



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45182

Entry Year 2025

Acreage: 2,305

County Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Nate Plato

Legal Description:

T44N-R11W, Sections 3-5, 9-11, & 15

Identified Planning Goals:

This compartment is located about three miles northeast of Curtis. The northern part of the Black Creek Flooding lies within compartment boundaries. The majority of the compartment is lowland swamp conifer and cedar. Other timber types include lowland poplar, lowland hardwoods, northern hardwoods, aspen and a red pine stand. The aspen and spruce – fir types are regenerating nicely and the hardwoods and red pine need regular treatments to promote health and growth.

Soil and topography:

Lowlands and swamps consist primarily of Markey and Carbondale mucks, with Spot-Finch and Markey-Spot-Finch Complexes. Upland are generally Amadon-Rock outcrop complex, Menominee loamy sand, Wallace sand, and Paquin sand. Level lowlands to rolling uplands.

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

The compartment is bordered by state land to the southwest, the northeast, and the east. The far southern portion of the compartment is primarily private. There are also several parcels of private land along the eastern and western portion of the compartment. The Mackinac/Luce County line is the north boundary.

Unique Natural Features:

Within the Western portion of the compartment there is a great blue heron rookery, osprey nests, an eagle nest, and the Black Creek headwaters.

Archeological, Historical, and Cultural Features:

The northern portion of the Black Creek Wildlife Flooding lies in section 5. The Tahquamenon Area School Forest is adjacent to the compartment.

Special Management Designations or Considerations:

Some stands within this compartment are only accessible in the winter through private land. ORV trails will be maintained and signed when harvesting stands.

Watershed and Fisheries Considerations:

This compartment encompasses the Upper Black Creek watershed. Upstream of the Black River Flooding (46.238264 - 85.696552), the Upper Black River is a designated Type 1 trout stream less than 50 foot wide. A 300-foot buffer is recommended for the Upper Black River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffers are recommended in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 182 is in the St. Ignace Lake Plain Management Area. Cedar swamp and marsh are common here. Part of the Black Creek Flooding State Wildlife Management Area is located on the western side of the compartment. Northern hardwoods and some aspen are located on the far eastern side. Species use of the compartment includes, but is not limited, to white-tailed deer, snowshoe hare, bobcat, black bear, coyote, beaver, otter, mink, eagles, osprey, and waterfowl including mallards and wood ducks.

Wildlife objectives in this compartment are to maintain and enhance species and structural diversity within the hardwood forests and maintain the cedar cover. A component of healthy beech will be retained in northern hardwoods, and some large diameter and wolfy trees will be left for potential hawk nests and future cavity nesting species. Standing dead trees are essential for providing cavities for secondary cavity nesting wildlife species and should be left, when safe, on the landscape. Cedar stands will be retained to provide wintering cover for white-tailed deer as well as habitat for bobcat, black bear, and numerous other wildlife. Hunting, trapping, and wildlife viewing are common types of wildlife-based recreation in this area. Historical eagle, osprey and great blue heron detections are reported on the Conservation Area Review Application by MNFI and stand examiners should be mindful of potential nesting areas of those species and of raptor stick nests within forested stands. Using forest products to create snowshoe hare and ruffed grouse habitat in

appropriate cover will be beneficial.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. The nearest active sand/gravel operation is roughly one mile southwest, in Sec 16. The best potential for sand and gravel within the compartment appears to be on the uplands in sections 11 and 15. Sand & gravel operations in this region tend to be relatively small in scale, but there are many. There may be potential for high-purity dolomite beneath the compartment, but it is likely too deep to have significant potential for economic development.

Vehicle Access:

Access to the eastern portion of the compartment is limited to Forest Trail which is a poorer quality county road. The hardwood stands have fairly good access from old logging two tracks. The interior of the compartment has a two track and several ice-roads but these originate on private land. Large portions of the compartment are inaccessible.

Survey Needs:

Some treatments this entry will include blue line work. New corners will be needed on multiple treatments.

Recreational Facilities and Opportunities:

Snowmobile trail #457 traverses the southeast portion of the compartment. The Sandtown Motorcycle trail also traverses this same corner of the compartment. As much as possible, avoid the motorcycle trail; cut ORV marker trees above the markers whenever possible. Keep all trails clear of logging slash and debris.

Fire Protection:

The compartment cover types and low ground limit potential for any large scale fire problems. The potential for fire exists where human activity is present and in adjoining private lands. Access would be a problem for any fires occurring in the compartments interior. Vehicle access is very limited. Any fires in the lower areas would pose potential mop-up problems.

Additional Compartment Information:

The following reports from the Inventory are attached:

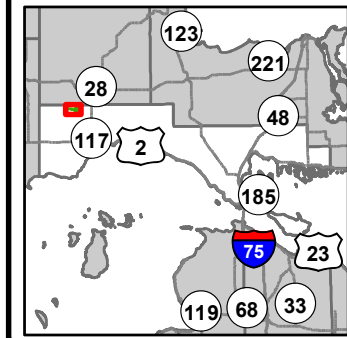
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

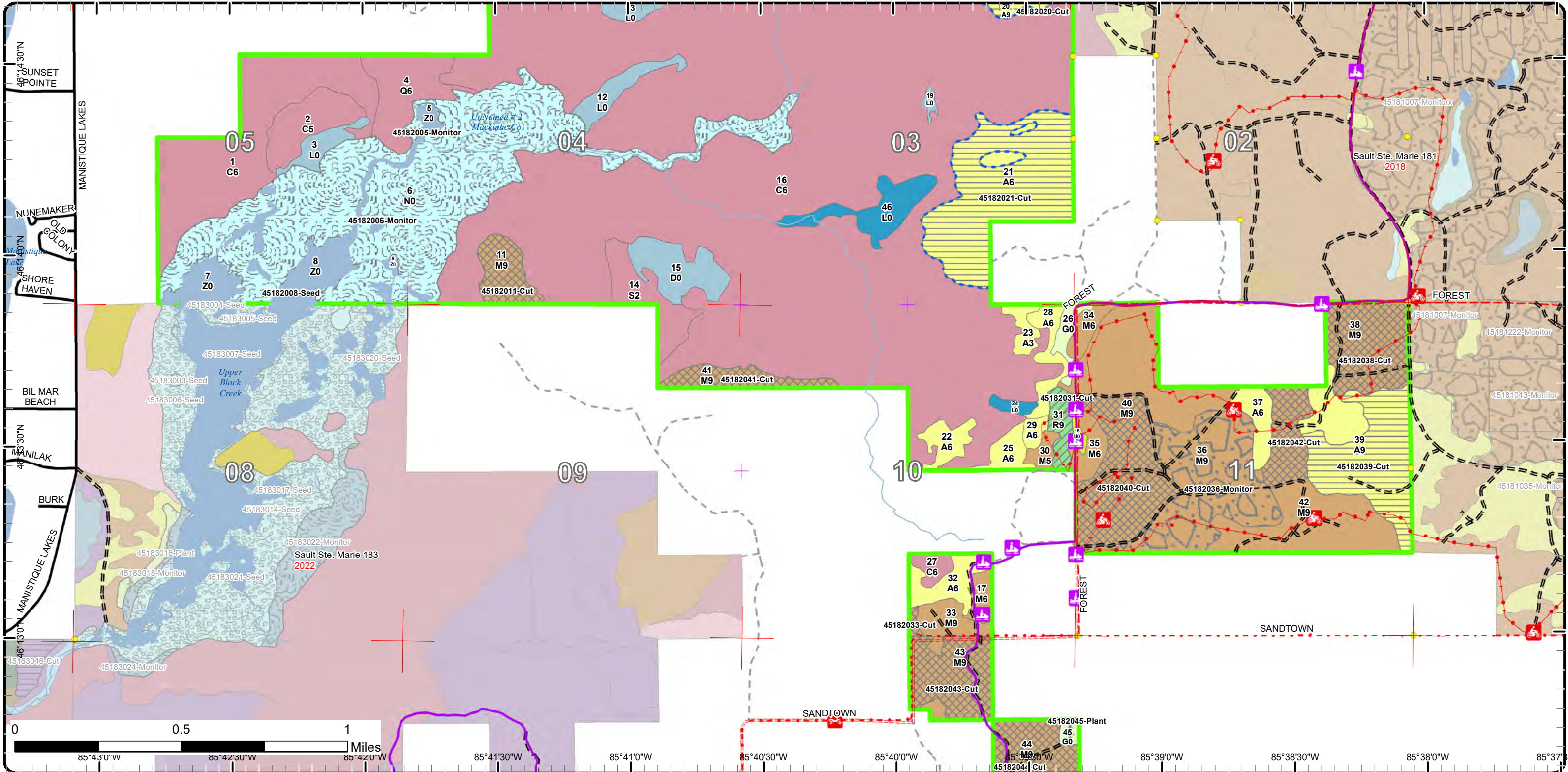
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 182
 T44N, R12W, Sec: 3-5, 9-11, 15
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2025
 Acres: 2305.1 GIS Calculated
 Examiner: Nate Plato
 Map Revised: 8/2/2023
 Map Phase: Review

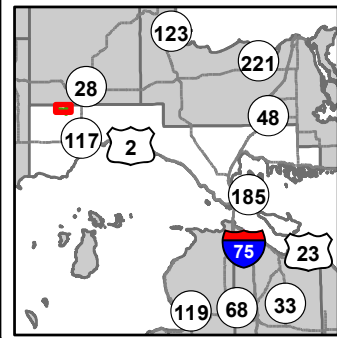


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛵 Snowmobile Trails
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- Designated ORV Route
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- Lakes and Rivers
- Perennial River
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Planting (Tree Species)
- Clearcut (w/Reserves)
- Seeding (Tree Species)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Monitoring
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

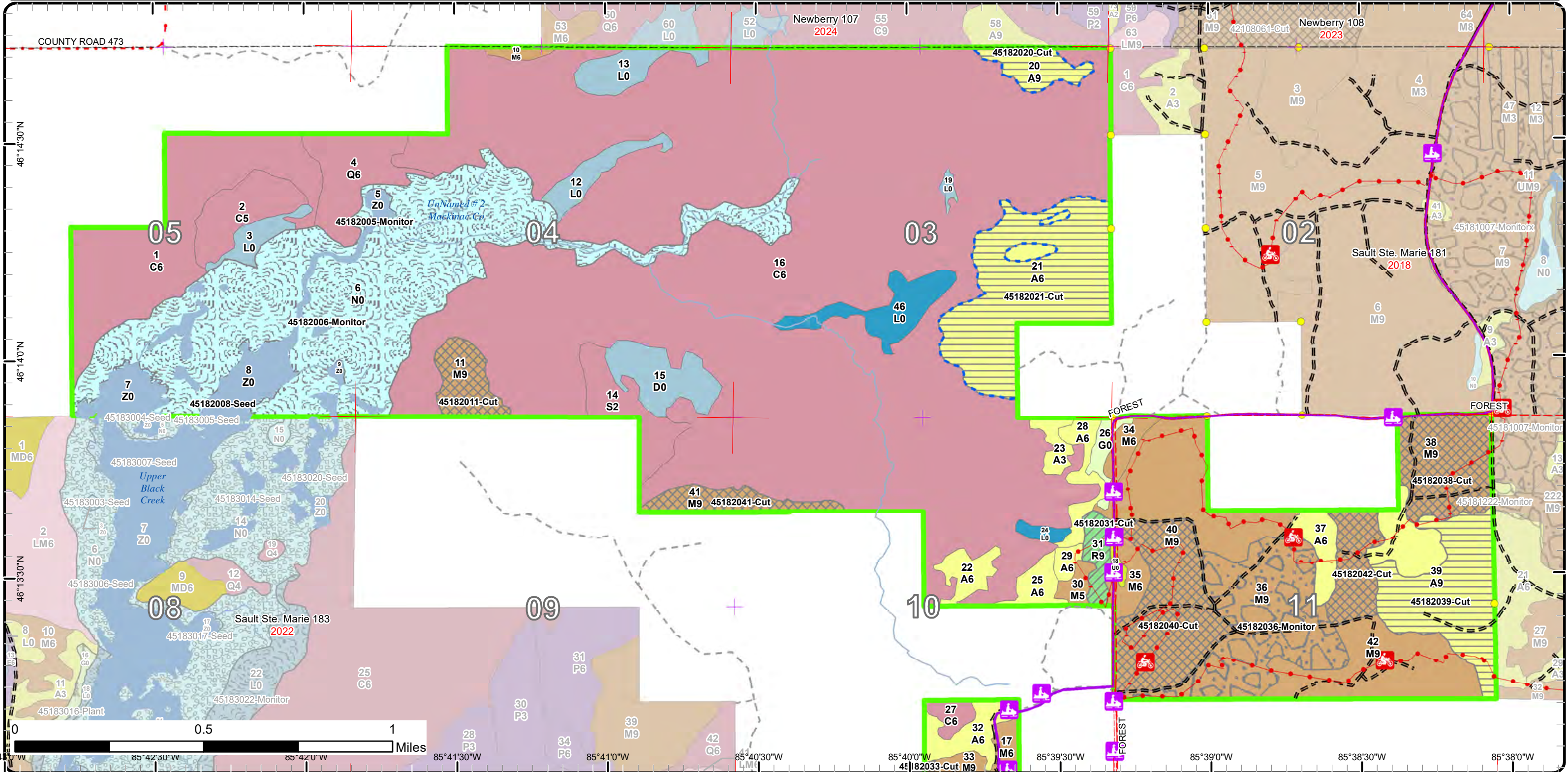


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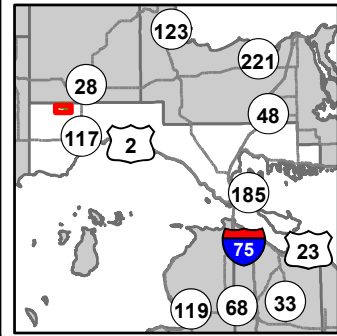


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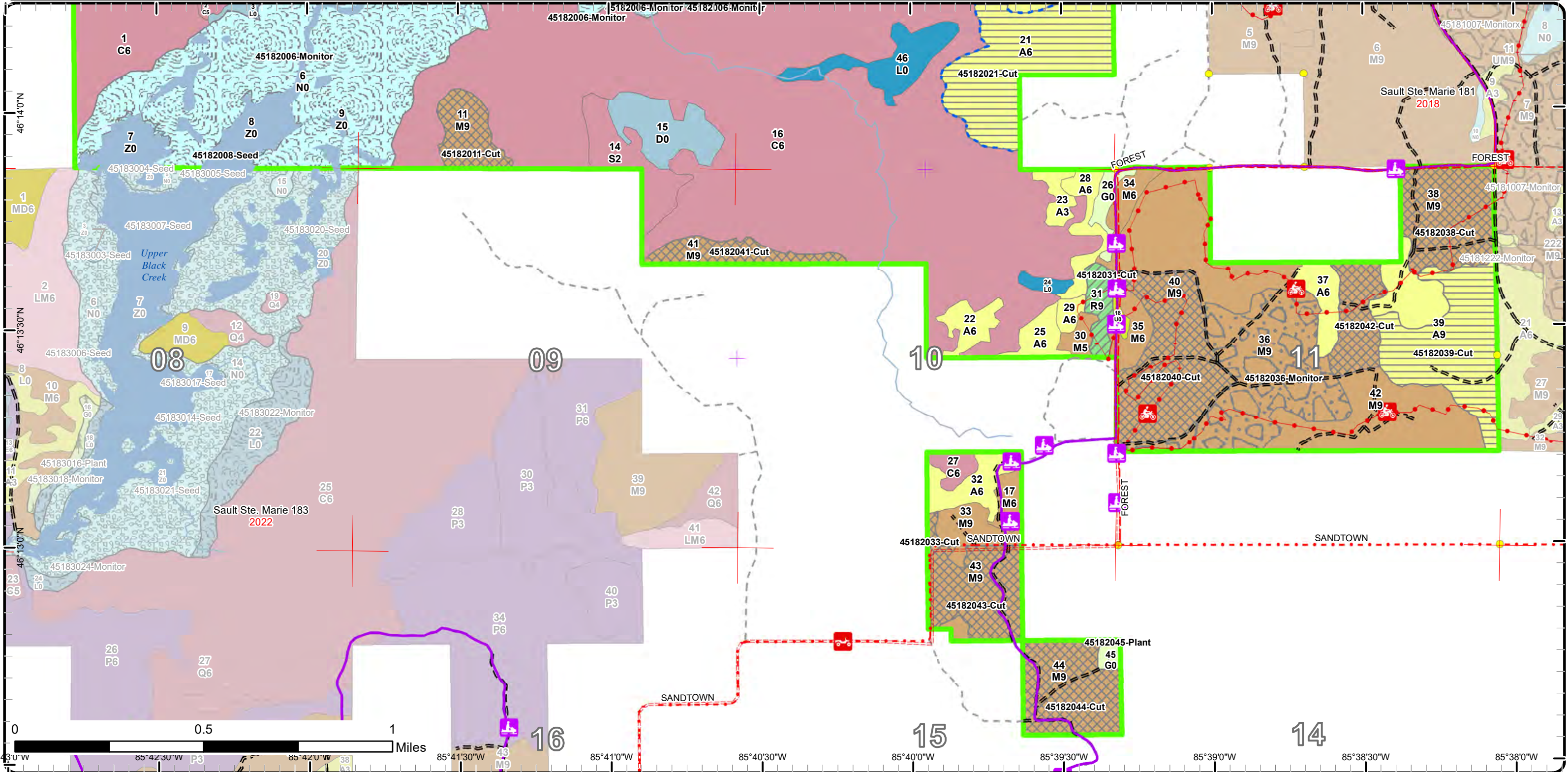


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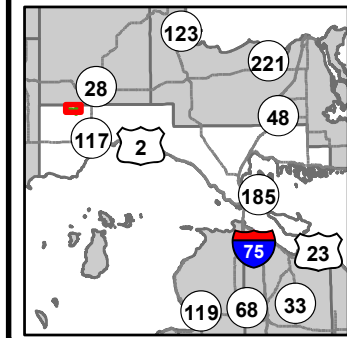


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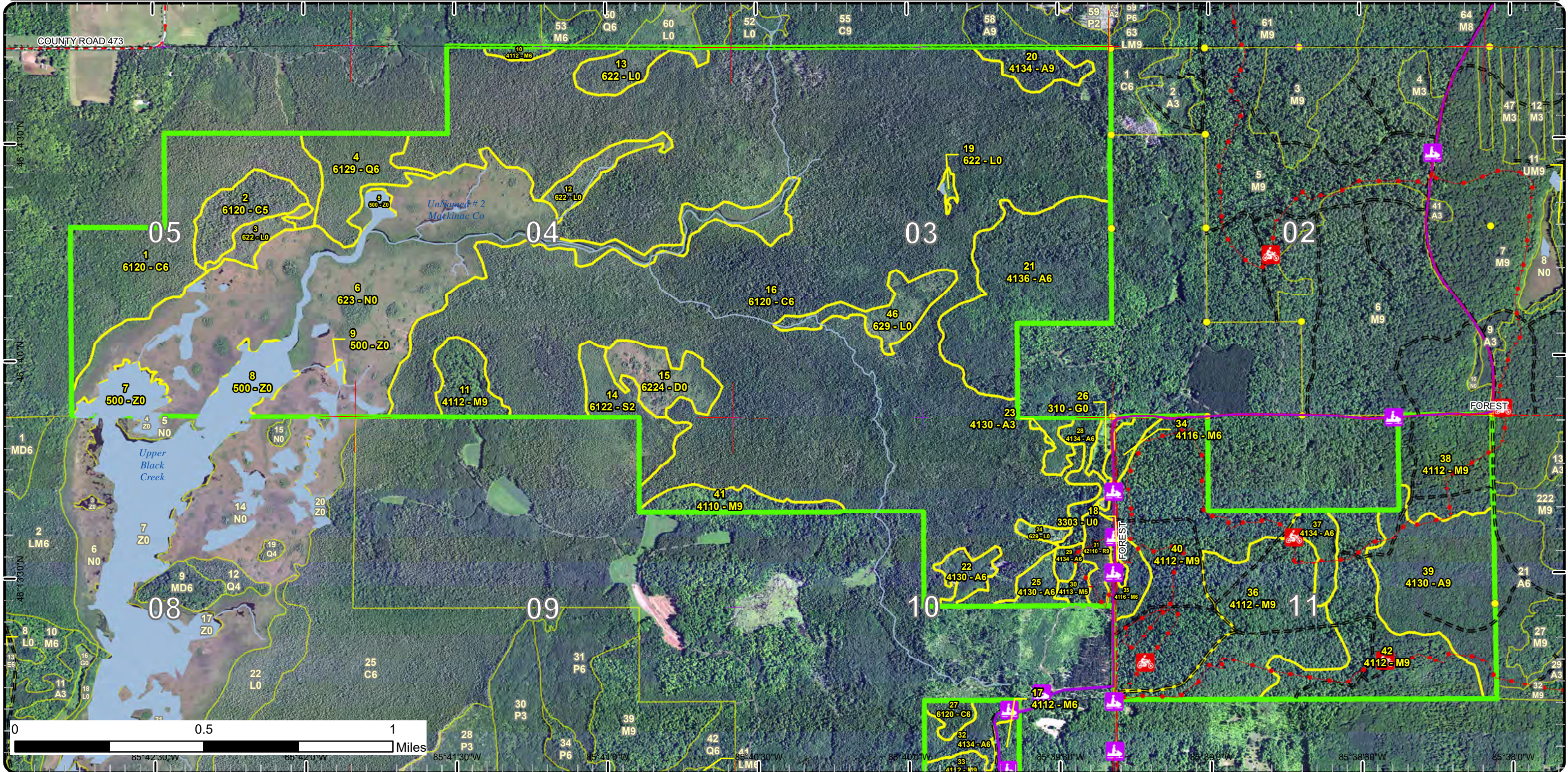


Stand Boundary Map

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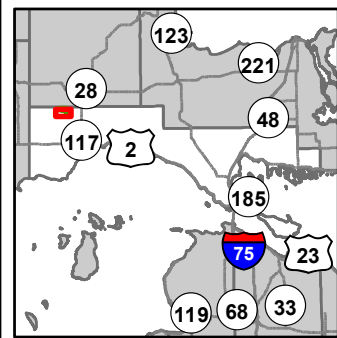


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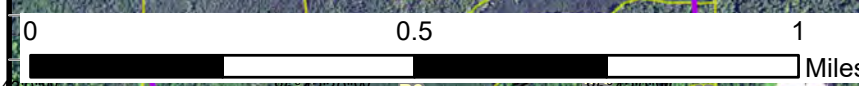
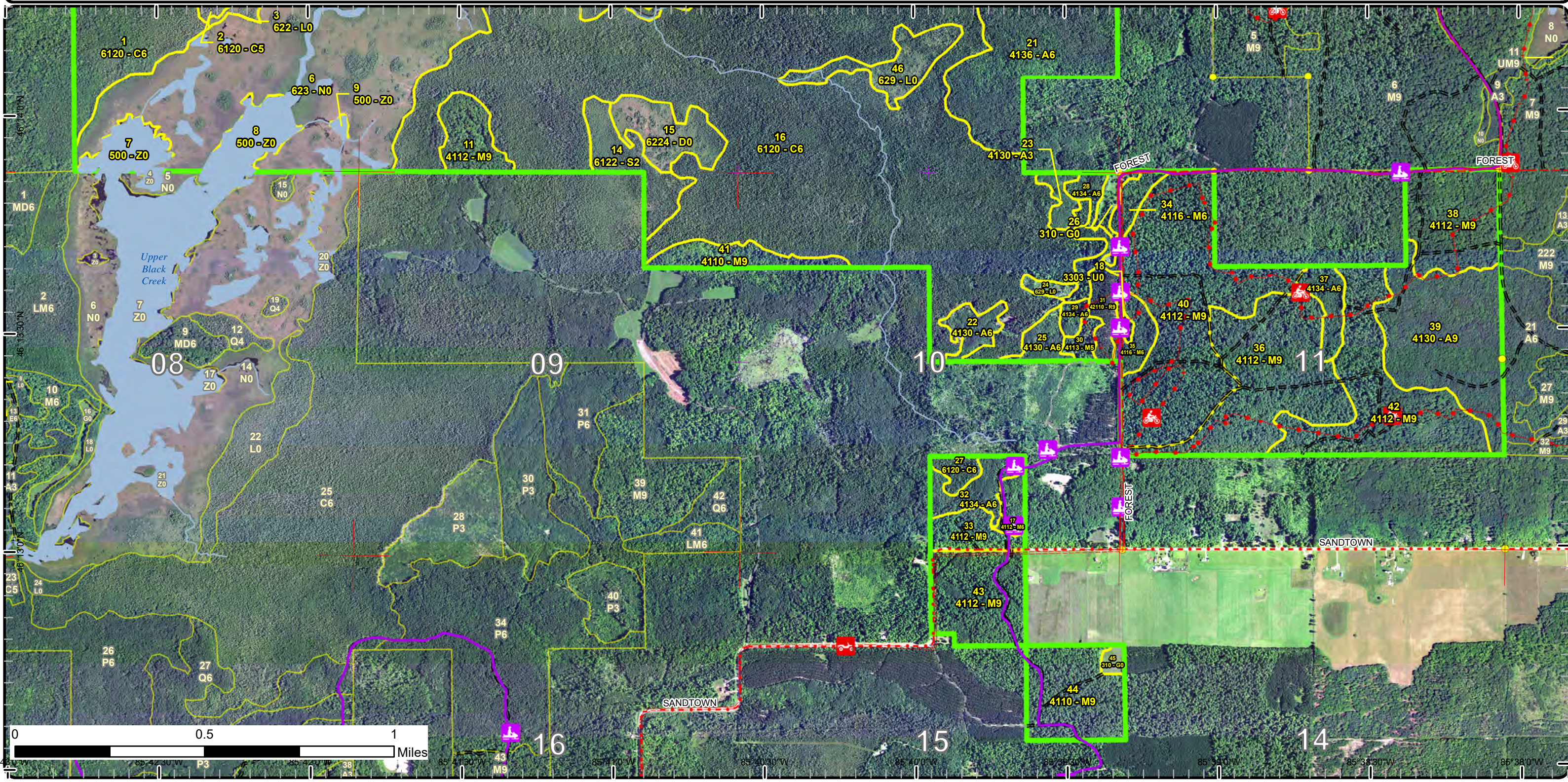


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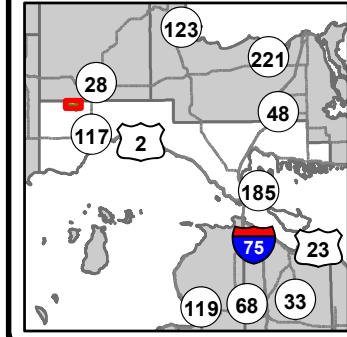


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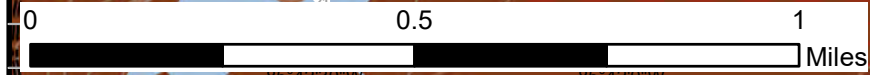
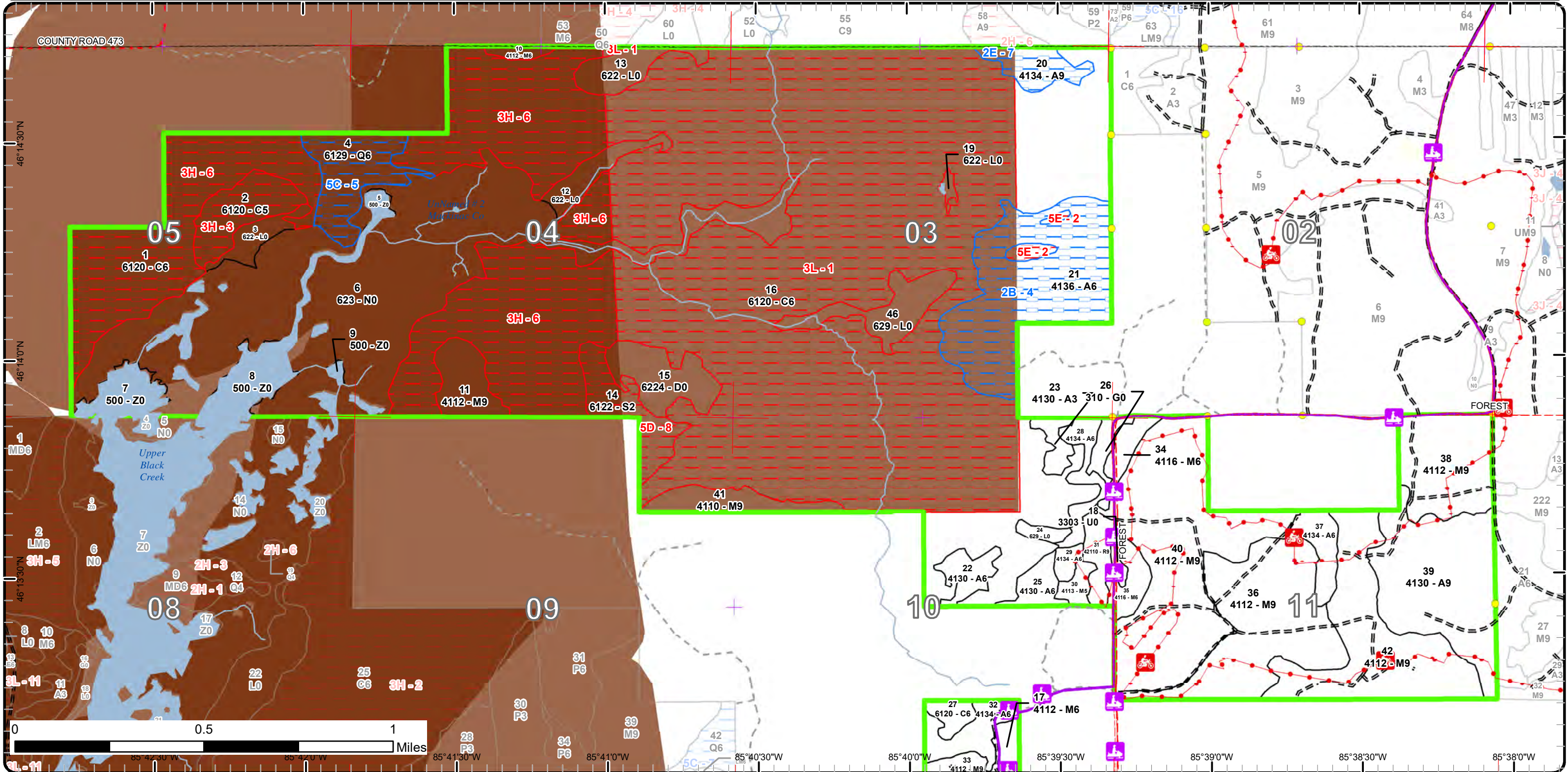


Special Conservation Areas

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- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Wildlife Management Areas

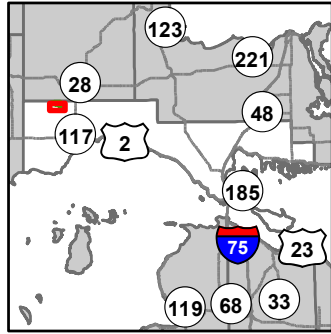


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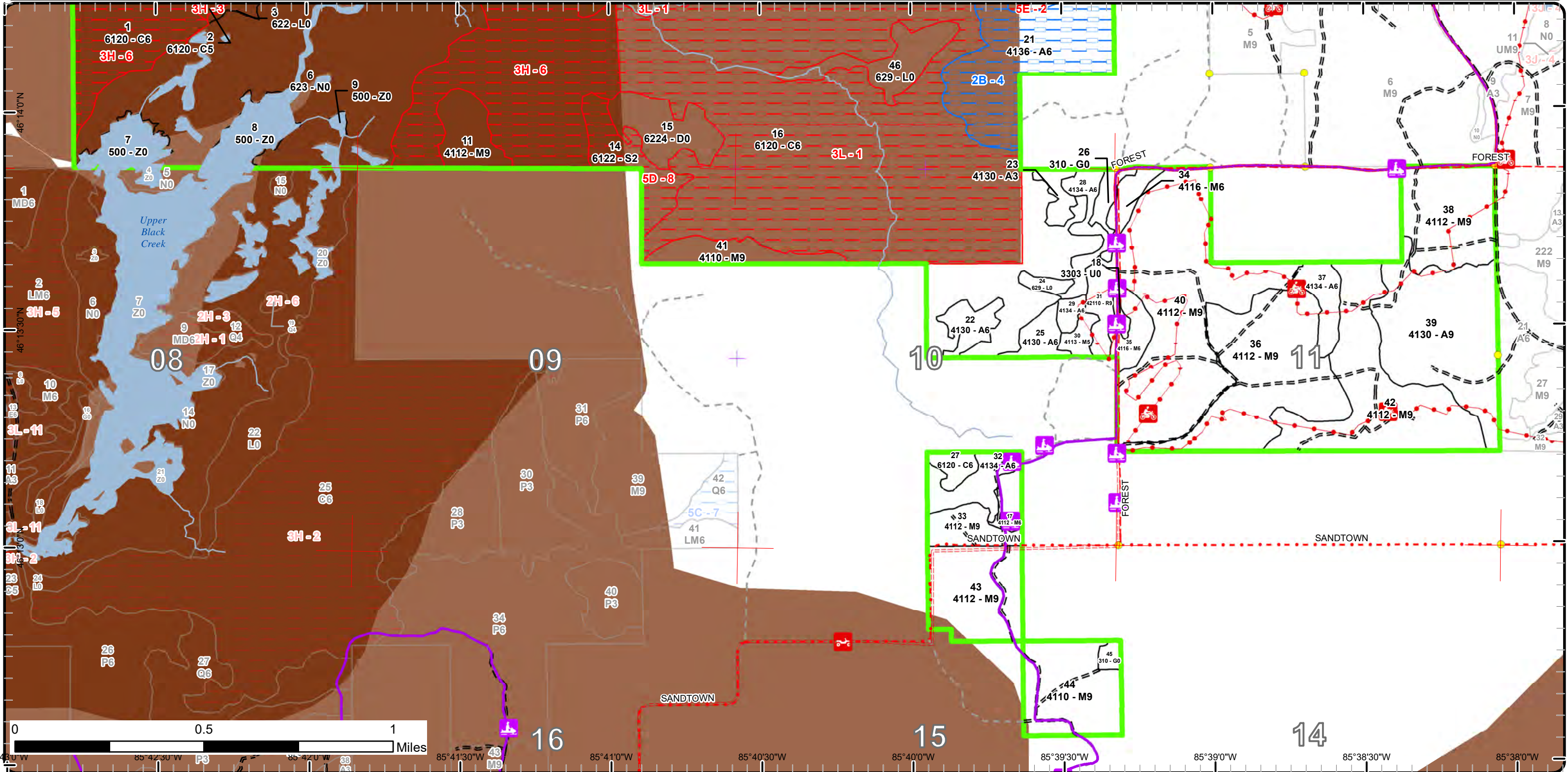
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	0	0	24	40	165	0	14	0	0	0	0	0	0	0	0	0	0	243
Cedar	0	0	0	0	0	0	0	0	0	0	23	98	0	1014	0	0	0	0	1135
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Lowland Shrub	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	23
Marsh	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	277
Northern Hardwood	0	0	0	0	25	0	0	3	13	83	294	41	0	0	0	0	0	0	459
Red Pine	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Treed Bog	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Total	405	0	0	24	65	165	0	27	36	115	317	139	0	1014	0	0	0	0	2306



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 182
Total Compartment Acres: 2,305

Commercial Harvest - 297
Harvests with Site Condition - 103
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	159	0	0	0	0	0	0	0	0	159
Northern Hardwood	0	231	0	0	0	0	0	0	0	231
Red Pine	0	0	0	0	0	10	0	0	0	10
Total	159	231	0	0	0	10	0	0	0	399

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	399	0	3	29	0	0	358	0	0	789
Next Step	0	3	0	0	0	310	424	3	0	740
Total	399	3	3	29	0	310	782	3	0	1528



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:

11	45182011-Cut	17.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80-90 BA focusing on larger diameter, over mature trees. Leave all healthy/resistant beech. Leave some trees over 26" DBH. Remove all aspen and merchantable fir. Winter harvest for deer yard considerations. Leave tops uncrushed and in piles. Open up canopy near these piles. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
20	45182020-Cut	13.6	4134 - Aspen, Spruce/Fir	Sawtimber Well	69	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all deciduous trees over 2" DBH and conifers over 4" DBH. Retain any pockets of immature stems. Also retain any white pine over 20" DBH. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, maple, birch, pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut this stand with adjacent stand 58 in Newberry compartment 107 because of access.</p> <p><u>Comment:</u> Harvesting of this treatment is contingent on stand 42107058 in the Newberry unit being cut because of acreage and access. Wildlife in the Newberry unit has approved access through 42107055.</p> <p><u>Site Condition</u> Road Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
21	45182021-Cut	89.2	4136 - Aspen, Mixed Conifer	Poetimber Well	48	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees over 4 inch DBH. Leave any hemlock. Retention will be placed in multiple patches focusing on non merchantable stems and conifers. Size, quantity, and location of patches can vary from what is drawn. Create 5 or more brush piles, at least 50 ft long and at least 6 ft high perpendicular to the stand edge (or sale boundary) and ideally going into the adjacent stand. Use tree boles, slash, cull pieces and unmerchantable forest products rather than just tops to create a longer lasting brush pile. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, maple, birch, cedar , hemlock.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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31	45182031-Cut	9.6	42110 - Planted Red Pine	Sawtimber Well	69	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to 120 targeting poor form and larger trees most likely to be out of mill size class before future final harvest.

Specs:

Next Step

Treatments:

Acceptable N/A

Regen:

Other Do not mark large white pine legacy tree during prep and add sale condition to protect it in proposal.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

33	45182033-Cut	1.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	77	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to an average of 70-80 BA focusing on larger diameter trees. Leave healthy beech. Designate all merchantable fir to be cut to promote hardwood regeneration. Leave trees over 26"DBH. Treatment size may vary.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Northern Hardwood spp.

Regen:

Other This portion of this stand was not cut during last thinning. Paint marks still remain. Use alternate color during sale prep.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

36	45182036-Monitor	76.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Monitor for acceptable regeneration.

Specs:

Next Step

Treatments:

Acceptable Northern hardwood associated species.

Regen:

Other Regeneration not at acceptable levels during 2025 YOE inventory.

Comment:

Site Condition

Proposed Start Date: 10/1 /2032



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
38 45182038-Cut	41.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	104	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to an average of 70-80 BA. Focus on overmature, larger diameter stems, especially large red maple. Leave healthy beech and</p> <p><u>Specs:</u> maintain a component of yellow birch and healthy cherry throughout stand. Leave some trees over 26" DBH. Remove all merchantable fir. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration or in newly created canopy gaps.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated spp.</p> <p><u>Regen:</u></p> <p><u>Other</u> Motorcycle trail runs through middle of stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
39 45182039-Cut	55.7	4130 - Aspen	Sawtimber Well	43	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all deciduous trees over 2" DBH and all conifers over 4" DBH. Place 3-10% retention in pockets focusing on immature stems and</p> <p><u>Specs:</u> conifer patches. Create 5 or more drumming logs by cutting a tree 8-15" DBH by 8-10 feet long and leave it fell immediately adjacent to its stump, which should be at least 3 feet tall. OR- create drumming logs by using unmerchantable woody material 8-10 feet long or greater, and 8-15" DBH, placed flat on the ground next to a cut stump at least 3 feet tall. Retention can be internal or within the boundary. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, spruce, fir, birch, cherry.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
40 45182040-Cut	59.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to an average of 70-80 BA. Focus on over mature, larger diameter stems, especially large red maple. Leave healthy beech and</p> <p><u>Specs:</u> maintain a component of yellow birch and cherry throughout stand. Leave any hemlock. Leave some trees over 26" DBH. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration or in newly created canopy gaps. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Motorcycle trail runs through middle of stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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41	45182041-Cut	15.9	4110 - Sugar Maple Association	Sawtimber Well	91	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 70-80 BA focusing on poor form and larger diameter, over mature trees. Create canopy gaps around areas of well established advanced regeneration. Leave all healthy/resistant beech. Remove all aspen and merchantable fir. Treatment size may vary.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Northern hardwood associated species.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

42	45182042-Cut	21.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 70-80 BA focusing on larger diameter, over mature stems. Leave any healthy beech. Leave some trees over 26" DBH.
Specs: Remove all merchantable fir. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration or in newly created canopy gaps. Treatment size may vary.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Northern hardwood associated spp.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

43	45182043-Cut	35.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	87	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 70-80 BA/acre. Focus on over mature, large diameter trees, especially large red maple. Leave healthy representative beech and yellow birch where appropriate. Leave any hemlock. Leave some healthy cherry. Leave some trees over 26" DBH. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration or in newly created canopy gaps. Designate all aspen to be cut, but leave 1 per acre where appropriate. Treatment size may vary.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Northern hardwood associated species
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
44 45182044-Cut	39.1	4110 - Sugar Maple Association	Sawtimber Well	87	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 70-80 BA/acre. Focus on over mature, large diameter trees. Leave healthy representative beech and yellow birch where appropriate. Leave some healthy cherry. Leave any hemlock. Leave some trees over 26" DBH. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration or in newly created canopy gaps. Designate all aspen to be cut, but leave 1 per acre where appropriate</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
45 45182045-Plant	2.7	310 - Herbaceous Openland	Nonstocked		Immature	Planting	Initial Plant	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> Plant red oak and red pine/white pine. 2 rows oak, 1 row pine, repeating sequence.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Planted oak and red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

5 45182005-Monitor	2.8	500 - Water	Nonstocked			Monitoring	Invasive Species	500 - Water		No
<p><u>Prescription</u> monitor for invasive plants and follow up with treatment if necessary.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Hand Application</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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6	45182006-Monitor	277.3	623 - Emergent Wetland	Nonstocked			Monitoring	Invasive Species	623 - Emergent Wetland	No
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Prescription Monitor for invasive plants. Follow up with herbicide or mechanical methods of treatment if needed.

Specs:

Next Step Pesticide, Hand Application

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

7	45182007-Seed	13.7	500 - Water	Nonstocked			Seeding	Hand Seed	500 - Water	No
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Prescription hand plant wild rice via canoe, kayak small watercraft or waders where suitable.

Specs:

Next Step Monitoring, Invasive Species

Treatments: ; Pesticide, Hand Application

Acceptable Wild rice

Regen:

Other To provide additional cover and food resources for wildlife.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

8	45182008-Seed	15.2	500 - Water	Nonstocked			Seeding	Hand Seed	500 - Water	No
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Prescription Hand plant wild rice via canoe, kayak, small watercraft or waders.

Specs:

Next Step Monitoring, Invasive Species

Treatments: ; Pesticide, Hand Application

Acceptable Wild rice

Regen:

Other To provide additional wildlife cover and food resources.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

9	45182009-Monitor	1.0	500 - Water	Nonstocked	Unspecified		Monitoring	Invasive Species	500 - Water	No
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Prescription Monitor for invasive species, follow up with treatment if needed.

Specs:

Next Step Pesticide, Hand Application

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment Acreage Proposed: 788.9

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 182

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
242	135	103	4
1135	118	0	1017
9	9	0	0
2	2	0	0
31	0	31	0
61	61	0	0
23	0	0	23
277	277	0	0
460	460	0	0
10	10	0	0
23	23	0	0
33	33	0	0
2,305	1,128	134	1,043
	49%	6%	45%

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions							
						2B	2E	5C	3H	3L	5D	5E	
242	135	103	4		Aspen	89	14						4
1135	118	0	1017		Cedar				335	682			
9	9	0	0		Herbaceous Openland								
2	2	0	0		Low-Density Trees								
31	0	31	0		Lowland Conifers			31					
61	61	0	0		Lowland Shrub								
23	0	0	23		Lowland Spruce/Fir						23		
277	277	0	0		Marsh								
460	460	0	0		Northern Hardwood					0			
10	10	0	0		Red Pine								
23	23	0	0		Treed Bog								
33	33	0	0		Water								
2,305	1,128	134	1,043		Total Forested Acres	89	14	31	335	682	23		4
	49%	6%	45%		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	3L: Other wildlife concerns	682	Unspecified	Unspecified	Unspecified	Unspecified
Comments: See Black Creek Flooding Plan							
2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 182

Year of Entry: 2025

3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	23	2B: Unknown if access through adjacent landowner(s) is possible	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified
Comments: Stand is a riparian area on the north end of Black Creek Flooding.							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	89	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	311	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	2E: Road needed	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5D: Unproductive Forest Land	23	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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
1	6120 - Lowland Cedar	Poletimber Well	97.6	107	141-170	N/A	2015 YOE: Poor quality, extremely wet cedar. Some areas are fairly sparse. Stand borders the Black Creek Wildlife Flooding. 2025 YOE: Same as last entry. Very dense in spots. Very wet. Dense tag alder in sparse areas. Pockets of black spruce and tamarack scattered throughout stand. Some black ash in wettest areas.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Ash</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>65</td> <td>Pole/Sapling</td> <td>7</td> <td>107</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Ash	5	Pole/Sapling	5		Black Spruce	20	Pole	7		Northern White Cedar	65	Pole/Sapling	7	107	Balsam Fir	5	Pole	7		Paper Birch	5	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling	Paper Birch	Low	Variable	Sapling	Tag Alder	Medium	Variable	Tall Shrub														
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2	6120 - Lowland Cedar	Poletimber Medium	23.2	95	51-80	N/A	2015 YOE: Poor quality spruce stand. Mix of Black and white spruce plus cedar. Slightly higher ground than surrounding cedar but still lowland. 2025 YOE: Same as last entry. Mixed swamp conifer stand. Very stunted stand. Very wet. Patchy and variable.																																																									
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3	622 - Lowland Shrub	Nonstocked	9.0		Immature	No																																																										
4	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	31.5	83	111-140	N/A	2015 YOE: Smaller, sapling size trees. 2025 YOE: Variable, mixed swamp conifer stand with a deciduous component. Maple, birch presence in northern part of stand; slightly better drained. Stand gets wetter and more sparse as you get farther south.																																																									
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5	500 - Water	Nonstocked	2.8			No																																																										
6	623 - Emergent Wetland	Nonstocked	277.3			No																																																										
7	500 - Water	Nonstocked	13.7			No	Black Creek Flooding																																																									
8	500 - Water	Nonstocked	15.2			No	Black Creek Flooding																																																									
9	500 - Water	Nonstocked	1.0		Unspecified	No																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.3	63	51-80	N/A	2015 YOE: Using Don Kuhr's data from the compartment to the north. 2025 YOE: Mixed pole size northern hardwood stand. Poorer quality trees and small diameters. Transition area from hardwood to cedar. The property line is a slight ridge. This stand is below that ridge and is a little more poorly drained than the private side. Heavy deer browse.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Pole	8	
Basswood	5	Pole	9	
Sugar Maple	65	Pole	8	63
White Ash	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Beech	Low	Variable	Sapling
Maple (spp.)	Medium	Variable	Sapling

11	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.6	98	81-110	N/A	2015 YOE: Stand was thinned previous enrtry (2006). Heavy deer browse. YOE 2025: Thinned in 2006 as part of the GRooters Access timber sale, 131-05-02. Mix of red and sugar maple. Moderate quality. Mostly upland with some lowland patches mixed in throughout the stand containing aspen, bam and elm. Average BA of about 105. Some patches of higher BA present. Excellent advanced regen throughout. Heavy browse on smaller seedlings.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	3	Log	12	
Basswood	5	Log	11	
Red Maple	50	Log	14	98
Sugar Maple	35	Log	11	
Balsam Poplar	5	Log/Pole	10	
Beech	2	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling
White Ash	Low	Variable	Sapling
Sugar Maple	Medium	Variable	Sapling

12	622 - Lowland Shrub	Nonstocked	11.8		Unspecified	No	
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13	622 - Lowland Shrub	Nonstocked	14.2		Unspecified	No	
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14	6122 - Black Spruce	Sapling Medium	22.5	77	1-50	N/A	Small black spruce. 2025 YOE: Small, stunted black spruce and tamarack. Variable densities and patchy throughout most of stand. Very wet.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	25	Sapling/Pole	3	
Black Spruce	75	Sapling/Pole	3	77

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling
Black Spruce	Low	5 - 10 feet	Sapling

15	6224 - Treed Bog	Nonstocked	23.2			No	2025 YOE: Open bog with patches of black spruce, cedar, and tamarack. Small and stunted. Very wet.
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16	6120 - Lowland Cedar	Poletimber Well	1,008.2	122	141-170	N/A	2015 YOE: Very large cedar stand. Went into it from several different spots. Some variations in the imagery but it is all part of the same complex. Heavy deer use. 2025 YOE: Very large, variable cedar stand. Size, density and composition variable throughout stand. Very wet throughout most of stand. Some areas of mixed cedar/aspen in SE part of stand. Look at next entry with adjacent aspen stands.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
Red Maple	5	Pole/Log	9	
White Spruce	2	Pole	7	
Tamarack	2	Pole	6	
Northern White Cedar	80	Pole	8	122
Black Spruce	6	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Tag Alder	Medium	Variable	Tall Shrub
Northern White Cedar	Medium	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.6	31	51-80	N/A	Small pole sized hardwood stand. Mostly sugar maple. Other northern hardwood associated species present. Some aspen, spruce and fir present and is larger than the hardwood species. Some larger hardwood stems scattered across stand. Formerly part of stand 32.																																																					
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18	3303 - Mixed Low Density Trees	Nonstocked	2.3	0	Unspecified	No	2025 YOE: Grassy opening with scattered pine, spruce, fir and cherry.
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19	622 - Lowland Shrub	Nonstocked	1.6		Unspecified	No	
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20	4134 - Aspen, Spruce/Fir	Sawtimber Well	13.6	69	111-140	N/A	2015 YOE-Aspen ridge, Dying. Inventory data taken from the compartment to the north. Data collected by Don Kuhr. Stand will be set up when Newberry does the work in comp 42107. 2025 YOE- Mixed aspen stand. Mix of upland and lowland. Finger ridge running through middle of stand. More lowland conifer and birch mixed with aspen below ridge on each side. Aspen is overmature and starting to die and fall over. Frequent fir blowdown present. Treat this entry with adjacent stand in Newberry unit. Access will be limiting factor, but old road to stand does exist. Beavers have flooded the eastern part of the road in adjacent A3 stand (stand 2).																																																										
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21	4136 - Aspen, Mixed Conifer	Poletimber Well	93.1	48	111-140	N/A	2015 YOE: Stand has just transitioned from a sapling to pole stand. Still lots of sapling size stuff in the stand. 2025 YOE: Very nice aspen stand. Variable sizes throughout stand, but mostly large pole and small saw present. Middle of stand has more hardwood mixed in. Rolling terrain. Lower ground on edges of stand. Cedar mixed in to the north. Heavy deer browse. Final harvest this entry.																																															
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22	4130 - Aspen	Poletimber Well	9.1	21	51-80	N/A	2015 YOE: Aspen is doing great. Very little conifer. 2025 YOE: Fully stocked, pole sized aspen stand. Road through cedar to stand is filling in nicely with aspen, birch and fir.																																											
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23	4130 - Aspen	Sapling Well	6.2	21	Immature	N/A	2015 YOE: Aspen is doing great. Not a lot of conifer. 2025 YOE: Aspen still doing very well. Many stems are at or approaching merchantable size classes. Still very little conifer presence. Should be ready for final harvest two entries from now.																																											
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24	629 - Mixed non-forested wetland	Nonstocked	3.2			No																																												
25	4130 - Aspen	Poletimber Well	8.3	21	51-80	N/A	2015 YOE: Aspen regen is doing great. Cut in 2001 2025 YOE: Fully stocked, small pole sized aspen stand. Some cherry mixed in.																																											
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26	310 - Herbaceous Openland	Nonstocked	6.0		Unspecified	No	2025 YOE: Grass opening with scattered open grown cherry, spruce and fir. Small clumps of denser, more mature spruce/fir in southern part of stand. Small aspen clone also present.																																											
27	6120 - Lowland Cedar	Poletimber Well	5.8	126	171-200	N/A	2015 YOE: Small pocket of cedar. Not alot of deer sign in this small stand. Private land to the north was clear cut a few years ago. Will have to watch that to see if cedar regenerates. 2025 YOE: Dense cedar stand mixed with hemlock, white pine, fir and spruce. Patches of blowdown present throughout stand. Very little regen and is browsed.																																											
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28	4134 - Aspen, Spruce/Fir	Poletimber Well	10.9	38	51-80	N/A	<p>2015 YOE: This stand was an upland brush stand and a grassy opening in the previous inventory. It now has enough trees to be forested. It has a little bit of everything in it.</p> <p>2025 YOE: Nice aspen/spruce/fir stand. Mostly small pole/large sapling size. Most of stand is transition area from high to low ground. Variable in spots containing some low ground with cedar mixed in. Also a couple patches with hardwoods mixed in. Check next entry.</p>																																																
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29	4134 - Aspen, Spruce/Fir	Poletimber Well	3.5	37	1-50	N/A	<p>2015 YOE: Stand has filled in nicely since last inventory. It will be a pole stand by the next inventory cycle.</p> <p>2025 YOE: Becoming a nice aspen stand. NW part of stand is mostly red maple, spruce/fir and smaller diameters. New regen is heavily browsed.</p>																																																
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30	4113 - R.Maple, Conifer	Poletimber Medium	4.7	82	51-80	N/A	<p>Stand was thinned in 2016. Red maple, spruce/fir mix. Stand was thinned to 60-80 on average. Pockets of higher BA where conifer is present. Good regen where gaps are present. Little to no regen in conifer patches. Shelterwood harvest next entry if conifer component is mature enough to achieve desired regeneration levels. Heavy deer browse.</p>																																																
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31	42110 - Planted Red Pine	Sawtimber Well	9.6	69	171-200	N/A	<p>2015 YOE: Nice red pine. Look at thinning or a clearcut in ten years. One big lone white pine in the stand. Awesome legacy tree.</p> <p>2025 YOE: Thinned as part of the Fido Pine timber sale, 130-05-01. Excellent quality red pine. Larger stems on western edge. Also more competition in understory. Thin this entry.</p>																																																
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32	4134 - Aspen, Spruce/Fir	Poletimber Well	14.4	38	81-110	N/A	2015 YOE: This an upland Mackinac Mix stand. The east side has more deciduous while the west has a greater conifer component. Some mature hemlock in the overstory. Check next entry. 2025 YOE: Mixed aspen stand. Small poletimber mostly except for patch on east side which contains larger stems. Higher ground in this area. Heavy conifer component mixed in. Patches of larger hemlock scattered throughout stand.																																																										
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33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.2	77	51-80	N/A	2015 YOE: Stand was thinned, completed in 2019. Sale #45-119-15. Sandtown Firewood. 2025 YOE: Far west side of stand was not harvested in 2019. Medium stocked, good quality maple. Nice mix of logs and poles. Good amount of advanced regen. Heavy to beech, but maple is abundant. Maple seedlings coming in nicely. YOE 2025: Decent quality northern hardwood stand. Average BA of 80. Less dense in spots throughout stand. Western edge of stand has much higher BA and heavier conifer component. Trees still marked from previous thinning. Good advanced regen in most spots. Abundant small maple seedlings throughout. 3-5 ft seedlings are heavily browsed. Dense pockets of beech regen scattered throughout stand.																																																										
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34	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	8.5	30	51-80	N/A	2025 YOE: Mixed hardwood/aspen stand. Mostly small pole and large sapling. Some larger stems present. Formerly part of stand 45182028.																																																										
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35	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	9.7	38	51-80	N/A	2015 YOE: This stand is similar to the one to the north. Previous inventory it was an upland brush stand. It now has enough trees to be forested. It is a mix of everything. 2025 YOE: Dense large sapling/small pole stand. Mix of maple, cherry and fir. Some larger white pine and spruce scattered throughout stand. 2 acre patch of pole sized aspen in southern part of stand.																																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76.8	98	51-80	N/A	2015 YOE: This is a large maple stand. Last entry over half of the stand was thinned. The central portion was thinned 17 years ago and is ready to be thinned again. Not alot of beech in the stand. There is a small patch of conifer in the south east corner of the stand. Heavy deer browse in most of the regen. 10/24/18 AK This stand was thinned down to 80-90 ba in the summer of 2018 in timber sale 45-109-15. 2025 YOE: Thinned in 2018 as part of the Troyerville Hardwoods timber sale, 45-109-15. Nice maple stand with many quality stems. Average BA of about 75 after previous thinning. Higher BA around conifer patches. Low density of maple advanced regen. Small maple seedlings fairly abundant throughout stand. Most advanced regen consists of patches of beech and ash. Some cherry and fir scattered throughout stand. Very abundant raspberry throughout stand. Heavy browse pressure hindering regen. Keep monitoring treatment on.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	2	Log	12		Black Cherry	Low	Variable	Sapling
White Pine	2	Log/XLog	16		White Ash	Medium	Variable	Sapling
Basswood	2	Log	12		Sugar Maple	Low	Variable	Sapling
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Red Maple	15	Log/Pole	11					
Yellow Birch	4	Log	12					

37	4134 - Aspen, Spruce/Fir	Poletimber Well	11.1	37	111-140	N/A	2015 YOE-Stand is just barely a pole stand. Lots of sapling size trees in the stand. 2025 YOE-Mixed aspen/hardwood stand with spruce/fir component. Larger, log size red maple stems present throughout stand. Aspen still too small. Hold until next entry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Pole	8	37	Maple (spp.)	Medium	Variable	Sapling
White Spruce	7	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	20	Log	12					
Black Cherry	3	Pole	8					
Sugar Maple	5	Log/Pole	11					
Balsam Fir	15	Pole	8					

38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	41.4	104	111-140	N/A	2015 YOE: This stand was thinned 5 years ago. Look at thinning in ten years. Most of the beech was taken in the sale. Lots of deer browse. 2025 YOE: Thinned in 2009 as part of the Two Minute Drill timber sale, 123-05-01. Nice mixed northern hardwood stand with many oversized stems. Average BA was 115 to 120. Small patch of fir in northern part of stand. Beech left from previous thinning appear in good shape. Good mixed advanced regen throughout stand. Heavy browse on 3-5 ft seedlings. Scattered patches of beech brush throughout stand. Thin this entry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	2	Log	14		Balsam Fir	Low	Variable	Sapling
Black Cherry	5	Log	12		Red Maple	Medium	Variable	Sapling
Red Maple	23	Log	15		Black Cherry	Low	Variable	Sapling
Basswood	3	Log/Pole	11		Sugar Maple	High	Variable	Sapling
Sugar Maple	65	Log	15	104	Beech	Medium	Variable	Sapling
Yellow Birch	2	Log	14					

39	4130 - Aspen	Sawtimber Well	72.0	43	111-140	N/A	2015 YOE-Stand has just transitioned from a sapling to pole stand. Still lots of sapling size stuff in the stand. 2025 YOE- Mature aspen stand with hard maple mixed in. Spruce/fir mixed in throughout stand. Size varies slightly throughout stand. Patch in NW part of stand was cut sooner than remainder of stand and has smaller diameters.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	6	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Sugar Maple	10	Log	12		Maple (spp.)	Medium	Variable	Sapling
White Spruce	5	Log/Pole	10					
Quaking Aspen	64	Log/Pole	10	43				
Red Maple	5	Log	12					
Balsam Fir	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
40	4112 - Maple, Beech, Cherry Association	Sawtimber Well	112.5	98	81-110	N/A	<p>2015 YOE: This is a large maple stand. Last entry over half of the stand was thinned. The central portion was thinned 17 years ago and is ready to be thinned again. Not alot of beech in the stand. There is a small patch of conifer in the south east corner of the stand. Heavy deer browse in most of the regen.</p> <p>2025YOE: Thinned in 2007 as part of the Blazing Hardwoods timber sale, 122-05-01. Nice mixed maple stand. Many large diameter stems present. Average BA of 100. Higher in spots, lower in others. Abundant advanced regen throughout stand. Mostly maple with beech mixed in. Some cherry. Good amount of small maple seedlings present. Heavy browse on large seedlings.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
White Pine	2	Log/XLog	16		Red Maple	Medium	Variable	Sapling
Sugar Maple	55	Log/Pole	12	98	Sugar Maple	High	Variable	Sapling
Yellow Birch	4	Log	12		Balsam Fir	Low	Variable	Sapling
Beech	5	Log	12		Beech	Medium	Variable	Sapling
Red Maple	30	Log	14					
Hemlock	2	Log	14					
Basswood	2	Log	12					
41	4110 - Sugar Maple Association	Sawtimber Well	15.9	91	81-110	N/A	<p>2015 YOE: Poorer quality sugar maple stand. Small dia's and low % of good boles. Thin heavy next entry.</p> <p>2025 YOE: Decent quality hard maple stand. Average BA of 90-100. Mostly large poles and small logs. Excellent regen throughout, but heavy browse present.</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Red Maple	5	Log/Pole	10		Sugar Maple	High	Variable	Sapling
Sugar Maple	95	Log/Pole	11	91	Beech	Low	Variable	Sapling
					Black Cherry	Low	Variable	Sapling
					Red Maple	Low	Variable	Sapling
42	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71.4	98	81-110	N/A	<p>2015 YOE-This is a large maple stand. Last entry over half of the stand was thinned. The central portion was thinned 17 years ago and is ready to be thinned again. Not a lot of beech in the stand. There is a small patch of conifer in the south east corner of the stand. Heavy deer browse in most of the regen.</p> <p>2025 YOE: Thinned in 2009 as part of the Two Minute Drill timber sale, 123-05-01. Originally part of stand 40. Mixed northern hardwood stand, but mostly hard maple. Patch of red maple, hemlock and fir in SE part of stand. Abundant mixed advanced regen present (maple, cherry, beech). Heavy browse throughout stand. Southern part of stand (~80-90 BA) was cut much heavier than northern part (~110-120).</p>	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Basswood	2	Log	12		Beech	Medium	Variable	Sapling
Sugar Maple	60	Log/Pole	12	98	Red Maple	Medium	Variable	Sapling
Hemlock	2	Log	14		Balsam Fir	Medium	Variable	Sapling
Beech	5	Log	12		Sugar Maple	Medium	Variable	Sapling
Red Maple	25	Log/Pole	12		Black Cherry	Medium	Variable	Sapling
White Pine	2	Log/XLog	16					
Yellow Birch	4	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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43 4112 - Maple, Beech, Cherry Association Sawtimber Well 38.9 87 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log	14	
Beech	5	Log/Pole	11	
White Pine	2	XLog	20	
Bigtooth Aspen	3	Pole	9	
Quaking Aspen	5	Pole/Sapling	5	
Sugar Maple	65	Log	12	87

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Beech	High	Variable	Sapling
Ironwood	Low	Variable	Sapling
Sugar Maple	High	10 - 20 feet	Sapling

2015 YOE: This stand was thinned in 2003. All of the remaining beech is dead or dying. Look at thinning in another ten yrs. The NW corner of the stand has a small patch of aspen regen, but it was not big enough to type out.

2025 YOE: Thinned in 2012 as part of the Sixth Sense Firewood timber sale, 106-11-01.

Mixed mature hardwood stand. East 2/3 of stand is nice hm with good advanced regen. Abundant maple seedlings. West side of stand transitions into more red maple and beech. Small clumps of large white pine present. Aspen dominated patches present in SW corner, NW corner and NE corner. Small pole and sapling size mostly except for NW corner which contains mature aspen. Thin this entry to release advanced regen and take out oversized maples. Regen check completed.

BA Spins:

- 90
- 110
- 120
- 90
- 120
- 80
- 90
- 80
- 90
- 100
- 80

44 4110 - Sugar Maple Association Sawtimber Well 39.1 87 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Beech	6	Log	12	
Sugar Maple	78	Log	12	87
Quaking Aspen	3	Pole	8	
Black Cherry	4	Log	11	
Basswood	4	Log	12	
Red Maple	5	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	Variable	Sapling
Sugar Maple	High	10 - 20 feet	Sapling
Basswood	Low	10 - 20 feet	Sapling
Beech	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling

2015 YOE: This stand was thinned in 2004. All of the remaining beech is dead or dying. Look at thinning in another 10yrs. There is a small patch of aspen in the SW corner.

2025 YOE: Thinned in 2012 as part of the Sixth Sense Firewood timber sale, 106-11-01.

Mature northern hardwood stand. Mostly hm, with beech, basswood and cherry mixed in. Some beech present. Excellent advanced regen present. Mix of hm, basswood and beech. Abundant hm seedlings throughout. Thin this entry to release advanced regen and take out over mature trees. Regen check complete.

BA Spins:

- 80
- 110
- 80
- 80
- 120
- 110
- 90
- 100
- 110
- 80
- 110
- 130



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	310 - Herbaceous Openland	Nonstocked	2.7		Immature	No	Fallow field.
46	629 - Mixed non-forested wetland	Nonstocked	21.0		Unspecified	No	