



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71084

Entry Year 2028

Acreage: 3,192

County: Ogemaw

Management Area: High Sand Plains

Stand Examiner: Avery Sanborn

Legal Description:

Section 5, T22N R2E and sections 20-21, 27-29, & 32-33, T24N R1E, Ogemaw County

Identified Planning Goals:

Provide for sustainable ecosystem based management including forest products, wildlife and recreation. Maintain healthy and diverse forested stands. A special emphasis will be placed on recreational and aesthetic values due to heavy recreational use and urban proximity. Well stocked oak dominated stands will be targeted for thinning. Mixed oak-sugar maple stands will be targeted for thinning to promote a desirable species composition. Aspen will be managed to promote a healthy age class distribution. Red pine plantations will be thinned to maximize accrual.

Soil and topography:

This compartment lies along an escarpment north of the City of West Branch, consisting of a relict lateral moraine deposited along the margin of the Saginaw Lobe during the Wisconsin Glaciation, defining the transition from higher upland terrain to the lower Saginaw Basin. The area contains some of the steepest terrain in the Roscommon Unit. Dominant soil types include Menominee sand, Montcalm loamy sand, Graycalm sand, and Rubicon sand. Several areas boast soils of high enough quality to sustain a sugar maple component.

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

The compartment is bordered by state forest land, recreational timber land and light residential to the north and west. Sand and gravel extraction occurs on industrial private lands to the south, while surrounding private lands are primarily used for private timber/recreation and residential purposes. Agricultural land use begins approximately one-half mile east of the compartment.

Unique Natural Features:

This compartment contains the headwaters of Klacking Creek, which flows underground through portions of Sections 28, 29, and 32 during low precipitation periods before abruptly resurfacing in the W½ SE¼ of Section 28. A largely undisturbed northern hardwood stand near the intersection of Sections 32 and 28 surrounds this intermittently dry creek channel and supports high plant diversity.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

None noted.

Watershed and Fisheries Considerations:

This compartment contains the headwaters of Klacking Creek, which runs into the rifle river.

Wildlife Habitat Considerations:

Heavy deer use during the winter months focused in areas of red oak mast and recently cut areas with plentiful browse. Management activities will consider maintaining these habitat elements for deer and other species.

Mineral Resource and Development Concerns and/or Restrictions

Section 5, T22N R2E and sections 20-21, 27-29, & 32-33, T24N R1E, Ogemaw County No known potential exists for economic deposits of metallic minerals in this part of the state. Multiple active sand/gravel operations are known to occur just south of the compartment, and an additional property with State-owned mineral rights is currently nominated for leasing by the Ogemaw County Road Commission. There is potential for additional sand & gravel development within the compartment on the uplands. The nearest hydrocarbon production, past or present, is three miles south. There has been no test drilling or permit activity within one mile of the compartment, and there is no current leasing activity involving State-owned mineral rights in the area. Potential for future oil & gas development within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant

estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

The trails in the eastern half are primarily administrative access only. Most other areas include accessible forest trails.

Survey Needs:

Sections 20 and 27 may have survey needs.

Recreational Facilities and Opportunities:

Facilities include a network of ski/hiking trails and an ORV trail in the west half of the compartment which are heavily utilized. Opportunities exist for hunting, hiking, foraging and dispersed camping.

Fire Protection:

No highly volatile fuel types are present within the compartment. There is an adequate road and trail system throughout, however, access during a fire event could be limited by extreme topography in the eastern portion.

Additional Compartment Information:

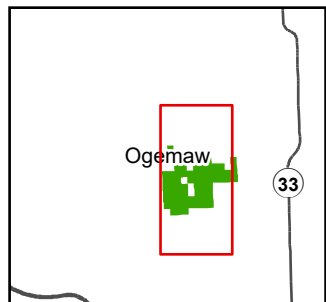
The following reports from the Inventory are attached:

- 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**

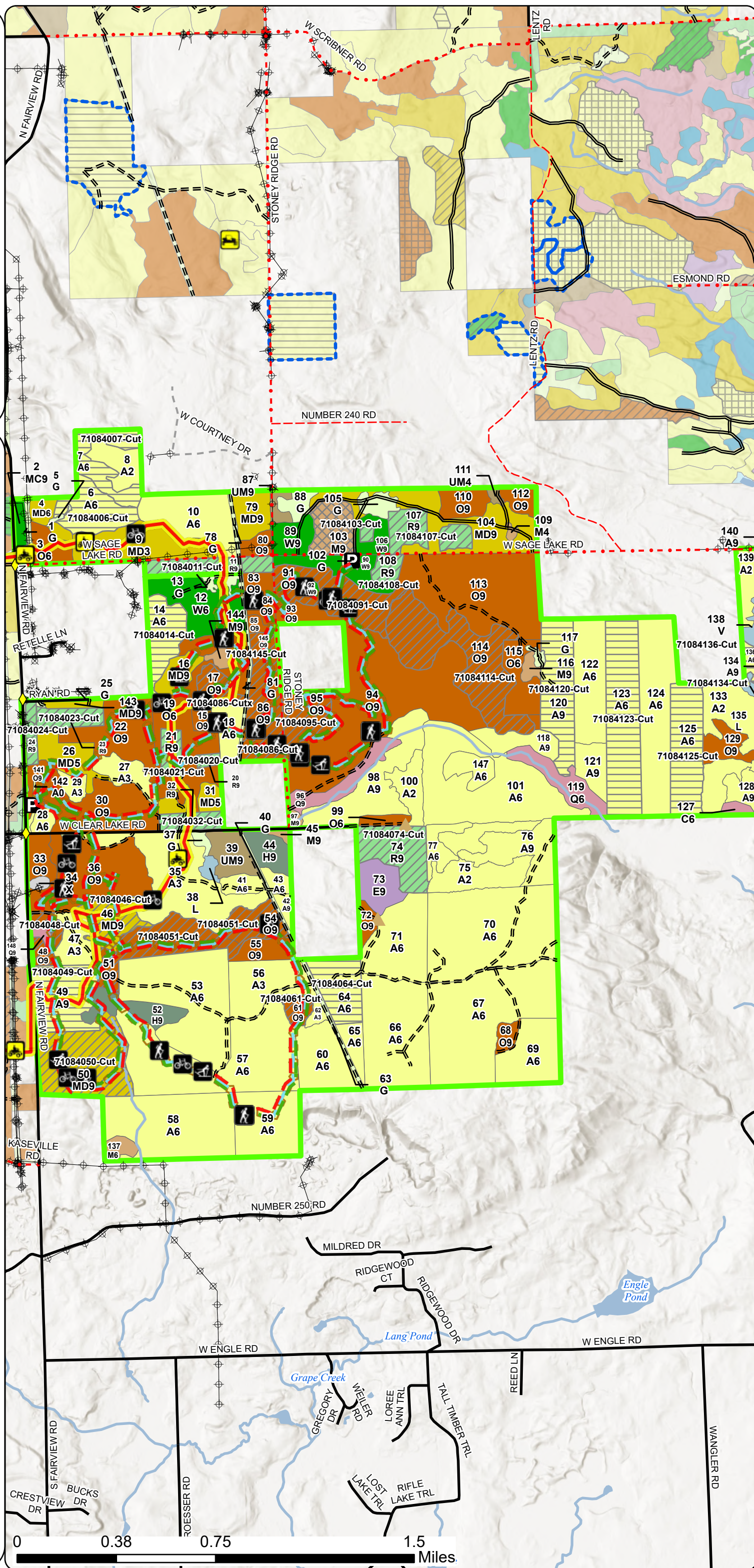
The following information is displayed, where pertinent, on the attached compartment maps:

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

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T24N, R01W, Sec. 26-28, 32-35
T23N, R01W, Sec. 2, 3
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 3,191.96 GIS Calculated
Examiner: Avery Sanborn
Date Exported: 06/11/2026
Map Phase: Web Post

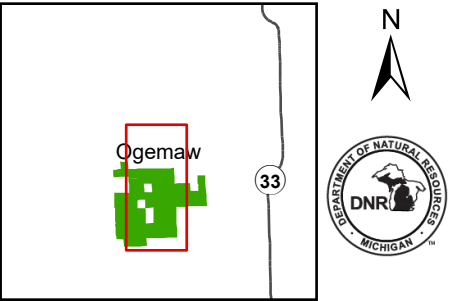


-
- Survey Grade Corners
 Parking Lot
 Berm
 Designated Hiking Pathway
 Designated Bicycle Trails
 Designated Ski Trails
 Designated Snowshoe Trails
 Designated MCCCT Trails
 Designated ATV Trails
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 County - Dirt Road (Seasonal)
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 Streams
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 Treatments with Site Conditions
 Clearcut
 Selection
 Thinning
 411 - Northern Hardwood
 412 - Oak Types
 413 - Aspen
 419 - Mixed Upland Deciduous
 421 - Planted Pines
 422 - Natural Pines
 423 - Other Upland Conifers
 430 - Upland Mixed Forest
 611 - Lowland Deciduous Forest
 612 - Lowland Coniferous Forest
 110 - Low Intensity Urban
 310 - Herbaceous Openland
 622 - Lowland Shrub

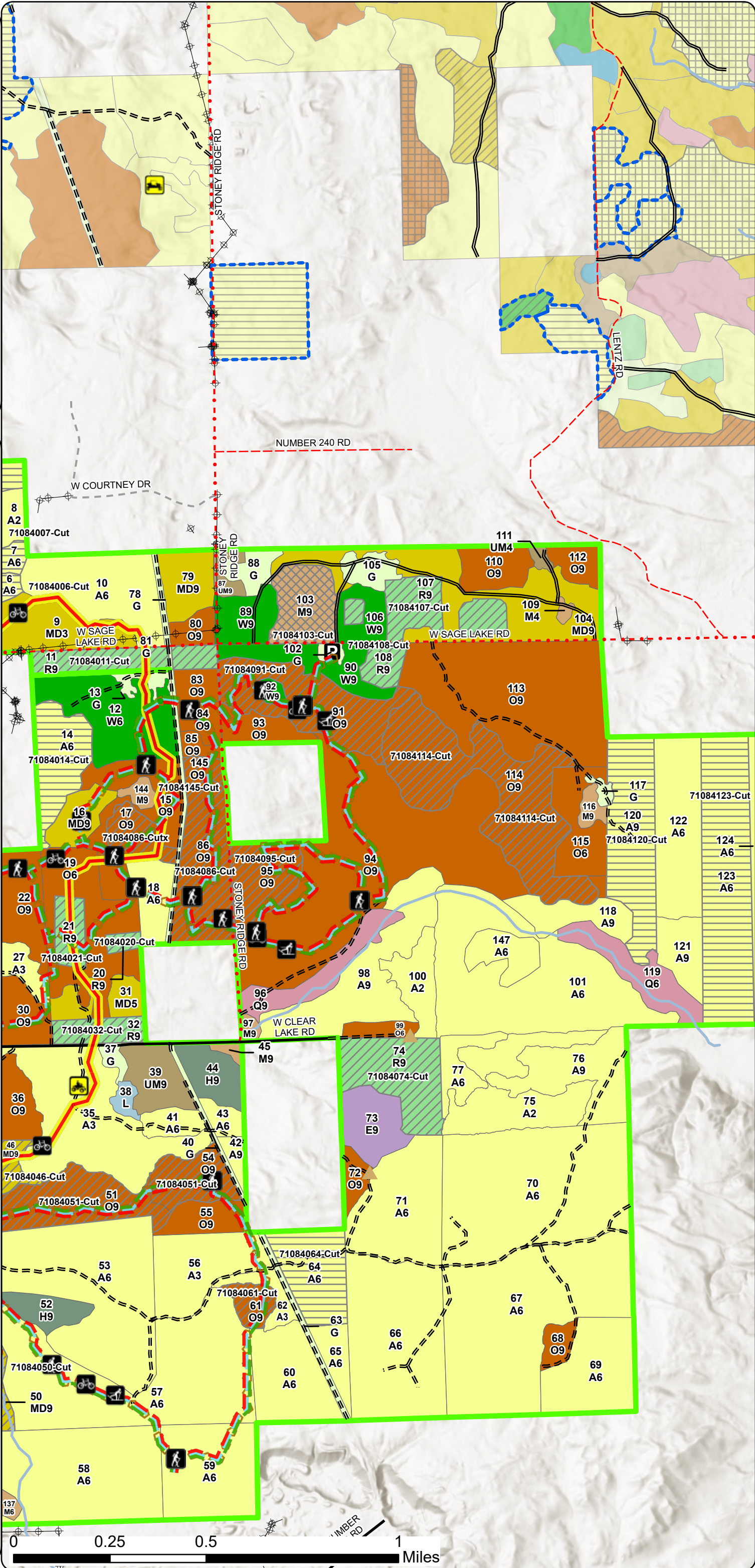


Cover Type & Treatments Map

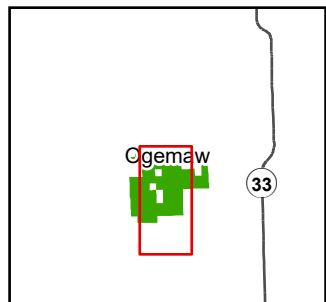
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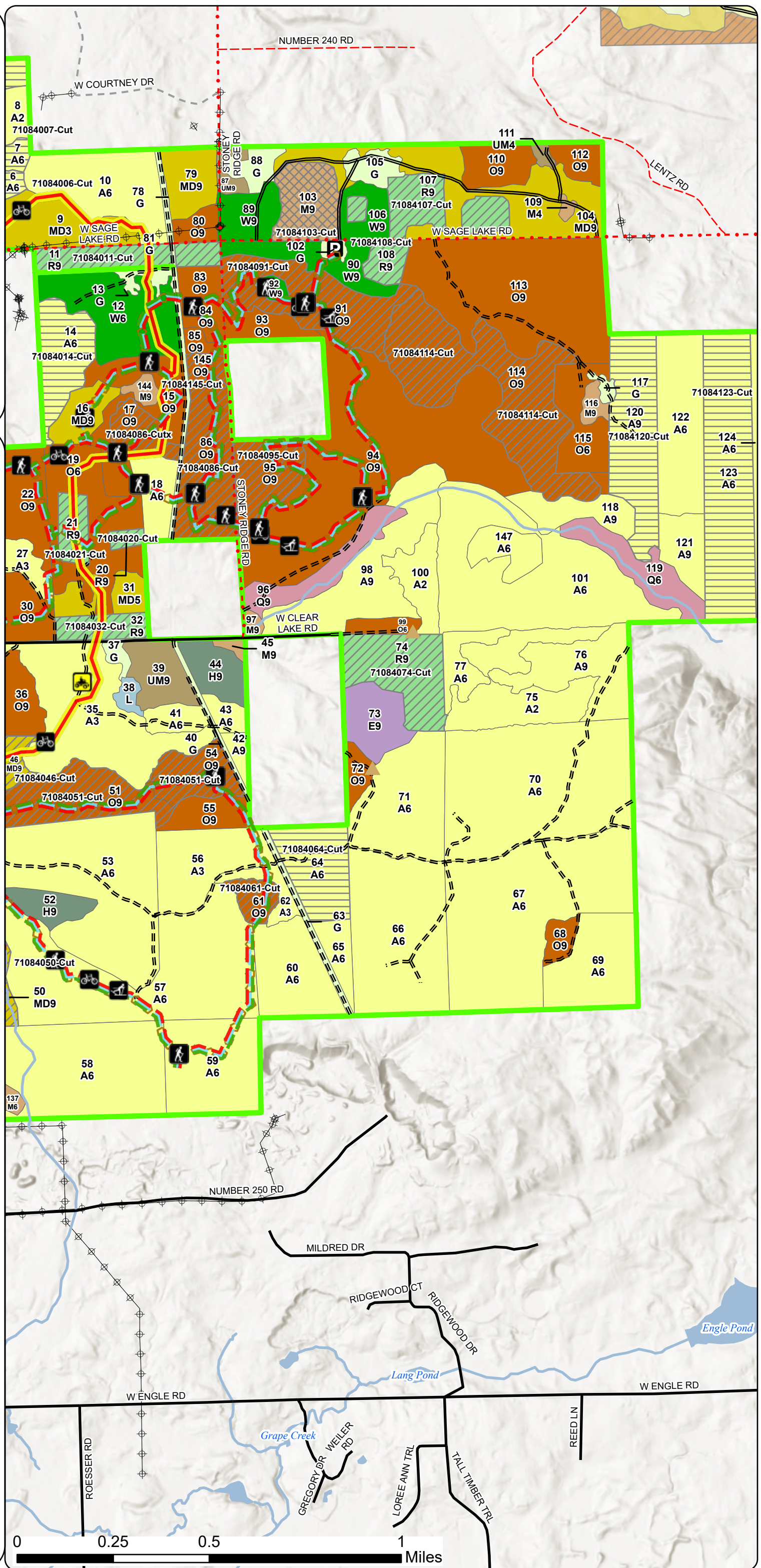
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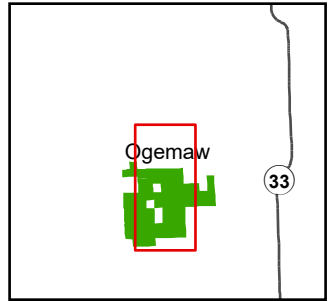
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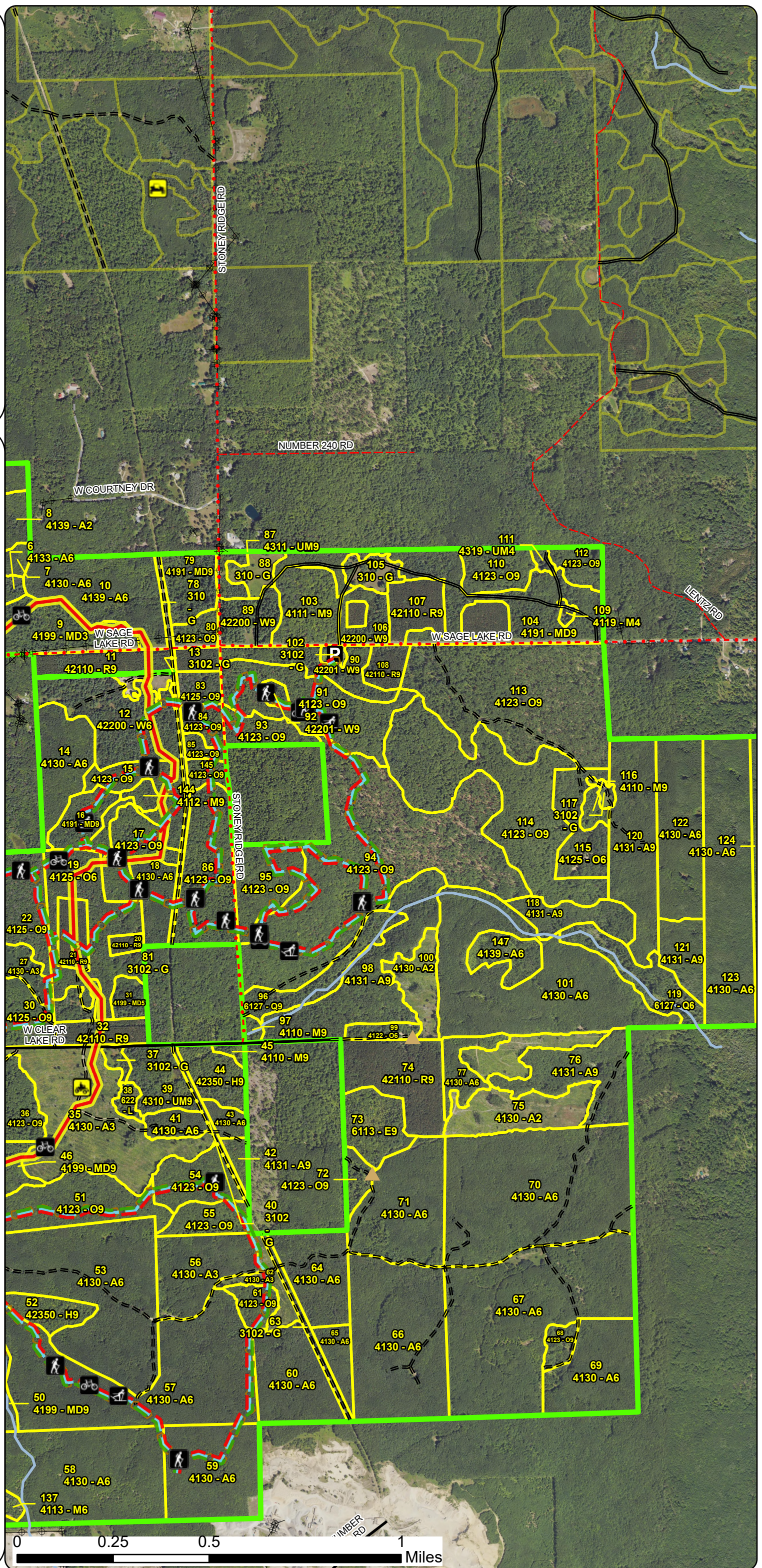
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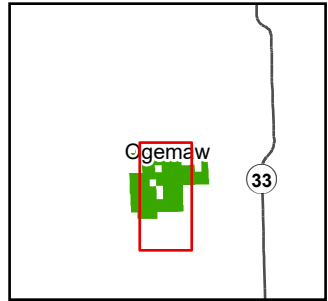
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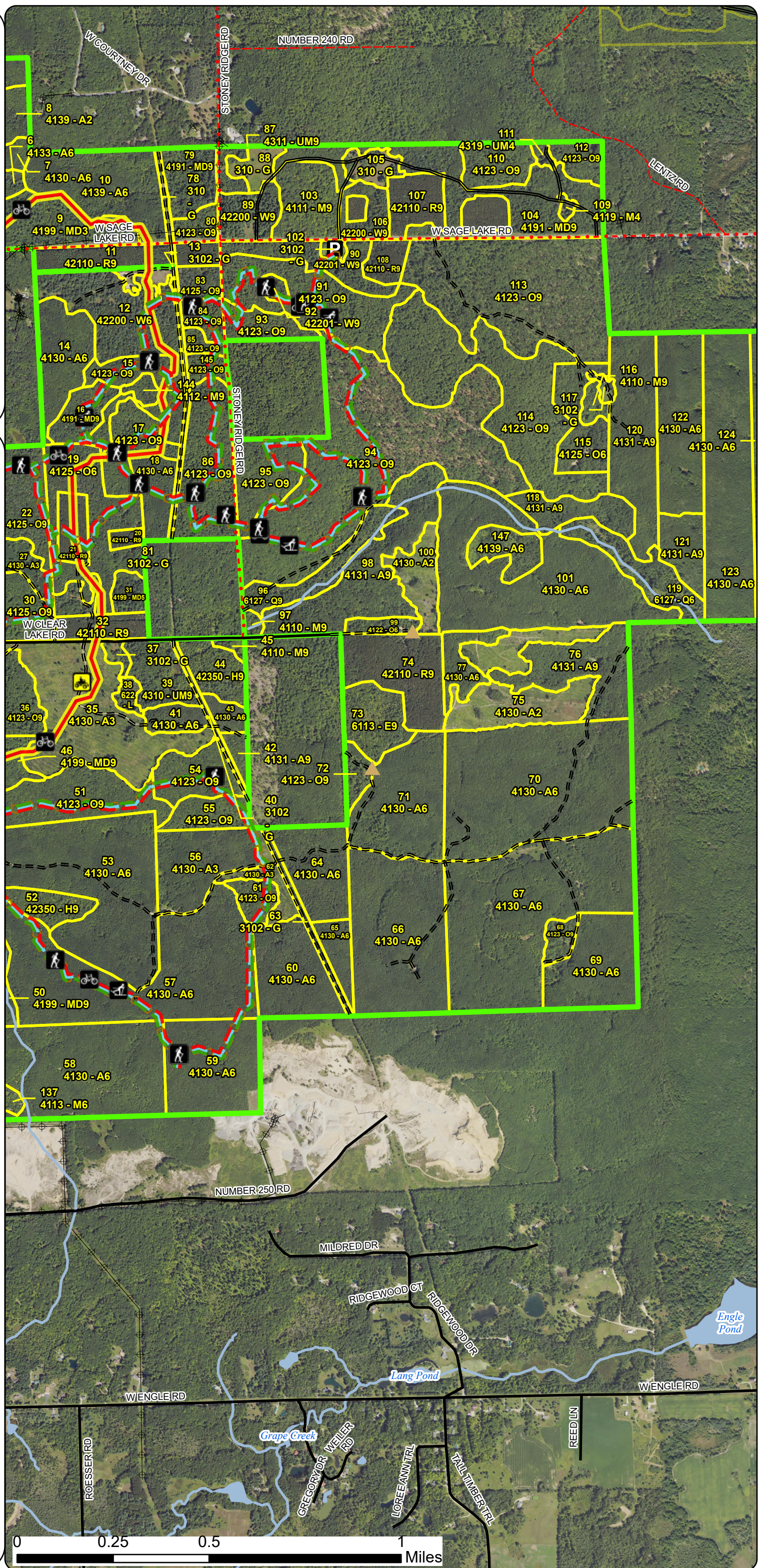
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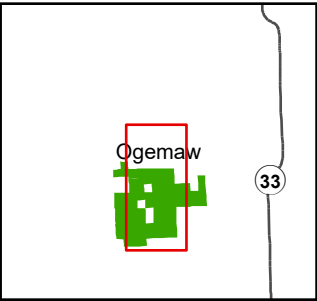


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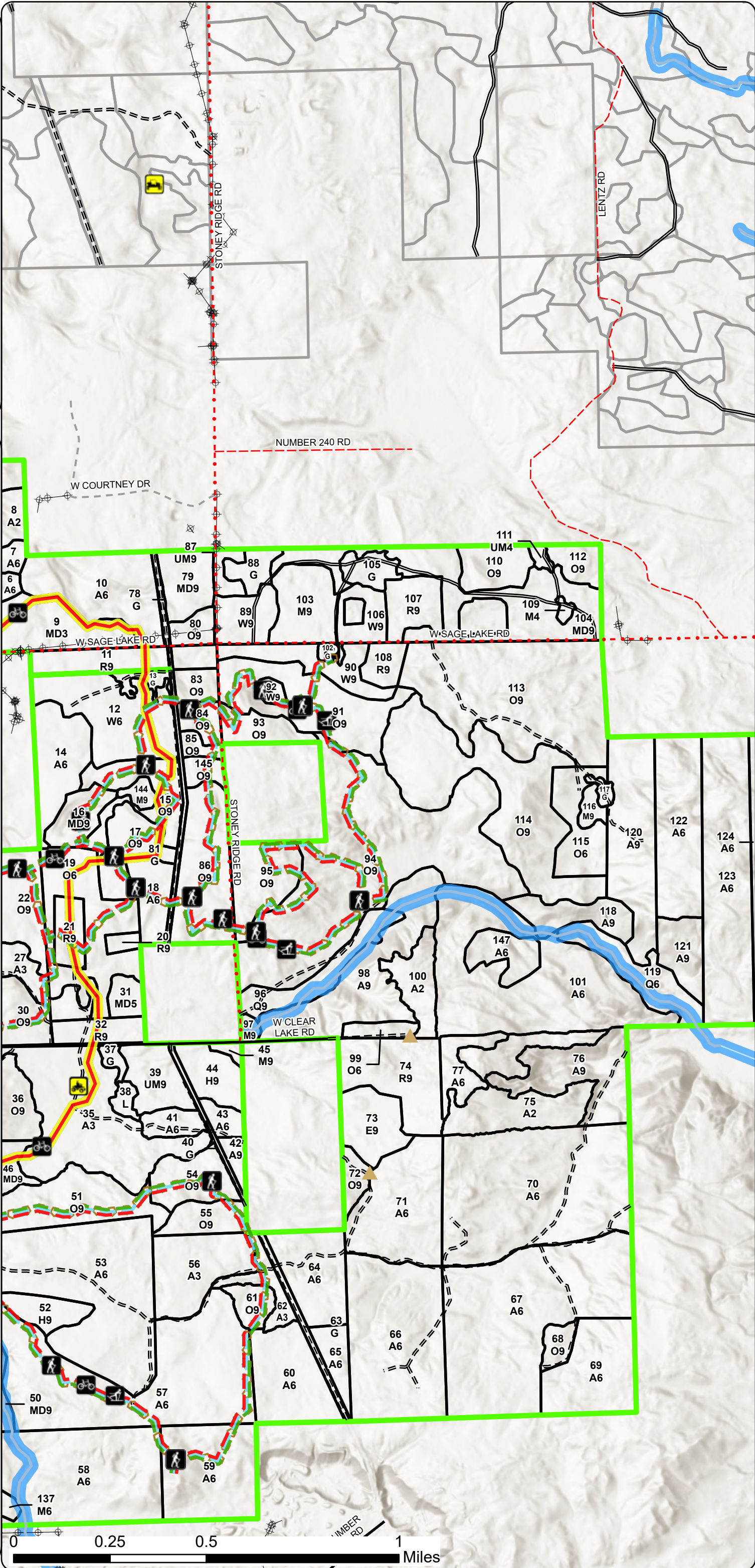


Special Conservation Areas
& Site Conditions Map

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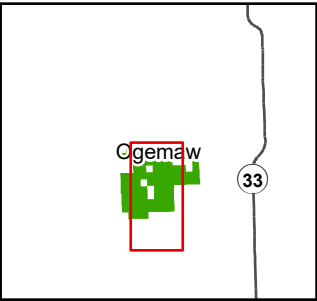


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- Cold Water Streams
- High Priority Trout Stream Buffer

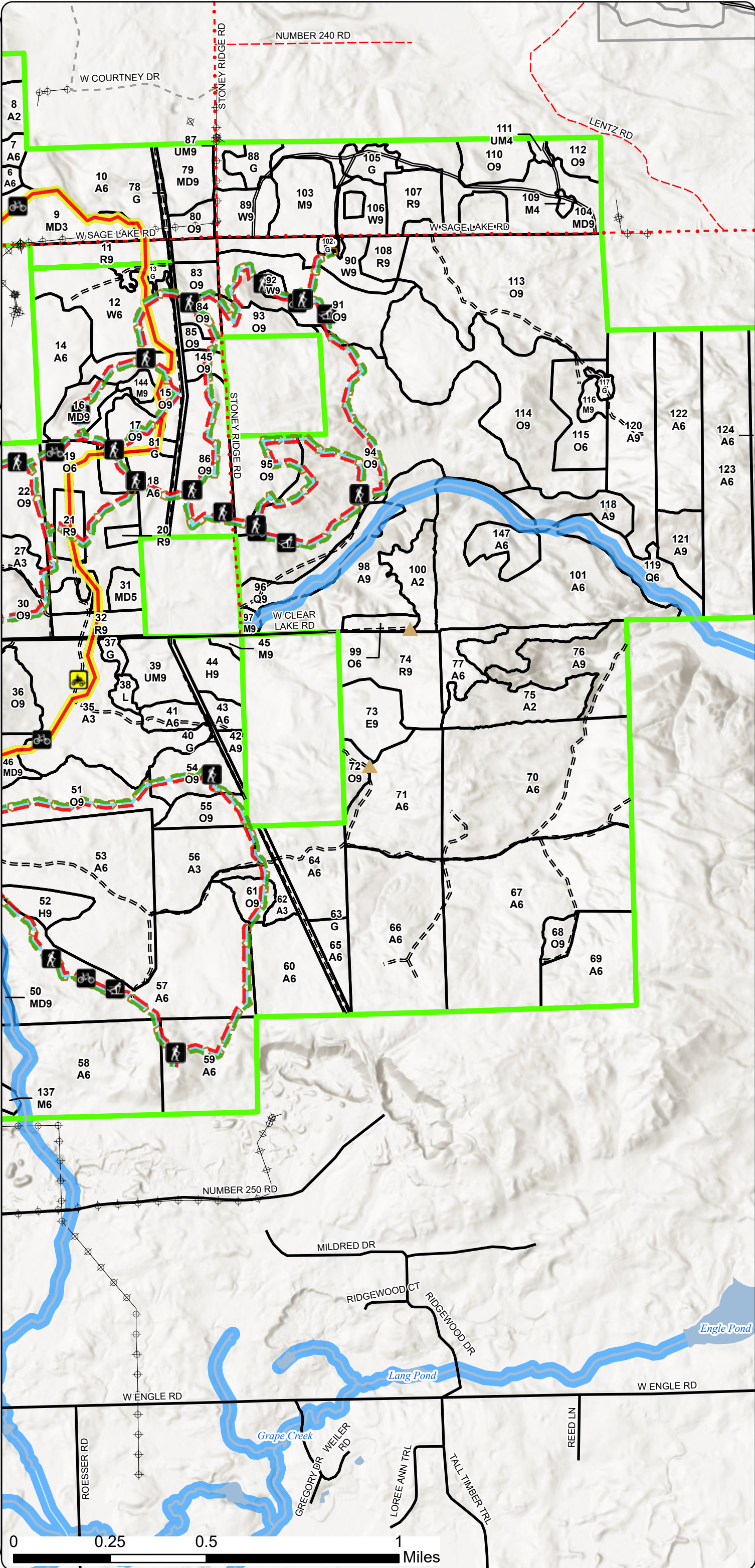


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- Cold Water Streams
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	NonForest	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	2	209	35	251	298	615	103	0	0	0	45	61	53	0	0	0	0	0	1672
Bog	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Cedar	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Hemlock	0	0	0	0	0	0	0	0	0	0	0	13	0	0	17	0	0	0	30
Herbaceous Openland	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	39
Lowland Deciduous	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Mixed Upland Deciduous	0	0	0	39	8	0	30	56	0	0	0	71	33	0	0	0	0	0	236
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Northern Hardwood	0	0	0	7	0	0	3	0	6	0	0	0	23	0	0	0	0	0	39
Oak	0	0	0	0	0	22	57	20	0	0	21	292	405	13	0	0	0	0	830
Red Pine	0	0	0	0	0	0	40	48	0	31	0	0	0	0	0	0	0	0	119
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	2	5	0	0	16	0	0	0	0	0	0	0	0	23
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	5	10	17	13	0	0	0	3	0	0	0	37	85
Total	95	209	35	297	306	639	243	154	23	60	66	428	566	16	0	17	0	44	3197



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 84
Total Compartment Acres: 3,192

Commercial Harvest - 236
Harvests with Site Condition - 0
Next Step Harvest - 25
Habitat Cut - 625

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	306	0	0	0	0	0	0	0	0	306
Mixed Upland Deciduous	0	0	0	0	78	0	0	0	0	78
Northern Hardwood	0	21	0	0	0	0	0	0	0	21
Oak	0	0	0	0	262	0	0	0	0	262
Red Pine	0	0	0	0	118	0	0	0	0	118
Total	306	21	0	0	457	0	0	0	0	784

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	784	0	0	0	0	0	0	0	0	784
Next Step	25	0	0	0	0	450	0	0	0	475
Total	809	0	0	0	0	450	0	0	0	1258



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

6	71084006-Cut	26.0	4133 - Aspen, Mixed Pine	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
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Prescription Cut all stems 2"+ DBH. Mark to leave 1 TPA white pine where available. Leave retention on the north end. Apply oak wilt spec for haul route.
Specs: Apply drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen with white pine and/or oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

7	71084007-Cut	23.1	4130 - Aspen	6	50	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
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Prescription Cut all stems 2"+ DBH. Leave retention around island of pine. Mark to leave 1-3 TPA of red oak and white pine. Use oak wilt spec for haul route. Apply drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen with oak, pine, and red maple.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

11	71084011-Cut	18.7	42110 - Planted Red Pine	9	66	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
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Prescription Thin down to a BA of ~100. Protect foundations and pipeline to the east.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
14	71084014-Cut	23.0	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2" DBH and up. Leave 1-3 TPA white pine and red oak. Apply oak wilt spec for haul route. Apply drumming log specs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
20	71084020-Cut	2.6	42110 - Planted Red Pine	9	57	171- 200	Harvest	Thinning	42110 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin down to a BA of 80-100. Apply oak wilt spec for haul route. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
21	71084021-Cut	9.0	42110 - Planted Red Pine	9	57	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin down to a BA of 80-100. Apply oak wilt haul route specification. Include trail protection spec. no snow cover harvesting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
23	71084023-Cut	11.7	42110 - Planted Red Pine	9	57	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin down to a BA of 80-100. Use the adjacent grass opening for a landing. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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24	71084024-Cut	4.9	42110 - Planted Red Pine	9	57	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
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Prescription Thin down to a BA of 80-100. Use appropriate specifications to protect the pipeline to the west. Use the adjacent grass opening for a landing.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

32	71084032-Cut	10.0	42110 - Planted Red Pine	9	57	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
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Prescription Thin down to a BA of about 100. Apply trail protection spec.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

46	71084046-Cut	21.8	4199 - Other Mixed Upland Deciduous	9	114	111-140	Harvest	Thinning	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
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Prescription Spec cut all aspen. Thin to a BA of 70-90 prioritizing crown expansion of oak and sugar maple. Apply hard oak wilt spec. Protect trails with appropriate specs; no snow cover harvesting.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027



Standard
Treatment Name Acres Stand CoverType Size Density Stand Age BA Range Treatment Type Treatment Method Cover Type Objective Age Structure Habitat Cut

48 71084048-Cut 10.4 4124 - Red with White Oak 9 110 141-170 Harvest Thinning 412 - Oak Types Planting Record Yes

Prescription Spec cut all aspen. Mark the rest down to a BA of 60. Apply hard oak wilt spec. Use appropriate specs to protect ski trail; no snow cover
Specs: harvesting.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

49 71084049-Cut 37.6 4130 - Aspen 9 43 111-140 Harvest Clearcut 413 - Aspen Planting Record Yes

Prescription Cut all trees 2"+. Mark to leave any known sugar maple. Leave all white pine and red oak 8" DBH+. Leave retention around low spot on the
Specs: north side and/or around the adjacent hemlock stand. Apply drumming log spec. Use appropriate specs to protect trails;

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

Acceptable Fully stocked aspen.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

50 71084050-Cut 56.4 4199 - Other Mixed Upland Deciduous 9 106 141-170 Harvest Thinning 4191 - Mixed Upland Deciduous with Conifer Planting Record Yes

Prescription Thin down to 70-90 BA. Spec cut aspen 2"+, remove some red pine, and optimize crown spacing on oak. Do not mark sugar maple. Apply
Specs: hard oak wilt spec. Apply appropriate specs to protect ski trail; no snow cover harvesting.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
51	71084051-Cut	55.9	4123 - Red Oak	9	114	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Spec cut all aspen. Thin to a BA of 70-90 prioritizing crown expansion of oak and sugar maple. Apply hard oak wilt spec. Use appropriate <u>Specs:</u> specs to protect trails; no snow cover harvesting. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
61	71084061-Cut	7.1	4123 - Red Oak	9	98	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	Yes
<u>Prescription</u> Thin down to 70-90 BA. Remove all aspen. Do not cut sugar maple. Prioritize crown expansion of sugar maple. Apply hard oak wilt spec. Use <u>Specs:</u> appropriate specs to protect ski trail; no snow cover harvesting. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
64	71084064-Cut	25.0	4130 - Aspen	6	52	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Clearcut 2"+. Mark to leave 1-3 TPA pine, oak, and sugar maple. Apply drumming log specs. Leave retention in an area of steep slope. <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut with Retention; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen with minor components of pine and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
74	71084074-Cut	30.9	42110 - Planted Red Pine	9	85	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin down to 80-100 BA. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
86	71084086-Cut	35.3	4123 - Red Oak	9	110	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Thin down to a BA of 60-80. Mark to leave. Leave all white pine. Apply Oak Wilt spec. Protect ski trail; no snow cover harvesting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
86	71084086-Cutx	12.3	4123 - Red Oak	9	110	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Thin down to a BA of 60-80. Mark to leave. Leave all white pine. Apply Oak Wilt spec. Protect pipeline to the east. Protect ki trail; no snow cover harvesting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
91	71084091-Cut	40.0	4123 - Red Oak	9	106	111-140	Harvest	Thinning	411 - Northern Hardwood	Planting Record	Yes
<u>Prescription</u> Thin to a BA of 60-90, prioritizing sugar maple crown expansion and oak crown spacing. Use appropriate specifications to protect ski trail; no snow cover harvesting. Apply hard oak wilt specs. Restrict equipment (no feller bunchers) to protect sugar maple <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
95	71084095-Cut	21.6	4123 - Red Oak	9	109	111-140	Harvest	Thinning	4122 - Oak, Pine	Planting Record	Yes
<u>Prescription</u> Thin to a BA of 60-80. Apply oak wilt spec. Keep all white pine. Protect ski trail; no snow cover harvesting. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked white pine, oak, and aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
103	71084103-Cut	20.6	4111 - S.Maple, Hard Mast Association	9	115	111- 140	Harvest	Selection	411 - Northern Hardwood	Planting Record	Yes
<u>Prescription</u> Thin down to a BA of 80. Focus on removing oak trees 18"+ and only the most decrepit sugar maple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked Sugar Maple. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
107	71084107-Cut	22.5	42110 - Planted Red Pine	9	66	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin to a basal area of ~100. Use the adjacent grass opening as a landing. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
108	71084108-Cut	7.2	42110 - Planted Red Pine	9	69	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin to a basal area of ~100. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
114	71084114-Cut	74.2	4123 - Red Oak	9	106	111- 140	Harvest	Thinning	412 - Oak Types	Planting Record	Yes
<u>Prescription</u> Thin to a BA of 70-90 to promote oak and sugar maple crown expansion. Apply hard oak wilt specs. Create a separate Castanea payment unit, and supervise harvest to ensure protection. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
120 71084120-Cut	40.2	4131 - Aspen, Oak	9	52	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Cut everything 2" DBH+. Mark to leave 1 TPA oak, pine, and sugar maple. Put retention around the steep area to the south. Apply oak wilt <u>Specs:</u> buffer and haul route specs. Apply drumming log spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
123 71084123-Cut	61.4	4130 - Aspen	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Cut everything 2" DBH+. Mark to leave 1 TPA oak, pine, and sugar maple. Put retention around the vernal pool and steep area to the south. <u>Specs:</u> Apply oak wilt buffer and haul route specs. Apply drumming log spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
125 71084125-Cut	39.4	4130 - Aspen	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Cut everything 2" DBH+. Mark to leave 1 TPA oak, pine, and sugar maple. Put retention around the steep area to the south. Apply oak wilt <u>Specs:</u> buffer and haul route specs. Apply drumming log spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
134 71084134-Cut	15.5	4131 - Aspen, Oak	9	105	141-170	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2"+ DBH. Mark to leave 1 TPA oak or pine. Apply oak wilt spec for haul route. Place retention along wetland edge. A crane matt <u>Specs:</u> bridge is needed to cross small stream coming out of the beaver pond. Apply drumming log spec and brush pile spec <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
136	71084136-Cut	14.5	4130 - Aspen	6	51	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2"+ DBH. Mark to leave 1-3 TPA oak or pine. Apply oak wilt spec for haul route. Place retention along wetland edge. A crane <u>Specs:</u> matt bridge is needed to cross small stream coming out of the beaver pond. Apply drumming log spec and brush pile spe <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
86	71084145-Cut	4.8	4123 - Red Oak	9	110	111- 140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Thin down to a BA of 60-80. Mark to leave. Leave all white pine and sugar maple. Apply Oak Wilt spec. Protect ski trail; no snow cover <u>Specs:</u> harvesting. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

Total Treatment 783.6
 Acreage Proposed:

Report 4 – Site Conditions



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

5C 1C 2F 2G 3J 5E

1582	1443	12	128	Aspen	12		112		12	4
30	30	0	0	Bog						
4	0	0	4	Cedar				4		
22	17	0	4	Hemlock					4	
48	48	0	0	Herbaceous Openland						
34	0	0	34	Lowland Conifers				34		
19	0	0	19	Lowland Deciduous				19		
11	11	0	0	Lowland Shrub						
236	225	11	0	Mixed Upland Deciduous	11					
7	7	0	0	Natural Mixed Pines						
39	35	0	4	Northern Hardwood					4	
830	689	136	5	Oak	136	5				
119	119	0	0	Red Pine						
2	2	0	0	Treed Bog						
18	6	0	12	Upland Mixed Forest					12	
2	2	0	0	Urban						
84	84	0	0	White Pine						
3,087	2,718	160	209	Total Forested Acres	160	5	112	57	32	4
	88%	5%	7%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



14	Unavailable	1C: Other Dept. or Div. process	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Historical resources concerns.							
17	Unavailable	2F: Too steep	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2F: Too steep	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



39	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	Unspecified	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
45	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



48	Unavailable	5E: Long-Term Retention	4	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



59	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



MICHIGAN



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
6	4133 - Aspen, Mixed Pine	Poletimber Well	26.0	48	81-110	N/A	Transitioning to logs. Supercanopy of white pine and oak. This stand likely originated from a messy clearcut with sapling/small pole oak and white pine left.																																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>40</td><td>Pole/Log</td><td>9</td><td>48</td></tr><tr><td>Black Cherry</td><td>12</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>White Pine</td><td>7</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>3</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>20</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Log</td><td>15</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>3</td><td>Log</td><td>16</td><td></td></tr><tr><td>White Pine</td><td>13</td><td>XLog/Log</td><td>20</td><td>88</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	40	Pole/Log	9	48	Black Cherry	12	Pole/Log	9		White Pine	7	Pole	9		Bigtooth Aspen	3	Log/Pole	10		Black/Red (Hybrid) Oak	20	Pole	8		White Oak	2	Log	15		Black/Red (Hybrid) Oak	3	Log	16		White Pine	13	XLog/Log	20	88	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Variable	Black/Red (Hybrid) Oak	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	White Pine	Low	Variable	Variable		
Canopy Species	% Cover	Size Class	DBH	Age																																																																			
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White Pine	Low	Variable	Variable																																																																				
7	4130 - Aspen	Poletimber Well	23.1	50	111-140	N/A	There are maybe a dozen supercanopy white pine ~17" dbh.																																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>3</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>75</td><td>Log/Pole</td><td>11</td><td>50</td></tr><tr><td>Black Cherry</td><td>1</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td>Pole</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	3	Pole/Log	9		Red Oak	5	Pole/Log	9		Quaking Aspen	15	Log/Pole	10		Bigtooth Aspen	75	Log/Pole	11	50	Black Cherry	1	Log/Pole	10		Black/Red (Hybrid) Oak	1	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Witch Hazel</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Trace	Variable	Variable	Red Maple	Medium	>20 feet	>20 feet	Black Cherry	Low	>20 feet	>20 feet	Witch Hazel	Low	5 - 10 feet	5 - 10 feet												
Canopy Species	% Cover	Size Class	DBH	Age																																																																			
Red Maple	3	Pole/Log	9																																																																				
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8	4139 - Aspen, Mixed Deciduous	Sapling Medium	14.9	32	51-80	N/A	Better site quality along edges coming out of the bowl. There are maybe a dozen white pine ~16" dbh on the NW side that were likely left as poles/ large saplings after the last cut.																																																																
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9	4199 - Other Mixed Upland Deciduous	Sapling Well	38.5	23	1-50	N/A	Stand was split by two payment units that were cut 1 year apart in 2002 and 2003. The regen difference shows up on the 2005 image. The understory is being typed as the feature stand with a 20% supercanopy.																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
15	4123 - Red Oak	Sawtimber Well	26.2	110	111-140	N/A	Variable stand of oak. Higher elevations have good quality red oak while lower areas in bowls or ravines have black oak with a higher amount of red maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		47	Log	15	110	Beech		Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		25	Log	15		Red Maple		Medium	>20 feet	>20 feet
Red Maple		20	Log/Pole	14		Black Cherry		Low	5 - 10 feet	5 - 10 feet
White Oak		3	Log	15		White Pine		Medium	10 - 20 feet	10 - 20 feet
White Pine		5	Log/XLog	16		Red Maple		Medium	10 - 20 feet	10 - 20 feet
16	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	11.2	110	111-140	N/A	Oak stand with ravine running through it. Scattered sawtimber white pine. Beech on the se side are severely infected with bbd.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		53	Log	15	110	Hazelnut (Beaked)		Trace	< 5 feet	< 5 feet
Red Maple		20	Log/Pole	12		Beech		Trace	5 - 10 feet	5 - 10 feet
White Oak		6	Log	14		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
White Pine		20	XLog/Log	18		Pin Cherry		Low	5 - 10 feet	5 - 10 feet
Beech		1	Log	12		Red Maple		High	>20 feet	>20 feet
17	4123 - Red Oak	Sawtimber Well	12.3	110	111-140	N/A	THINNED 2009/10			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		79	Log	15	110	Hazelnut (Beaked)		Low	5 - 10 feet	5 - 10 feet
Red Maple		10	Log/Pole	11		White Oak		Trace	5 - 10 feet	5 - 10 feet
Red Pine		1	Log	15		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
White Pine		5	Log	17		White Pine		Medium	5 - 10 feet	5 - 10 feet
White Oak		5	Log	15		Red Maple		Medium	10 - 20 feet	10 - 20 feet
						Red Maple	Low	>20 feet	>20 feet	
18	4130 - Aspen	Poletimber Well	12.6	44	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		92	Pole/Log	9	44	Witch Hazel		Trace	5 - 10 feet	5 - 10 feet
Red Maple		2	Pole	8		Sugar Maple		Trace	>20 feet	>20 feet
Red Oak		2	Pole	8		Red Maple		Medium	>20 feet	>20 feet
Red Pine		1	Log	14	144					
White Pine		3	Log	15						
19	4125 - Black, N. Pin Oak	Poletimber Well	38.6	53	111-140	N/A	Stand of younger oak with scattered sawtimber oak and white pine. Likely an old field as there is a line of larger trees, possibly an old fence row, from the red pine plantation to the south, continuing north between the other 2 pine plantations.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		2	Log/Pole	11		Red Maple		Low	>20 feet	>20 feet
White Pine		10	Log	14		White Pine		Low	Variable	Variable
Black/Red (Hybrid) Oak		88	Log/Pole	10	53	Beech	Low	10 - 20 feet	10 - 20 feet	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
26	4199 - Other Mixed Upland Deciduous	Poletimber Medium	18.6	53	51-80	N/A	Open grown stand of oak and cherry.																																																								
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32	42110 - Planted Red Pine	Sawtimber Well	10.0	57	171-200	N/A																																																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>100</td><td>Log/Pole</td><td>10</td><td>57</td><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	100	Log/Pole	10	57	White Pine	Low	Variable	Variable						Red Maple	Medium	>20 feet	>20 feet						Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet						Pin Cherry	Low	5 - 10 feet	5 - 10 feet																											
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33	4125 - Black, N. Pin Oak	Sawtimber Well	14.2	68	111-140	N/A																																																																									
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34	110 - Low Intensity Urban	None	2.2			No	West Branch DNR Field Office																																																																								
35	4130 - Aspen	Sapling Well	69.3	5	Immature	N/A																																																																									
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Black/Red (Hybrid) Oak	5	Sapling	1																																																																												





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
42	4131 - Aspen, Oak	Sawtimber Well	3.8	48	111-140	N/A	Bigtooth aspen poletimber stand wither a older oak component. Almost solid oak on far south end.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		70	Pole	6	48	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Red Maple		5	Log/Pole	10		Balsam Fir		Low	10 - 20 feet	10 - 20 feet
Red Oak		25	Log	14	114	White Pine		Low	5 - 10 feet	5 - 10 feet
						Beech		Low	5 - 10 feet	5 - 10 feet
						Hazelnut (Beaked)		Medium	5 - 10 feet	5 - 10 feet
						Red Maple		Medium	>20 feet	>20 feet
43	4130 - Aspen	Poletimber Well	5.0	43	1-50	N/A	A significant amount of hemlock mixed in with the balsam fir subcanopy.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Hemlock		1	Log/Pole	12		Balsam Fir		Medium	Variable	Variable
Red Maple		2	Pole	6		Hemlock		Low	>20 feet	>20 feet
Quaking Aspen		87	Pole	5	43	Red Maple		High	>20 feet	>20 feet
Bigtooth Aspen		10	Pole/Log	9						
44	42350 - Upland Hemlock	Sawtimber Well	13.2	117	171-200	N/A	Nice hemlock sawtimber stand. Headwaters of slacking creek.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Log	14		Sugar Maple		Trace	>20 feet	>20 feet
Hemlock		88	Log	14	117	Balsam Fir		Low	Variable	Variable
Basswood		2	Log	14		Ironwood		Low	>20 feet	>20 feet
White Pine		3	XLog	18		Red Maple		Low	>20 feet	>20 feet
White Oak		1	Log	14						
Red Oak		1	Log	15						
45	4110 - Sugar Maple Association	Sawtimber Well	2.0	76	111-140	N/A	Most hard maple is on north end along road. Quaking Aspen and baswood to the south.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		5	Pole/Log	9		Ironwood		Low	10 - 20 feet	10 - 20 feet
Basswood		30	XLog	22		Musclewood/Hornbeam		Trace	10 - 20 feet	10 - 20 feet
Sugar Maple		60	Log	15	76	Red Maple		Low	10 - 20 feet	10 - 20 feet
Hemlock		5	Log	14						
46	4199 - Other Mixed Upland Deciduous	Sawtimber Well	21.8	114	111-140	N/A	Stand of oak mixed with red maple poletimber. Two small wet seeps within stand with some large white pine and a few hemlock. Ski trail runs through stand. Trace of sugar maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		5	Log	13		Ironwood		Low	10 - 20 feet	10 - 20 feet
White Pine		5	XLog	20		Hazelnut (Beaked)		Low	5 - 10 feet	5 - 10 feet
Red Maple		30	Pole	9		Sugar Maple		Trace	>20 feet	>20 feet
Red Oak		54	Log	14	114	White Pine		Low	Variable	Variable
Bigtooth Aspen		5	Log	16		Red Maple		Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		1	Log	13		Hemlock		Trace	10 - 20 feet	10 - 20 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																																																																																				
47	4130 - Aspen	Sapling Well	16.0	17	Immature	N/A	Cut spring 2009. 71-052-08-01 primarily a big tooth aspen stand with scattered sawtimber size oak. Scattered oak and pine left.																																																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>1</td><td>Log</td><td>15</td><td></td></tr><tr><td>White Oak</td><td>1</td><td>Log</td><td>15</td><td></td></tr><tr><td>Red Maple</td><td>3</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Red Oak</td><td>1</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>89</td><td>Sapling</td><td>4</td><td>17</td></tr><tr><td>Pin Cherry</td><td>1</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Red Pine</td><td>1</td><td>Log</td><td>17</td><td></td></tr><tr><td>White Pine</td><td>1</td><td>XLog</td><td>18</td><td></td></tr><tr><td>White Oak</td><td>1</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>White Pine</td><td>1</td><td>Sapling</td><td>3</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	1	Log	15		White Oak	1	Log	15		Red Maple	3	Sapling	3		Red Oak	1	Sapling	3		Bigtooth Aspen	89	Sapling	4	17	Pin Cherry	1	Sapling	3		Red Pine	1	Log	17		White Pine	1	XLog	18		White Oak	1	Sapling	3		White Pine	1	Sapling	3		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Hazelnut (Beaked)</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>White Oak</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Witch Hazel</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	10 - 20 feet	10 - 20 feet	Hazelnut (Beaked)	Trace	< 5 feet	< 5 feet	White Oak	Low	< 5 feet	< 5 feet	White Pine	Medium	5 - 10 feet	5 - 10 feet	Witch Hazel	Low	5 - 10 feet	5 - 10 feet	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet	Beech	Trace	5 - 10 feet	5 - 10 feet
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48	4124 - Red with White Oak	Sawtimber Well	10.4	110	141-170	N/A	Ski trail on the east side.																																																																																				
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49	4130 - Aspen	Sawtimber Well	37.6	43	111-140	N/A	Transitioning to sawtimber.																																																																																				
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50	4199 - Other Mixed Upland Deciduous	Sawtimber Well	56.4	106	141-170	N/A	High quality red oak and Bigtooth aspen stand mixed with some super canopy red and white pine. Old fire scars found on large pine. Red maple has good form. Hemlock stand to the north drains through a intermittent creek on the east side of the stand along steep ravine. Ski trail runs throughout stand.																																																																																				
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MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
56	4130 - Aspen	Sapling Well	27.6	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry		2	Pole	6		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen		82	Pole	6	27	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		15	Pole	6	27	White Pine	Low	Variable	Variable
Red Oak		1	Pole	6		Pin Cherry	Low	10 - 20 feet	10 - 20 feet
						Hazelnut (Beaked)	Low	5 - 10 feet	5 - 10 feet
						Black/Red (Hybrid) Oak	Trace	5 - 10 feet	5 - 10 feet
57	4130 - Aspen	Poletimber Well	94.2	43	111-140	N/A	High quality aspen stand. Some birch, oak and white pine mixed in		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Pole/Log	8		White Ash	Low	>20 feet	>20 feet
White Pine		2	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple		5	Pole/Sapling	5		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen		91	Pole/Log	9	43	Sugar Maple	Trace	10 - 20 feet	10 - 20 feet
58	4130 - Aspen	Poletimber Well	71.9	25	1-50	N/A	Some areas heavy to red maple stump sprouts.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Sapling/Pole	4		Red Maple	Low	5 - 10 feet	5 - 10 feet
Red Oak		10	Sapling/Pole	4		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		70	Pole/Sapling	5	25	White Oak	Low	10 - 20 feet	10 - 20 feet
59	4130 - Aspen	Poletimber Well	39.2	43	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		7	Pole/Log	8		Red Maple	Low	>20 feet	>20 feet
Red Maple		7	Pole	7		Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		85	Pole/Log	9	43	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black Cherry		1	Pole/Log	9		Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet
60	4130 - Aspen	Poletimber Well	29.3	35	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Pole	7		White Ash	Low	>20 feet	>20 feet
Red Maple		5	Pole	7		Red Maple	Low	>20 feet	>20 feet
Quaking Aspen		9	Pole	7					
Bigtooth Aspen		82	Pole	9	35				
Paper Birch		1	Pole	6					
Pin Cherry		1	Pole	7					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
67	4130 - Aspen	Poletimber Well	98.7	26	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Sapling	3		White Oak	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		82	Pole/Sapling	5	26	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple		15	Sapling	3		Red Maple	Medium	>20 feet	>20 feet
White Oak		1	Sapling	3		Pin Cherry	Low	Variable	Variable
68	4123 - Red Oak	Sawtimber Well	5.3	45	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		5	Pole/Log	8		Pin Cherry	Low	Variable	Variable
Red Oak		55	Log/Pole	11	45	Red Maple	Medium	>20 feet	>20 feet
Red Oak		30	XLog	23	99	White Pine	Low	10 - 20 feet	10 - 20 feet
White Oak		10	XLog/Log	20		White Oak	Trace	10 - 20 feet	10 - 20 feet
69	4130 - Aspen	Poletimber Well	32.1	34	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		93	Pole	6	34	Red Maple	Low	>20 feet	>20 feet
Red Oak		2	Pole	6					
Red Maple		5	Pole	6					
70	4130 - Aspen	Poletimber Well	97.6	44	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Pole	7		Red Maple	High	>20 feet	>20 feet
Red Maple		5	Pole	7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		91	Pole/Log	8	44	Pin Cherry	Low	Variable	Variable
Black/Red (Hybrid) Oak		1	Pole	6		Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet
White Oak		1	Log	10					
71	4130 - Aspen	Poletimber Well	41.7	26	51-80	N/A	A3 stand with a small wet pocket dominated by mature maple oak and hemlock.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		79	Pole	5	26	White Oak	Low	10 - 20 feet	10 - 20 feet
Paper Birch		1	Sapling	4		Red Maple	Low	10 - 20 feet	10 - 20 feet
White Pine		5	Pole	8		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Oak		5	Pole	5					
Red Maple		10	Sapling/Pole	4					

A3 stand with a small wet pocket dominated by mature maple oak and hemlock.



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
77	4130 - Aspen	Poletimber Well	10.7	26	1-50	N/A	Cut in 1999.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		1	Sapling	4		Beech	Trace	10 - 20 feet	10 - 20 feet
Red Maple		10	Sapling	4		Red Maple	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		89	Pole	5	26	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
78	310 - Herbaceous Openland	None	2.4			No			Pipeline corridor.
79	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	14.6	100	81-110	N/A			Thinned 2015. Spec cut aspen and red maple. Red oak on NW side cored to 1926. A second age class has started.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		31	Log	15	100	Red Maple	High	10 - 20 feet	10 - 20 feet
White Oak		7	Log	15		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Pine		28	XLog/Log	18		Cherry (spp.)	Low	5 - 10 feet	5 - 10 feet
White Pine		4	Sapling	3					
Bigtooth Aspen		10	Sapling	2					
Red Maple		20	Sapling	2	11				
80	4123 - Red Oak	Sawtimber Well	5.9	112	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		93	Log	15	112	Beech	Low	Variable	Variable
White Pine		2	Log/Pole	14		White Pine	Medium	Variable	Variable
Red Maple		5	Pole	6	38	Red Maple	Medium	>20 feet	>20 feet
						Bigtooth Aspen	Low	>20 feet	>20 feet
						Witch Hazel	Low	5 - 10 feet	5 - 10 feet
81	3102 - Grass	None	5.1			No			OPIC - FMD: LAKEHEAD PIPELINE R.O.W.
83	4125 - Black, N. Pin Oak	Sawtimber Well	6.2	65	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		2	Pole/Log	7		Beech	Low	10 - 20 feet	10 - 20 feet
Red Maple		5	Pole	8		Red Maple	Medium	>20 feet	>20 feet
Black/Red (Hybrid) Oak		88	Log/Pole	12	65	White Pine	High	Variable	Variable
Black Cherry		5	Log/Pole	10					
84	4123 - Red Oak	Sawtimber Well	6.5	110	81-110	N/A			Trace ammounts of sugar maple.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Log/Pole	10		Red Maple	Medium	>20 feet	>20 feet
Red Oak		89	Log	16	110	Beech	Low	10 - 20 feet	10 - 20 feet
White Pine		1	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
85	4123 - Red Oak	Sawtimber Well	3.4	110	81-110	N/A	1938 aerial imagery confirms the stand was partially open at one time, leading to the second age class.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>1</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Log</td><td>13</td><td></td></tr><tr><td>Sugar Maple</td><td>1</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Red Oak</td><td>30</td><td>Pole</td><td>8</td><td>53</td></tr><tr><td>Red Oak</td><td>46</td><td>Log/XLog</td><td>17</td><td>110</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Cherry	1	Pole	8		White Oak	2	Log	13		Sugar Maple	1	Log/Pole	10		White Pine	5	Log	12		Red Maple	15	Pole	8		Red Oak	30	Pole	8	53	Red Oak	46	Log/XLog	17	110	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet	Beech	Low	10 - 20 feet	10 - 20 feet	Red Maple	Medium	>20 feet	>20 feet
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86	4123 - Red Oak	Sawtimber Well	35.3	110	111-140	N/A	Stand was thinned in 2010.																																																					
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87	4311 - Pine, Aspen Mix	Sawtimber Well	4.6	51	111-140	N/A	Dense white pine stand transitioning to walnut in the nw qtr.																																																					
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88	310 - Herbaceous Openland	None	6.9			No																																																						
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89	42200 - Natural White Pine	Sawtimber Well	13.3	81	111-140	N/A	Thinned 2004.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
90	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	16.6	74	81-110	N/A	Older more open grown white pine dominate the canopy. There is a younger cohort of mainly oak comprised of 7-12" dbh trees. East side is higher quality with some vigorous sugar maple saplings.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		60	Log/XLog	17	74	Sugar Maple		Low	>20 feet	>20 feet
Red Oak		20	Pole/Log	9	50	Red Maple		High	>20 feet	>20 feet
Black Cherry		5	Pole/Log	9		Beech		Low	10 - 20 feet	10 - 20 feet
Red Maple		15	Pole/Log	9		White Pine		Low	Variable	Variable
91	4123 - Red Oak	Sawtimber Well	40.0	106	111-140	N/A	Oak and sugar maple stand that was thinned in 2009. Most areas are thick with good regeneration of hard maple, beech and cherry. Hold stand to allow understory become more established. Harvesting within this stand would cause significant damage to the advanced understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		34	Log	11		Sugar Maple		Medium	5 - 10 feet	5 - 10 feet
Red Maple		5	Log	11		Black Cherry		Low	10 - 20 feet	10 - 20 feet
Red Oak		60	Log	15	106	Red Maple		Low	>20 feet	>20 feet
White Pine		1	Log/XLog	17		White Pine		Low	5 - 10 feet	5 - 10 feet
						Ironwood		Low	>20 feet	>20 feet
						Beech		Medium	10 - 20 feet	10 - 20 feet
92	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	2.6	120	111-140	N/A	Small stand of large, tall white pine in a bowl. White pine approaching state record height.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		5	Log/Pole	10		Red Maple		Low	>20 feet	>20 feet
Red Oak		15	Log	14		Beech		Medium	>20 feet	>20 feet
Red Maple		10	Log	12		Black Cherry		Trace	10 - 20 feet	10 - 20 feet
White Pine		69	XLog/Log	18	120	Ironwood		Trace	>20 feet	>20 feet
Red Pine		1	Log	17						
93	4123 - Red Oak	Sawtimber Well	10.5	115	81-110	N/A	High quality red oak stand mixed with sugar maple.THINNED JULY 2009.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Beech		2	Pole	9		Beech		Medium	5 - 10 feet	5 - 10 feet
Red Oak		75	Log	15	115	White Pine		Low	5 - 10 feet	5 - 10 feet
Sugar Maple		23	Log	11		Sugar Maple		Low	>20 feet	>20 feet
						Black Cherry	Low	5 - 10 feet	5 - 10 feet	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
94	4123 - Red Oak	Sawtimber Well	129.6	106	81-110	N/A	Large stand of variable quality oak on rolling topography. Most areas are of good quality red oak with some areas of black oak. Black oak is found primarily on the east side of the stand. Stand mixes with a northern hardwoods component on western side. One small cedar and hemlock drainage found on the sw side of stand. Ski trail runs through stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		38	Log	14		Pin Cherry		Trace	< 5 feet	< 5 feet
White Oak		2	Log	12		Witch Hazel		Low	< 5 feet	< 5 feet
Red Oak		58	Log	14	106	Red Maple		Medium	5 - 10 feet	5 - 10 feet
Red Pine		1	Log	15		Bigtooth Aspen		Medium	5 - 10 feet	5 - 10 feet
White Pine		1	Log	15		Beech		Trace	10 - 20 feet	10 - 20 feet
						Hemlock		Trace	>20 feet	>20 feet
						Serviceberry (Juneberry)		Trace	5 - 10 feet	5 - 10 feet
						White Pine		Medium	5 - 10 feet	5 - 10 feet
95	4123 - Red Oak	Sawtimber Well	21.6	109	111-140	N/A	Has a ski trail. Does not appear to have been thinned.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak		85	Log	14	109	Red Maple	Medium	10 - 20 feet	10 - 20 feet	
White Oak		2	Log/Pole	10		White Pine	Medium	5 - 10 feet	5 - 10 feet	
White Pine		8	Log/Pole	12		Pin Cherry	Low	5 - 10 feet	5 - 10 feet	
Red Maple		5	Pole	6		Beech	Low	5 - 10 feet	5 - 10 feet	
96	6127 - Lowland Pine	Sawtimber Well	16.7	110	141-170	N/A	Bottom of ravine with rich high organic alluvial sands.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Pine		64	Log/XLog	17	110	Ironwood	Low	>20 feet	>20 feet	
Red Pine		5	Log	12		Beech	Low	>20 feet	>20 feet	
Hemlock		15	Log/Pole	11		Witch Hazel	Low	5 - 10 feet	5 - 10 feet	
Northern White Cedar		5	Pole	9		Red Maple	Low	>20 feet	>20 feet	
Red Maple		6	Log/Pole	10						
Red Oak		2	Log	14						
Bigtooth Aspen		2	Log	15	110					
Sugar Maple		1	Log	14						
97	4110 - Sugar Maple Association	Sawtimber Well	2.0	110	111-140	N/A	Small stand of Northern hardwoods. Klacking creek runs through stand. Maidenhair fern, blue kohosh, white baneberry.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple		85	XLog/Log	19	110	Leatherwood	Medium	< 5 feet	< 5 feet	
Basswood		5	XLog/Log	19		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet	
Red Maple		5	Log/Pole	12		Ironwood	Low	10 - 20 feet	10 - 20 feet	
Bigtooth Aspen		5	Log/Pole	12						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
98	4131 - Aspen, Oak	Sawtimber Well	45.6	109	111-140	N/A	Steep ravine that slopes towards Klacking Creek Valley. Sugar maple along the bottom of the slope. Diverse species composition. Lots of subcanopy hemlock under the aspen. Areas with more oak tend towards a white pine subcanopy.																																																								
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99	4122 - Oak, Pine	Poletimber Well	5.1	43	51-80	N/A	Used to be heavily used by ORVs. Fence has curtailed this issue and the stand is recovering.																																																								
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102	3102 - Grass	None	1.9			No																																																									





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
108	42110 - Planted Red Pine	Sawtimber Well	7.2	69	171-200	N/A	Stand was thinned in 1999 and again in 2009.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		1	Log	15		Beech	Low	5 - 10 feet	5 - 10 feet
Red Pine		99	Log	11	69	White Pine	High	Variable	Variable
109	4119 - Mixed Northern Hardwoods	Poletimber Poor	1.4	27	1-50	N/A	Opening reverting to forested.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Sapling	3		White Pine	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		20	Pole	5		Autumn Olive	Low	5 - 10 feet	5 - 10 feet
Black Cherry		70	Pole/Sapling	6	27				
110	4123 - Red Oak	Sawtimber Well	13.1	127	111-140	N/A	Found 2 log sized sugar maple and 1 pole.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		6	Log	10		White Pine	Low	Variable	Variable
Red Oak		92	Log	15	127	Red Maple	Medium	>20 feet	>20 feet
White Pine		2	XLog/Log	18		Sugar Maple	Trace	>20 feet	>20 feet
						Ironwood	Medium	>20 feet	>20 feet
						White Ash	Low	< 5 feet	< 5 feet
						Black Cherry	Low	< 5 feet	< 5 feet
111	4319 - Mixed Upland Forest	Poletimber Poor	1.8	41	1-50	N/A	Opening that had larger trees and is now filling in with a 2nd cohort.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		12	XLog/Log	18		Red Maple	Medium	>20 feet	>20 feet
White Pine		13	Pole/Sapling	5	73	White Pine	Low	5 - 10 feet	5 - 10 feet
Red Maple		25	Pole/Sapling	6					
Black/Red (Hybrid) Oak		13	XLog/Log	18					
White Pine		25	XLog/Log	20	41				
Black Cherry		12	Log/Pole	10					
112	4123 - Red Oak	Sawtimber Well	7.9	94	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		3	Pole/Log	9		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Red Oak		95	Log	14	94	White Pine	Low	< 5 feet	< 5 feet
Bigtooth Aspen		2	Log	14					
113	4123 - Red Oak	Sawtimber Well	86.1	118	81-110	N/A	Good quality red oak mixed with red maple and some aspen. Old notes say that aspen was cut out in 1968. Rolling terrain. 2021 shelterwood.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		2	Pole	9		Red Maple	Medium	>20 feet	>20 feet
Red Oak		97	Log	15	118	Beech	Low	5 - 10 feet	5 - 10 feet
White Pine		1	XLog	18		White Pine	Low	Variable	Variable
						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		
114	4123 - Red Oak	Sawtimber Well	75.4	106	111-140	N/A	Good quality red oak stand that was thinned in 2009. Some pine were suppressed saplings at stand initiation, cored back to 1876.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		3	XLog/Log	19		Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple		7	Log/Pole	10		Sugar Maple	Trace	>20 feet	>20 feet
Red Oak		86	Log	14	106	Ironwood	Low	>20 feet	>20 feet
White Oak		2	Log	13		Pin Cherry	Medium	5 - 10 feet	5 - 10 feet
Sugar Maple		1	Log/Pole	10		Beech	Low	10 - 20 feet	10 - 20 feet
Red Pine		1	XLog/Log	18	150	White Pine	Medium	Variable	Variable
115	4125 - Black, N. Pin Oak	Poletimber Well	18.7	57	81-110	N/A	Stand originated from agricultural abandonment.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		2	Pole	8		Red Maple	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		78	Pole/Log	9	57	White Pine	Low	Variable	Variable
Red Oak		20	Pole/Log	9		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
116	4110 - Sugar Maple Association	Sawtimber Well	3.6	77	111-140	N/A	Small pocket of sugar maple. Used as a deer camp. The younger cohort likely originated from about 10 much older open grown maple trees.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		16	XLog	25	141	Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Red Oak		4	Log	13		White Pine	Low	5 - 10 feet	5 - 10 feet
Sugar Maple		75	Log	13	77				
White Pine		5	Log	14					
117	3102 - Grass	None	1.9			No	This opening is unique to the compartment and even the unit in that there is young vigorous sugar maple 1-15' tall around the perimeter which have escaped significant deer browse.		
Sub-Canopy Species		Density	Avg. Height	Size					
Sugar Maple		High	5 - 10 feet	5 - 10 feet					
Sweet Fern		High	< 5 feet	< 5 feet					
118	4131 - Aspen, Oak	Sawtimber Well	14.8	95	141-170	N/A	Some areas of steep slope.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		35	Log	14		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		45	Log/Pole	13	95	Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple		5	Log/Pole	12		White Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak		10	Log	16					
Red Pine		2	XLog/Log	18					
White Pine		3	XLog/Log	20					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
119	6127 - Lowland Pine	Poletimber Well	19.7	110	81-110	N/A				
Canopy Species Northern White Cedar Paper Birch White Pine Northern White Cedar White Pine		% Cover 3 3 3 30 61	Size Class Sapling Sapling Sapling Log/Pole XLog/Log	DBH 1 4 3 10 19	Age 20 20 110	Sub-Canopy Species Red Maple	Density Low	Avg. Height >20 feet	Size >20 feet	
120	4131 - Aspen, Oak	Sawtimber Well	40.2	52	111-140	N/A	Mixed stand of aspen, oak and maple. Rolling hills with some steep ridges. Some sugar maple present. Just barely log size.			
Canopy Species White Pine Red Maple Red Oak Bigtooth Aspen Black/Red (Hybrid) Oak		% Cover 2 10 18 68 2	Size Class Log/Pole Pole Pole/Log Log/Pole Pole	DBH 10 7 9 10 8	Age 52	Sub-Canopy Species Red Maple Pin Cherry Sugar Maple	Density Medium Trace Trace	Avg. Height >20 feet < 5 feet >20 feet	Size >20 feet < 5 feet >20 feet	
121	4131 - Aspen, Oak	Sawtimber Well	13.0	110	141-170	N/A	Stand of good quality oak and aspen on a steep slope down to Klacking creek. Mostly inoperable due to steep terrain.			
Canopy Species Red Maple Bigtooth Aspen Red Oak		% Cover 2 60 38	Size Class Log Log/Pole Log/Pole	DBH 13 12 12	Age 110	Sub-Canopy Species Beech Red Maple White Pine Red Maple	Density Trace Low Low Low	Avg. Height 10 - 20 feet 10 - 20 feet Variable >20 feet	Size 10 - 20 feet 10 - 20 feet Variable >20 feet	
122	4130 - Aspen	Poletimber Well	36.6	35	51-80	N/A				
Canopy Species Red Oak Bigtooth Aspen Red Maple		% Cover 8 90 2	Size Class Pole Pole/Log Pole	DBH 7 8 6	Age 35	Sub-Canopy Species White Pine Witch Hazel Red Maple	Density Low Low Medium	Avg. Height >20 feet 5 - 10 feet 10 - 20 feet	Size >20 feet 5 - 10 feet 10 - 20 feet	
123	4130 - Aspen	Poletimber Well	61.4	45	81-110	N/A				
Canopy Species Red Maple Bigtooth Aspen Red Oak		% Cover 1 94 5	Size Class Pole Pole/Log Pole/Log	DBH 8 9 9	Age 45	Sub-Canopy Species Red Maple Sugar Maple	Density Medium Trace	Avg. Height >20 feet 10 - 20 feet	Size >20 feet 10 - 20 feet	
124	4130 - Aspen	Poletimber Well	58.8	35	Immature	N/A				
Canopy Species Red Oak Paper Birch Bigtooth Aspen Red Maple		% Cover 7 1 84 8	Size Class Pole Pole Pole Pole	DBH 7 7 8 7	Age 35	Sub-Canopy Species Pin Cherry Red Maple	Density Low Medium	Avg. Height 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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125	4130 - Aspen	Poletimber Well	39.4	45	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Pole/Log	9		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	5	Pole	8		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen	90	Pole/Log	9	45				

126	6113 - Lowland Maple	Poletimber Medium	1.7	63	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	4	Pole/Log	9		Hemlock	Trace	>20 feet	>20 feet
Balsam Fir	7	Pole	9		Tag Alder	Low	5 - 10 feet	5 - 10 feet
White Ash	1	Pole	8		Red Maple	Medium	>20 feet	>20 feet
Beech	4	Pole	8		Balsam Fir	Low	>20 feet	>20 feet
Paper Birch	2	Pole	8					
White Pine	2	Pole	9	63				
Red Maple	74	Pole/Log	9	63				
Red Oak	6	Pole/Sapling	7	63				

127	6120 - Lowland Cedar	Poletimber Well	3.7	102	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Log/Pole	10		Balsam Fir	Medium	Variable	Variable
Northern White Cedar	97	Pole/Log	9	102				

128	4131 - Aspen, Oak	Sawtimber Well	32.1	110	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	1	Log/Pole	10		Sugar Maple	Low	>20 feet	>20 feet
Red Maple	7	Log/Pole	11		Balsam Fir	Low	Variable	Variable
Red Oak	34	Log	15	110	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	50	Log	15	110	Red Maple	Low	>20 feet	>20 feet
Sugar Maple	7	Log/Pole	11		Sugar Maple	Trace	10 - 20 feet	10 - 20 feet
Basswood	1	Log	15					

Stand of high quality red oak and aspen. A creek that feeds Klacking Creek flows through the stand. Multiple intermittent streams and wet seeps are also present and flow south towards Klacking Creek. Soft soils and steep terrain would make harvesting this stand difficult.

129	4123 - Red Oak	Sawtimber Well	12.6	105	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	100	Log/Pole	14	105	Bigtooth Aspen	Low	>20 feet	>20 feet
					Hemlock	Trace	10 - 20 feet	10 - 20 feet
					White Pine	Trace	10 - 20 feet	10 - 20 feet
					Red Maple	Medium	Variable	Variable
					Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Aspen and red maple removed in 2000.



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
136	4130 - Aspen	Poletimber Well	14.5	51	111-140	N/A	Could not find corner on sw side 2026.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		4	Log/Pole	10		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen		93	Pole/Log	9	51	White Pine	Low	Variable	Variable
Red Maple		3	Pole	7		Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
137	4113 - R.Maple, Conifer	Poletimber Well	5.8	25	1-50	N/A	Split out from the surrounding stand due to lower density and higher red Maple content.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		70	Pole/Sapling	5	25	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Oak		1	Pole/Sapling	5					
Bigtooth Aspen		5	Pole/Sapling	6	25				
White Pine		22	Pole/Sapling	6					
White Oak		2	Pole/Sapling	6					
138	6225 - Bog	None	29.8			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Low	10 - 20 feet	10 - 20 feet					
Leatherleaf		Full	< 5 feet	< 5 feet					
White Pine		Low	5 - 10 feet	5 - 10 feet					
139	4130 - Aspen	Sapling Medium	22.8	5	Immature	N/A	The corners did not come back to aspen as well as the middle but it should fill in adequately.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		25	Sapling	1					
Bigtooth Aspen		74	Sapling	1	5				
White Pine		1	Sapling	1					
140	4139 - Aspen, Mixed Deciduous	Sawtimber Well	7.7	115	111-140	N/A	Mixed aspen, maple stand that is cut off from ridge to the west and Pvt to the east. Several wet spots along the road and the base of the ridge on the south side.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Log/Pole	10		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir		2	Pole	5		Balsam Fir	Medium	Variable	Variable
Paper Birch		10	Pole	9					
Bigtooth Aspen		35	Log	13	115				
Red Oak		10	Log	15					
White Pine		5	Log	14					
Red Pine		5	Log	15					
Quaking Aspen		18	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
141	4125 - Black, N. Pin Oak	Sawtimber Well	8.8	109	111-140	N/A	Essentially the same oak stand to the east but this stand has not been treated. There are a few supercanopy white pine mostly on the east side.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		1	XLog/Log	18		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
Red Maple		9	Pole/Log	9		Red Maple		Low	>20 feet	>20 feet
White Pine		20	Pole/Log	9		White Pine		Low	10 - 20 feet	10 - 20 feet
White Oak		10	Log	14						
Black/Red (Hybrid) Oak		48	Log	14	109					
Red Oak		10	Log	15						
White Pine		2	XLog	24						
142	4130 - Aspen	Unspecified	2.3	50	1-50					
143	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.7	62	81-110	N/A	Oak is in decline.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		53	Log/Pole	11	62	Red Maple	High	10 - 20 feet	10 - 20 feet	
White Pine		20	Log	10		Autumn Olive	Low	5 - 10 feet	5 - 10 feet	
Black Cherry		20	Pole/Log	9		White Pine	Low	10 - 20 feet	10 - 20 feet	
Jack Pine		7	Pole/Log	9						
144	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.3	52	81-110	N/A	Cut out from surrounding Oak stand due to high Cherry and red maple content. Lower site quality in a bowl. 1938 imagery indicates this stand was open after the surrounding oak was initiated.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		10	Log	15	110	Red Maple		High	>20 feet	>20 feet
Red Maple		45	Log/Pole	10	52	Black Cherry		Low	5 - 10 feet	5 - 10 feet
Black Cherry		40	Log/Pole	11	52	Beech		Low	10 - 20 feet	10 - 20 feet
White Oak		3	Log/Pole	10		White Pine		Low	10 - 20 feet	10 - 20 feet
White Pine		2	Log	14						
145	4123 - Red Oak	Sawtimber Well	4.8	110	81-110	N/A	Stand was thinned in 2010. Split off from stand to the south due to higher site quality and sugar maple poles. Did not see and codominant or dominant sugar maple, only intermediate.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		82	Log	14	110	White Pine		Medium	Variable	Variable
Red Maple		15	Log/Pole	11		Black Cherry		Low	5 - 10 feet	5 - 10 feet
White Pine		3	Log/XLog	17		Sugar Maple		Low	>20 feet	>20 feet
						Beech		Low	10 - 20 feet	10 - 20 feet
						Red Maple		Medium	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
146	42200 - Natural White Pine	Sawtimber Well	4.9	53	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		60	Log/Pole	11	53	Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet
Red Pine		30	Log/Pole	11		White Pine	Low	Variable	Variable
Jack Pine		2	Pole	7					
Black/Red (Hybrid) Oak		8	Pole	7					
147	4139 - Aspen, Mixed Deciduous	Poletimber Well	11.7	43	1-50	N/A	This stand had either a tornado or straight line wind event blow down over half the trees. A matrix of patches of blow down and residual from the old stand with individuals, commonly red oak, scattered in the blow down areas. Likely happened around 2015-2016.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Pole	8		Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple		50	Sapling	2	10	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		41	Pole	9	43				
Paper Birch		1	Sapling	2					
Bigtooth Aspen		5	Sapling	2	10				
Red Oak		1	Sapling	1					
148	6127 - Lowland Pine	Sawtimber Well	2.8	111	141-170	N/A	Ski trail to the east. Usually wet into the summer. Split out from surrounding stand due to high pine content and lowland status.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Log/Pole	10		Red Maple	Medium	>20 feet	>20 feet
White Oak		5	Log	14					
White Pine		90	Log/XLog	17	111				