Compartment Review Presentation

Roscommon Forest Management Unit

Compartment **71029**
Entry Year **2027**
Acreage: **4,132**
County: **Roscommon**
Management Area: **High Sand Plains**

Stand Examiner: Doug Tyran

Legal Description:

T23N, R3W Sections 22, 23, 24, 28, 27, 26, 25, 34, 35, 36.T22N, R3W Sections 1, 2, 12.

Identified Planning Goals:

Prescribe harvests for aspen blocks, balancing the aspen age-class distribution while retaining under-represented species within these stands, primarily oak, to maintain species diversity and provide wildlife value. Prescribe harvests for Mixed Upland Deciduous stands, taking advantage of the robust advance regeneration from past partial harvests and general age induced mortality.

Soil and topography:

Lowlands with prevalent Tawas and Lupton mucks dominate much of the compartment. Upland areas, mainly Grayling sands with subtle relief, support aspen/oak/mixed deciduous types. Near N Everett Rd, various sands and loams support moderate-quality hardwoods (sugar maple, red maple, basswood, beech), which are also found sparsely on Graycalm & Croswell soils elsewhere in the compartment.

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

Fragmented state, private, and county ownership limits access to some timber stands and restricts general recreation within the compartment. Proximity to Houghton Lake encourages moderate residential development. Higher quality soils near N Everett Rd, historically farmed, remain largely private. Consequently, while overall access is limited, state lands adjacent to Houghton Lake's residential areas experience high recreational use.

Unique Natural Features:

Several Bald Eagle observations exist in the conservation area reviewer. Cambarunio iris and Alasmidonta viridis mussels are known to exist in the Cut River.

Archeological, Historical, and Cultural Features:

No known archaeological concerns.

Special Management Designations or Considerations:

N/A

Watershed and Fisheries Considerations:

N/A

Wildlife Habitat Considerations:

Consult Bald Eagle management guidelines for timber sales in close proximity to any known nests.

Mineral Resource and Development Concerns and/or Restrictions

Sections 1-2 & 12, T22N R3W and sections 21-27 & 34-36, T23N R3W, Roscommon County No known potential exists for economic deposits of metallic minerals in this part of the state. Several active sand/gravel operations exist in the area north and east of the compartment including the State-owned Nine Mile and St. Helen/Carter pits, which are both leased to Rieth-Riley. The Road Commission operates a pit just northeast of the compartment. Potential for additional sand & gravel development within the compartment, however, may be limited due to the prevalence of wetlands. The nearest hydrocarbon production, past or present, is roughly three miles away. There has been no recent well permitting activity around the compartment, and there is also no current leasing activity involving State-owned oil & gas rights in the area. Potential for future oil & gas development within the compartment is considered low at this time.

Vehicle Access:

Due to the expansive lowlands in this area, vehicle access is limited. This is further complicated by fragmented ownership. Vehicle access is limited to access routes off of M-18, E Houghton Lake Dr., Doyle Trail/N Everett Rd, and Buzzonia Blvd to the north.

Survey Needs:

Recreational Facilities and Opportunities:

Fire Protection:

The compartment lacks the traditionally volatile jack pine fuels common to the rest of the Roscommon unit. Vast lowland conifer complexes could present fire risk if dry conditions persist. The majority of the uplands in this compartment consist of aspen, mixed deciduous, and oak types. Some areas could prove challenging for fire suppression activity due to difficult access/lowland areas.

Additional Compartment Information:

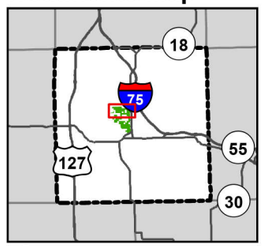
The following reports from the Inventory are attached:

- **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



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Examiner: Doug Tyran
Date Exported: 6/10/2025
Map Phase: Web Post

0 0.5 1 Miles

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- Airport
- Gate
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- Clearcut
- Overstory Removal
- Openings Mgmt.
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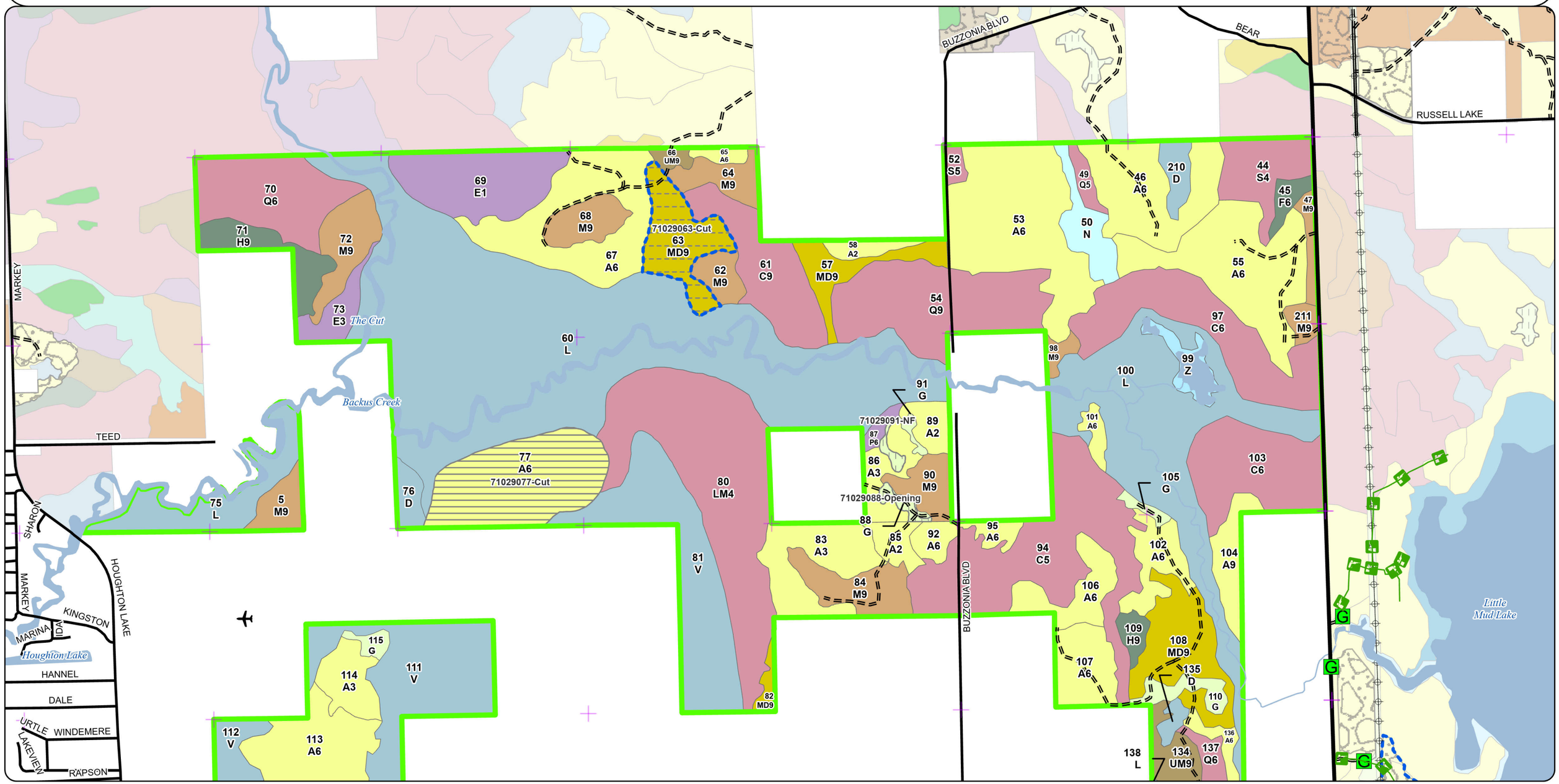
- 622 - Lowland Shrub
- 623 - Emergent Wetland



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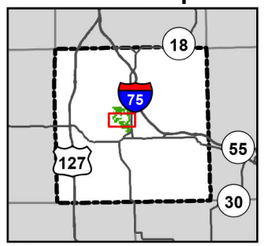

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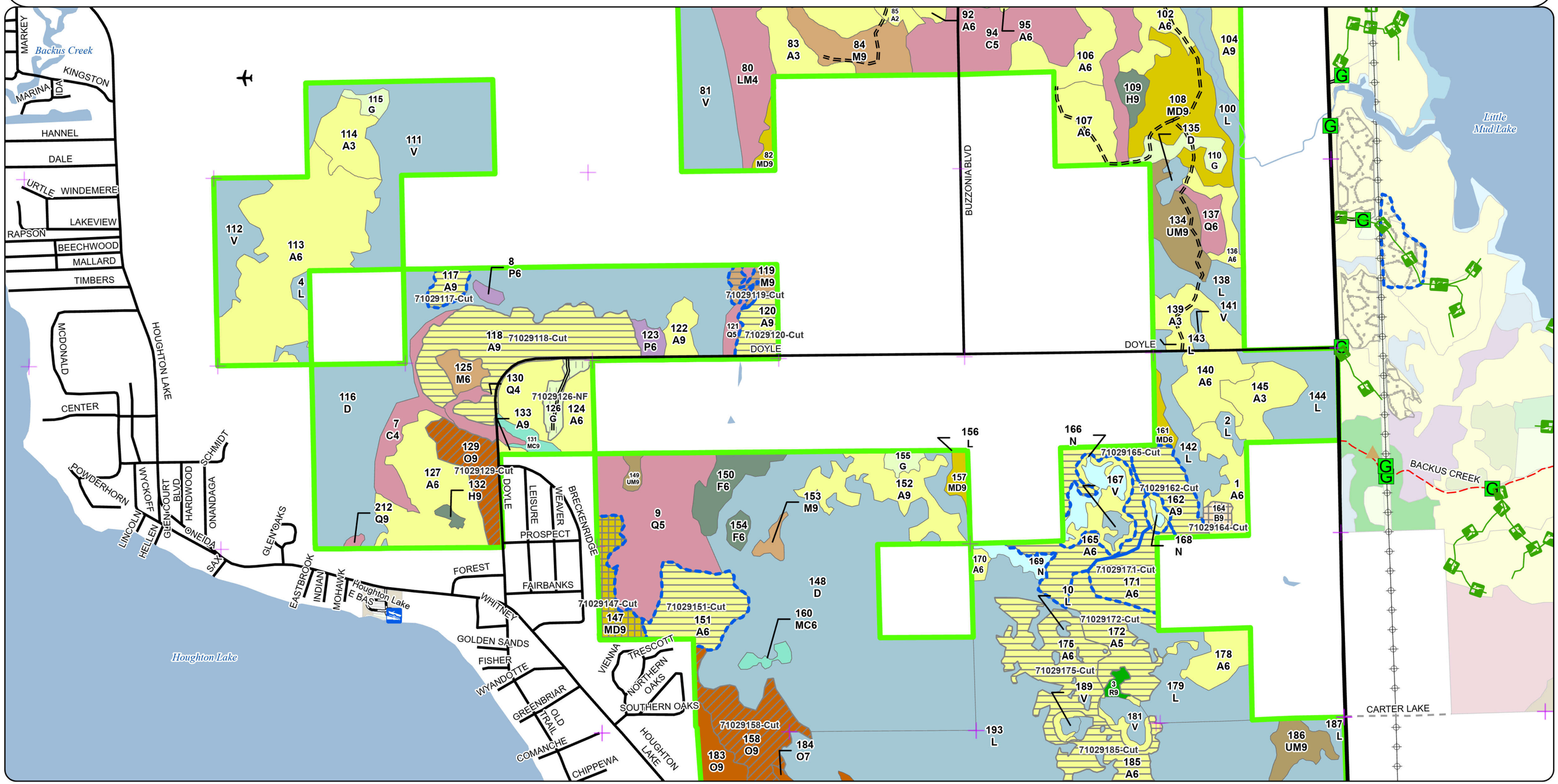

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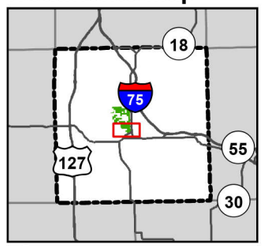

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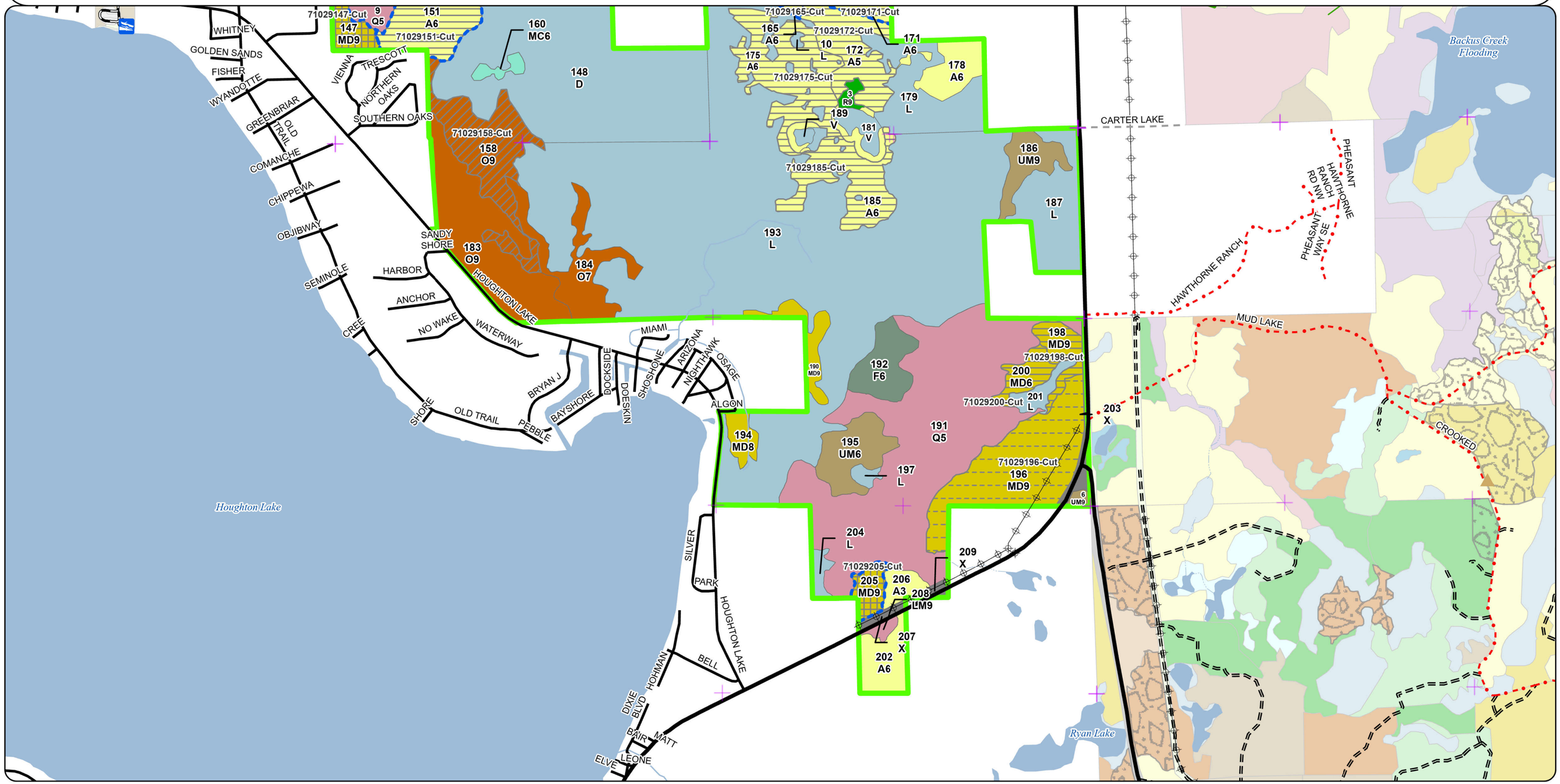
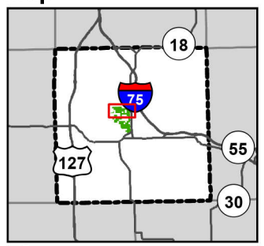


Stand Boundary Map



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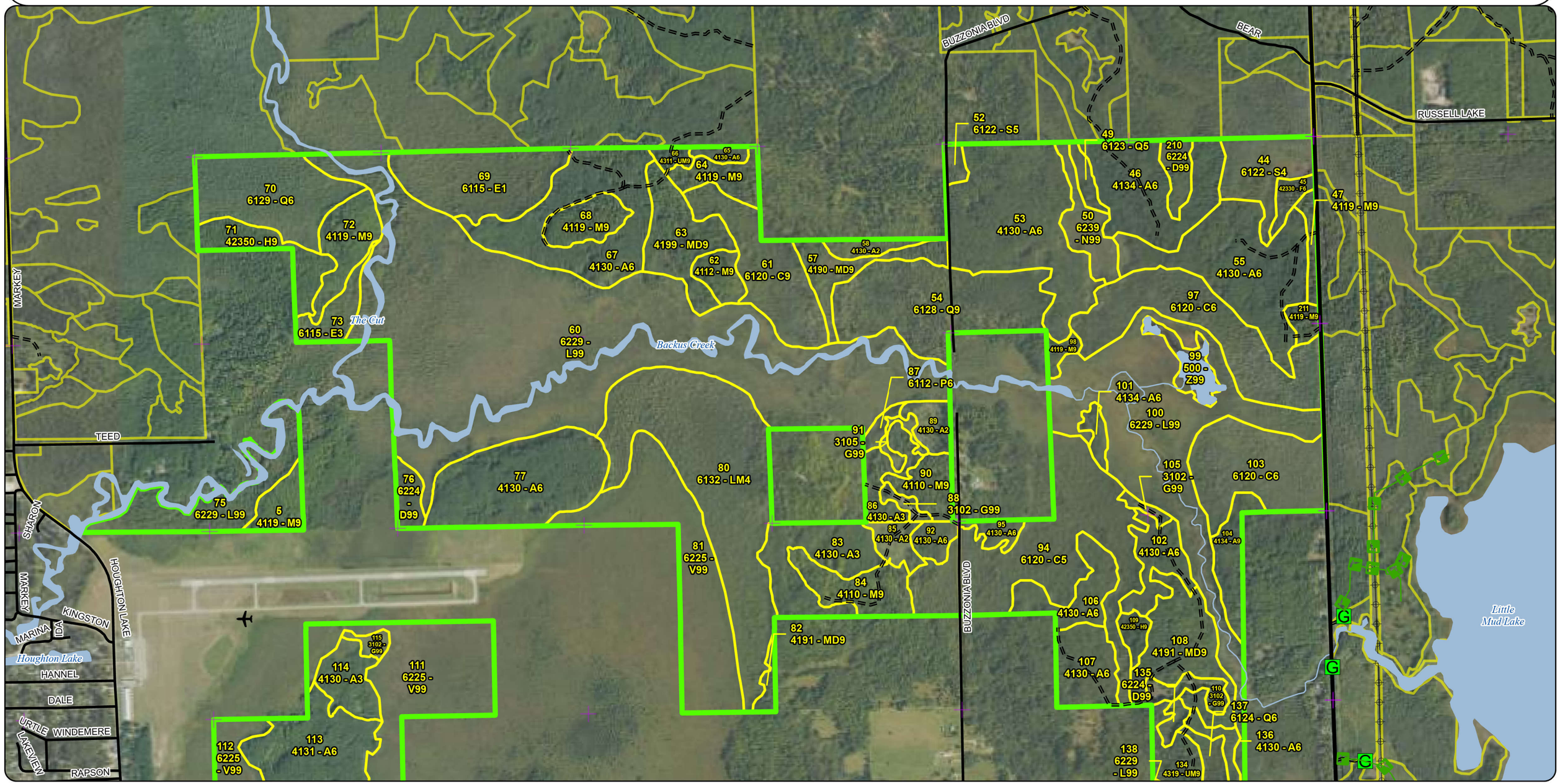

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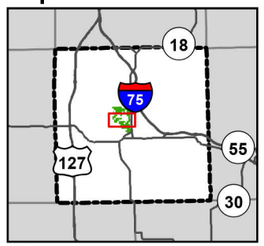

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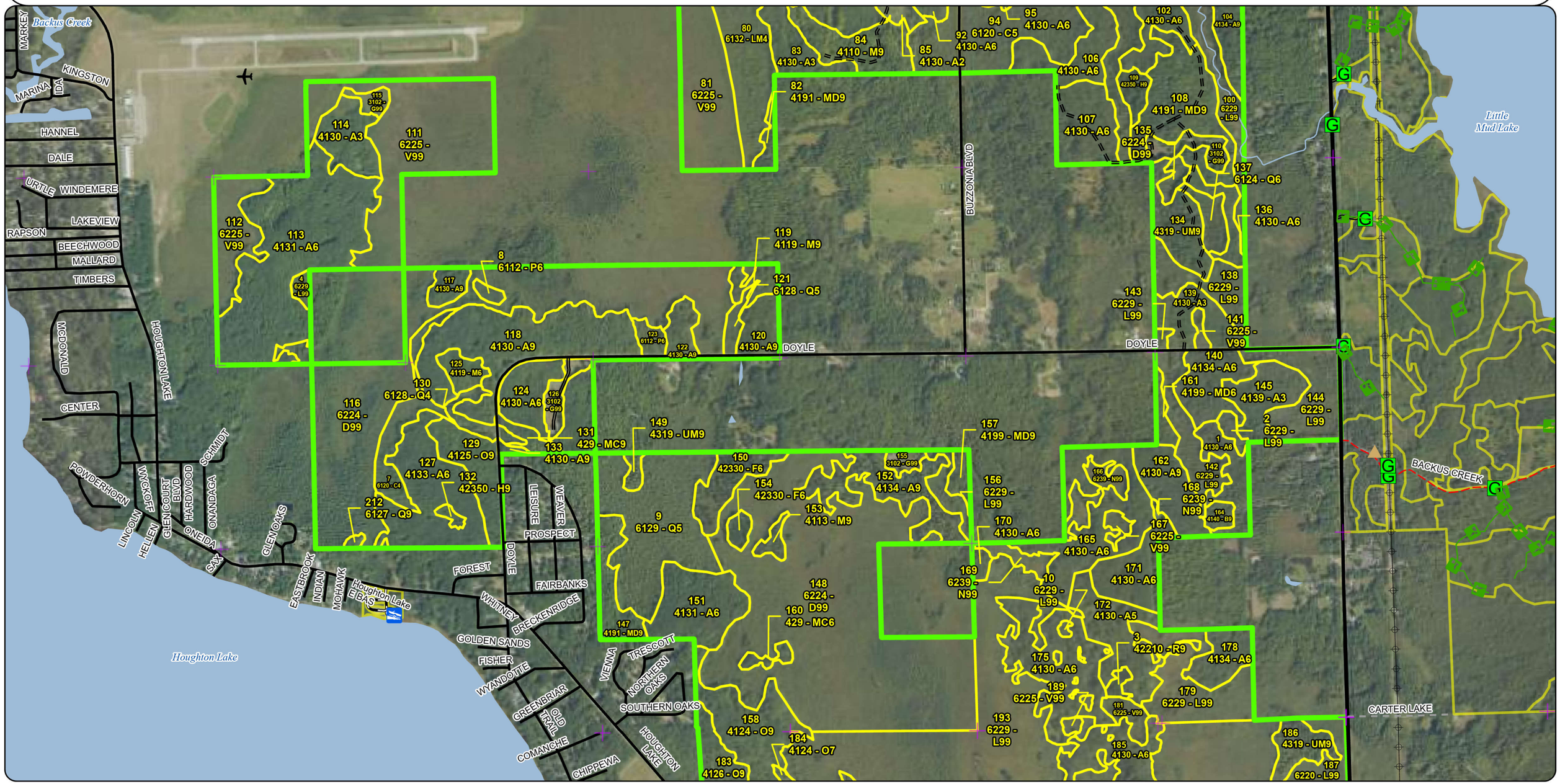

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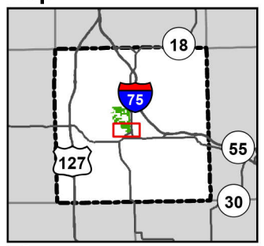

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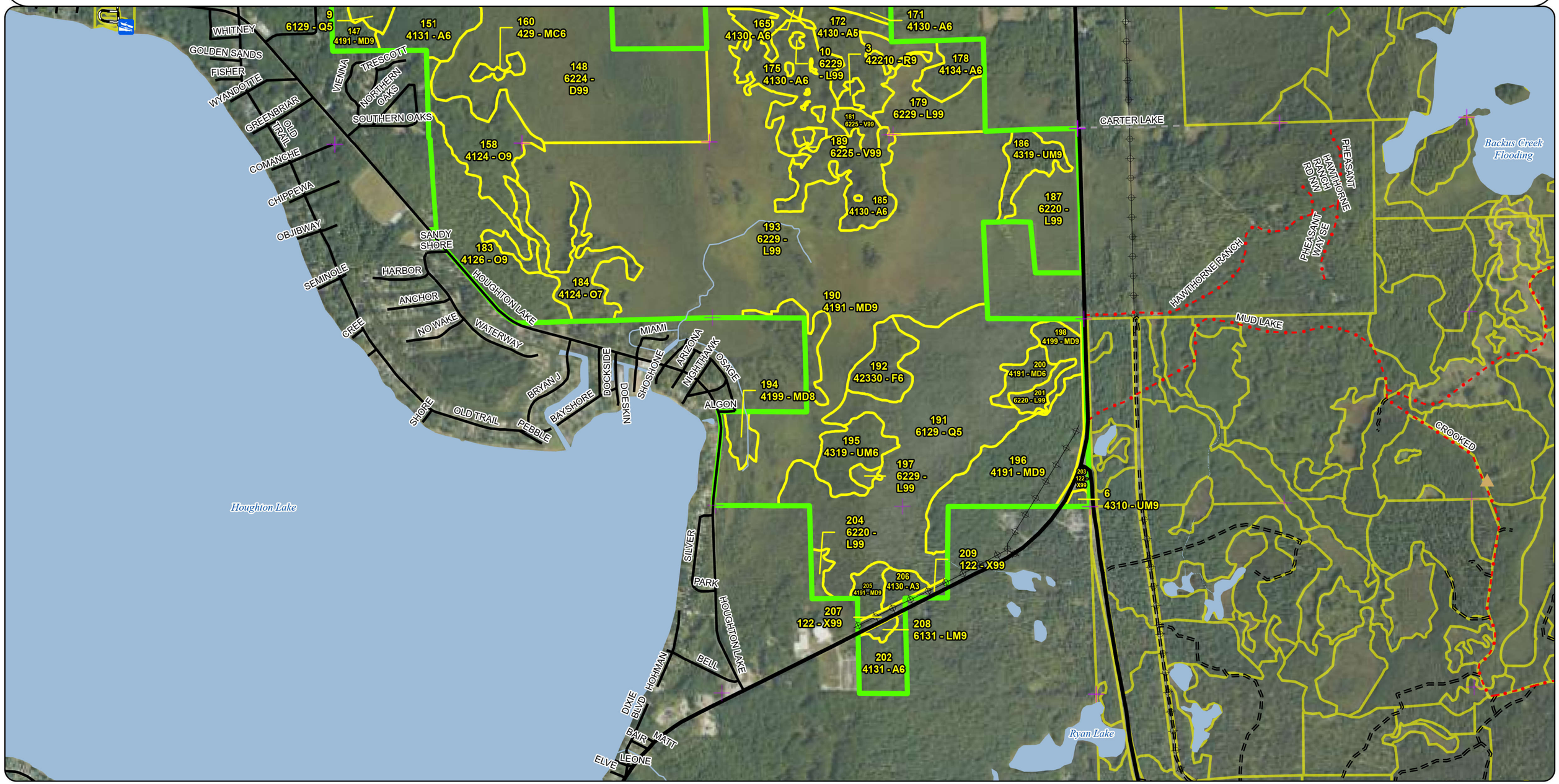
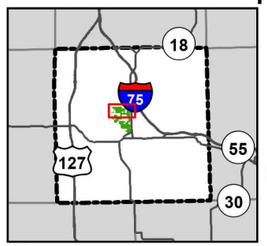


Special Conservation Areas & Site Conditions Map



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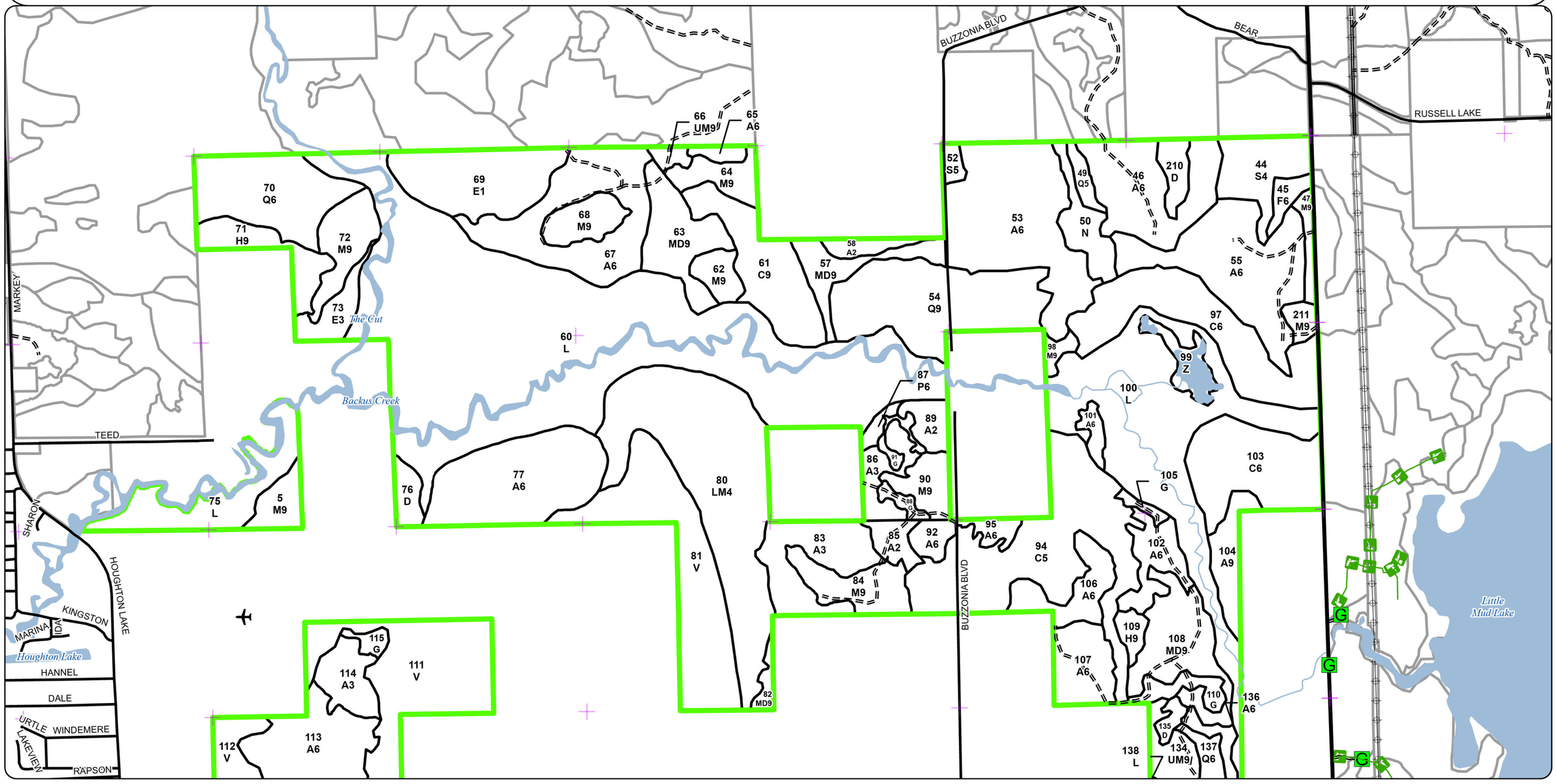

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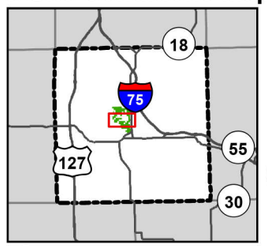

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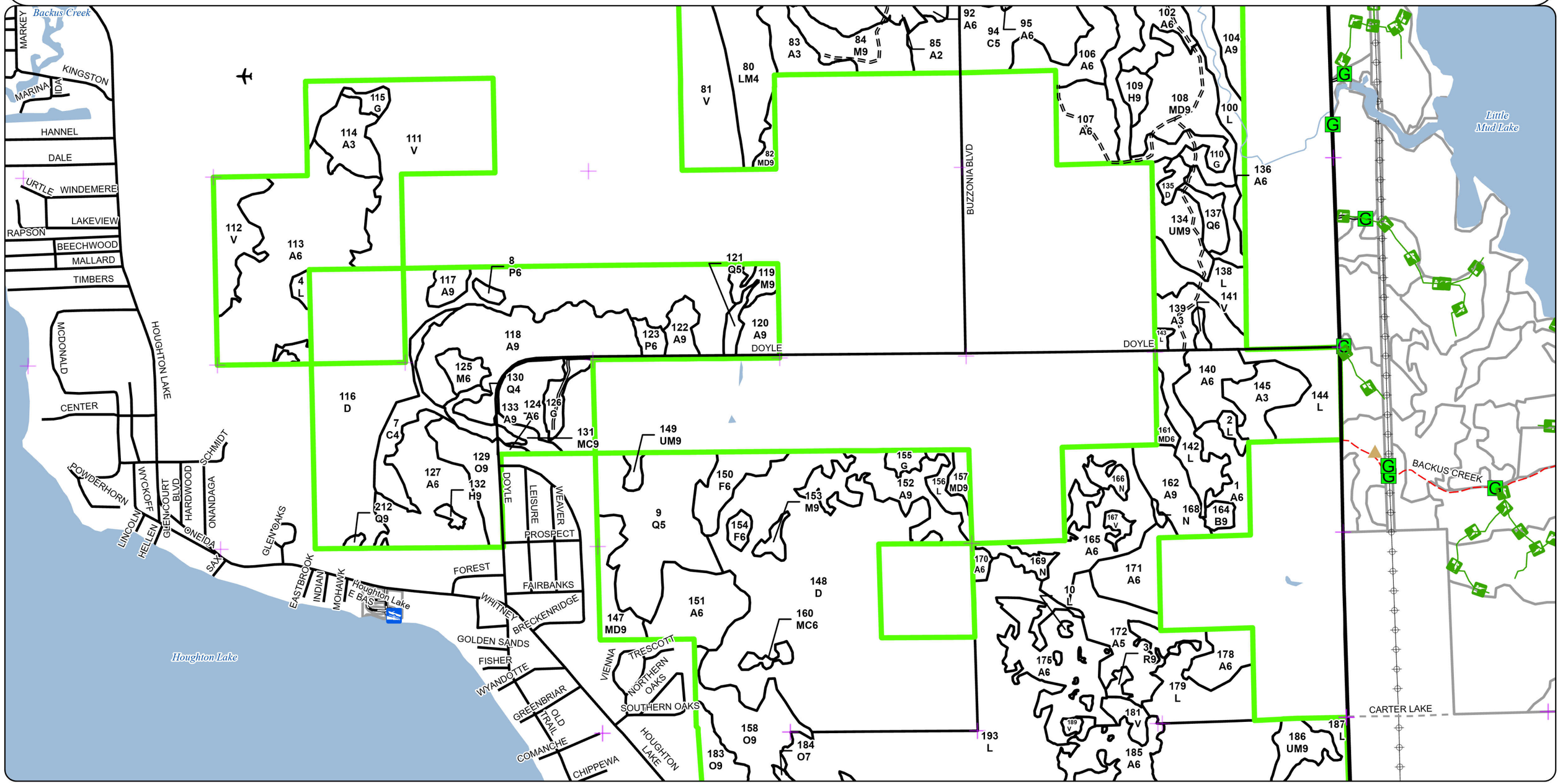

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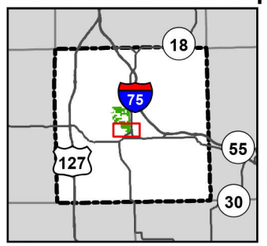

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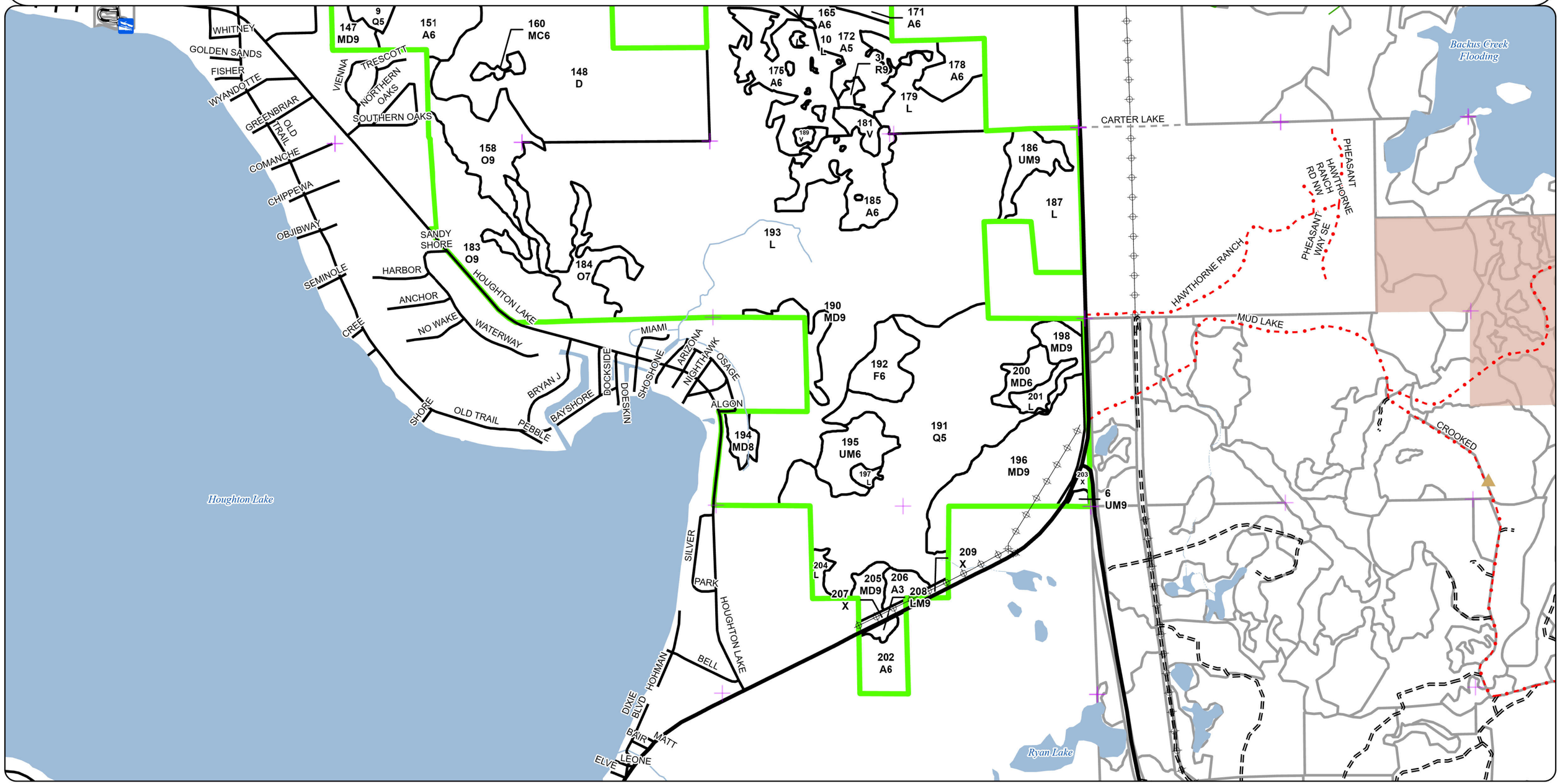

Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit **Compartment 29** **Year of Entry 2027**

Doug Tyran : Examiner

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	17	75	118	124	603	35	75	0	1	0	0	0	0	0	0	0	0	**1046**
Bog	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**174**
Cedar	0	0	0	0	0	0	0	0	0	0	109	61	0	89	0	0	0	0	**259**
Hemlock	0	0	0	0	0	0	0	0	0	0	5	19	2	0	0	0	0	0	**26**
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**31**
Lowland Aspen/Balsam Poplar	0	0	0	2	0	0	3	4	0	0	0	0	0	0	0	0	0	0	**9**
Lowland Conifers	0	0	0	0	0	0	13	0	0	5	0	5	1	0	0	0	0	319	**343**
Lowland Deciduous	0	0	44	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**55**
Lowland Mixed Forest	0	0	115	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**117**
Lowland Shrub	1070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1070**
Lowland Spruce/Fir	0	0	0	0	0	0	25	0	0	0	0	4	0	0	0	0	0	0	**29**
Marsh	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**30**
Mixed Upland Deciduous	0	0	0	0	0	0	8	13	4	19	43	7	0	0	0	0	0	104	**197**
Northern Hardwood	0	0	0	0	0	0	0	26	44	9	18	34	0	0	0	0	0	0	**131**
Oak	0	0	0	0	0	0	0	19	0	0	35	50	0	0	0	0	0	24	**128**
Paper Birch	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	**3**
Red Pine	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**2**
Treed Bog	358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**358**
Upland Conifers	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	**7**
Upland Mixed Forest	0	0	0	0	18	0	0	12	1	0	0	0	0	0	4	0	0	20	**55**
Upland Spruce/Fir	0	0	0	0	0	0	9	30	0	0	0	0	0	0	0	0	0	0	**39**
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**11**
Total	**1684**	**17**	**234**	**131**	**142**	**603**	**96**	**183**	**56**	**34**	**210**	**180**	**3**	**89**	**4**	**0**	**0**	**467**	**4130**

Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2027

Compartment 29
Total Compartment Acres: 4,132

Acres of Harvest

Commercial Harvest - 485
Harvests with Site Condition - 260
Next Step Harvest - 25
Habitat Cut - 98

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	308	0	0	0	0	0	0	0	0	**308**
Mixed Upland Deciduous	17	0	0	21	0	0	79	0	0	**117**
Northern Hardwood	6	0	0	0	0	0	0	0	0	**6**
Oak	0	0	0	0	0	54	0	0	0	**54**
Paper Birch	0	0	0	3	0	0	0	0	0	**3**
Total	**331**	**0**	**0**	**24**	**0**	**54**	**79**	**0**	**0**	**488**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	488	0	0	0	0	0	0	0	8	**499**
Next Step	25	0	0	0	0	0	379	0	0	**405**
Total	**513**	**0**	**0**	**0**	**0**	**0**	**379**	**0**	**8**	**904**

Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
158	**71029158-Cut**	34.9	4124 - Red with White Oak	9	97	111-140	Harvest	Thinning	412 - Oak Types	Cutting Record	No

Prescription Specs: Thin down to 60-80 BA. Apply oak wilt spec.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

77	**71029077-Cut**	60.8	4130 - Aspen	6	49	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut. Utilize retention around any wet areas. Apply drumming log spec and brush pile spec along wet edges.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen and other hardwoods at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

88	**71029088-Opening**	2.7	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 18.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
91	**71029091-NF**	2.1	3105 - Mixed Upland Herbaceous	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 19.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

117	**71029117-Cut**	5.7	4130 - Aspen	9	60	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Use retention for any necessary wetland buffers. Apply drumming log spec.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mx of aspen, red maple or oak Moderate to full stocking.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

118	**71029118-Cut**	58.9	4130 - Aspen	9	60	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut. Do not cut hemlock. Mark to leave 1-2 trees per acre of white/red oak and white pine from the 55yr old cohort. There are some pole/sapling sugar maple on the north side of the stand along the trail going to 117. mark to leave these. Apply retention to adhere to any open wetland BMPs. Apply brush pile spec along conifer edge to the west. Apply drumming log spec.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with a minor component of oak, pine, and red maple at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
119	71029119-Cut	6.1	4119 - Mixed Northern Hardwoods	9	60	81-110	Harvest	Clearcut	4119 - Mixed Northern Hardwoods	Planting Record	No

Prescription Specs: Clearcut 2" and up.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of red maple with birch and aspen at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

120	71029120-Cut	10.7	4130 - Aspen	9	60	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Use retention for any needed wetland buffers. Mark to leave ~10 red oak and white pine for mast and aesthetics. Apply brush pile and drumming log specs.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of white pine birch, and red maple at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

126	71029126-NF	6.3	3102 - Grass	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, East Markey Field 10.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

129	71029129-Cut	19.1	4125 - Black, N. Pin Oak	9	63	111-140	Harvest	Thinning	412 - Oak Types	Cutting Record	Yes

Prescription Specs: Thin down to 70-90 BA. Focus on removing the older oaks to put growth on small log and pole size oaks. Specify to remove all aspen. Apply oak wilt spec.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63	71029063-Cut	29.1	4199 - Other Mixed Upland Deciduous	9	93	81-110	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Planting Record	Yes

Prescription Specs: Remove all stems 8" and up. Apply brush pile spec along lowland areas.

Next Step Treatments:

Acceptable Regen: Any mix of aspen, red maple, white pine, and fir at fully stocked levels.

Other Comment:

Site Condition: Unknown Access

Proposed Start Date: 10/01/2026

151	71029151-Cut	27.1	4131 - Aspen, Oak	6	50	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Mark to leave 1-3 TPA of Red, White oak and white pine for mast and aesthetics. Use retention for any necessary wetland buffers. Apply drumming log spec and brush pile spec.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of oak, pine, and red maple at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

205	71029205-Cut	6.5	4191 - Mixed Upland Deciduous with Conifer	9	102	81-110	Harvest	Seed Tree	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No

Prescription Specs: Cut all stems 2" and up. Mark to leave 6 trees per acre of white pine, white oak, and red oak. Apply oak wilt spec. Apply brush pile spec to lowland edge.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of red maple, red oak, and white pine at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
162	71029162-Cut	16.7	4130 - Aspen	9	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Do not cut Sugar Maple. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of other hardwoods at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

164	71029164-Cut	3.3	4140 - Other Upland Deciduous	9	72	81-110	Harvest	Seed Tree	4193 - Birch, Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. No retention due to small stand size. Mark to leave 3-5 paper birch per acre as an experiment to regenerate birch. Do not cut sugar maple. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of birch, aspen and sugar maple at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

165	71029165-Cut	25.5	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Utilize retention near wet areas. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of other hardwoods at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

171	71029171-Cut	17.0	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Utilize retention near wet areas. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of other hardwoods at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
172	71029172-Cut	25.4	4130 - Aspen	5	46	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Utilize retention near wet areas. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Do not cut red pine. Crane matts needed to cross stand 2.

Next Step Treatments: Harvest, Clearcut with Retention

Acceptable Regen: Any mix of aspen with minor components of other hardwoods or red pine at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

175	71029175-Cut	35.2	4130 - Aspen	6	46	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Utilize retention near wet areas. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Do not cut red pine. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of other hardwoods at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

185	71029185-Cut	24.7	4130 - Aspen	6	46	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut 2" and up. Utilize retention near wet areas. Treatment area may be significantly less than prescribed due to wet/saturated soils. Implement drumming log spec. Implement brush pile spec along wet edges. Crane matts needed to cross stand 2.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of aspen with minor components of other hardwoods at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

196	71029196-Cut	50.1	4191 - Mixed Upland Deciduous with Conifer	9	103	81-110	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Planting Record	Yes

Prescription Specs: Cut all trees 8" and up.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of red maple, aspen, oak, white pine, and fir at fully stocked levels.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
198	71029198-Cut	9.1	4199 - Other Mixed Upland Deciduous	9	81	51-80	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No

Prescription Specs: Cut all trees 2" and up. No retention due to small stand size. Use brush pile spec along lowland edge.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Maple, Fire, Aspen & Oak that minimum stocking requirements.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
198	71029200-Cut	7.9	4199 - Other Mixed Upland Deciduous	9	81	51-80	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No

Prescription Specs: Cut all trees 2" and up. No retention due to small stand size. Use brush pile spec along lowland edge.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Maple, Fir, Aspen & Oak at minimum stocking requirements.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
147	71029147-Cut	14.0	4191 - Mixed Upland Deciduous with Conifer	9	96	111-140	Harvest	Seed Tree	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No

Prescription Specs: Mark to leave no more than 30 BA of white pine, white oak, red oak.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of red maple, white and red oak, and white pine at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

Total Treatment Acreage Proposed: 498.9

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Tyran: Examiner

Compartment: 29

Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions *2B*	*2I*	*5C*	5F	1C	2A	2G	2H	3G	5A	5E
958	645	***191***	123	**Aspen**	***74***	***117***			84	27		2			9
174	174	***0***	0	**Bog**											
259	16	***41***	202	**Cedar**	***41***						202				
26	0	***0***	26	**Hemlock**										26	
31	31	***0***	0	**Herbaceous Openland**											
10	6	***0***	3	**Lowland Aspen/Balsam Poplar**							3				
343	60	***0***	283	**Lowland Conifers**							283				
56	0	***0***	56	**Lowland Deciduous**							56				
117	0	***0***	117	**Lowland Mixed Forest**							115				2
1070	1047	***0***	23	**Lowland Shrub**							23				
28	4	***0***	25	**Lowland Spruce/Fir**							25				
30	30	***0***	0	**Marsh**											
197	98	***86***	13	**Mixed Upland Deciduous**	***29***	***21***		36		4		9			
119	21	***73***	25	**Northern Hardwood**	***36***	***6***	***31***					23			2
112	104	***0***	8	**Oak**											8
3	3	***0***	0	**Paper Birch**											
2	2	***0***	0	**Red Pine**											
358	358	***0***	0	**Treed Bog**											
7	4	***0***	3	**Upland Conifers**								3			
55	12	***21***	22	**Upland Mixed Forest**	***4***			17		3		18	1		
39	6	***14***	19	**Upland Spruce/Fir**	***14***							19			
10	5	***0***	6	**Urban**									6		
11	11	***0***	0	**Water**											
4,014	2,638	***425***	951	Total Forested Acres	***197***	***144***	***31***	53	84	34	706	74	7	26	21
	66%	***11%***	24%	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**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

2	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	**Unavailable**	**5E: Long-Term Retention**	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	**Available**	**2I: Survey needed**	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: NW, SW, & NE of Private 1/4 1/4.							
5	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

8	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	141	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	**Unavailable**	**5A: Not able to obtain desirable regeneration**	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	145	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	**Unavailable**	**2A: Adjacent landowner denied access**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

14	**Unavailable**	**2A: Adjacent landowner denied access**	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	**Unavailable**	**5A: Not able to obtain desirable regeneration**	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	**Available**	**2I: Survey needed**	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Need both ends of EW line.							
19	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

20	**Unavailable**	**1C: Other Dept. or Div. process**	84	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Possible disposal.							
21	**Unavailable**	**5E: Long-Term Retention**	2	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments:							
22	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	115	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	**Unavailable**	**5E: Long-Term Retention**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Bog/open wetland adjacent.							
24	**Available**	**2I: Survey needed**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	**Unavailable**	**3G: Other influence zones - See comments**	7	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments: Highly visual area right off M-18.							
26	**Available**	**2I: Survey needed**	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

27	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

28	**Available**	**2I: Survey needed**	26	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Could not find pin in bog to the NW.

29	**Available**	**2I: Survey needed**	7	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

30	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Bog/open wetland adjacent.

31	**Available**	**2I: Survey needed**	6	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

32	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	18	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

33	**Available**	**2I: Survey needed**	11	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

34	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	29	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

35	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

36	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

NW, SW, & NE of Private 1/4 1/4.

37	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	16	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

38	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	9	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

39	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	11	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Could not find pin in bog to the NW.

40	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	**Unavailable**	**5E: Long-Term Retention**	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

53	**Unavailable**	**2A: Adjacent landowner denied access**	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
59	**Unavailable**	**5A: Not able to obtain desirable regeneration**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	**Available**	**5F: Evaluated for Forest Health Considerations**	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
68	**Available**	**5F: Evaluated for Forest Health Considerations**	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

69	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
71	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	48	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
75	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analyisis							
76	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

79	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
80	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
81	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
82	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
83	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
87	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	44	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							

88	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	20	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

89	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	47	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

checked during spruce budworm analyissisisisisis

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

Report 7 – Stands

Compartment: 29
Year of Entry: 2027

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4130 - Aspen		13.9	46	81-110	N/A	OI Stand Year Origin 1979.Quaking increases to the NW. Small norway spruce inclusion in the SE corner <1 acre.
2	6229 - Mixed Lowland Shrub	Unspecifed	2.7			No	Past heavy recreational riding in the south end has led to the proliferation of paper birch and Tamarack in the south end.
3	42210 - Natural Red Pine	Sawtimber Well	2.2	78	81-110	N/A	Natural red pine stand that is gradually seeding in around its perimeter.
4	6229 - Mixed Lowland Shrub		4.7			No	High spots with aspen, red maple, white pine.
5	4119 - Mixed Northern Hardwoods		10.9	63	81-110	N/A	

1

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	7	Seedling	8	
Norway Spruce	2	Seedling	9	
Red Maple	13	Seedling	8	
Bigtooth Aspen	48		9	46
Quaking Aspen	25	Seedling	8	
Black Spruce	5	Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet
White Pine	Trace	>20 feet	>20 feet
Balsam Fir	Low	Variable	Variable

2

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	< 5 feet	< 5 feet
Scotch Pine	Trace	5 - 10 feet	5 - 10 feet
Paper Birch	Low	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Oak	Low	5 - 10 feet	5 - 10 feet

3

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	10	Seedling	7	36
Red Pine	50		16	78
Red Pine	40	Seedling	8	36

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Red Pine	Low	10 - 20 feet	10 - 20 feet

4

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

5

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2		15	
Red Oak	5		22	
Red Maple	75		10	63
Paper Birch	15		9	
Bigtooth Aspen	3		17	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Medium	>20 feet	>20 feet
Beech	Trace	5 - 10 feet	5 - 10 feet
White Oak	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4310 - Pine, Oak Mix		1.3	70	111-140	N/A	This stand is between M-18 and M-157. Given the size and location, it will likely never be comercially harvested. Best to leave for senic values. Some dead red oak.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	4		10	
Red Maple	1		10	
White Oak	5		9	
Black/Red (Hybrid) Oak	39		16	
White Pine	50		14	70
Jack Pine	1	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	10 - 20 feet
Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
White Pine	High	Variable	Variable
White Pine	Medium	< 5 feet	< 5 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	6120 - Lowland Cedar		15.9	96	1-50	N/A	Lowland upland transition has some larger hemlock and white pine. Ocassional beech.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	35	Sapling	7	
White Pine	9		12	
Black Spruce	5	Sapling	7	
Northern White Cedar	50	Seedling	8	96
Hemlock	1		12	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	6112 - Lowland Aspen		1.9	29	1-50	N/A	Originating from an old habitat cut. See cutting records.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	99	Sapling	5	29
Northern White Cedar	1		9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
Balsam Fir	Full	10 - 20 feet	10 - 20 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	6129 - Mixed Coniferous Lowland Forest		58.9	98	1-50	N/A	The older cedar are in rough shape with a lot of heart rot. Changes in hydrology and windthrow have resulted in fir of variable age throughout.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3		24	
Black Spruce	10	Pole	4	
Northern White Cedar	46	Seedling	9	98
Hemlock	1	Seedling	8	
Balsam Fir	30	Pole	4	48
Red Maple	5		12	
Paper Birch	5	Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Spruce	Trace	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet
Michigan Holly	Trace	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	6229 - Mixed Lowland Shrub	Poletimber Well	2.5			No	Tag alder inclusions within 175 and 185.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
44	6122 - Black Spruce		24.6	58	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	40	Sapling	5	
Black Spruce	60	Sapling	6	58

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	42330 - Upland Fir		5.5	59	51-80	N/A	
46	4134 - Aspen, Spruce/Fir		45.4	31	81-110	N/A	Trace ammounts of tamarack, black spruce, oak, red pine<1%.
47	4119 - Mixed Northern Hardwoods		6.1	71	1-50	N/A	Sale set up by JH and cut by Omell in March 2012, left oak and R/W pine.
49	6123 - Lowland Fir		4.9	80	1-50	N/A	OI Stand Year Origin was 1925. Cored to 1945.
50	6239 - Mixed Emergent Wetland		15.4			No	Beaver activity to the south and west.
52	6122 - Black Spruce		3.6	109	1-50	N/A	Lowland area gradually filling in with spruce.

45

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10		20	
Balsam Fir	69	Sapling	5	59
Black Spruce	10	Seedling	5	
Red Maple	10		14	
Paper Birch	1		9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Pine	Low	5 - 10 feet	5 - 10 feet

46

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3		10	
Balsam Fir	30	Seedling	7	
Red Maple	8	Seedling	6	
Paper Birch	1	Sapling	5	
Bigtooth Aspen	25	Seedling	8	
Quaking Aspen	33	Seedling	7	31

47

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	20		15	
White Pine	10		14	
Red Maple	70		12	71

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	Medium	10 - 20 feet	10 - 20 feet

49

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	10	Seedling	7	
Balsam Fir	83	Seedling	8	80
Northern White Cedar	7	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

50

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Tag Alder	High	5 - 10 feet	5 - 10 feet

52

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	Sapling	5	
Jack Pine	1	Sapling	5	
Black Spruce	98	Seedling	9	109

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4130 - Aspen		79.1	42	81-110	N/A	Subcanopy varies from red maple in the higher spots to balsam fir in the lower spots. A small amount of black spruce in the nw corner. Old skid trail runs through stand. Heavy beaver activity in the SE corner.
54	6128 - Lowland Coniferous, Mixed Deciduous		68.0	44	51-80	N/A	Cedar cored to 97. Fir 44. Windthrow has led to an uneven aged structure. Occasional supercanopy white pine.
55	4130 - Aspen		64.6	28	1-50	N/A	Fading into fir and spruce on the edges.
57	4190 - Mixed Upland Deciduous with Cedar		17.3	84	51-80	N/A	Variable, diverse stand of maple, aspen and cedar. Pockets of pole size aspen. Some very old, rotten aspen present. Ash used to be a component.
58	4130 - Aspen		6.3	10	Immature	N/A	This stand was from a past timber trespass.

53

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Seedling	8	
Red Maple	10	Seedling	8	
Black Spruce	1	Seedling	7	
Quaking Aspen	74	Seedling	8	42

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Full	>20 feet	>20 feet

54

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	44	Seedling	5	44
Quaking Aspen	3		14	
Red Maple	20		12	
Paper Birch	1		9	
Black Spruce	2	Seedling	9	
Northern White Cedar	30		10	97

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Green Ash	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Trace	5 - 10 feet	5 - 10 feet

55

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	1	Seedling	6	
Red Maple	5	Seedling	7	
Balsam Fir	15	Seedling	6	
Quaking Aspen	78	Seedling	6	28
Black Spruce	1	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
White Oak	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

57

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	8		15	
Northern White Cedar	25		11	110
Red Maple	37		14	84
Quaking Aspen	30		9	35

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Ash (spp.)	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Red Osier Dogwood	Trace	5 - 10 feet	5 - 10 feet

58

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	76	Log	2	10
Red Maple	1		12	
Red Maple	20	Log	1	
Green Ash	1	Log	1	
Balsam Fir	2	Log	4	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	6229 - Mixed Lowland Shrub	Unspecifed	353.5			No	
61	6120 - Lowland Cedar		40.6	120	111-140	N/A	Heard a goshawk while in this stand. BA is variable due to several blow down areas.
62	4112 - Maple, Beech, Cherry Association		9.0	83	111-140	N/A	Some large beech found mostly on south end living with BBD. Keep an eye on these for possible scion collection. Scattered dead ash from EAB. 5-10 years ago there was a north wind event that blew down some trees on the north side. Sugar maple is relegated to the subcanopy and is in rough shape.
63	4199 - Other Mixed Upland Deciduous		29.1	93	81-110	N/A	Old stand of quaking aspen and red maple. Aspen used to be the dominant component but red maple has taken over. Much of it has already come down. There are some scattered wet pockets with cedar and dead ash. There is a cedar swale that runs through the stand.
64	4119 - Mixed Northern Hardwoods		13.0	72	51-80	N/A	Well developed subcanopy.

Stand 60

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Tag Alder	High	5 - 10 feet	5 - 10 feet

Stand 61

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3		12	
Paper Birch	2	Seedling	6	
Quaking Aspen	1		13	
Northern White Cedar	94		10	120

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable

Stand 62

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	1		18	
Red Maple	97		15	83
Beech	2		23	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Red Berried Elder	Trace	5 - 10 feet	5 - 10 feet
Sugar Maple	Trace	>20 feet	>20 feet
Ironwood	Low	5 - 10 feet	5 - 10 feet
Beech	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand 63

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Sapling	6	33
Red Maple	54		16	93
Bigtooth Aspen	10		16	
Northern White Cedar	5	Seedling	9	
Quaking Aspen	25		16	
Quaking Aspen	1	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	Variable	Variable
Beech	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet

Stand 64

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	6	
Northern White Cedar	2		10	
Quaking Aspen	10	Seedling	9	
White Pine	5	Seedling	8	32
Red Maple	78		14	72

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	>20 feet	>20 feet
Balsam Fir	Medium	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet
Beech	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	4130 - Aspen		3.7	33	1-50	N/A	Appears to have been cut with the compartment to the north.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	Sapling	5	
Balsam Fir	5	Sapling	5	
Red Maple	15	Sapling	5	
Quaking Aspen	79	Sapling	6	33

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
66	4311 - Pine, Aspen Mix		3.6	130	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	53		24	130
White Pine	5	Seedling	6	
Red Maple	10	Sapling	6	
Paper Birch	7	Seedling	6	
Bigtooth Aspen	15	Seedling	8	36
Quaking Aspen	10	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Hemlock	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	4130 - Aspen		57.5	43	51-80	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	1	Seedling	6	
Red Maple	10	Pole	4	
Paper Birch	1	Seedling	6	
Bigtooth Aspen	10	Seedling	8	
Quaking Aspen	78	Seedling	7	43

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Trace	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
American Elm	Trace	>20 feet	>20 feet
Balsam Fir	Low	Variable	Variable
Sugar Maple	Trace	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
Paper Birch	Trace	>20 feet	>20 feet
Leatherwood	Trace	< 5 feet	< 5 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Ash (spp.)	Low	>20 feet	>20 feet
Ironwood	Medium	>20 feet	>20 feet
Pin Cherry	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	4119 - Mixed Northern Hardwoods		13.9	93	111-140	N/A	Nice little hardwood stand dominated by soft and hard maple. There is about 10-20 BA of good quality ash killed by EAB- old notes. Soft maple cored from 86 to 93. Beech has BBD but appears to still have healthy crowns.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	27		17	
Sugar Maple	35		14	
Red Maple	35		15	93
Beech	3		17	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Trace	< 5 feet	< 5 feet
Beech	Low	5 - 10 feet	5 - 10 feet
Yellow Birch	Trace	10 - 20 feet	10 - 20 feet
Ironwood	Low	>20 feet	>20 feet
Sugar Maple	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	6115 - Lowland Ash		44.2	15	1-50	N/A	Stand was a lowland ash stand with scattered cedar. All canopy ash are dead and from EAB. Stand has a good component of ash saplings still alive.
70	6129 - Mixed Coniferous Lowland Forest		46.6	78	51-80	N/A	The initial 120 old cohort has given way to a fairly even mix of pole size cedar and fir. A lot of ash mortality and ash saplings. The mortality and windthrow of cedar has made the age classes quite variable.
71	42350 - Upland Hemlock		18.9	107	111-140	N/A	Nice hemlock stand with scattered large white pine. Hemlock saplings are establishing well in areas where there is a red maple overstory.
72	4119 - Mixed Northern Hardwoods		20.0	72	111-140	N/A	There is a small opening within stand dominated by braken fern. Hemlock on the north end. This stand has the most consistent hemlock sapling component that I have seen in the unit.
73	6115 - Lowland Ash		11.4	27	1-50	N/A	Lowland ash stand where all larger ash are dead from EAB. Young saplings under 5" but alive. Some scattered yellow birch.

69

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Sapling	6	
Northern White Cedar	3	Seedling	7	90
Black Ash	95	Log	1	15

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	5 - 10 feet	5 - 10 feet

70

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	40	Seedling	6	
Red Maple	9	Seedling	8	50
Paper Birch	3	Sapling	7	
Northern White Cedar	4		10	120
Northern White Cedar	43	Seedling	7	78
Yellow Birch	1	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable

71

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5		22	
Hemlock	83		14	107
Red Maple	10		11	
Paper Birch	2	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Hemlock	Low	10 - 20 feet	10 - 20 feet

72

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1		24	
Balsam Fir	4	Seedling	9	
Red Oak	15		16	93
Hemlock	5		16	
Red Maple	75		11	72

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	Variable	Variable

73

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	7	
Basswood	1		16	
Northern White Cedar	5	Seedling	7	
Red Maple	5		10	
Green Ash	84	Pole	3	27

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
75	6229 - Mixed Lowland Shrub		35.2			No	
76	6224 - Treed Bog		7.4			No	
77	4130 - Aspen		60.8	49	81-110	N/A	
80	6132 - Mixed Lowland Forest with Cedar		115.0	15	51-80	N/A	Was once dominated by ash. EAB/hydrology has led to heavy mortality of both ash and cedar. Sapling ash are aggressively taking over, particularly in the south end. The north end is remaining more conifer dominated.
81	6225 - Bog	Unspecifed	70.9			No	
82	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.1	87	1-50	N/A	
83	4130 - Aspen	Sapling Well	33.0	21	Immature	N/A	Mixed aspen stand with some beech regen. A few beech mast/den trees left after harvest. Somm areas regenerated poorly due to high water table. They are now filled with grass and some raspberry. Clay soils.

75

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

76

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Spruce	Low	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

77

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	1		9	
Quaking Aspen	99		10	49

Sub-Canopy Species	Density	Avg. Height	Size
Musclewood/Hornbeam	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Red Maple	High	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet
Ash (spp.)	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet

80

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	29	Seedling	5	
Northern White Cedar	30	Seedling	8	77
Red Maple	10		12	
Green Ash	31	Log	3	15

Sub-Canopy Species	Density	Avg. Height	Size
Green Ash	Medium	5 - 10 feet	5 - 10 feet

83

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Log	4	21
Red Maple	3	Log	3	
Paper Birch	7	Log	3	
Bigtooth Aspen	30	Log	4	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	10 - 20 feet	10 - 20 feet
Beech	Medium	10 - 20 feet	10 - 20 feet
Ash (spp.)	Trace	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	4110 - Sugar Maple Association		21.0	103	81-110	N/A	Nice quality northern hardwoods site. Sugar maple, beech, yellow birch and baswood present. All species showing good form. Little to no hard maple seedlings in understory. Little recruitment throughout stand. CUT IN FALL 2002/WINTER 2003. Old sale also indicates it was thinned around the mid 1940's and again in the mid 1960's. Ash was salvaged in the winter of 13, 14. Beech has BBD.
85	4130 - Aspen		8.3	4	Immature	N/A	Cut 2021.
86	4130 - Aspen	Sapling Well	13.2	15	1-50	N/A	Young aspen stand with some mature maple and birch left after harvest. Some wet areas did not regenerate well.
87	6112 - Lowland Aspen	Poletimber Well	3.3	50	81-110	N/A	
88	3102 - Grass	Unspecifed	3.4			Yes	
89	4130 - Aspen	Sapling Medium	8.8	4	Immature	N/A	Cut 2021

84 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	1		12	
Sugar Maple	58		13	103
Red Maple	5		14	
Paper Birch	1	Seedling	9	
Beech	10		15	
Basswood	25		15	

84 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	10 - 20 feet
Beech	Medium	10 - 20 feet	10 - 20 feet
Leatherwood	Trace	5 - 10 feet	5 - 10 feet

85 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	1	Log	1	
Black Cherry	1	Log	1	
Red Maple	5	Log	1	
Bigtooth Aspen	40	Log	1	
Quaking Aspen	52	Log	1	4
Beech	1	Log	1	

86 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10		13	
Paper Birch	2		10	
Bigtooth Aspen	23	Log	3	
Quaking Aspen	60	Log	3	15
Balsam Fir	5	Sapling	6	

87 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	30	Seedling	8	50
Quaking Aspen	60	Seedling	8	50
Balsam Fir	10	Seedling	8	

87 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Green Ash	Medium	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

89 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	1	Log	2	
Black/Red (Hybrid) Oak	5	Log	1	
Sugar Maple	2		17	
Bigtooth Aspen	57	Log	1	4
Quaking Aspen	35	Log	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
90	4110 - Sugar Maple Association		12.8	100	81-110	N/A	Thinned in 2021.
91	3105 - Mixed Upland Herbaceous	Unspecifed	3.8			Yes	
92	4130 - Aspen		6.6	21	1-50	N/A	Mostly quaking aspen with a few big tooth aspen. Some ash regeneration present. Some balsam fir, red maple poles left from harvest.
94	6120 - Lowland Cedar	Poletimber Medium	93.3	98	1-50	N/A	Mix of black ash and cedar on site with very high water table.2025 Ash component is dead. Conifers predominate.
95	4130 - Aspen		5.4	44	81-110	N/A	Survey along the north line. Hummocky. Some beech in understory along transition to private. Black ash understory in lower spots.
97	6120 - Lowland Cedar		60.7	105	81-110	N/A	

90

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	2		16	
Sugar Maple	96		12	100
Red Maple	2		12	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Variable
Ironwood	Medium	5 - 10 feet	5 - 10 feet

91

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Trace	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet

92

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Seedling	5	21
Red Maple	3	Seedling	5	
Bigtooth Aspen	15	Seedling	5	
Balsam Fir	2	Seedling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Ash (spp.)	Low	10 - 20 feet	10 - 20 feet

94

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1		18	
Paper Birch	10	Sapling	6	
Northern White Cedar	53		8	98
American Elm	1	Seedling	8	
Balsam Fir	30		9	
Tamarack	5		10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet

95

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	1	Seedling	9	
Balsam Fir	1	Seedling	8	
Quaking Aspen	98		10	44

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Beech	Trace	10 - 20 feet	10 - 20 feet
Ash (spp.)	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet

97

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	40	Seedling	5	40
Red Maple	10	Seedling	8	
Northern White Cedar	50		12	105

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
98	4119 - Mixed Northern Hardwoods		3.8	97	111-140	N/A	Some beech present with BBD but still have healthy crowns. Sugar Maple is mostly relegated to the subcanopy and has been repeatedly girdled by squirrels/porcupine. Ash was once a component. Elderberry present on tip up mounds.
99	500 - Water	Unspecifed	11.0			No	7/20/23: Updated to non-OI cover type.
100	6229 - Mixed Lowland Shrub		124.3			No	
101	4134 - Aspen, Spruce/Fir	Sapling Well	4.8	35	1-50	N/A	OI Stand Year Origin was 1990. See compartment folder.
102	4130 - Aspen		17.2	33	81-110	N/A	OI Stand Year Origin was 1979. Cored to 1992.
103	6120 - Lowland Cedar		48.3	121	51-80	N/A	OI Stand Year Origin was 1904. Cedar is dying out homogeneously across the stand, likely from a change in hydrology. Supercanopy white pine.

98

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	15		18	
Sugar Maple	1		12	
Red Maple	68		17	97
Beech	1		24	
Balsam Fir	15	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Berried Elder	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Sugar Maple	Trace	>20 feet	>20 feet
Sugar Maple	Trace	>20 feet	>20 feet
Beech	Low	< 5 feet	< 5 feet
Ash (spp.)	Trace	< 5 feet	< 5 feet
Ironwood	Trace	< 5 feet	< 5 feet

100

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Tag Alder	High	5 - 10 feet	5 - 10 feet
Red Osier Dogwood	Low	5 - 10 feet	5 - 10 feet

101

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Seedling	7	
Balsam Fir	20	Log	4	
Black/Red (Hybrid) Oak	5	Log	4	
Red Maple	15	Log	4	
Paper Birch	5	Log	4	
Bigtooth Aspen	50	Sapling	5	35

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	High	10 - 20 feet	10 - 20 feet
White Oak	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Beech	Trace	10 - 20 feet	10 - 20 feet

102

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	7	
White Pine	5		26	
Red Oak	5		24	
Hemlock	2		10	
Red Maple	10	Seedling	6	
Bigtooth Aspen	40	Seedling	8	33
Quaking Aspen	33	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Trace	10 - 20 feet	10 - 20 feet
Red Maple	High	>20 feet	>20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Beech	Low	10 - 20 feet	10 - 20 feet

103

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	9		20	
Black Spruce	1		12	
Northern White Cedar	90		9	121

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
104	4134 - Aspen, Spruce/Fir		15.2	46	1-50	N/A	OI Stand Year Origin was 1979. Confirmed by old aerials. Some residual fir advance regen was present after the cut, hence the older age.
105	3102 - Grass	Unspecifed	2.6			Yes	OPIC - FMD: MAINTAINED WILDLIFE OPENING.
106	4130 - Aspen		19.2	33	1-50	N/A	
107	4130 - Aspen		21.3	36	51-80	N/A	Pocket of nice birch regen in the se corner.

104

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2		22	
White Pine	1		26	
Balsam Fir	20		9	52
Quaking Aspen	50		10	46
Paper Birch	12		10	
Bigtooth Aspen	15		10	46

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable

105

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Low	>20 feet	>20 feet
Aspen (spp.)	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet

106

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	97	Seedling	7	33
Northern White Cedar	1	Seedling	6	
Balsam Fir	2	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	>20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

107

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2	Seedling	8	
White Pine	1	Sapling	6	
Black Cherry	1	Sapling	5	
Balsam Fir	2	Seedling	8	
Paper Birch	1	Seedling	6	
White Ash	1	Sapling	5	
Quaking Aspen	92	Seedling	8	36

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Ash (spp.)	Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
108	4191 - Mixed Upland Deciduous with Conifer		36.1	66	111-140	N/A	Sapling oak recruitment in canopy gaps.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	15		17	
Balsam Fir	7	Seedling	7	
Beech	5		17	
Red Oak	13		22	94
Hemlock	10		16	94
Black/Red (Hybrid) Oak	5	Sapling	5	30
White Pine	7		16	66
Red Maple	38		10	66

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	>20 feet	>20 feet
Balsam Fir	Medium	Variable	Variable
Red Oak	Low	10 - 20 feet	10 - 20 feet
Hemlock	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	42350 - Upland Hemlock	Sawtimber Well	5.2	94	171-200	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	25		22	
Paper Birch	2		12	
Northern White Cedar	10	Seedling	8	
Hemlock	63		15	94

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Medium	>20 feet	>20 feet
White Pine	Trace	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
110	3102 - Grass	Unspecifed	8.3			Yes	OPIC - FMD: MAINTAINED WILDLIFE OPENING.

Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
111	6225 - Bog		71.7			No	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
112	6225 - Bog		20.3			No	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	< 5 feet	< 5 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
113	4131 - Aspen, Oak		84.1	45	111-140	N/A	The was supposedly an eagle's nest here in the past. Could not find it in 2025.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1		17	
Red Maple	5	Seedling	9	45
Bigtooth Aspen	57		9	45
White Oak	5		18	
Balsam Fir	1	Seedling	6	
Red Pine	1		13	
Red Oak	15		18	98
Red Oak	5	Seedling	9	45
Quaking Aspen	10		9	45

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Beech	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
114	4130 - Aspen		16.0	16	Immature	N/A	Area was Illegally cleared by the Roscommon Co. Airport. Trace amounts of white oak and white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	1	Log	3	
Red Maple	1	Log	2	
Quaking Aspen	98	Log	4	16

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
115	3102 - Grass		3.5			No	

Sub-Canopy Species	Density	Avg. Height	Size
Scotch Pine	Trace	5 - 10 feet	5 - 10 feet
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Low	>20 feet	>20 feet
Paper Birch	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
116	6224 - Treed Bog	Unspecifed	129.2			No	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Leatherleaf	Full	< 5 feet	< 5 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
117	4130 - Aspen	Sawtimber Well	5.7	60	81-110	N/A	In decline.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	1	Seedling	8	
Red Maple	6		10	
Bigtooth Aspen	7		13	
Quaking Aspen	86		13	60

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Trace	>20 feet	>20 feet
Balsam Fir	High	Variable	Variable
Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Trace	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
118	4130 - Aspen		58.9	60	111-140	N/A	A mix of Bigtooth and quaking aspen with soft maple. Quaking is showing signs of decline. A few older red oaks in overstory left from last cut. 2 mature hemlock observed and occasional sapling hemlock. There are a few red and white oak left from the last harvest.
119	4119 - Mixed Northern Hardwoods	Sawtimber Well	6.1	60	81-110	N/A	Some wet areas within stand especially to the north.
120	4130 - Aspen	Sawtimber Well	10.7	60	81-110	N/A	Cedar and hemlock along west swamp edge. A few red oak poles must have been left last harvest.
121	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	4.7	105	1-50	N/A	
122	4130 - Aspen		7.5	52	81-110	N/A	

118

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Seedling	9	
Black/Red (Hybrid) Oak	1		10	
White Pine	2		14	
Red Maple	20		10	
Bigtooth Aspen	50		12	60
Quaking Aspen	20		12	
Red Oak	5		17	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Red Maple	Low	>20 feet	>20 feet
Paper Birch	Trace	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Hemlock	Trace	10 - 20 feet	10 - 20 feet

119

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	6	
Red Maple	75		11	60
Paper Birch	5	Seedling	8	
Quaking Aspen	15		10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable

120

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20		11	60
Red Oak	10		16	
Balsam Fir	2	Seedling	8	
Red Maple	20		10	
Bigtooth Aspen	48		11	60

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
White Oak	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	High	Variable	Variable
Beech	Low	10 - 20 feet	10 - 20 feet

121

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Sapling	6	
Northern White Cedar	40	Seedling	7	105
Red Maple	30	Seedling	9	
Paper Birch	5	Seedling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

122

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5		15	
Red Pine	5		15	
Red Maple	10	Seedling	9	
Bigtooth Aspen	80		10	52

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Red Pine	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Red Maple	Low	10 - 20 feet	10 - 20 feet
Beech	Trace	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
123	6112 - Lowland Aspen		4.3	60	51-80	N/A	Slow growth possibly due to moisture. Cutting records are vague in this area. Multiple trees cored at around 60. Trace amounts of red and white oak.
124	4130 - Aspen	Poletimber Well	26.5	48	81-110	N/A	
125	4119 - Mixed Northern Hardwoods		6.1	60	81-110	N/A	A couple of hemlock saplings found in the subcanopy.
126	3102 - Grass	Unspecifed	6.3			Yes	
127	4133 - Aspen, Mixed Pine	Poletimber Well	40.0	47	111-140	N/A	Pockets of white pine throughout.

123

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Sapling	6	
White Pine	15		10	
Red Maple	9	Seedling	9	
Paper Birch	5	Seedling	7	
Bigtooth Aspen	33		10	60
Northern White Cedar	3	Seedling	8	
Yellow Birch	5	Seedling	7	
Quaking Aspen	15	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Michigan Holly	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	High	Variable	Variable
White Pine	Low	Variable	Variable

124

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5		12	
Red Maple	10	Seedling	8	
Bigtooth Aspen	60	Seedling	9	48
Quaking Aspen	25	Seedling	8	48

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	>20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
White Oak	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

125

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	75		10	60
Black/Red (Hybrid) Oak	10		12	
White Pine	10		15	
Quaking Aspen	5		9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
Balsam Fir	High	5 - 10 feet	5 - 10 feet
Hemlock	Trace	5 - 10 feet	5 - 10 feet

126

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
Staghorn Sumac	Low	5 - 10 feet	5 - 10 feet
Red Oak	Low	>20 feet	>20 feet
Black Cherry	Low	>20 feet	>20 feet

127

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20		13	
Red Oak	5	Seedling	9	
Red Maple	10	Seedling	8	
Bigtooth Aspen	50	Seedling	9	47
Quaking Aspen	15	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Hemlock	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
129	4125 - Black, N. Pin Oak		19.1	63	111-140	N/A	Heavier, older oak component on south end. Large, healthy white oaks. NW corner is heavier to aspen.
130	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	6.2	55	1-50	N/A	
131	429 - Mixed Upland Conifers	Sawtimber Well	4.4	69	81-110	N/A	Mixed stand of hemlock and cedar. Some red maple and a few old rotten aspen and paper birch.
132	42350 - Upland Hemlock	Sawtimber Well	1.6	118	201+	N/A	A few beech with scale but are surviving for now.
133	4130 - Aspen		1.2	83	81-110	N/A	Small acreage along private property. Aspen is in bad shape and giving way to conifers and red maple.

129

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15		10	
Bigtooth Aspen	14		10	
White Oak	15		19	
Black/Red (Hybrid) Oak	26		11	63
Black/Red (Hybrid) Oak	25		18	118
White Pine	5		12	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet
White Pine	Low	Variable	Variable
Red Maple	Medium	>20 feet	>20 feet
White Oak	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	Variable	Variable

130

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Sapling	6	
Balsam Fir	35	Sapling	6	55
Red Maple	30	Seedling	7	64
Paper Birch	5	Sapling	5	
Northern White Cedar	20	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Tag Alder	High	5 - 10 feet	5 - 10 feet
Ash (spp.)	Low	10 - 20 feet	10 - 20 feet

131

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20		16	
Red Maple	25		10	
Paper Birch	1		9	
Northern White Cedar	10		10	
Hemlock	44		12	69

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Hemlock	Trace	< 5 feet	< 5 feet

132

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5		24	
Red Maple	20		12	
Beech	1		16	
Hemlock	74		16	118

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	>20 feet	>20 feet

133

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	4		13	
White Pine	10		24	
Red Maple	20		10	
Paper Birch	1	Seedling	8	
Quaking Aspen	65		15	83

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Balsam Fir	Low	< 5 feet	< 5 feet
Balsam Fir	Low	>20 feet	>20 feet
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
134	4319 - Mixed Upland Forest		17.0	62	51-80	N/A	
135	6224 - Treed Bog		3.5			No	Treed bog with interesting grass that I have never seen before to the south- old notes. Check in summer. More alder to the north.
136	4130 - Aspen		7.8	42	51-80	N/A	OI Stand Year Origin was 1979. Cored to 1983
137	6124 - Lowland Spruce-Fir		7.1	52	51-80	N/A	OI Stand Year Origin was 1913.Cored to 1973.
138	6229 - Mixed Lowland Shrub		16.0			No	

134

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	19	Seedling	7	
Black/Red (Hybrid) Oak	5	Seedling	8	30
White Pine	20		16	
Black Spruce	5	Seedling	7	
Quaking Aspen	5	Seedling	8	
Red Maple	45		12	62
Paper Birch	1		11	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Beech	Low	5 - 10 feet	5 - 10 feet
White Oak	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	>20 feet	>20 feet

135

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	High	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
Paper Birch	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Spruce	Low	>20 feet	>20 feet

136

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Seedling	9	
White Pine	5		22	
Quaking Aspen	90	Seedling	8	42

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	>20 feet	>20 feet
White Oak	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Full	>20 feet	>20 feet
Beech	Low	10 - 20 feet	10 - 20 feet
Black Spruce	Low	>20 feet	>20 feet

137

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	40	Seedling	6	52
Black Spruce	33	Sapling	7	
Northern White Cedar	10	Seedling	8	
Red Maple	7		12	
Paper Birch	8	Seedling	8	
Yellow Birch	2	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

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Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
139	4130 - Aspen	Sapling Well	16.6	12	Immature	N/A	Cut spring 2012. Occasional white pine, black spruce, red oak left after last cut. Sw corner looks like a retention pocket.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	22	Log	3	
Black/Red (Hybrid) Oak	1	Sapling	6	
Red Maple	2	Log	2	
Bigtooth Aspen	75	Log	3	12

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Trace	5 - 10 feet	5 - 10 feet
Beech	Trace	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site
140	4134 - Aspen, Spruce/Fir	Poletimber Well	17.9	46	81-110	N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	37	Sapling	6	
Red Maple	18	Sapling	5	
Bigtooth Aspen	45	Seedling	8	46

Stand	Level 4 Cover Type	Size Density	Acres	Managed Site
141	6225 - Bog	Unspecifed	2.0	No

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	>20 feet	>20 feet
Black Spruce	Low	>20 feet	>20 feet
Quaking Aspen	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Managed Site
142	6229 - Mixed Lowland Shrub	Unspecifed	17.2	No

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Medium	Not Applicable	Not Applicable
Red Maple	Low	>20 feet	>20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Managed Site	General Comments
143	6229 - Mixed Lowland Shrub	Unspecifed	1.4	No	A lowland part of the adjacent stand that was cut in 2012.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Quaking Aspen	High	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Managed Site
144	6229 - Mixed Lowland Shrub	Unspecifed	25.0	No

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	>20 feet	>20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet
Cattail spp.	High	Not Applicable	Not Applicable
Balsam Fir	Medium	>20 feet	>20 feet
Tamarack	Trace	>20 feet	>20 feet
Black Spruce	Low	>20 feet	>20 feet
Quaking Aspen	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
145	4139 - Aspen, Mixed Deciduous	Sapling Well	17.3	11	Immature	N/A	Harvested in sping of 2014, . All white pine, beech, sugar maple, birch, and oak allegedly left, could not find as beech birch or sm. Very nice regeneration

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Pole	3	
White Pine	3		12	
White Pine	1		12	
Black Cherry	15	Log	2	
Balsam Fir	4	Log	1	
Serviceberry (Juneberry)	4	Log	1	
Quaking Aspen	12	Log	2	
Red Maple	7	Log	2	
Bigtooth Aspen	44	Log	2	11

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
147	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	14.0	96	111-140	N/A	Hemlock pocket towards the middle adjacent to the lowland. Used by adjacent landowners for firewood. Heavy recreational use. Past disturbance/mortality/windthrow has given way to a few pocket of dense sapling/pole white pine. Red maple poles/logs have reached the canopy throughout. Trace paper birch and beech.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	7		16	
Quaking Aspen	5		16	
Red Maple	15		10	49
Bigtooth Aspen	5		16	
Black/Red (Hybrid) Oak	40		16	96
White Pine	18		24	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
148	6224 - Treed Bog		209.7			No	

Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Trace	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet
Michigan Holly	Trace	5 - 10 feet	5 - 10 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Cattail spp.	High	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
149	4319 - Mixed Upland Forest		2.7	65	81-110	N/A	Aspen and fir mortality. Stand is becoming uneven aged due to lack of management.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	45	Seedling	8	65
Red Maple	20		15	
Bigtooth Aspen	20		14	
Black/Red (Hybrid) Oak	5		16	
White Pine	10		14	45

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
150	42330 - Upland Fir		14.3	66	81-110	N/A	Balsam fir , maple and birch. Has illegal org trails and a small 1/4-1/2 acre food plot on north end that hasn't been planted in a few years evidenced by seedling scotch pine.
151	4131 - Aspen, Oak		27.1	50	81-110	N/A	
152	4134 - Aspen, Spruce/Fir	Sawtimber Well	26.9	46	51-80	N/A	
153	4113 - R.Maple, Conifer		3.2	60	81-110	N/A	
154	42330 - Upland Fir		3.1	59	81-110	N/A	Balsam fir and birch stand. Birch is in heavy decline

150

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	64	Seedling	8	66
Black/Red (Hybrid) Oak	1	Seedling	9	
White Pine	5		12	
Red Maple	20		10	
Paper Birch	10	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Oak	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	Variable	Variable

151

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5		16	
Red Pine	1		10	
Red Maple	5	Seedling	9	
Bigtooth Aspen	57	Seedling	9	50
Quaking Aspen	10	Seedling	8	50
Black/Red (Hybrid) Oak	15		16	96
Black/Red (Hybrid) Oak	2	Seedling	9	
White Pine	5		14	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	< 5 feet	< 5 feet
White Pine	Low	>20 feet	>20 feet
Balsam Fir	Low	>20 feet	>20 feet

152

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20		9	
Quaking Aspen	22		11	
Red Maple	20		11	
Paper Birch	3		10	
Bigtooth Aspen	35		12	46

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

153

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10		12	
Balsam Fir	15	Seedling	8	
Red Maple	65		12	60
Paper Birch	5		8	
Red Oak	5		16	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
White Pine	Medium	>20 feet	>20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

154

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15		12	
Paper Birch	10	Seedling	9	
White Pine	5		13	
Balsam Fir	70	Seedling	7	59

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
155	3102 - Grass	Unspecifed	3.5			No	Neighbor to the north has 2 permanent blinds and a food plot on state land.
156	6229 - Mixed Lowland Shrub	Unspecifed	6.6			No	
157	4199 - Other Mixed Upland Deciduous	Sawtimber Well	4.3	66	51-80	N/A	
158	4124 - Red with White Oak		34.9	97	111-140	N/A	Past disturbance has led to 2 canopy ages in some places.
160	429 - Mixed Upland Conifers		2.9	55	111-140	N/A	Seen from 158. Canopy looks like fir, white pine, aspen, red maple, paper birch.

155 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Scotch Pine	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	Full	>20 feet	>20 feet

156 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	>20 feet	>20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet

157 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35		15	66
Red Maple	20	Sapling	5	33
Paper Birch	5		12	
Balsam Fir	10	Seedling	8	
Quaking Aspen	20		14	
Quaking Aspen	10	Sapling	6	33

157 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet

158 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	20		16	
White Pine	5		26	
White Pine	15		15	60
Red Oak	50		16	97
Red Maple	5		13	
Bigtooth Aspen	5		15	

158 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Full	10 - 20 feet	10 - 20 feet
Oak (spp.)	Low	Variable	Variable
Red Maple	Low	>20 feet	>20 feet

160 – Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Seedling	8	
White Pine	57		16	55
Red Maple	20		11	
Paper Birch	10	Seedling	9	
Bigtooth Aspen	3		16	

160 – Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
161	4199 - Other Mixed Upland Deciduous		4.1	70	51-80	N/A	Accessible by stand to the south.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	7	
Quaking Aspen	30		12	
Red Maple	47		11	70
Paper Birch	18	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	>20 feet	>20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
162	4130 - Aspen		17.8	46	81-110	N/A	Fast growth on a good quality site. Saw 1 sugar maple. Some road bouiling required. Would need to fill approx 450 ft of low ground. 1 dominant aspen cored at 53 years. There must have been some saplings started before last harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Seedling	9	
Red Maple	5	Seedling	8	
Bigtooth Aspen	85		12	46

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Sugar Maple	Trace	>20 feet	>20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Beech	Trace	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
164	4140 - Other Upland Deciduous	Sawtimber Well	3.3	72	81-110	N/A	Really unique stand highest birch % I have come across. Very tall with thin crowns.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5		13	
Red Maple	18	Seedling	7	
Paper Birch	65		11	72
Bigtooth Aspen	12		12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Trace	Variable	Variable
Red Maple	Medium	Variable	Variable
Red Pine	Trace	5 - 10 feet	5 - 10 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
165	4130 - Aspen		38.1	46	81-110	N/A	Mix of QA and BTA with large variations in quality. Has wet pockets and benches scattered throughout and a lot of riparian edge.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	39		10	46
Red Maple	10	Sapling	6	
Bigtooth Aspen	50		10	46
White Pine	1	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	>20 feet
Balsam Fir	Trace	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Trace	>20 feet	>20 feet
White Pine	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
166	6239 - Mixed Emergent Wetland	Unspecifed	8.6			No	Cattails with tag gradually invading.

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Red Maple	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
167	6225 - Bog	Unspecifed	2.7			No	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Variable
Leatherleaf	Full	< 5 feet	< 5 feet
Paper Birch	Trace	10 - 20 feet	10 - 20 feet
White Pine	Medium	Variable	Variable
White Pine	Trace	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
168	6239 - Mixed Emergent Wetland	Unspecifed	0.9			No	
169	6239 - Mixed Emergent Wetland	Unspecifed	5.2			No	
170	4130 - Aspen	Poletimber Well	2.4	45	51-80	N/A	OPIC - FMD: isolated small stand. No access. 7/20/23: Updated to non-OI cover type.
171	4130 - Aspen	Poletimber Well	17.6	46	81-110	N/A	Private to the east boasts sugar maple bu i did not see any sapling establishment on the state side.
172	4130 - Aspen		26.5	46	51-80	N/A	Poor stocking. Red pine is working its way into the stand where seed is available.
175	4130 - Aspen	Poletimber Well	37.5	46	51-80	N/A	Hummocky ground with several pockets of tag alder subcanopy.

168

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Medium	< 5 feet	< 5 feet
Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable

169

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Not Applicable	Not Applicable
Red Maple	Low	10 - 20 feet	10 - 20 feet
Green Ash	Trace	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

170

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	1	Seedling	6	
Red Maple	5	Sapling	6	
Quaking Aspen	94		9	45

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	>20 feet	>20 feet

171

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	88	Seedling	9	46
Red Maple	2	Seedling	9	
Bigtooth Aspen	10		12	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Trace	10 - 20 feet	10 - 20 feet
Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet

172

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30		10	
Red Pine	5		10	
Quaking Aspen	65		9	46

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet

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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	3	Sapling	6	
Red Maple	8	Log	4	
Bigtooth Aspen	9	Seedling	8	
Quaking Aspen	80	Seedling	7	46

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
178	4134 - Aspen, Spruce/Fir		12.4	39	51-80	N/A	Very heavy and recent beaver activity on the west side of the stand.
179	6229 - Mixed Lowland Shrub	Unspecifed	30.4			No	Old beaver activity.
181	6225 - Bog	Unspecifed	5.5			No	
183	4126 - White, Black, N. Pin Oak	Sawtimber Well	50.2	107	81-110	N/A	The last major disturbance ~50 yrs ago was successful in regenerating a nice cohort of red oak, fewer white oak and white pine. Low thinning in 2019 did not initiate much in the subcanopy. Stand 159 merged into this stand- no obvious difference.
184	4124 - Red with White Oak		23.7	92	1-50	N/A	Variable. Regen ranges from aspen in the SW to red maple in the north finger. Sparse oak regen in the middle. The maple, white pine, and aspen overstory was removed to four inches. The oak was marked down to a 40-50 basal area. An eagle nest(s) has been found in the wetland complex to the east.

178

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2		14	
Red Pine	1		16	
Balsam Fir	22	Seedling	6	47
Quaking Aspen	75	Seedling	7	39

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

179

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Trace	>20 feet	>20 feet
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Cattail spp.	Medium	Not Applicable	Not Applicable

181

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Red Pine	Trace	5 - 10 feet	5 - 10 feet
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Black Spruce	Low	>20 feet	>20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet

183

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	22	Seedling	9	47
White Pine	11		12	
Red Pine	1		14	
Red Oak	32		19	107
White Oak	26		18	
White Oak	2	Seedling	8	
Red Maple	6	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
White Pine	Medium	Variable	Variable
Oak (spp.)	Low	5 - 10 feet	5 - 10 feet

184

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	50		16	92
White Oak	22		16	
Black/Red (Hybrid) Oak	20	Seedling	9	47
White Pine	8	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	Variable	Variable
Oak (spp.)	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
185	4130 - Aspen	Poletimber Well	27.4	46	51-80	N/A	Several areas of open ground and leatherleaf/tag alder pockets.
186	4319 - Mixed Upland Forest		12.3	60	51-80	N/A	Birch die out once it seems to hit log size . The maple is still holding but the balsam fir is coming in thick. The north half is dense balsam understory. The south finger is more open with scattered maple and birch clumps with open grass between. This is a unique island about 10 feet higher than the marsh surrounding it. Is evidence of an old road being in here from years ago. It could be treated but to do so would require an MDOT permit for a culvert along M-18 and then 50+ feet of crane mats to get to the edge of high ground. Locals call it "Gilligan's Island" and would be best left for visual with the red maples in the fall.
187	6220 - Alder/Willow	Unspecifed	30.0			No	Tag alder marsh with sparsely scattered cedar.
189	6225 - Bog	Unspecifed	1.3			No	
190	4191 - Mixed Upland Deciduous with Conifer		9.0	64	81-110	N/A	Mature stand blocked by private property and about half mile of tag alder.

185

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1		11	
Quaking Aspen	79	Seedling	9	46
Bigtooth Aspen	20	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Balsam Fir	Low	>20 feet	>20 feet
Red Pine	Trace	10 - 20 feet	10 - 20 feet

186

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	45		9	60
Red Maple	37		12	
Paper Birch	15		9	
White Pine	2		16	
Quaking Aspen	1		14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Trace	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Trace	>20 feet	>20 feet
Balsam Fir	High	Variable	Variable

187

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Black Spruce	Trace	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet

189

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	< 5 feet	< 5 feet

190

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	21		9	64
Red Oak	14		13	64
Red Maple	31		11	64
Red Maple	20	Seedling	5	29
Paper Birch	3	Seedling	6	
Paper Birch	5		12	
Bigtooth Aspen	6	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Red Maple	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
191	6129 - Mixed Coniferous Lowland Forest		145.2	128	81-110	N/A	Areas with heavy cedar blowdown. Areas with open canopy primarily tag alder. High water table. These disturbances have led to cohorts variable in age across the stand.
192	42330 - Upland Fir		15.8	62	51-80	N/A	Thought i heard a goshawk in this stand 2/25/2025.
193	6229 - Mixed Lowland Shrub		409.7			No	
194	4199 - Other Mixed Upland Deciduous		5.8	81	81-110	N/A	Mature aspen, maple oak mixed with Balsam fir and pine on a higher ridge jutting out into a lowland marsh. It is used by locals for walking.

191

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	32	Sapling	7	
Red Maple	18	Seedling	8	
Paper Birch	1	Seedling	7	
Northern White Cedar	35		16	128
Northern White Cedar	10	Seedling	8	98
White Pine	4		10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Red Maple	Medium	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Ash	Low	< 5 feet	< 5 feet

192

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Seedling	9	
Balsam Fir	65	Seedling	7	62
Northern White Cedar	5	Seedling	6	
Red Maple	10		11	
Paper Birch	15	Seedling	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Trace	10 - 20 feet	10 - 20 feet

193

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Northern White Cedar	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Red Osier Dogwood	Medium	5 - 10 feet	5 - 10 feet
Cattail spp.	Medium	Not Applicable	Not Applicable

194

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	9	Seedling	6	
Red Pine	1		9	
Red Oak	23		12	
Red Maple	47		10	81
Paper Birch	1		9	
Bigtooth Aspen	18		10	
White Pine	1		15	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Red Oak	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable
Bigtooth Aspen	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
195	4319 - Mixed Upland Forest		17.9	34	1-50	N/A	Habitat cut done by Wildlife Division in the winter of 1991. Cut all species to 2 inch except for some marked trees and oak. Had a red maple overstory and good balsam fir understtory. Now the balsam fir dominates.
196	4191 - Mixed Upland Deciduous with Conifer		50.1	103	81-110	N/A	Harvested in 2009 all aspen, fir/spruce removed with some oaks/maple marked to cut.Mature oak and pine mix, lower overall BA. Pole size red maple/oak scattered throughout. Lots of white pine & balsam fir saplings.
197	6229 - Mixed Lowland Shrub		2.1			No	
198	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.1	81	51-80	N/A	Older cohort near exclusively red oak. 2nd age species vary.

195

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	45	Seedling	6	34
Balsam Poplar	1	Seedling	6	
Red Maple	26	Seedling	7	
Paper Birch	15	Seedling	6	
Red Oak	5		20	
Red Oak	1	Seedling	6	
Black Spruce	1	Seedling	6	
Quaking Aspen	5	Seedling	8	
Pin Cherry	1	Seedling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	>20 feet	>20 feet
Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet

196

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	37		14	103
White Pine	25		13	
Red Maple	8	Seedling	6	26
Red Pine	13		12	
White Oak	15		14	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	Variable	Variable
Balsam Fir	High	Variable	Variable
Red Maple	Low	Variable	Variable
Bigtooth Aspen	Low	5 - 10 feet	5 - 10 feet

197

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	5 - 10 feet	5 - 10 feet
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Cattail spp.	Medium	Not Applicable	Not Applicable
Paper Birch	Low	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

198

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	3	Seedling	7	
Black/Red (Hybrid) Oak	37		15	81
Black/Red (Hybrid) Oak	10	Seedling	9	
White Pine	15		12	
Red Maple	25	Seedling	8	45
Bigtooth Aspen	10		9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Variable
White Oak	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
200	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.9	50	81-110	N/A	Mixed stand bf getting old. Merge with 198.
201	6220 - Alder/Willow	Unspecifed	5.2			No	
202	4131 - Aspen, Oak	Poletimber Well	13.6	26	1-50	N/A	Cut in approximately 2000. Sapling stand maturing into small pole size. Wet area in the center with tag alder and cattail
203	122 - Road/Parking Lot	Unspecifed	5.6			No	
204	6220 - Alder/Willow		3.4			No	Tag alder marsh with a small ridge of log sized oak on the west side isolated between the marsh and private property.
205	4191 - Mixed Upland Deciduous with Conifer		6.5	102	81-110	N/A	Mature stand. Dominated by oak and pine. Previous notes recommended a shelterwood but no treatment appears to have been done. Older cohort is dominated by red oak, pine. Younger 53 year old cohort consists of red maple, white pine, some oak, and balsam fir, particularly south and west.

200

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10		9	
Balsam Fir	32		6	
Red Maple	33	Sapling	5	50
Bigtooth Aspen	25	Seedling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Oak (spp.)	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Red Maple	Low	10 - 20 feet	10 - 20 feet

201

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	>20 feet	>20 feet
Paper Birch	Trace	10 - 20 feet	10 - 20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet
Black Spruce	Trace	>20 feet	>20 feet
Northern White Cedar	Trace	>20 feet	>20 feet
Michigan Holly	Low	5 - 10 feet	5 - 10 feet

202

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Log	3	
Red Maple	13	Log	4	
Bigtooth Aspen	45	Sapling	5	26
Northern Pin Oak	16	Log	4	
Quaking Aspen	19	Log	4	
White Pine	2	Log	3	26

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	High	Not Applicable	Not Applicable
Black/Red (Hybrid) Oak	Medium	Variable	Variable
White Pine	Low	< 5 feet	< 5 feet
White Oak	Medium	Variable	Variable
Wintergreen	Medium	5 - 10 feet	5 - 10 feet

205

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	7		13	
White Oak	2		12	
Balsam Fir	6		8	
Red Maple	20		10	56
Bigtooth Aspen	10		16	
Red Oak	35		16	102

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
White Pine	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
206	4130 - Aspen	Sapling Well	5.4	15	Immature	N/A	Some pole/log sized oaks and white/red pine left scattered throughout sale for visual/mast. Harvested in 2010.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1		12	
Black/Red (Hybrid) Oak	1		22	
Black/Red (Hybrid) Oak	1	Log	2	
White Pine	1		13	
Red Maple	1	Log	3	
Bigtooth Aspen	95	Log	3	15

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
207	122 - Road/Parking Lot	Unspecifed	2.7			No	Cleared R.O.W. on the north side for overhead utility lines and MichCon buried pipeline.

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Pine	Medium	>20 feet	>20 feet
Oak (spp.)	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
208	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	1.9	71	81-110	N/A	Lower ground stand between road and aspen stand. This stand was left as a visual buffer to the cut to the south. Continue to leave it for long term retention. 6 supercanopy white pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	45		12	71
Quaking Aspen	15		11	
Red Maple	40		10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	>20 feet	>20 feet
Red Maple	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
209	122 - Road/Parking Lot	Unspecifed	1.8			No	M-18 runs through the middle with narrow clumps of oak on the north and south sides of the road. The north side is a cleared R.O.W. for overhead utility lines and MichCon buried pipeline.

Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	Low	>20 feet	>20 feet
Balsam Fir	Medium	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
Oak (spp.)	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
210	6224 - Treed Bog		8.2			No	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	>20 feet	>20 feet
Black Spruce	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Tamarack	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
211	4119 - Mixed Northern Hardwoods		5.0	72	51-80	N/A	Marked by JH and cut by Omell in March 2012.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	20		20	
Sugar Maple	30		13	
Red Maple	45		13	72
Paper Birch	5		17	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	< 5 feet	< 5 feet
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
212	6127 - Lowland Pine	Sawtimber Well	1.0	118	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	99		16	118
Red Pine	1		19	