



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45188

Entry Year 2027

Acreage: 1,749

County: Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Nate Plato

Legal Description:

T43N-R12W Sections 25 - 28 & 34 & 35, Newton Township.

Identified Planning Goals:

Compartment 188 is located to the east of Milakokia Lake south of highway US-2. Age class diversity amongst the aspen stands in the compartment for wildlife and sustainable forestry is one of the main objectives for the compartment. Also, maintaining the public use areas like the State campground and the snowmobile trail are a high priority. This entry there will multiple hardwood thinnings, aspen final harvests and lowland type final harvests. These will create more age class diversity throughout the compartment. Previous harvests have been regenerating very well.

Soil and topography:

Many of the aspen types and some of the hardwood types are found on nearly level ground moraines, or on depressions in outwash plains and are either Menominee loamy sand or Spot Finch Complex. Lowland aspen types that are quite numerous in the compartment are on depressions in nearly level lake and outwash plains and are usually a Markey-Spot-Finch complex. The nicer hardwoods site are on undulating ground moraines and outwash plain and are a Heinz sandy loam. The large bog in the compartment is a Dawson and Loxley peat soils and is on a closed depression of a lake plain. The cedar types in the compartment are typically found on Markey and Carbondale mucks that sit on depressions in ground moraines and lake plains.

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

The compartment borders small private landowners to the north and to the west. Aurora Sustainable Lands (formerly owned by Great Lakes Rural NMTC Forestlands) has ownership to the northeast of the compartment and the rest of the compartment is adjacent to other state ownership to the south and east. There are numerous cabins along Milakokia Lake and abut to the compartment boundaries to the west.

Unique Natural Features:

The compartment has the potential for numerous rare and endangered fauna and flora.

Archeological, Historical, and Cultural Features:

Feature(s) present in western isolated parcel of compartment. 43N 12W Sec. 28

Special Management Designations or Considerations:

The compartment has the potential for numerous rare and endangered fauna and flora. The entire compartment is also within Deer Wintering Complex.

Watershed and Fisheries Considerations:

This compartment contains Tom's Creek and borders the Milakokia Lake shoreline. Tom's Creek is a non-designated stream less than 50-ft wide that has a predicted mean July water temperature of 60.8°F (cold stream). A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Tom's Creek to protect these resources in accordance with Best Management Practices. Milakokia Lake is a large 1,956-acre natural lake. A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect Milakokia Lake shoreland areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is in the St. Ignace Lake Plain Management Area where featured wildlife species include American marten, American woodcock, black bear, blackburnian warbler, black-throated blue warbler, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. The compartment is dominated by lowland types ranging from lowland shrub/scrub to cedar and other lowland conifers as well as lowland deciduous (primarily poplar). Aspen is common in upland areas. Some stands are relatively young as a result of previous treatments, and provide habitat for ruffed grouse, woodcock, deer, and snowshoe hare. Some northern hardwoods are present and treatments are planned to encourage diversity. The compartment is in deer wintering complex and harvests are expected to take place during the winter months to benefit wintering deer.

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 potential for economic production of metallic minerals in this area. The Bill Burton Quarry is just northeast of the compartment, which produces sand & gravel and crushed stone for cement. In addition, Carmeuse's Port Inland Quarry is just over one mile southwest, across Milakokia Lake. Extensive past exploration (test drilling) for high-purity dolomite was completed within the compartment and the area southeast. Potential does exist for future additional development of dolomite resources within the compartment, but it is unlikely in the near future. Carmeuse still has room to expand their existing Port Inland Quarry and many years of reserves remaining. Development of a new quarry and associated infrastructure would not be economical 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 Pike Lake Grade (gravel county road) and Warner Road (paved county road) provide hard surface access to the western portion of the compartment with a small network of poor dirt roads branching off. The power line also provides access to some areas of the compartment; permission is needed from private landowner if hauling to the west. The northeast portion of the compartment is accessed through many different small landowners off US-2; permission is required for use of the roads.

Survey Needs:

Multiple corners will be needed.

Recreational Facilities and Opportunities:

The compartment has the Milakokia Lake State Forest Campground on the east side of the lake. The campground is a maintained rustic campground with a boat launch and was updated to ADA standards along with other renovation. The eastern portion of the compartment has a snowmobile trail that is maintained and groomed. The compartment as a whole provides boating, fishing, hunting, trapping and hiking opportunities.

Fire Protection:

The central part of the compartment has limited equipment access due to the wet soil conditions. Thick organic soil will make fire fighting difficult and labor intensive.

Additional Compartment Information:

None.

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**



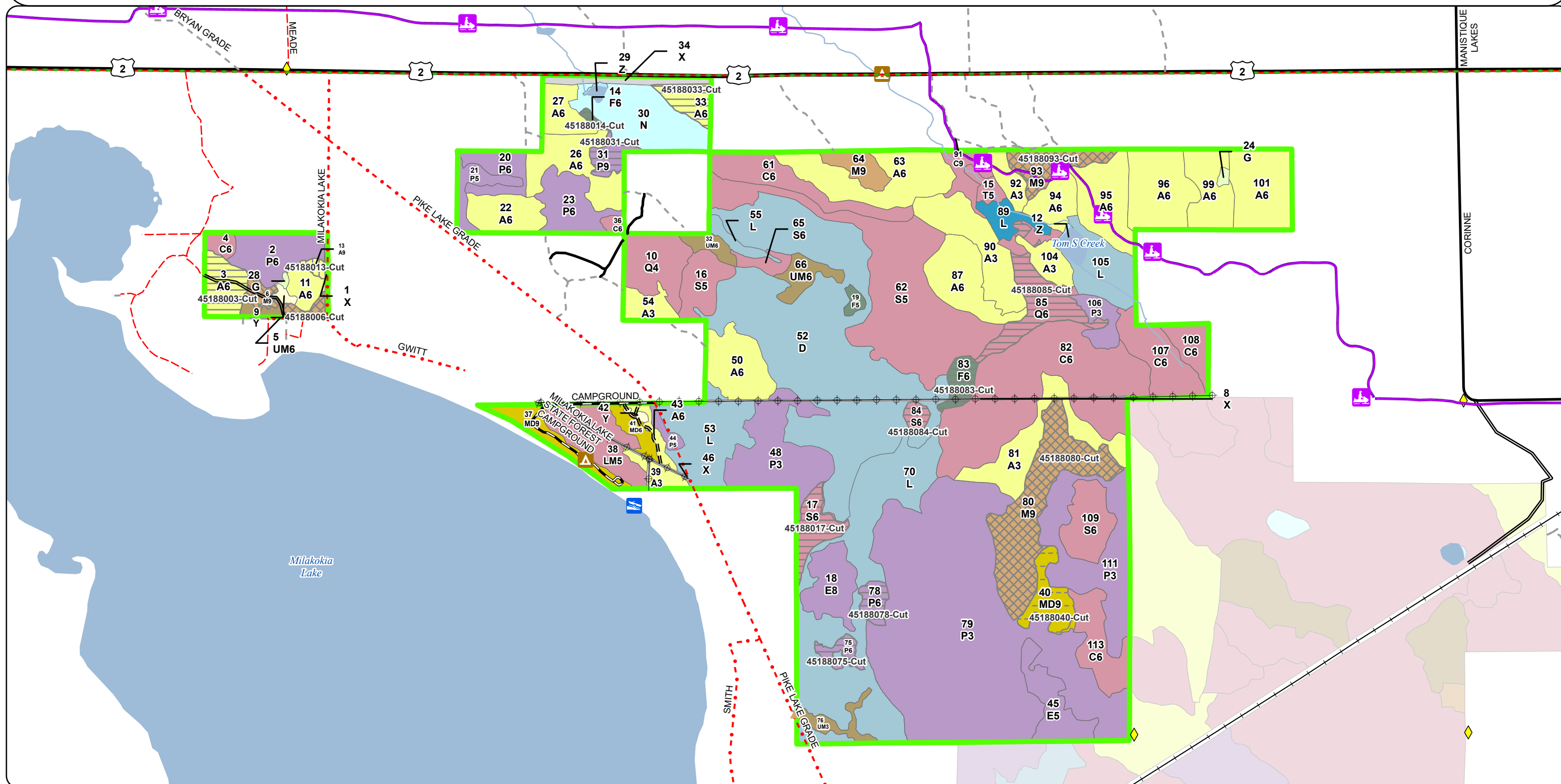
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-  Survey Grade Corners
-  Berms
-  Boating Access Site
-  Campground
-  Designated Bicycle Trails
-  Designated Snowmobile Trails
-  DNR - Primary Forest Road
-  DNR - Secondary Forest Road

- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- + Active Railroads
- Perennial River

-  Lakes and Rivers
-  Counties
-  Powerline
-  Compartment Boundary
-  Clearcut
-  Selection
-  Shelterwood
-  Overstory Removal

- | | |
|---------------------------------|----------------------------------|
| 411 - Northern Hardwood | 613 - Lowland Mixed Forest |
| 413 - Aspen | 110 - Low Intensity Urban |
| 419 - Mixed Upland Deciduous | 122 - Road/Parking Lot |
| 423 - Other Upland Conifers | 310 - Herbaceous Openland |
| 430 - Upland Mixed Forest | 622 - Lowland Shrub |
| 500 - Water | 623 - Emergent Wetland |
| 611 - Lowland Deciduous Forest | 629 - Mixed non-forested Wetland |
| 612 - Lowland Coniferous Forest | 710 - Sand, Soil |



Cover Type & Treatments Map

Compartment: 45188
T43N, R12W, Sec: 25-28, 34, 35
County: Mackinac
Unit: Sault Ste. Marie
Mgmt. Area: St. Ignace Lake Plain
YOE: 2027
Acres: 1,749 GIS Calculated
Examiner: Nate Plato
Date Exported: 7/18/2025
Map Phase: Web Post



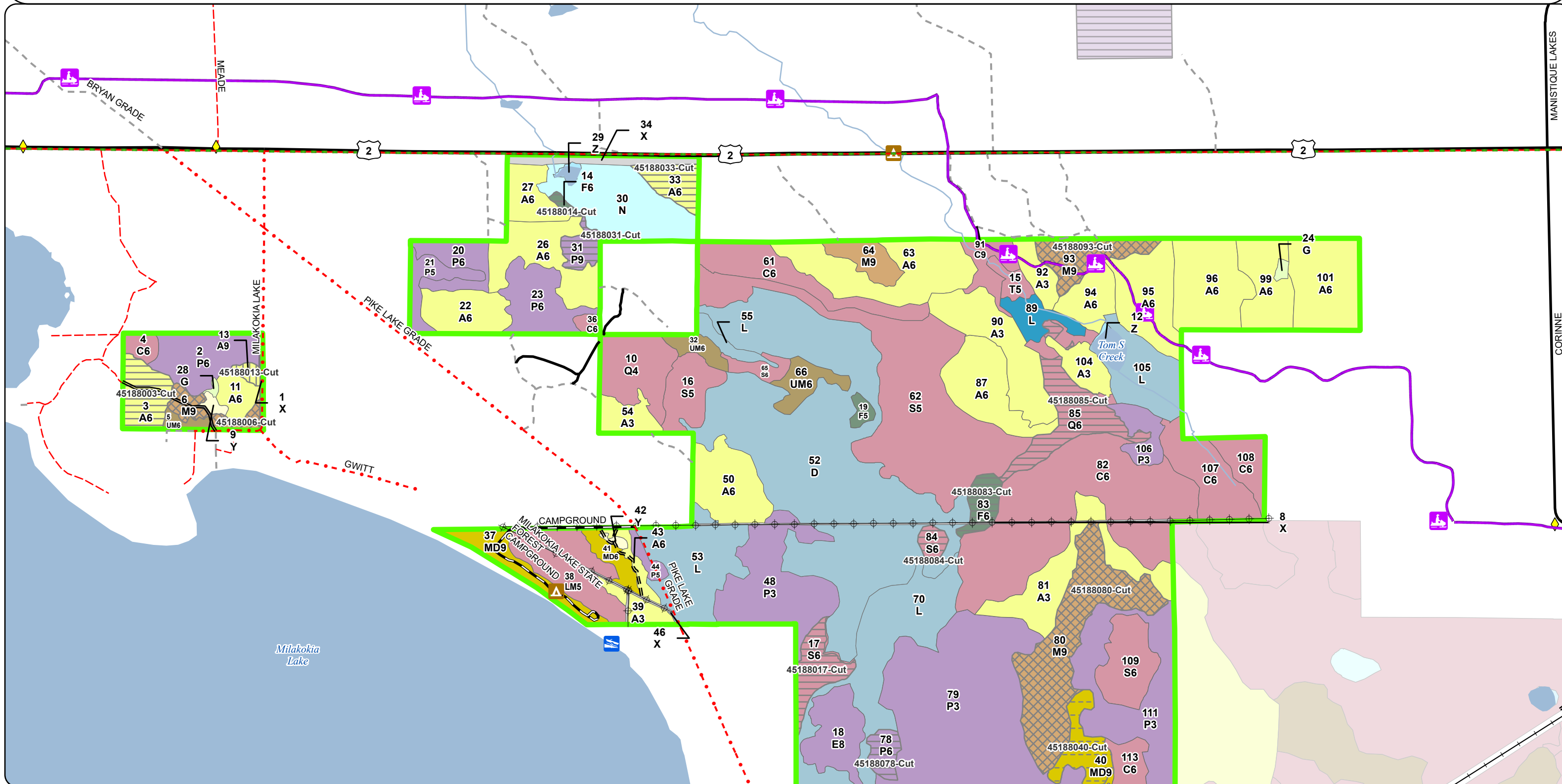
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Miles

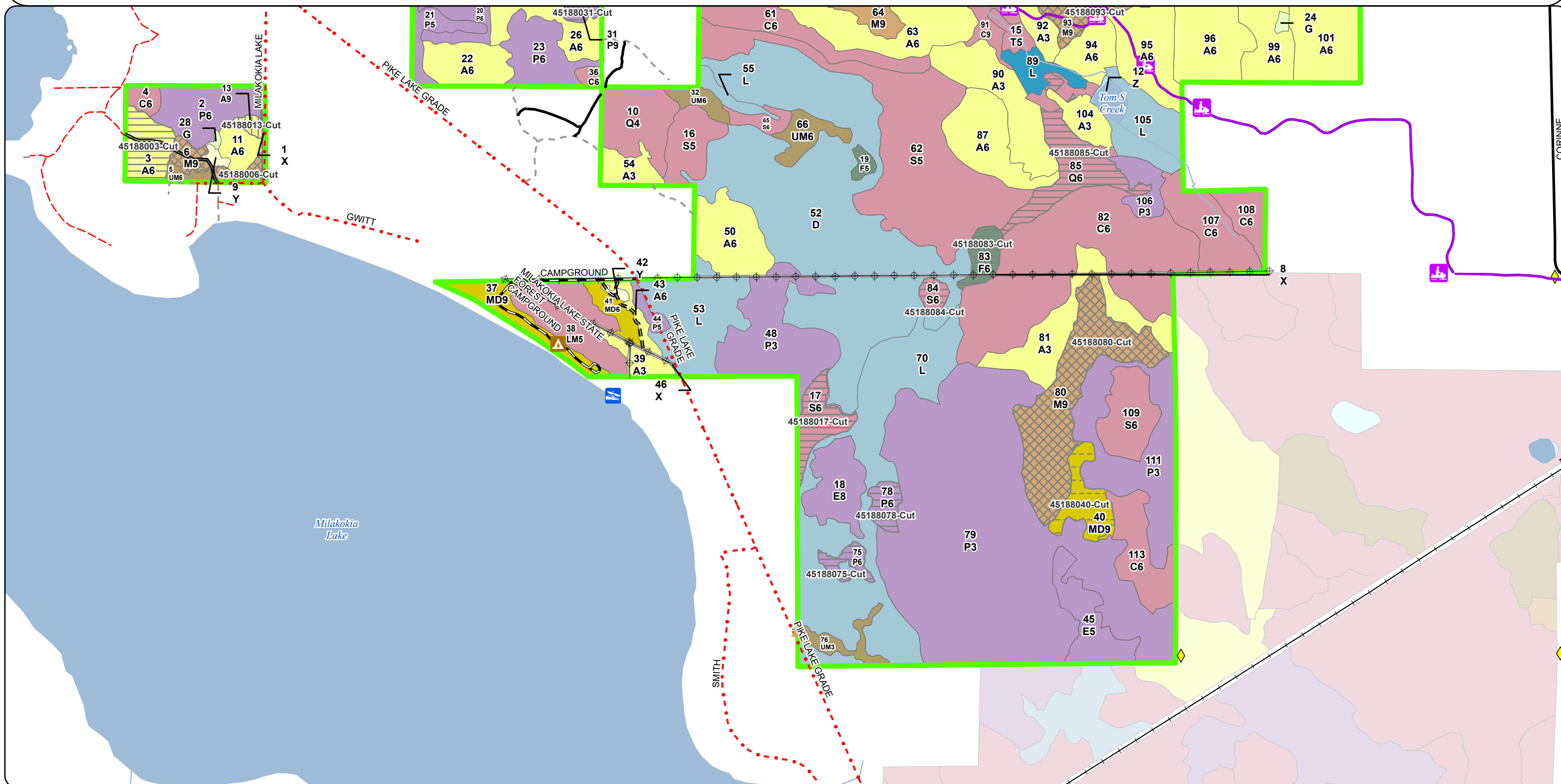
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Stand Boundary Map

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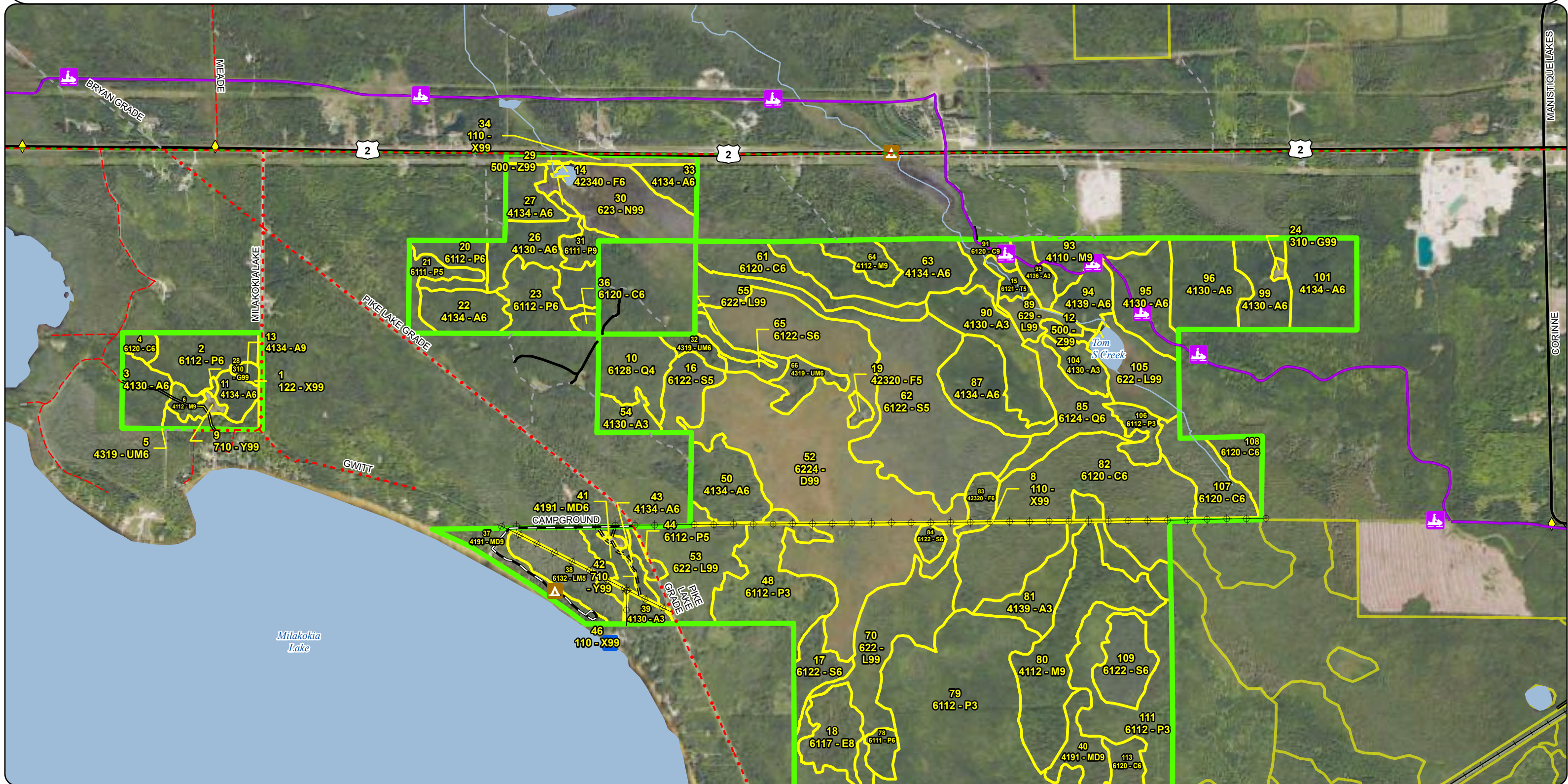
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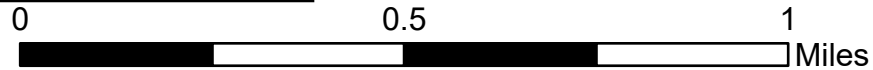
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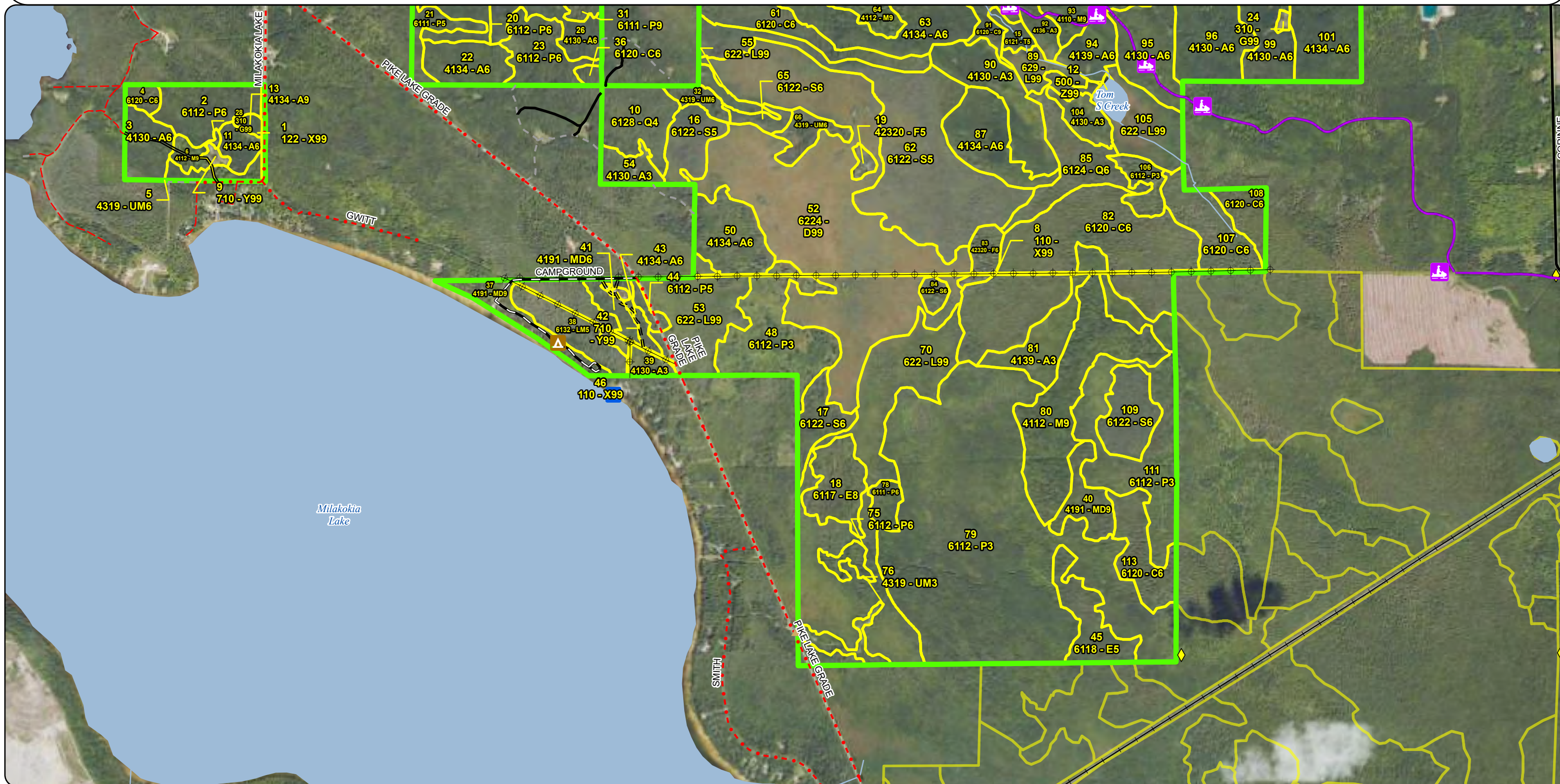


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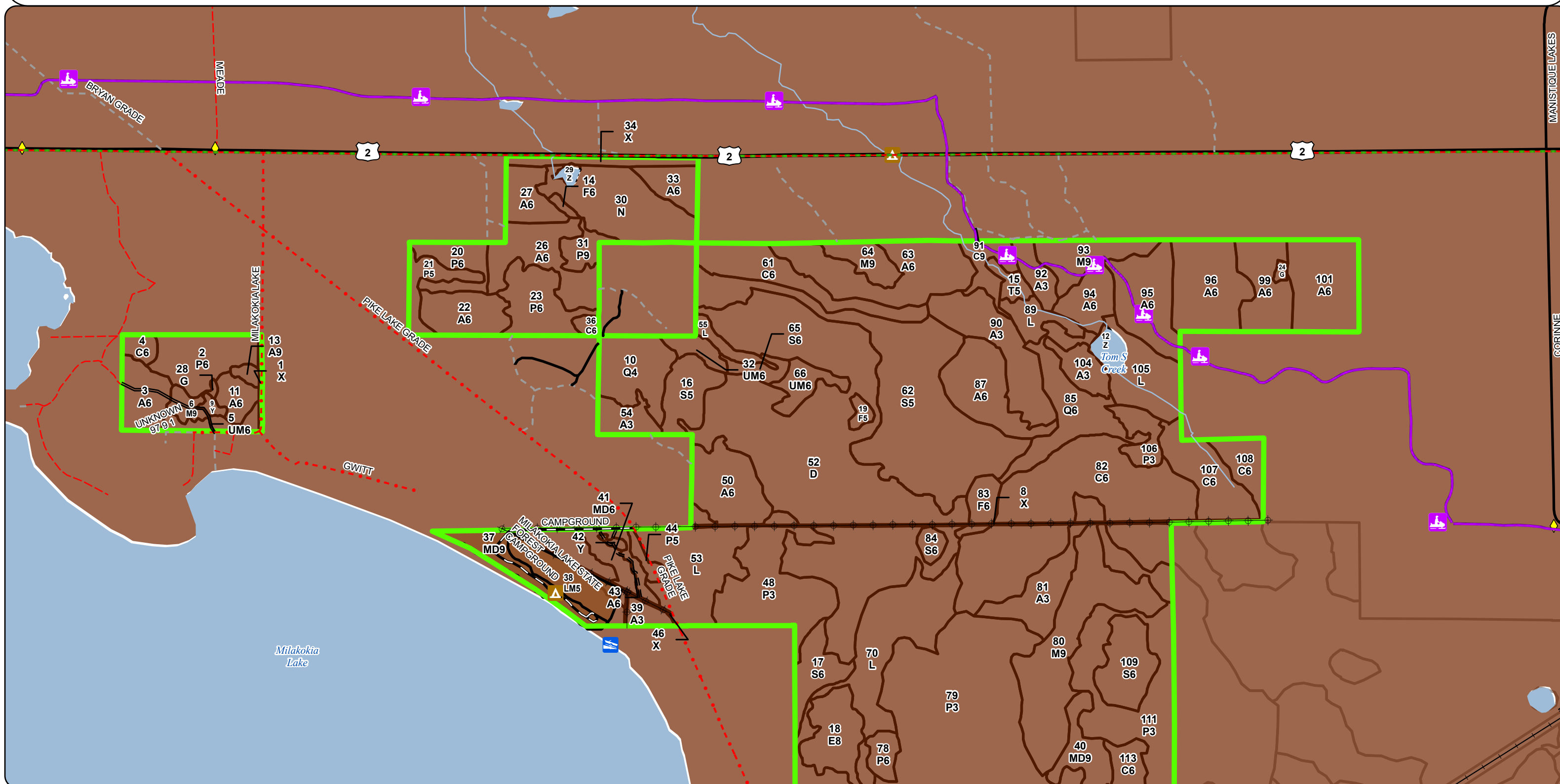
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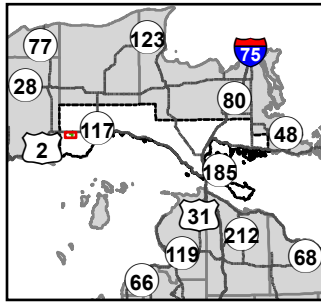


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|---|------------------------------|---|---------------------------------------|---|------------------------------|---|-------------------------|
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|  | Designated Snowmobile Trails |  | County - Gravel Road |  | Counties |  | Deer Winter Range |
|  | DNR - Primary Forest Road |  | County - Dirt Road (Seasonal) |  | Powerline |  | State Forest Campground |



Special Conservation Areas & Site Conditions Map

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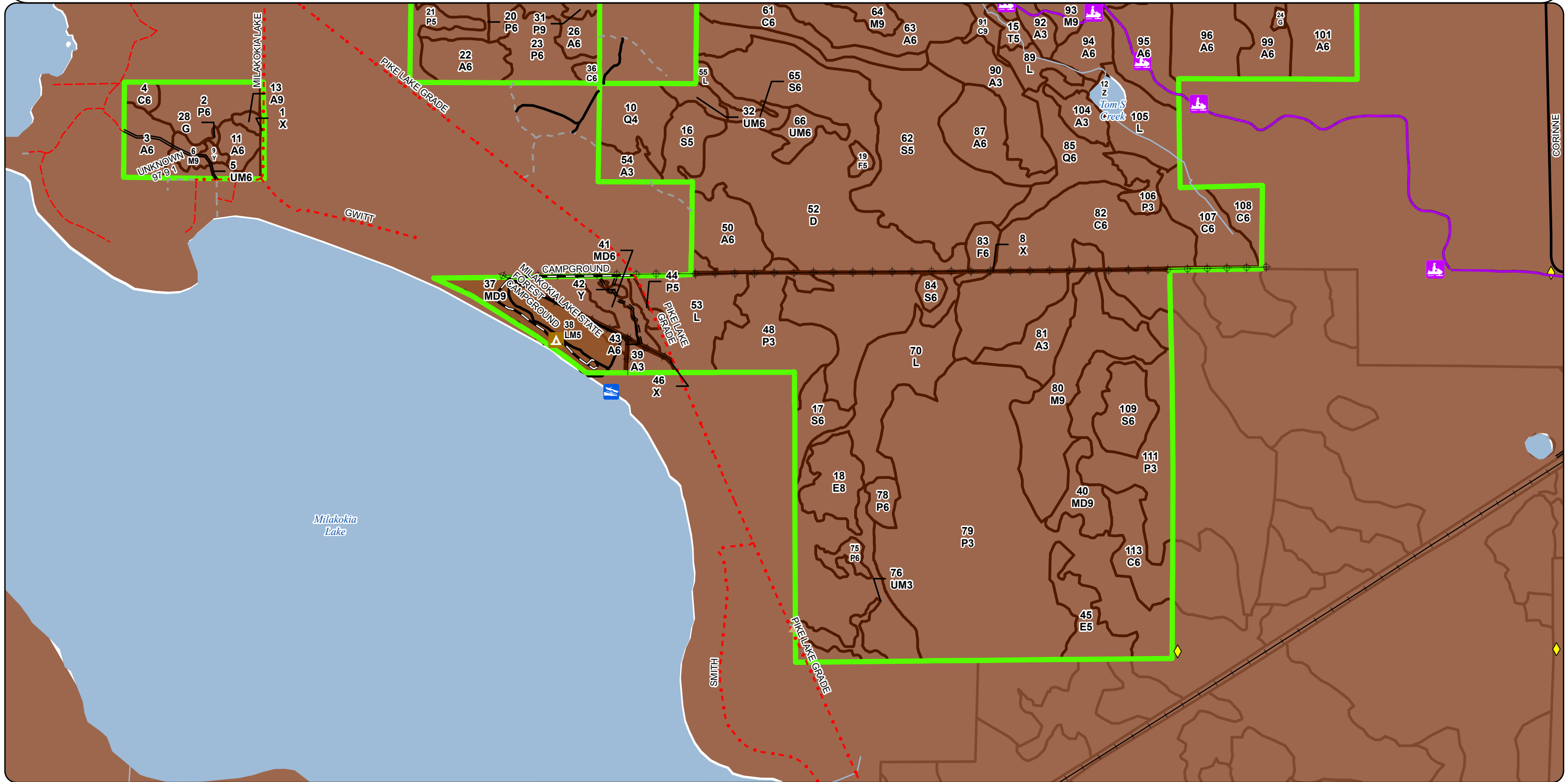
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- Stand Boundaries
- SCA
- SCA Removal
- Deer Winter Range
- State Forest Campground



Report 1 – Total Acres by Cover Type and Age Class

Nate Plato: Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	50	125	165	0	24	0	0	0	0	0	0	0	0	0	0	0	364
Cedar	0	0	0	0	0	0	0	0	0	0	27	21	0	105	9	20	0	0	181
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	48	279	19	21	11	9	3	6	0	0	0	0	0	0	0	0	394
Lowland Conifers	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	48
Lowland Deciduous	0	0	0	0	0	0	0	0	18	18	0	0	0	0	0	0	0	0	36
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	24
Lowland Shrub	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	165
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	91	48	5	0	0	0	0	0	0	0	143
Marsh	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Mixed Upland Deciduous	0	0	0	0	0	6	0	0	0	27	0	0	0	0	0	0	0	0	32
Northern Hardwood	0	0	0	0	0	0	0	0	8	75	0	0	0	0	0	0	0	0	83
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Tamarack	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Treed Bog	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179
Upland Mixed Forest	0	0	0	7	3	0	14	0	0	0	0	0	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	0	0	0	0	0	1	2	7	0	0	0	0	0	0	0	10
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	403	0	98	411	187	27	49	9	121	228	39	21	24	105	9	20	0	0	1745



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 188
Total Compartment Acres: 1,749

Commercial Harvest - 414
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	22	0	0	0	2	0	0	0	0	24
Lowland Aspen/Balsam Poplar	17	0	0	0	0	0	0	0	0	17
Lowland Conifers	23	0	0	0	0	0	0	0	0	23
Lowland Spruce/Fir	15	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	0	0	0	13	0	0	0	13
Northern Hardwood	0	73	0	0	0	0	0	0	0	73
Upland Spruce/Fir	8	0	0	0	0	0	0	0	0	8
Total	85	73	0	0	2	0	13	0	0	173

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	173	0	0	0	0	0	0	0	0	173
Next Step	0	0	0	0	0	0	239	0	0	239
Total	173	0	0	0	0	0	239	0	0	412



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:

3	45188003-Cut	13.2	4130 - Aspen	6	50	1-50	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Planting Record	No
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Prescription Harvest all deciduous trees over 2" DBH and all conifers over 4" DBH. Exclude immature patches of aspen and any overly wet areas. Place retention in patch(es) of representative composition. Winter cut only for deer yard considerations.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce, fir, maple birch, cherry.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

6	45188006-Cut	7.5	4112 - Maple, Beech, Cherry Association	9	72	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Thin to stand to an average residual BA of 50-60 focusing on overmature, large diameter stems and stems showing dieback. Retain a portion of underrepresented species throughout stand. Leave any hemlock and cedar. Harvest all merchantable aspen and fir.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Maple, birch, cherry, basswood, aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

13	45188013-Cut	2.0	4134 - Aspen, Spruce/Fir	9	52	81-110	Harvest	Shelterwood	413 - Aspen	Planting Record	No
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Prescription Harvest all trees over 4" DBH. Mark some mature aspen to leave maintaining 20-30 BA throughout treatment area. No retention due to small acreage. Leave tops 4-6 ft tall to discourage deer browse. Winter cut only for deer yard considerations.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, birch, cherry, spruce, fir.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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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
14 45188014-Cut	1.3	42340 - Upland Spruce/Fir	6	77	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, bam, spruce, fir, pine, maple, birch, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
17 45188017-Cut	11.9	6122 - Black Spruce	6	83	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Harvest all deciduous species over 2" DBH and all conifers over 4" DBH. Leave 7-10 large diameter white pine scattered throughout sale area where present. Avoid overly wet areas. Place retention in patch(es) of representative competition. Also, buffer <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, pine, tamarack, aspen, maple, birch. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
31 45188031-Cut	6.4	6111 - Lowland Balsam Poplar	9	82	51-80	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. Avoid overly wet areas. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, bam, spruce, fir, maple, birch, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
33 45188033-Cut	9.0	4134 - Aspen, Spruce/Fir	6	51	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, maple, birch, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										



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
40	45188040-Cut	12.7	4191 - Mixed Upland Deciduous with Conifer	9	82	81-110	Harvest	Overstory Removal	4113 - R.Maple, Conifer	Planting Record	No
<u>Prescription</u> Cut all stems over 4" DBH. Retention will be in patch(es) of representative composition. Leave tops 4-6 ft tall to discourage deer browse. <u>Specs:</u> Winter cut only for deer yard considerations. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, aspen, bam, birch, cherry, spruce, fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
75	45188075-Cut	4.7	6112 - Lowland Aspen	6	54	51-80	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. Avoid overly wet areas. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, bam, spruce, fir, maple, birch, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
78	45188078-Cut	5.8	6111 - Lowland Balsam Poplar	6	58	51-80	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. Avoid overly wet areas. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, bam, spruce, fir, maple, birch, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
80	45188080-Cut	50.8	4112 - Maple, Beech, Cherry Association	9	89	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand to an average residual BA of 50-60 focusing on overmature, large diameter stems, stems showing decline/dieback and stems with major defect. Expand existing gaps with quality regen present. Create gaps where quality regen needs release. Leave <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, basswood, ash, aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

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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
83 45188083-Cut	7.1	42320 - Upland Spruce	6	95	51-80	Harvest	Clearcut	42340 - Upland Spruce/Fir	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. Leave 3-5 large diameter white pine throughout sale area. No other retention due to small acreage. <u>Specs:</u> Winter cut only for deer yard considerations. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, pine, birch, maple, aspen, tamarack. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
84 45188084-Cut	3.5	6122 - Black Spruce	6	87	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Harvest all deciduous species over 2" DBH and all conifers over 4" DBH. No retention due to small acreage. Winter cut only for deer yard considerations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, tamarack, fir, pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
85 45188085-Cut	22.5	6124 - Lowland Spruce-Fir	6	87	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Cutting Record	No
<u>Prescription</u> Harvest all deciduous species over 2" DBH and all conifers over 4"DBH. Leave all cedar in pure patches. All other cedar may be harvested for operability. Leave all white pine over 18" DBH. Other retention should be placed in patch(es) of representativ <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, tamarack, cedar, birch, aspen, bam, maple, cherry, pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
93 45188093-Cut	14.8	4110 - Sugar Maple Association	9	81	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand to an average residual BA of 50-60 focusing on overmature, large diameter stems, stems showing decline/dieback and stems with major defect. Expand existing gaps with quality regen present. Create gaps where quality regen needs release. Leave <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, basswood, ash, aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Name

Acres

Stand
CoverTypeSize
DensityStand
AgeBA
RangeTreatment
TypeTreatment
MethodCover Type
ObjectiveAge
StructureHabitat
Cut

Total Treatment
Acreage Proposed: 173.2



Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions				
Acres	Available	With Condition	Not Available		2B	3D	3H	5E
364	278	86	0	Aspen	86			
182	2	0	180	Cedar			180	
2	2	0	0	Herbaceous Openland				
396	396	0	0	Lowland Aspen/Balsam Poplar				
26	21	0	4	Lowland Conifers				4
37	37	0	0	Lowland Deciduous				
24	24	0	0	Lowland Mixed Forest				
165	165	0	0	Lowland Shrub				
144	144	0	0	Lowland Spruce/Fir				
34	34	0	0	Marsh				
32	19	0	13	Mixed Upland Deciduous		13		
82	73	9	0	Northern Hardwood	9			
3	3	0	0	Sand, Soil				
4	4	0	0	Tamarack				
179	179	0	0	Treed Bog				
23	23	0	0	Upland Mixed Forest				
11	11	0	0	Upland Spruce/Fir				
14	11	0	2	Urban			2	
3	3	0	0	Water				
1,724	1,429	95	200	Total Forested Acres	95	13	182	4
	83%	6%	12%	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		3D: Recreational/scenic values	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Milakokia Lake State Forest Campground and boat launch.								



2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	182	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	95	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	4	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Milikokia Lake State Forest Campground	Concentrated Recreational Area	State Forest Campground	SCA Removal	14
Comments				
Overlapping SCA				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	122 - Road/Parking Lot	None	1.5	0	Unspecified	No	2027 YOE: East Milikokia Lake Road and right of way.																																																				
2	6112 - Lowland Aspen	Poletimber Well	20.5	45	111-140	N/A	2017 YOE: A wet Mackinac Mix stand. Primarily aspen. Some pockets of higher ground. In these areas the trees are larger. 2027 YOE: Decent aspen/bam pole stand. Dense in most spots mixed with scattered small, wet gaps. Many large pole/small saw sized stems present, but majority of stand is small pole size. Hold until next entry to reach more consistent merchantability.																																																				
<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>35</td><td>Seedling</td><td>8</td><td>45</td></tr><tr><td>Balsam Fir</td><td>20</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>White Spruce</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Balsam Poplar</td><td>30</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Seedling</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	35	Seedling	8	45	Balsam Fir	20	Seedling	6		White Spruce	5	Seedling	7		Balsam Poplar	30	Seedling	7		Red Maple	5	Seedling	6		Paper Birch	5	Seedling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Birch (spp.)</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Maple (spp.)</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Birch (spp.)	Low	Variable	Variable	Maple (spp.)	Low	Variable	Variable
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Maple (spp.)	Low	Variable	Variable																																																								
3	4130 - Aspen	Poletimber Well	13.2	50	1-50	N/A	2017 YOE: Stand is just growing into a pole stand. Some areas have very little underbrush. Nice aspen. 2027 YOE: Nice aspen stand with most of stand being mature poletimber. A few patches of small poletimber present. More conifer in middle and southern parts of stand. Northern part of stand has very little conifer, but more maple mixed in.																																																				
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4	6120 - Lowland Cedar	Poletimber Well	3.9	97	111-140	N/A	2027 YOE: Mixed cedar stand. Mainly poletimber, but many larger stems present. Wet throughout most of stand. Birch and maple regen in lesser stocked areas.																																																				
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5	4319 - Mixed Upland Forest	Poletimber Well	2.7	35	51-80	N/A	2017 YOE: Stand is growing nicely. Very dense regeneration.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.5	72	81-110	N/A	2017 YOE: Stand was thinned in 2014. Lots of regeneration present.2027 YOE: Thinned in winter of 2014 as part of the Dog Hair Softwood (45-104-07) timber sale. Medium quality northern hardwood stand heavy to hard maple. Mostly log size, but all size classes present. Dense fir understory throughout much of stand. Where fir is absent, maple regen is present, but is heavily browsed. Some crown dieback present.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Basswood</td><td>10</td><td></td><td>11</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Beech</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Sugar Maple</td><td>65</td><td></td><td>12</td><td>72</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Basswood	10		11		Balsam Fir	5	Seedling	6		Yellow Birch	5		12		Beech	5		12		Sugar Maple	65		12	72	Red Maple	10		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Medium</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>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable	Sugar Maple	Medium	Variable	Variable	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet		
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8	110 - Low Intensity Urban	None	4.7			No	2027 YOE: Cloverland powerline ROW.																																																							
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Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																											
9	710 - Sand, Soil	None	1.6	Immature		No	2017 YOE: Sand pit, with grass on the edges.2027 YOE: Same as last entry. Spruce/fir and birch creeping in on edges.																																																							
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Paper Birch</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	Variable	Variable	White Spruce	Low	Variable	Variable	Balsam Fir	Medium	Variable	Variable																																									
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Balsam Fir	Medium	Variable	Variable																																																											
10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	21.4	84	1-50	N/A	2027 YOE: Formerly part of stand ... Patches of swamp conifer, red maple and birch. Mostly pole size stems, but many log size stems present throughout stand. Dense tag alder and willow between patches. Very wet stand.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Tamarack</td><td>20</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Black Spruce</td><td>25</td><td>Seedling</td><td>8</td><td>84</td></tr><tr><td>Northern White Cedar</td><td>15</td><td></td><td>9</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td></td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Seedling	6		Tamarack	20	Seedling	8		Black Spruce	25	Seedling	8	84	Northern White Cedar	15		9		Red Maple	20		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Willow spp.</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	Variable	Variable	Willow spp.	Medium	Variable	Variable											
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11	4134 - Aspen, Spruce/Fir	Poletimber Well	6.7	35	81-110	N/A	2017 YOE: Decent aspen/spruce fir stand. Lots of rabbit sign.																																																							
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12	500 - Water	None	1.6			No	2017 YOE: OPIC - FMD: Marsh with Creek running through it. Tag Alder on the edges.2027 YOE: Small pond from flooded creek. Most likely from beaver activity.																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
13	4134 - Aspen, Spruce/Fir	Sawtimber Well	2.0	52	81-110	N/A	2017 YOE: Thick spruce regeneration. Barely a pole stand. Lots of smaller stems. 2027 YOE: Mature, approaching overmature aspen stand. Some mortality present. Good amount of maple regen present in lesser stocked areas.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	10	Seedling	7		Birch (spp.)	Low		Variable	Variable
Quaking Aspen	50		10	52	Black Cherry	Low		Variable	Variable
White Spruce	10		11		Balsam Fir	Medium		Variable	Variable
Balsam Poplar	10		9		White Spruce	Low		Variable	Variable
Red Maple	10	Seedling	8		Maple (spp.)	Medium		Variable	Variable
Paper Birch	10		10						
14	42340 - Upland Spruce/Fir	Poletimber Well	1.3	77	51-80	N/A	2017 YOE: Wet, sparse black spruce. Look at harvesting in 30 years when the stand to the west can be cut again. The canopy varies from 5' tall to 40' tall. 2027 YOE: Small, slightly upland mature white spruce. Pole size aspen/spruce/fir underneath. Some maple regen present, but heavily browsed. Beaver flooded area to east has slowly flooded and decreased size of stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	30	Seedling	6	41	Balsam Fir	Medium		Variable	Variable
Balsam Poplar	5	Seedling	6		White Spruce	Low		Variable	Variable
Balsam Fir	15	Seedling	6		Tag Alder	Low		5 - 10 feet	5 - 10 feet
White Spruce	50		12	77	Maple (spp.)	Medium		Variable	Variable
15	6121 - Tamarack	Poletimber Medium	4.3	89	1-50	N/A	2017 YOE: This stand was a lowland shrub in the previous inventory but it has enough tamarack to be a forested stand now. 2027 YOE: Very wet mixed of tamarack, alder and red maple. Mostly small poles. Some tamarack dieback.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	10	Sapling	5		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Sapling	5		Tamarack	Low		Variable	Variable
Tamarack	65	Seedling	6	89	Paper Birch	Low		Variable	Variable
Red Maple	15	Seedling	7		Red Maple	Low		Variable	Variable
Paper Birch	5	Sapling	6						
16	6122 - Black Spruce	Poletimber Medium	14.4	84	1-50	N/A	2027 YOE: Formerly part of stand 52. Medium stocked, with some fully stocked patches, black spruce. Mostly large saplings and small poles. Some mortality present.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Tamarack	5	Pole	4		Choke Cherry	Medium		Variable	Variable
Black Spruce	95	Sapling	5	84	Black Spruce	Low	Variable	Variable	
17	6122 - Black Spruce	Poletimber Well	12.4	83	51-80	N/A	2027 YOE: Formerly part of stand 70. Mostly fully stocked black spruce pole stand mixed with scattered, large diameter white pine. Some poorly/non stocked areas containing tag alder and choke cherry.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	85	Seedling	8	83	Choke Cherry	Medium		Variable	Variable
White Pine	10		16		Black Spruce	Low		Variable	Variable
Jack Pine	5	Seedling	8		Tag Alder	Low	5 - 10 feet	5 - 10 feet	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
18	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	18.4	86	1-50	N/A	2027 YOE: Formerly part of stand 70. Harvested in 2004 as part of the Whiskey Jug (45-028-97) timber sale. Medium stocked clumps of saw size red maple and white spruce mixed with large sapling/small pole size fir, aspen and spruce. In between patches is mostly tag alder. Wet stand with challenging access.																																																															
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19	42320 - Upland Spruce	Poletimber Medium	2.4	88	51-80	N/A	2017 YOE: OPIC - FMD: Isands in bog, B. spruce on edges of openings.2027 YOE: Small upland ridge adjacent to large bog. Mix of black spruce and large scattered white pine. Only access is across bog.																																																															
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20	6112 - Lowland Aspen	Poletimber Well	11.2	28	51-80	N/A	2017 YOE: Stand was cut at the same time as stand 26 but this is a much wetter site. Regeneration is doing good. 2027 YOE: Harvested in 1997 as part of the Tin Shack (45-122-97) timber sale. Wet aspen/bam stand mixed with some conifer. Frequent areas of tag alder. Stand is growing significantly slower than similar stands in the compartment.																																																															
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21	6111 - Lowland Balsam Poplar	Poletimber Medium	8.8	61	51-80	N/A	2017 YOE: OPIC - FMD: Lowland type, mostly tag alder throughout compartment.2027 YOE: Very wet mix of bam, fir, cedar and ash clumps surrounded by tag alder. Clumps are mature and mostly fully stocked. Many ash are dead or dying. Some bam mortality present as well. Leave for diversity until it can be managed with adjacent aspen stands.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
28	310 - Herbaceous Openland	None	0.6			No	Cut w/ prison crew 3/16/95.Merge with 2																																																		
29	500 - Water	None	1.4			No	2017 YOЕ: OPIC - FMD: Beaver flooding on Tom's Creek, Dam at north end.2027 YOЕ: Same as last entry. Beavers still active.																																																		
30	623 - Emergent Wetland	None	33.7			No	2017 YOЕ: OPIC - FMD: Marsh with Tom's Creek running through it. Tag Alder on the side.2027 YOЕ: Cattail marsh. Flooded from beaver activity. Very southeast part of stand was formerly stand 59, but has flooded and is standing dead cedar over tag alder.																																																		
31	6111 - Lowland Balsam Poplar	Sawtimber Well	6.4	82	51-80	N/A	2017 YOЕ: Poor Quality, wet Mackinac Mix. Look at harvesting in ten years. The stand provides age class diversity in the area. 2027 YOЕ: Variable stand with stocking and size. Wet aspen/bam mix with a heavy conifer component. Wet inclusions throughout stand containing ash and tag alder. Outside inclusions are patches of large pole to small sawtimber size aspen type. Some areas of immature stems present.																																																		
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Balsam Fir	High	Variable	Variable																																																						
32	4319 - Mixed Upland Forest	Poletimber Well	5.3	52	51-80	N/A	2017 YOЕ: Access is a problem and too little volume to cut alone. Good for age class diversity.2027 YOЕ: Mixed stand consisting of pole size spruce, fir, birch and some maple. Scattered, large white throughout stand. Fully stocked clumps with small, scattered openings. Stand is on finger ridge adjacent to large bog.																																																		
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33	4134 - Aspen, Spruce/Fir	Poletimber Well	9.0	51	81-110	N/A	2017 YOЕ: Stand is just transitioning into a pole stand. Very heavy balsam understory. 2027 YOЕ: Nice mixed aspen stand. Most aspen stems are large poles. Heavy spruce/fir component, but is smaller than aspen. Fully stocked stand.																																																		
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34	110 - Low Intensity Urban	None	7.7			No	2017 YOЕ: OPIC - FMD: Powerline along US-2.2027 YOЕ: American Transmission Company powerline ROW.																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
36	6120 - Lowland Cedar	Poletimber Well	2.1	129	111-140	N/A	2017 YOE: Decent thermal cover for deer.2027 YOE: Medium to fully stocked cedar. Lesser stocked areas contain tag alder and/or black ash. Some mortality and blowdown present. Some cedar regen present.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Ash		5	Sapling	6		Balsam Fir		Medium	Variable	Variable
Northern White Cedar		75		9	129	Tag Alder		Medium	Variable	Variable
Balsam Fir		10	Sapling	6		Northern White Cedar		Low	Variable	Variable
Red Maple		5	Seedling	8		Black Ash		Low	Variable	Variable
Paper Birch		5	Seedling	7						
37	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	13.4	84	81-110	N/A	2017 YOE: Milikokia Lake State Forest Campground. Stand will be monitored for hazard trees and garlic mustard. We will work with Parks Division on management on stand. 2027 YOE: Thinned in1999 as part of the Milakokia Lake Campground (45-20-99) timber sale. Same as last entry. Public boat launch is also within stand. West part of stand is good quality northern hardwoods and transitions into more lower ground hardwoods. Composition is a mix of red maple, hemlock, cedar and aspen. Size varies throughout stand. Heavy deer browse throughout stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5		14		Maple (spp.)		Medium	Variable	Variable
Balsam Fir		10	Seedling	7		Conifers		Medium	Variable	Variable
Quaking Aspen		10		10						
White Spruce		5		10						
Northern White Cedar		5		10						
Hemlock		10		12						
Sugar Maple		10		14						
Red Maple		40		12	84					
38	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	24.4	110	51-80	N/A	2017 YOE: Wet, mixed stand. Lots of tag alder.2027 YOE: Low quality, lowland mix. Very wet throughout stand. Patches of medium stocked lowland species surrounded by tag alder and black swales. Much of the ash is dead or dying.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		15	Sapling	5		Balsam Fir		Medium	Variable	Variable
Red Maple		5	Pole	4		Tag Alder		High	Variable	Variable
Paper Birch		10	Sapling	5		Ash (spp.)		Medium	Variable	Variable
Balsam Poplar		10	Sapling	5		Black Ash		Medium	Variable	Variable
White Spruce		10	Seedling	7		Northern White Cedar		Low	Variable	Variable
Northern White Cedar		30	Seedling	6	110					
Black Ash		20	Sapling	5						
39	4130 - Aspen	Sapling Well	5.7	11	Immature	N/A	2017 YOE: Cut in the winter of 2014. Regeneration is already a few feet high. 2027 YOE: Harvested in 2014 as part of the Dog Hair Softwood (45-104-07) timber sale. Regeneration is still doing well. Stand is close to pole size in some spots. Some gaps void of regen present throughout stand. Mostly aspen with some cherry, maple and fir present. Southeast part of stand contains a small patch of medium stocked, large white pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Log	3		White Spruce		Low	< 5 feet	< 5 feet
Quaking Aspen		72	Log	3	11	Balsam Fir		Low	< 5 feet	< 5 feet
White Pine		3		14		Maple (spp.)		Medium	Variable	Variable
Black Cherry		5	Log	3						
White Spruce		5	Log	2						
Red Maple		5	Log	3						
Paper Birch		5	Log	3						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																													
40	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	13.1	82	81-110	N/A	2027 YOE: Formerly part of stand 79. Variable stand containing a mix of red maple, birch and spruce/fir. A few cedar scattered throughout stand. Some maple regen, but heavily browsed.																													
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41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.0	40	81-110	N/A	2017 YOE: Young Mackinac mix stand that is heavier towards conifers. Stand is growing good. 2027 YOE: Medium size, fully stocked, mixed aspen stand. Heavy conifer component throughout stand. Heavy maple browse throughout stand. Hold until next entry for more consistent merchantability.																													
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42	710 - Sand, Soil	None	1.0			No	2017 YOE: OPIC - FMD: Gravel Pit, G0 on edges.2027 YOE: Same as last entry. Some young aspen/spruce/fir creeping in along edges of pit.																													
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43	4134 - Aspen, Spruce/Fir	Poletimber Well	4.1	33	51-80	N/A	2017 YOE: Regeneration is doing ok. Some open spots but not many.2027 YOE: Fully stocked aspen/spruce/fir stand just entering pole size. Heavy conifer component throughout stand. Heavily browsed maple regen throughout most of stand.																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
44	6112 - Lowland Aspen	Poletimber Medium	3.2	74	51-80	N/A	2017 YOE: Only stand of mature trees in the area. Very Wet. Stand should be left for age class diversity. 2027 YOE: Medium stocked mix of aspen, bam, fir and spruce. Some birch scattered throughout stand. Mortality present throughout stand. Gaps and edges contain a variety of regen. Most of the mature trees are short.																																																																							
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45	6118 - Lowland Deciduous with Cedar	Poletimber Medium	18.3	77	81-110	N/A	2017 YOE: OPIC - FMD: Too wet to cut, BAM is dying out. Lots of Tag Alder.2027 YOE: Very wet, variable stand. Mix of cedar, maple, birch, spruce/fir and some bam. Frequent tag alder inclusions. Stand is mostly clumps of medium to fully stocked poletimber surrounded by tag alder. Some clumps are cedar dominant, while others are maple/fir dominant.																																																																							
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48	6112 - Lowland Aspen	Sapling Well	39.4	11	Immature	N/A	2017 YOE: Stand was cut in 2014. Regeneration is already 5' tall and doing good. 2027 YOE: Harvested in 2014 as part of the Dog Hair Softwood (45-104-07) timber sale. Mostly a fully stocked stand. Regen is doing very well. Mostly aspen and fir. Wetter areas of the stand contain nice tamarack regen. Stand contains ridges with moderately wet swales in between. Scattered, mature white pine and spruce throughout stand. Some maple regen, but is heavily browsed. Middle of stand was cut as an openings maintenance, but has regenerated the same as rest of stand.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
61	6120 - Lowland Cedar	Poletimber Well	22.6	97	81-110	N/A	2017 YOE: Decent cedar with pocket of tag alder.2027 YOE: Medium to fully stocked swamp conifer stand. Pockets of cedar, birch and for mixed with pockets of spruce. Scattered tag alder inclusions mixed in throughout stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	10	Sapling	5		Northern White Cedar	Low		Variable	Variable
Tamarack	5	Sapling	6		Tag Alder	Medium		Variable	Variable
Black Spruce	15	Seedling	6		Balsam Fir	Medium		Variable	Variable
Northern White Cedar	55	Sapling	6	97	Black Spruce	Low		Variable	Variable
Red Maple	5		8		Paper Birch	Low		Variable	Variable
Paper Birch	10	Sapling	6						
62	6122 - Black Spruce	Poletimber Medium	90.5	74	51-80	N/A	2017 YOE: OPIC - FMD: Lowland type, mostly tag alder throughout compartment.2027 YOE: Poor to medium stocked black spruce pole stand. Pure spruce in most spots except for scattered tag alder inclusions. These areas contain tag alder mixed with scattered cedar, fir, birch and some red maple. Wet throughout stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Sapling	5		Black Spruce	Low		Variable	Variable
Black Spruce	80	Sapling	5	74	Choke Cherry	Low		Variable	Variable
Northern White Cedar	5		10		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Red Maple	5	Sapling	6		Balsam Fir	Low		Variable	Variable
Paper Birch	5	Sapling	6						
63	4134 - Aspen, Spruce/Fir	Poletimber Well	35.0	34	51-80	N/A	2017 YOE: Land owner to the north denied access. OPIC - FMD: Aspen is about 20ft tall and 3" in diameter. Thick regeneration.2027 YOE: Fully stocked mixed aspen stand. Pole size overall, but still many immature stems. Scattered conifer throughout stand, but dominant in western part of stand. Heavily browsed maple regen throughout stand. Check next entry.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	60	Sapling	6	34	Maple (spp.)	Medium		Variable	Variable
Balsam Poplar	5	Sapling	6		Balsam Fir	Medium		Variable	Variable
Balsam Fir	15	Sapling	6						
White Spruce	5	Sapling	6						
Red Maple	10	Sapling	5						
Paper Birch	5	Sapling	5						
64	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.8	88	81-110	N/A	2017 YOE: Stand was thinned in 2010. Land owner to the north denied access. 2027 YOE: Thinned in summer of 2008 as part of the Workhorse Mix (45-106-07) timber sale. Decent northern hardwood stand. Mostly red and hard maple with a beech component. Good regen in lesser stocked areas. All size classes of regen present. Heavily browsed throughout stand. Hold stand until adjacent aspen stands are ready for harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Yellow Birch	5		9		Beech	Medium		Variable	Variable
Balsam Fir	5	Seedling	6		Red Maple	High		Variable	Variable
Beech	8		15		Sugar Maple	Medium		Variable	Variable
Hemlock	2		12		Balsam Fir	Low		Variable	Variable
Sugar Maple	35		12						
Red Maple	40		14	88					
Paper Birch	5	Seedling	7						
65	6122 - Black Spruce	Poletimber Well	4.7	94	51-80	N/A	2017 YOE: Stand is part of a treed island out on a bog. Pretty healthy looking. Only snowmobiled up to the edge. 2027 YOE: Narrow finger ridge adjacent to large bog. Mostly black spruce and paper birch poles. Some patches of fully stocked spruce present throughout stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	15	Seedling	8		Balsam Fir	Low		Variable	Variable
Balsam Fir	5	Seedling	7		Black Spruce	Medium		Variable	Variable
Black Spruce	80	Seedling	8	94					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
66	4319 - Mixed Upland Forest	Poletimber Well	8.5	57	81-110	N/A	2017 YOE: Part of an island in a bog. I snowmobiled up to the edge.																																																		
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Red Maple	Low	Variable	Variable																																																						

70	622 - Lowland Shrub	None	94.2			No	2017 YOE: OPIC - FMD: Lowland type, mostly tag alder throughout compartment.2027 YOE: Very dense tag alder and willow throughout stand. Scattered, small patches of swamp conifer.																							
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75	6112 - Lowland Aspen	Poletimber Well	4.7	54	51-80	N/A	2017 YOE: Stands were mostly unmerchantable when surrounding stands were cut in 1997. They provide a little diversity now. 2027 YOE: Small patch of medium to fully stocked poletimber surrounded by a large tag alder stand. Mostly medium sized maple, aspen and bam poles mixed with larger birch and spruce.																																																		
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76	4319 - Mixed Upland Forest	Sapling Well	6.6	21	1-50	N/A	2017 YOE: Stand was cut in 1997. Regeneration is doing good.																																									
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78	6111 - Lowland Balsam Poplar	Poletimber Well	5.8	58	51-80	N/A	2017 YOE: Unmerchantable portions of stand that were not cut in 1997. Small islands now that add diversity.2027 YOE: Mature, mostly fully stocked bam stand. Spruce/fir, maple mixed in. Wet stand with tag present throughout stand.																																													
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79	6112 - Lowland Aspen	Sapling Well	223.0	21	Immature	N/A	2017 YOE: Stand was cut in 1997. Last inventory the regeneration was a little sparse. It is now fully developed and doing great. 2027 YOE: Harvested in winter of 2004 as part of the Whiskey Jug (45-128-97) timber sale. Large, fully stocked, mixed aspen stand. Regen is doing very well in most places. Overallly wet areas have a heavy tag alder component and smaller aspen/bam stems. Best growing areas should be pole size next entry. Some maple regen, but is heavily browsed. Not a strong conifer presence and mostly in clumps. A few scattered residual, mature cedar patches throughout stand.																																																					
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80	4112 - Maple, Beech, Cherry Association	Sawtimber Well	50.8	89	81-110	N/A	2017 YOE: Stand was thinned pretty hard in 1997. It will at least another entry before it is ready to harvest again. 2027 YOE: Thinned in winter of 2004 as part of the Whiskey Jug (45-128-97) timber sale. Decent quality northern hardwood stand. Pretty even mix of hard and red maple. Less BA in northern part of stand. Excellent advanced maple regen in these spots. Rest of stand has less, but still a good amount of advanced regen and small poles. Medium to large seedlings are present, but heavily browsed throughout entire stand. Many overmature, large diameter stems left from previous thinning.																																																					
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81	4139 - Aspen, Mixed Deciduous	Sapling Well	28.5	21	Immature	N/A	2017 YOE: Last entry regeneration was a bit spotty but it is doing great now. Stand seems to have slightly more aspen than birch now.2027 YOE: Harvested in winter of 2004 as part of the Whiskey Jug (45-128-97) timber sale. Fully stocked aspen and bam stand. Almost a pole size stand. Very little conifer throughout stand. Heavily browsed maple regen throughout stand.																																																					
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82	6120 - Lowland Cedar	Poletimber Well	93.4	127	111-140	N/A	2017 YOE: Variable cedar stand. Larger diameter and higher density to the north. Some cedar regeneration, but it is all below the snowline. 2027 YOE: Same as last entry. Large stems and high BA in some spots while others are medium stocked with mostly poor quality pole size stems.																																																					
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83	42320 - Upland Spruce	Poletimber Well	7.1	95	51-80	N/A	2017 YOE: Small upland island in the swamp. Offers nice diversity in the area. Look at harvesting when the maple stand to the southwest is ready to harvest again. 2027 YOE: Same as last entry. Mostly a fully stocked pole stand with large, scattered white pine. Rest of stand is spruce, birch and tamarack.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
95	4130 - Aspen	Poletimber Well	24.8	27	51-80	N/A	2017 YOE: Scattered spruce and balsam. Very dense regeneration.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		10	Pole	4		Balsam Fir	Low	Variable	Variable
Quaking Aspen		60	Sapling	5	27	Maple (spp.)	Medium	Variable	Variable
White Spruce		5	Pole	4					
Black Cherry		10	Sapling	5					
Red Maple		5	Pole	4					
Paper Birch		10	Pole	4					
96	4130 - Aspen	Poletimber Well	28.4	36	51-80	N/A	2017 YOE: Regeneration doing very good. Some small balsam in the understory. 2027 YOE: Harvested in 1989 as part of the Tom's Creek East (45-21-87) timber sale. Fully stocked aspen stand with fir component throughout stand. Stand has reached pole size. Heavily browsed maple regen throughout stand. Check next entry.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		5	Sapling	5		Maple (spp.)	Medium	Variable	Variable
Quaking Aspen		70	Sapling	6	36	Balsam Fir	Medium	Variable	Variable
Balsam Poplar		10	Sapling	6		Paper Birch	Low	Variable	Variable
White Spruce		5	Pole	4					
Balsam Fir		10	Sapling	5					
99	4130 - Aspen	Poletimber Well	18.6	26	51-80	N/A	2017 YOE: Regeneration is doing great.2027 YOE: Harvested in 1999 as part of the Bucket Seat Mix (45-38-97) timber sale. Fully stocked aspen stand that has just transitioned into a pole stand. Patches of conifer scattered throughout stand. Heavily browsed maple regen throughout stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		65	Sapling	5	26	Balsam Fir	Low	Variable	Variable
Black Cherry		5	Sapling	5		Maple (spp.)	Medium	Variable	Variable
Balsam Fir		10	Sapling	5					
White Spruce		5	Pole	4					
Sugar Maple		5	Pole	4					
Paper Birch		10	Pole	4					
101	4134 - Aspen, Spruce/Fir	Poletimber Well	28.1	36	51-80	N/A	2017 YOE: Stand look great. Next entry it should be small poles.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		60	Seedling	7	36	Balsam Fir	Low	Variable	Variable
Balsam Fir		15	Sapling	6		Maple (spp.)	Medium	Variable	Variable
Black Cherry		5	Sapling	5		Black Cherry	Low	Variable	Variable
White Spruce		10		9					
Sugar Maple		5	Sapling	5					
Paper Birch		5	Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
104	4130 - Aspen	Sapling Well	8.5	15	Immature	N/A	2017 YOE: Stand was cut in 2010. Regeneration is still spotty in the wetter spots but overall it is doing very good.2027 YOE: Harvested in winter of 2009/2010 as part of the Workhorse Mix (45-106-07) timber sale. Fully stocked aspen stand with spruce/fir component most prominent on edges of stand. Some maple regen scattered throughout stand, but is heavily browsed.																																												
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105	622 - Lowland Shrub	None	23.1			No	2017 YOE: OPIC - FMD: Lowland type, mostly tag alder throughout compartment.2027 YOE: Flooded portion of Tom's Creek. Appears to be beaver activity.																																												
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106	6112 - Lowland Aspen	Sapling Well	8.6	15	1-50	N/A	2017 YOE: Stand was cut in 2010. Regeneration is still a little spotty.2027 YOE: Harvested in winter of 2009/2010 as part of the Workhorse Mix (45-106-07) timber sale. Fully stocked throughout most of stand. Clumps of spruce/fir that is older than remainder of stand. In between clumps is fully stocked maple and aspen saplings. A couple scattered openings throughout stand. Smaller maple seedlings are heavily browsed.																																												
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107	6120 - Lowland Cedar	Poletimber Well	21.2	102	1-50	N/A	2017 YOE: Leave for cover and buffer for creek.2027 YOE: Low quality, patchy swamp conifer stand with cedar being most dominant. Very wet stand with abundant tag alder. More tamarack present in eastern part of stand.																																												
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108	6120 - Lowland Cedar	Poletimber Well	9.8	121	111-140	N/A	2017 YOE: Leave for cover.2027 YOE: Dense cedar pole stand. Log size stems present, but poles are dominant. Almost a pure cedar stand. Slightly drier than surrounding cedar stands. Fir in understory throughout much of stand.																																												
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