3	30	Immature	N/A	Just entering poletimber class.																																
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25	4133 - Aspen, Mixed Pine	Poletimber Well	5.6	45	51-80	N/A	OPIC - FMD: Heavy W3 understory.																																			
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26	122 - Road/Parking Lot	Nonstocked	2.7	0		No	Russell Lake Road R.O.W.																																			
27	4125 - Black, N. Pin Oak	Sawtimber Well	47.9	113	81-110	N/A	Good quality black oak stand. Stand was thinned in the past. Stand is healthy and has a thick advanced understory of maple and white pine. There is a less than 1 acre inclusion of W9W3 in the approximate center of the stand which was previously mapped that is 163 years old in 2019 - this should be saved if this oak stand is ever treated.																																			
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29	42210 - Natural Red Pine	Sawtimber Well	2.4	89	141-170	N/A	Small stand of natural red. Some aspen poles and red maple logs mixed in. Needs to be thinned badly.																																			
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31	122 - Road/Parking Lot	Nonstocked	4.3	0		No	ROW of CR 100 (Markey Road)																																			
32	4123 - Red Oak	Poletimber Well	35.1	45	81-110	N/A	Nice stand of red oak poletimber.																																			
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33	6120 - Lowland Cedar	Poletimber Well	61.7	85		N/A																																				
46	4130 - Aspen	Poletimber Well	17.9	45	81-110	N/A	Nice stand of primarily Bigtooth. Some scattered oak. Center of the stand has high SI creating some sawtimber aspen. North end has some pole timber size oak in higher densities. Some areas heavy to red maple saplings. may need survey if cut.																																			
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48	3102 - Grass	Nonstocked	22.8			No	OPIC - FMD: POWERLINE																																				
49	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	8.6	94	51-80	N/A	Balsam fir / black spruce. Some cedar and red maple. Regen mostly balsam fir. North end adjacent to the powerline ROW is more upland.																																				
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51	4125 - Black, N. Pin Oak	Sawtimber Well	19.0	113	111-140	N/A	Stand of 110+ year old good quality black oak. Stand had maple and aspen removed in the past. Heavy red maple in the understory. Some white pine saplings found within the southern 2/3 of the the stand. BA ranges from 80-130.																																				
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52	4125 - Black, N. Pin Oak	Sawtimber Poor	20.7	113	1-50	N/A	Stand was seed tree cut last entry. 10-30 BA average of sawtimber oak. low stocking of oak and maple. Deer have impacted oak regen.																																				
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53	4125 - Black, N. Pin Oak	Sawtimber Medium	5.1	113	51-80	N/A	Small narrow stand of oak that power line splits.																																				
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55	4130 - Aspen	Poletimber Well	19.5	45	81-110	N/A	Nice quality second growth Bigtooth aspen stand. 6-8" dbh. Some small logs forming.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	4123 - Red Oak	Sawtimber Well	23.5	113	111-140	N/A	Nice quality red oak stand. Stand averages 100-120.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		95	Log/Pole	10	113	Red Maple	Sapling
						White Pine	Sapling
						Density	Avg. Height
						Medium	>20 feet
						Low	Variable
							Size
							Sapling
							Sapling
57	4130 - Aspen	Poletimber Well	22.2	45	81-110	N/A	Nice quality bigtooth aspen mixed with a little red maple and oak. Some small diameter sawtimber developing. High density poletimber stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		95	Pole/Log	8	45	Red Maple	Sapling
						Witch Hazel	Tall Shrub
						Density	Avg. Height
						High	10 - 20 feet
						Low	5 - 10 feet
							Size
							Sapling
							Tall Shrub
58	4123 - Red Oak	Sawtimber Well	6.7	113	81-110	N/A	Oak stand that was thinned approximately 30 years ago. Aspen and red maple poletimber are reaching the canopy. Hold for I-75 visuals.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		65	Log/Pole	12	113	Red Maple	Sapling
Red Maple		10	Pole	6		Witch Hazel	Tall Shrub
Bigtooth Aspen		25	Pole	6			
						Density	Avg. Height
						High	10 - 20 feet
						Low	5 - 10 feet
							Size
							Sapling
							Tall Shrub
59	4123 - Red Oak	Sawtimber Well	22.7	113	81-110	N/A	Red oak stand that was thinned in the past. 70-90BA average. Thick understory of red maple and areas of aspen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		85	Log/Pole	12	113	Red Maple	Sapling
Red Maple		10	Sapling/Pole	3		Bigtooth Aspen	Sapling
						Density	Avg. Height
						Full	10 - 20 feet
						Low	10 - 20 feet
							Size
							Sapling
							Sapling
60	4130 - Aspen	Poletimber Well	20.6	31	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		85	Sapling/Pole	4	31	Red Maple	Sapling
						Density	Avg. Height
						Medium	10 - 20 feet
							Size
							Sapling
61	4130 - Aspen	Poletimber Well	44.8	45	81-110	N/A	Nice young aspen pole timber stand. 6-8"avg DBH. Some nice red oak pole timber mixed in on the south end. Some black oak on the north end where site is lower.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		83	Pole	7	45	Red Maple	Sapling
						Density	Avg. Height
						Medium	10 - 20 feet
							Size
							Sapling
62	4123 - Red Oak	Sawtimber Well	23.4	113	81-110	N/A	Oak stand that was heavily thinned in in88. Understory is 20+' tall. All aspen and red maple were removed. 80 BA avg.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		100	Log/Pole	12	113	Red Maple	Sapling
						Bigtooth Aspen	Sapling
						Density	Avg. Height
						Full	>20 feet
						Low	>20 feet
							Size
							Sapling
							Sapling
63	4123 - Red Oak	Sawtimber Well	10.7	113	141-170	N/A	Nice stand of good quality black oak sawtimber. approximately half of the stand is behind the MDOT fence for the rest area.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		93	Log/Pole	12	113	White Pine	Sapling
						Witch Hazel	Tall Shrub
						Red Maple	Sapling
						Density	Avg. Height
						Low	Variable
						Medium	5 - 10 feet
						Low	Variable
							Size
							Sapling
							Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
64	4130 - Aspen	Poletimber Well	14.7	45	51-80	N/A	Aspen stand with good amounts of oak poles. Some scattered sawtimber size oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		83	Pole	5	45	Red Maple	Low	10 - 20 feet	Sapling
Red Oak		15	Pole/Log	8		White Pine	Low	Variable	Sapling
65	4130 - Aspen	Sapling Well	4.1	20	Immature	N/A	Created in 1999 from aspen pockets in stand 21		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		98	Sapling/Pole	3	20	Red Maple	Medium	5 - 10 feet	Sapling
66	4125 - Black, N. Pin Oak	Sawtimber Well	8.0	113	51-80	N/A	Oak stand that was heavily thinned two entries ago. Understory is thick red maple and bigtooth aspen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		90	Log/Pole	12	113	Red Maple	Full	>20 feet	Sapling
White Oak		10	Log/Pole	10		Bigtooth Aspen	Medium	>20 feet	Sapling
67	4123 - Red Oak	Sawtimber Well	40.2	113	81-110	N/A	Good quality stand of black/red oak. Stand was thinned two entries ago. Deer are currently using stand in winter for acorns. Understory is not very thick. North end has some steep ravines.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		85	Log/Pole	12	113	Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak		10	Log/Pole	12		White Pine	Low	Variable	Sapling
						Witch Hazel	Low	5 - 10 feet	Tall Shrub
68	4125 - Black, N. Pin Oak	Poletimber Well	32.3	45	51-80	N/A	Nice stand of mixed oak poletimber. Some are approaching small log size.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		85	Pole	6	45	Red Maple	Low	10 - 20 feet	Sapling
White Oak		10	Pole	6					
69	4123 - Red Oak	Sawtimber Well	17.6	113	81-110	N/A	Oak stand that was thinned in 1988. Some aspen poles on the north end. A few scattered beech saplings. 80 BA average.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		23	Log/Pole	12	113	Red Maple	Full	10 - 20 feet	Sapling
Red Oak		70	Log/Pole	12	113				
70	4131 - Aspen, Oak	Poletimber Well	3.0	63	51-80	N/A	Small stand of quaking aspen mixed with low quality black oak. Both oak and aspen are in decline..		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		40	Log/Pole	12	63	Red Maple	High	10 - 20 feet	Sapling
Quaking Aspen		50	Pole/Log	8	63				
Red Maple		10	Pole	6					
71	4126 - White, Black, N. Pin Oak	Sawtimber Poor	6.5	113	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		60	Log	14	113	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Oak		40	Log	14		White Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
72	4130 - Aspen	Poletimber Well	2.3	45	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		100	Pole	6	45	Red Maple	High	10 - 20 feet	Sapling
73	4125 - Black, N. Pin Oak	Sawtimber Well	14.3	101	81-110	N/A	Stand of low quality, low density oak and aspen. Two ages of oak. One of large 18"+ diameter and another in the 6-8" class.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		60	Log/Pole	12	101	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Quaking Aspen		25	Pole	6		Pin Cherry	Low	5 - 10 feet	Sapling
Red Maple		10	Pole	5		Red Maple	Medium	5 - 10 feet	Sapling
74	4125 - Black, N. Pin Oak	Poletimber Medium	6.3	45	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		83	Sapling/Pole	4	45	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
White Pine		10	Pole	8		Pin Cherry	Low	5 - 10 feet	Sapling
75	4139 - Aspen, Mixed Deciduous	Poletimber Well	12.5	84	81-110	N/A	Quaking aspen stand mixed with red maple. and some white pine. Some large diameter white pine scattered about. Heavier to red maple on the north end. North end also has high water table which could pose some equipment issues during wet times of the year.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		56	Pole/Log	8	84	Red Maple	High	10 - 20 feet	Sapling
Red Maple		30	Pole/Log	8		White Pine	Medium	Variable	Sapling
White Pine		10	Pole/Log	8					
76	6112 - Lowland Aspen	Poletimber Poor	9.2	51	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		50	Pole	8	51	Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple		30	Pole	6					
White Pine		20	Pole	8					
77	6229 - Mixed lowland shrub	Nonstocked	12.6			No	OPIC - FMD: OI Stand Year Origin was		
78	6122 - Black Spruce	Poletimber Well	2.0	58	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		80	Pole	5	58	Black Spruce	Low	Variable	Sapling
White Pine		20	Pole/Log	8					
79	110 - Low Intensity Urban	Nonstocked	0.9			No	OPIC - FMD: Radio tower		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
80	4130 - Aspen	Poletimber Well	37.8	43	111-140	N/A	stand of nice quality stand on north facing slope. Good amounts of red oak pole timber especially on the south end at the top of the hill. Some beech.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		85	Pole	7	43	Red Maple		Low
Red Oak		10	Pole	6		Beech		Low
						White Pine	Low	
							Avg. Height	
							Size	
81	4125 - Black, N. Pin Oak	Sawtimber Well	27.9	113	81-110	N/A	Good quality red/black oak stand that was thinned in 1988. Heavy red maple understory. Good stand for acorn production. Deer feeding on acorns during winter. 6 plots taken, 50 -110 BA 76 average BA.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		10	Log/Pole	12	113	Red Maple		Full
Black/Red (Hybrid) Oak		81	Log/Pole	12	113	Bigtooth Aspen		Low
							Avg. Height	
							Size	
82	4130 - Aspen	Sapling Well	6.3	20	Immature	N/A	Created in 1999 from aspen pockets in stand 21	
Canopy Species		% Cover	Size Class	DBH	Age			
Bigtooth Aspen		90	Sapling	2	20			
Red Maple		10	Sapling	2				
83	4123 - Red Oak	Sawtimber Well	13.4	113	51-80	N/A	Stand was thinned last entry. 70 BA average.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		100	Log	12	113	Red Maple		Medium
						White Pine		Medium
						Beech	Low	
							Avg. Height	
							Size	
84	4130 - Aspen	Sapling Well	7.8	20	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		90	Sapling	2	20	Red Maple		Medium
						Pin Cherry		Low
							Avg. Height	
							Size	
85	4130 - Aspen	Sapling Medium	10.7	10	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen		70	Sapling	1	10			
Bigtooth Aspen		10	Sapling	1				
Red Maple		10	Sapling	1				
86	4130 - Aspen	Poletimber Well	50.6	59	51-80	N/A	Low quality quaking aspen stand on high water table. Hummocky ground. Aspen is in poor shape and experiencing decline.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		70	Pole	6	59	Pin Cherry		Low
Red Maple		15	Pole	6		Red Maple		High
White Pine		10	Log/Pole	10			Avg. Height	
							Size	
87	3102 - Grass	Nonstocked	1.6			Managed Opening	OPIC - FMD: WILDLIFE MANAGED OPENING.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
88	3102 - Grass	Nonstocked	1.1			No	OPIC - FMD: OI Stand Year Origin was																																										
89	6229 - Mixed lowland shrub	Nonstocked	18.7			No	OPIC - FMD: OI Stand Year Origin was																																										
90	6112 - Lowland Aspen	Poletimber Poor	5.3	38	1-50	N/A	Stand Year Origin was 1981, wet and very sparse																																										
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91	42200 - Natural White Pine	Sawtimber Well	8.7	63	111-140	N/A	Small sawtimber white pine stand.																																										
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92	3102 - Grass	Nonstocked	1.5			Managed Opening	OPIC - FMD: WILDLIFE MANAGED OPENING.																																										
93	4199 - Other Mixed Upland Deciduous	Poletimber Well	40.3	113	141-170	N/A	Multiple ages and size classes of oak. wolffy XL oak with smaller but younger aspen, red maple, and oak underneath. some areas have heavy maple saplings in understory. oldest and larger aspen and oak declining but younger aspen, red maple, and oak doing fine. hold 10 years and then final harvest when younger trees are merchantable.																																										
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94	4130 - Aspen	Poletimber Well	24.2	67	1-50	N/A	Over mature quaking aspen stand. Much of it is sawtimber diameter but is probably pulpwood. Stand is showing signs of heavy decline. Scattered small log size white pine. West side of stand has smaller diameters and has heavy red maple understory.																																										
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95	42210 - Natural Red Pine	Sawtimber Medium	4.9	78	51-80	N/A	Mixed stand of red pine, white pine and oak. Stand was thinned last entry. Red maple stump sprouts in under-story. Not ready for any additional treatments.																																										
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96	3102 - Grass	Nonstocked	10.4			Managed Opening	Maintained opening w/ pockets of aspen and cherry within the interior. Landowner is plowing forest road to access property.																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
97	4130 - Aspen	Poletimber Well	55.5	26		N/A																												
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98	42210 - Natural Red Pine	Sawtimber Well	7.3	73	51-80	N/A	Thinned last entry.																											
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99	6225 - Bog	Nonstocked	3.2			No	bog with a few scattered trees within and on the edges																											
100	6229 - Mixed lowland shrub	Nonstocked	17.6			No	Tag alder stand that had a road frozen in to access the aspen to the north.																											
101	4130 - Aspen	Poletimber Well	46.8	26		N/A	Access gained to cut this stand by freezing a road across the stand to the south in 1993 so theoretically possible to access this stand, growing well in most spots especially the more upland areas.																											
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102	6122 - Black Spruce	Poletimber Well	15.7	55	81-110	N/A																												
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103	6225 - Bog	Nonstocked	1.4			No	OPIC - FMD: OI Stand Year Origin was																											
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105	6113 - Lowland Maple	Poletimber Well	3.7	54	51-80	N/A																												
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107	6124 - Lowland Spruce-Fir	Poletimber Medium	5.0	48	51-80	N/A																												
108	6229 - Mixed lowland shrub	Nonstocked	14.4			No																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
109	4199 - Other Mixed Upland Deciduous	Poletimber Well	39.5	75	81-110	N/A																																				
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110	4130 - Aspen	Poletimber Well	8.6	50		N/A																																				
111	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	14.2	68	81-110	N/A																																				
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114	4133 - Aspen, Mixed Pine	Sawtimber Well	21.2	82	81-110	N/A	Stand of 2 aged aspen with no access. Stand has good amounts of white pine, red maple and balsam fir mixed in. A few small wet pockets dominated by cedar and red maple are found in the sw corner of stand.																																			
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115	42200 - Natural White Pine	Poletimber Well	13.6	63	51-80	N/A																																				
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116	4140 - Other Upland Deciduous	Poletimber Well	8.5	74	81-110	N/A	Birch stand mixed with some oak and maple. Areas of thick balsam fir understory.																																			
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117	4199 - Other Mixed Upland Deciduous	Poletimber Well	21.7	73	81-110	N/A	Nominate as SCA and maintain as one stand on both sides of the road for scenic values. Stand of red maple and paper birch mixed with balsam fir and pockets of multi aged aspen. Very well known scenic travel corridor. Lansing Road is designated as a "Natural Scenic" road																																			
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118	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	2.2	98	141-170	N/A																																										
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119	6120 - Lowland Cedar	Poletimber Well	33.8	113	81-110	N/A																																										
120	612 - Lowland Coniferous Forest	Poletimber Well	14.5	78	51-80	N/A																																										
121	6130 - Fir, Aspen, Maple	Poletimber Well	26.6	93	81-110	N/A	OIPC Comments - FMD: Transition stand. spots dominated by hemlock and cedar at southern edge, solid balsam fir stand along Lansing Road and white pine dominates in eastern arms. Multiple age cohorts. Has supercanopy white pine scattered throughout and some aspen that are scattered and past the point of regeneration. Part of SCA. MiFI comments : Wet stand but with drier spots, driest spot is along Lansing Road, very variable stand with lots of wildlife sign.																																									
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122	4136 - Aspen, Mixed Conifer	Sapling Well	29.2	10	Immature	N/A	Aspen stand cut last entry. All oak, birch, white pine, and balsam fir over 4" were left. Great structure and cover.																																									
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123	4311 - Pine, Aspen Mix	Poletimber Well	7.0	53	81-110	N/A																																										
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124	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.7	74	81-110	N/A																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
125	4125 - Black, N. Pin Oak	Poletimber Well	31.9	78	51-80	N/A	Variable stand of oak, pine and birch. Scattered oak sawtimber size trees with areas of pole timber oak. Low BA on top of the hill. Pockets or clones of over mature bigtooth aspen.																																				
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127	4130 - Aspen	Sapling Well	28.2	20	Immature	N/A	Birch/ white pine stand that was clear-cut in 1999. No birch regeneration present. Mix of aspen clones and sparse oak regeneration. Good evidence of what not to do with these types of stands if we want to regenerate birch. Some birch seed may still be present.																																				
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128	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	12.2	78	81-110	N/A	Very mixed stand with multiple age classes of oak and white pine. R6 pocket to the southwest and more white pine in other arms.																																				
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129	4130 - Aspen	Sapling Well	40.5	20	Immature	N/A																																					
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130	6120 - Lowland Cedar	Poletimber Well	47.4	128	171-200	N/A																																					
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131	4113 - R.Maple, Conifer	Poletimber Well	3.2	63	51-80	N/A																																					
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132	3102 - Grass	Nonstocked	9.0			No																																					
134	6229 - Mixed lowland shrub	Nonstocked	1.8			No	OPIC - FMD: floodplain along Cut River.																																				



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136	4199 - Other Mixed Upland Deciduous	Poletimber Well	4.5	82	81-110	N/A	Stand is on both sides of a major powerline/pipeline ROW and accessed thru the Camp 20 route which is very hilly. Small stand which is difficult to get to and growing well.. Under-story is heavy to red maple and white pine in most areas.																																								
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137	6120 - Lowland Cedar	Poletimber Well	10.3	92	81-110	N/A																																									
138	6229 - Mixed lowland shrub	Nonstocked	19.4			No	OPIC - FMD: floodplain along Cut River.																																								
139	6120 - Lowland Cedar	Poletimber Medium	43.6	128	51-80	N/A																																									
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141	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	4.3	53	51-80	N/A	Appears to be an old habitat cut.																																								
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143	6113 - Lowland Maple	Poletimber Well	10.7	78	51-80	N/A																																									
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144	42350 - Upland Hemlock	Sawtimber Well	5.3	168	141-170	N/A	Small stand of nice quality hemlock. Cored at around 160 years old. Some large diameter white pine on south west side. Some hemlock regeneration found but only along the outside edge of the stand.																																								
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145	611 - Lowland Deciduous Forest	Poletimber Poor	17.7	92	1-50	N/A																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
146	6229 - Mixed lowland shrub	Nonstocked	18.3			No	OPIC - FMD: floodplain along Cut River. Part of SCA																												
147	6120 - Lowland Cedar	Poletimber Well	25.7	123	81-110	N/A																													
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150	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	6.8	73	81-110	N/A	Small sawtimber white pine stand with groups of large diameter white pine and a few oak and aspen.																												
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152	4130 - Aspen	Sapling Well	4.5	10	Immature	N/A																													
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153	4130 - Aspen	Poletimber Well	30.2	53	81-110	N/A	Primarily a quaking aspen stand with a few areas of bigtooth. Some white pine mixed in on the south end. A few wet holes on the south end as well. Areas north of Lansing rd are mixed with oak and red maple. Some oak in the understory as well. Aspen is beginning to decline with some top die back and areas of black rot.																												
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154	3102 - Grass	Nonstocked	11.7			No	mix of G and U-type, scattered trees, non-maintained																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
155	4123 - Red Oak	Sawtimber Well	6.5	104	51-80	N/A	Narrow oak strip along M-18. South part thinned in 1983 by removing aspen and red maple, north part was treated similarly in 1993. Extreme south end has small inclusion of W6. Leave for aesthetic buffer along highway.																											
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156	4130 - Aspen	Sapling Well	14.4	27	1-50	N/A	Some aspen just entering pole timber size. A few red oak stump sprouts.																											
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157	4130 - Aspen	Poletimber Well	13.6	36	111-140	N/A	Aspen growing on good site.																											
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160	4123 - Red Oak	Sawtimber Well	8.4	104	81-110	N/A	removed everything except oak in 1983 (east part) and 1993 (west part), too small to treat by itself, treat with surrounding aspen stands at some future YOE.																											
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161	4130 - Aspen	Sapling Well	2.8	26	Immature	N/A																												
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162	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.1	104	81-110	N/A	XL oak and SL aspen with pole-size aspen, nice WP understory, retain for now and manage with a select cut in 10 years																																						
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163	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	4.8	94	51-80	N/A	White pine stand that "fades into a conifer swamp. A few large diameter white pines. A few hemlocks found on S. edge.																																						
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164	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	23.9	94	81-110	N/A																																							
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165	622 - Lowland Shrub	Nonstocked	3.4			No																																							
166	6120 - Lowland Cedar	Poletimber Well	7.6	75	81-110	N/A	Cedar/black ash swamp. Thick balsam fir understory.																																						
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167	6112 - Lowland Aspen	Sapling Medium	10.5	35		N/A	Wet hummocky ground with patches of quaking aspen. Balsam fir, red maple and spruce scattered about. Some areas heavy to tag alder.																																						
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168	4136 - Aspen, Mixed Conifer	Poletimber Well	30.2	35	51-80	N/A	Quaking aspen stand regenerated in 1984. Stand has some red maple, balsam fir, and a few oaks mixed in . A few clumps of jack pine present.																																																								
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169	310 - Herbaceous Openland	Nonstocked	4.3		Unspecified	Managed Opening	Managed Opening																																																								
170	6120 - Lowland Cedar	Poletimber Poor	5.2	85	1-50	N/A																																																									
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171	310 - Herbaceous Openland	Nonstocked	1.8			No	non-maintained grassy opening																																																								
172	4136 - Aspen, Mixed Conifer	Sapling Well	18.4	25	Immature	N/A	Aspen stand regenerated in 1984 some jack pine, oak and cherry mixed in. A few pockets of bigtooth aspen.																																																								
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173	6225 - Bog	Nonstocked	2.9			No	bog with scattered trees																																																								
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175	310 - Herbaceous Openland	Nonstocked	2.4			Managed Opening	managed opening																																																								
176	429 - Mixed Upland Conifers	Poletimber Well	10.3	89	81-110	N/A	Small stand of natural red and jack pine SL's and XL's. Some aspen mixed in, jack pine and aspen declining																																																								
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177	6120 - Lowland Cedar	Poletimber Well	18.8	83	111-140	N/A	Narrow cedar/"Q" type drainage.																																	
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178	4130 - Aspen	Poletimber Well	24.3	51	81-110	N/A	good candidate to cut now, may need survey																																	
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179	4130 - Aspen	Sapling Well	52.6	7		N/A	Regenerated in 2012, very nice A3 stand																																	
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180	6225 - Bog	Nonstocked	0.9			No																																		
181	4136 - Aspen, Mixed Conifer	Poletimber Well	65.2	85		N/A																																		
182	6120 - Lowland Cedar	Poletimber Well	136.9	85		N/A	had a lot of ash at one time which is now all dead from EAB																																	
183	622 - Lowland Shrub	Nonstocked	94.0			No																																		
184	4134 - Aspen, Spruce/Fir	Poletimber Well	41.3	37		N/A	Aspen stand that was cut in the early 80's. The only access is through PVT.																																	
185	4130 - Aspen	Poletimber Well	71.8	37		N/A	Aspen stand that was cut in the early 80's. The only access is through PVT.																																	
186	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	3.0	85		N/A																																		
187	4136 - Aspen, Mixed Conifer	Sapling Medium	36.4	37		N/A	Aspen stand that was cut in the early 80's. The only access is through PVT. Somewhat wet and did not regenerate well																																	
189	622 - Lowland Shrub	Nonstocked	39.7			No																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
190	6130 - Fir, Aspen, Maple	Poletimber Well	33.6	85		N/A																																
191	6120 - Lowland Cedar	Poletimber Well	28.1	85		N/A																																
192	6139 - Mixed Lowland Forest	Poletimber Well	27.1	85		N/A																																
193	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	3.5	85		N/A																																
195	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	19.2	85		N/A																																
196	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	40.3	85		N/A																																
197	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	55.9	85		N/A																																
198	6120 - Lowland Cedar	Poletimber Well	241.3	114	Unspecified	N/A																																
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199	4130 - Aspen	Poletimber Well	1.7	55		N/A																																
201	42350 - Upland Hemlock	Sawtimber Well	27.6	92	141-170	N/A	A stand of primarily hemlock with some scattered red maple and white pine. A few pockets of red maple and aspen. Very little understory.																															
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202	4130 - Aspen	Sapling Well	23.9	15		N/A	Nice A3 regeneration, NE corner was/is a grassy opening that they used for a landing and it is not as dense of regeneration here.																															
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203	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	9.0	72	81-110	N/A	Small stand of primarily red maple mixed with aspen. Some balsam fir and scattered oak sawtimber. Small pocket of lower ground on south end that contains hemlock.																																	
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204	6229 - Mixed lowland shrub	Nonstocked	5.3			No																																		
205	3102 - Grass	Nonstocked	4.7			No	grassy opening with scattered trees, not maintained																																	
207	6115 - Lowland Ash	Poletimber Well	24.3	47	1-50	N/A	Lowland stand of declining black ash and balsam fir. Stand being hit by EAB. Good understory of ash.																																	
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209	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	10.6	92		N/A																																		
210	6115 - Lowland Ash	Poletimber Well	3.8	72	81-110	N/A	Lowland stand of ash red maple and some hemlock and cedar. Balsam fir and some ash regen. Ash almost certainly doomed by EAB																																	
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211	4113 - R.Maple, Conifer	Sawtimber Well	14.9	92	81-110	N/A	Stand of hemlock, white pine and red maple. A 3-5 acre area of hemlock mortality was found last YOE - on site inspection by forest pest specialists (Roger Mech) indicated it was probably Armillaria due to fluctuating water table. Rest of the stand is growing well. Upland with scattered low spots and a water table close to the surface thru-out stand. Lots of little white pine saplings wherever there's a seed source upwind.																																	
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212	429 - Mixed Upland Conifers	Sawtimber Well	27.7	92	171-200	N/A	Stand of hemlock and large white pine. Very little understory. Upland but with scattered low ground. water table close to the surface thru-out stand. Growing well.																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
213	42210 - Natural Red Pine	Sawtimber Well	7.3	92	141-170	N/A	Small stand of natural red pine mixed with some large white pine. Some scattered hemlock. Upland except on edges. hummocky ground with water table close to the surface.																												
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215	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.3	107		N/A																													
216	4134 - Aspen, Spruce/Fir	Poletimber Well	6.0	35		N/A	Habitat cut in 1984, small acreage/volume and no good spot for a landing																												
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217	6127 - Lowland Pine	Sawtimber Well	7.8	92	81-110	N/A	log sized white pine and red pine with scattered other species, scattered legacy size white and red pine which are older than the other pines, hummocky ground with heavy leatherleaf ground cover, lowland with a few scattered upland islands.																												
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218	6113 - Lowland Maple	Poletimber Well	7.2	47	51-80	N/A	wetter than surrounding stands except for swamp to the west, standing water over majority of stand																												
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219	4319 - Mixed Upland Forest	Sawtimber Well	8.1	92	111-140	N/A	red maple poles with scattered hemlock, white pine, red oak, and white birch. small pockets of hemlock also. upland with a few wetter spots																												
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220	4123 - Red Oak	Sawtimber Well	9.9	112	81-110	N/A	Thinned Summer of 2015 by removing marked trees. Red maple saplings are almost pole class																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
221	6120 - Lowland Cedar	Poletimber Poor	26.8	77	51-80	N/A	Small diameter cedar and black ash mixed with heavy tag alder and fir. black ash dying out. very wet.																																					
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222	42350 - Upland Hemlock	Sawtimber Well	6.3	92	171-200	N/A	upland with scattered wetter spots																																					
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223	4130 - Aspen	Sapling Medium	12.4	4	Immature	N/A	Cut in the summer of 2016, retention was left as a strip along Markey road and along the north end of the Alano property, slowly filling in with aspen and other species																																					
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224	4119 - Mixed Northern Hardwoods	Poletimber Well	2.7	72	111-140	N/A	Stand of pole timber red maple mixed with old bigtooth aspen and some red oak. Some white pine poles mixed in. Small swales thru-out probably not worth cutting by itself due to small acreage and long narrow shape of the stand.																																					
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225	4123 - Red Oak	Sawtimber Well	13.7	112	51-80	N/A	Thinned summer of 2015 by removing marked trees and all aspen. Red maple saplings approaching pole class.																																					
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226	42350 - Upland Hemlock	Sawtimber Well	3.1	92	111-140	N/A	Stand of hemlock and white pine. More white pine on south end.																																					
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227	6118 - Lowland Deciduous with Cedar	Poletimber Medium	16.4	72	51-80	N/A	black ash is on the way out due to EAB, aspen is pretty well gone also due to age, wet stand with a steep ditch and no good spot for a landing, heavy tag alder or BF saplings thru-out stand																																					
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228	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	6.3	82		N/A																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
229	6139 - Mixed Lowland Forest	Poletimber Poor	4.3	72		N/A	
230	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	1.9	82		N/A	
232	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	70.6	92		N/A	
234	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	44.0	92		N/A	
238	6120 - Lowland Cedar	Poletimber Well	12.7	92		N/A	
240	4134 - Aspen, Spruce/Fir	Poletimber Well	6.0	72		N/A	