

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61011

Entry Year: 2027

Acreage: 2,896

County: Benzie

Management Area: Grand Traverse Moraine

Stand Examiner: Melina Hurin

Legal Description:

T27N R13W Sections 25-27, 34-36

Identified Planning Goals:

This compartment is in the Grand Traverse Moraine management area (MA). The plan for this MA is to provide forest products; maintain or enhance wildlife habitat; protect areas of unique character and threatened, endangered and special concern species, and provide for forest-based recreational uses and Native American non-commercial uses of forest products. Timber management for the next 10 years includes improving the age-class distribution of aspen and red pine. Northern hardwoods management includes continued selective or regeneration harvesting of northern hardwoods to achieve an uneven age-class structure or improve timber quality. Wildlife management objectives include increasing the structural complexity of northern hardwood communities for interior forest species and perpetuating early-successional communities for species adapted to young forests. Expected trends in this 10-year planning period are increased recreational pressure on recreational trails and introduced insect and disease concerns, especially emerald ash borer and beech bark disease. The plan's call for increased efforts to balance age-classes of even-aged forest types has to be tempered in this compartment by the higher-than-average amount of recreation, significant interface with residential areas, and the continuing effort to manage much of the aspen acreage in a patchwork configuration for ruffed grouse habitat.

Soil and topography:

Upland areas are primarily Benona, Nessen-Kaleva, Shavenaugh, and Benzonia sands, with Houghton-Adrian muck in lowlands. The northwest part of the compartment, generally north of the Platte River and west of Lake Ann, is hilly landscape containing several small lakes. The area generally south of the Platte River and west of Lake Ann and Sanford Lake is on outwash plain and is flat to gently rolling with several wetlands. The remainder of the compartment is on pitted outwash plain and is flat to gently rolling. It includes Lake Ann, Sanford Lake, several other small lakes and associated swamps, pothole bogs, and portions of the Platte River valley.

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

Adjacent ownership is private to the north, mixed public/private to the south and west, and predominantly state land to the east. Residential subdivisions on Lake Ann and Sanford Lake abut state lands. Lake Ann is nearly surrounded by seasonal and permanent homes. Local residents appear to have maintained numerous unofficial foot paths on state lands. There is frequent dumping, particularly landscaping debris, along 2-tracks on state lands. The Ransom Lake Natural Area abuts the northeast part of the compartment.

Unique Natural Features:

The compartment contains a portion of the Platte River and numerous lakes. There are small patches of particularly old, large white pines scattered around the compartment.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Portions of sections 34, 35, and 26 are managed for ruffed grouse and other species requiring young deciduous habitat.

Watershed and Fisheries Considerations:

The Platte River and numerous lakes are found within this compartment. The Platte River is a designated trout stream with naturally reproducing populations of both brown trout and rainbow trout. Reasonable buffers (as outlined in Water Quality Management Practices on Forest Land) should be adhered to around all the lakes and ponds in this compartment. Existing buffers appear to be appropriate for the proposed treatments.

Wildlife Habitat Considerations:

On outwash plain within this compartment, sugar maple and aspen associations are dominant. There are also some forest openings. Pitted outwash plain areas within this compartment harbor lowland mixed forests, aspen associations, and planted pine. The north half of section 27 consists of a broad till plain ridge. Northern hardwoods and aspen again dominate within this landscape in Compartment 11. A few small lakes, a wet meadow, and a pond are also present.

Wildlife considerations for northern hardwood stands involve maintaining tree species diversity, the protection of den/nesting trees & snags, coarse woody debris (CWD), and maintaining a scattering of mast-producing trees/shrubs. This will insure use by many species of wildlife. Examples of species found include ovenbird, gray fox, broad-winged hawk, wild turkey, and white-tailed deer. Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover while older stands provide buds and catkins (food source) for the winter months. Periodic clearcutting creates patches of different sizes and ages of aspen necessary for the full array of habitat conditions. The inclusion of CWD trees for drumming logs and maintaining berry-producing shrubs is also desirable. Woodcock prefer areas that are similar to grouse, but with a higher water table. The moist soils allow woodcock to forage. Openings are evaluated for wildlife value and may require hand-felling to maintain this habitat type. Many wildlife species rely on small forest openings. These openings provide grassy nest sites, plentiful seeds and insects, and cover. Examples of species include northern flicker, deer mouse, and garter snake. The lowland mixed forests provide a wintering ground for white-tailed deer. A small clearcut near these stands may provide a food source during winter. These forest types also provide good habitat for such species as barred owl, veery, black bear, and wood frog. Buffer zones should be used to protect bogs and wet meadows.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is primarily the Devonian Ellsworth Shale with minor Antrim Shale. The Ellsworth is used for cement products. Former gravel pits are located in Section 21, just to the northwest, but the closest active gravel pit is located 1.5 miles to the northwest, in Section 16. There should be some potential within the compartment. This area is located in an area of recent Antrim Shale leasing. About half of the compartment is leased for oil and gas development and the Antrim Shale appears to have potential.

Vehicle Access:

Access is fair to good throughout the compartment. Section 27 north of the river and west of Reynolds Road has only footpaths; a temporary access and stream crossing, approaching from compartment 10 to the west, may have to be constructed if timber harvesting occurs there. Access to much of section 35 is via a dirt road running west from Lake Ann Road. This road crosses the Platte River over a culvert and has had beaver problems in the past, but is currently stable. This road will need some blading and gravel if used for truck access. An illegal ATV access into the south end of section 35 from private land was blocked with slash during a past timber sale, but re-opened. A short access road in the northeast of section 34 has chronic dumping of landscape debris. The debris should be burned and the road closed at Reynolds Road. Timber stands in section 26 and the north part of section 35 are accessed via Maple Grove road, which is the entry to residential subdivisions on Sanford Lake and Lake Ann.

Survey Needs:

Part of the fenced boundary between state and private lands in section 34 appears to be off. A survey request was submitted during the last planning period, but has yet to be completed. The property line between state land and a 5 acre private parcel in the northeast corner of section 27 is unclear and may need to be surveyed. Some corners of the SESE of section 35 may have to be set.

Recreational Facilities and Opportunities:

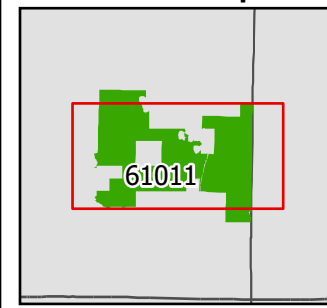
There are numerous recreational opportunities within this compartment, including Lake Ann State Forest Campground, Lake Ann Pathway, Shore to Shore Riding & Hiking Trail, and the Lake Ann Boating Access site. There are also unimproved boating access sites on Mary's Lake, Sanford Lake, and Mud Lake. The access to Peanut Lake is badly eroded, and should be closed to vehicles. The YOE 1997 review of this compartment conceptually approved expansion of the Lake Ann Pathway to connect with the Lost Lake Pathway, however funding needed to bridge the Platte River was unsuccessful. At this time, the connector pathway remains conceptual. Undesignated footpaths associated with private residential areas are common in this compartment. Protection specifications for these recreational amenities should be included in the timber sale contracts. Specifically, appropriate measures identified in the DNR Policy & Procedures "32.22XX Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails" should be incorporated into timber sale contracts. Local PRD staff should work with local FRD staff to identify any hazard trees in the campground that could be included in any prescribed treatment. Guidance provided in the "Logging Operations & Horse Events on State Land" document should be followed for timber sales impacting the Shore to Shore Riding & Hiking Trail.

Fire Protection:

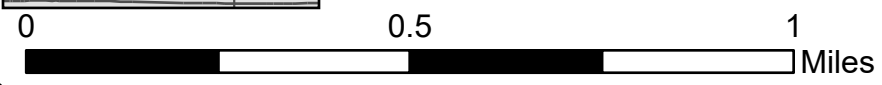
This area is protected by the Platte River DNR field office (when staffed) as well as by Almira Township Fire and Rescue. Access is not a big problem in this area. Fuel types here are primarily hardwood, and while there are some homes in the private land/urban interface, it is not too much of a problem. Close proximity to both the local VFD as well as the Platte River Field Office provide rapid response.

Additional Compartment Information:

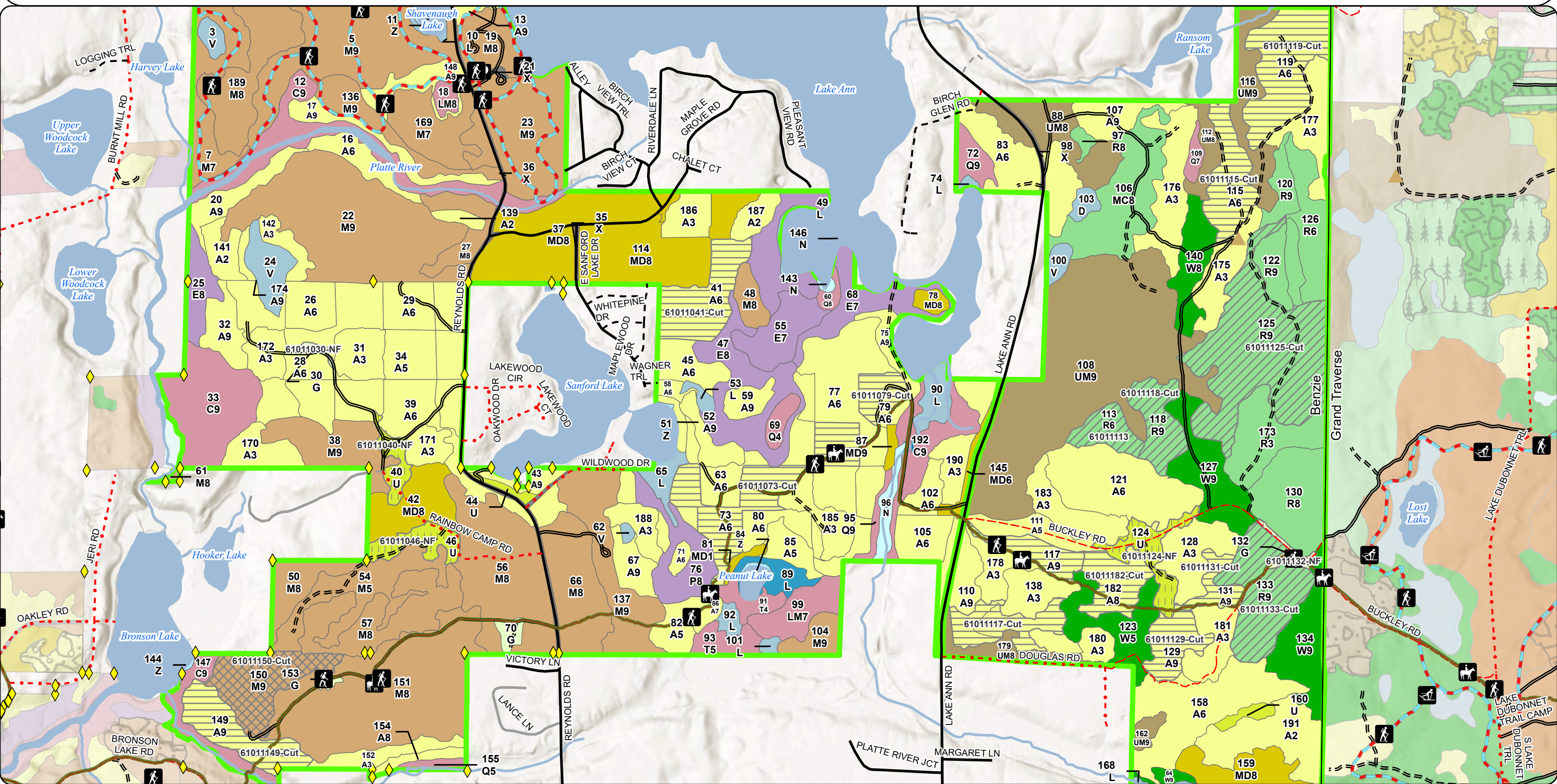
Cover Type & Treatments Map



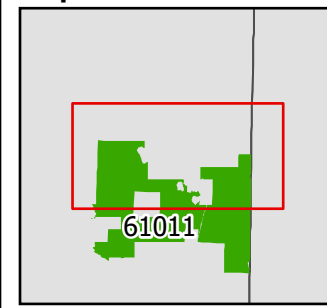
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 County: Benzie
 Unit: Traverse City
 Mgmt. Area: Grand Traverse Moraine
 YOE: 2027
 Acres: 2,896 GIS Calculated
 Examiner: Melina Hurin
 Date Exported: 1/9/2026
 Map Phase: Post Maps



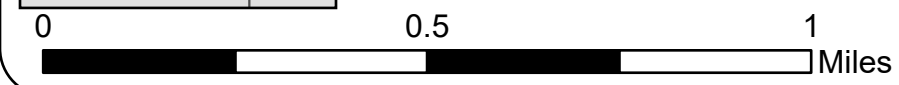
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| <ul style="list-style-type: none"> Survey Grade Corners Berm Culvert Parking Lot Sign Designated Hiking Pathway Designated Bicycle Trails Designated Equestrian Trails | <ul style="list-style-type: none"> Designated Ski Trails DNR - Secondary Forest Road DNR - Forest Access Route Federal / State / County - Paved Road Federal / State - Dirt / Gravel Road County - Gravel Road County - Dirt Road (Seasonal) Private - Paved Road | <ul style="list-style-type: none"> Private - Dirt / Gravel Road Streams Lakes and Rivers Compartment Boundary Clearcut Selection Thinning Openings Mgmt. | <ul style="list-style-type: none"> 411 - Northern Hardwood 413 - Aspen 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 500 - Water 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest 122 - Road/Parking Lot 310 - Herbaceous Openland 330 - Low Density Trees 622 - Lowland Shrub 623 - Emergent Wetland 629 - Mixed non-forested Wetland |
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Stand Boundary Map

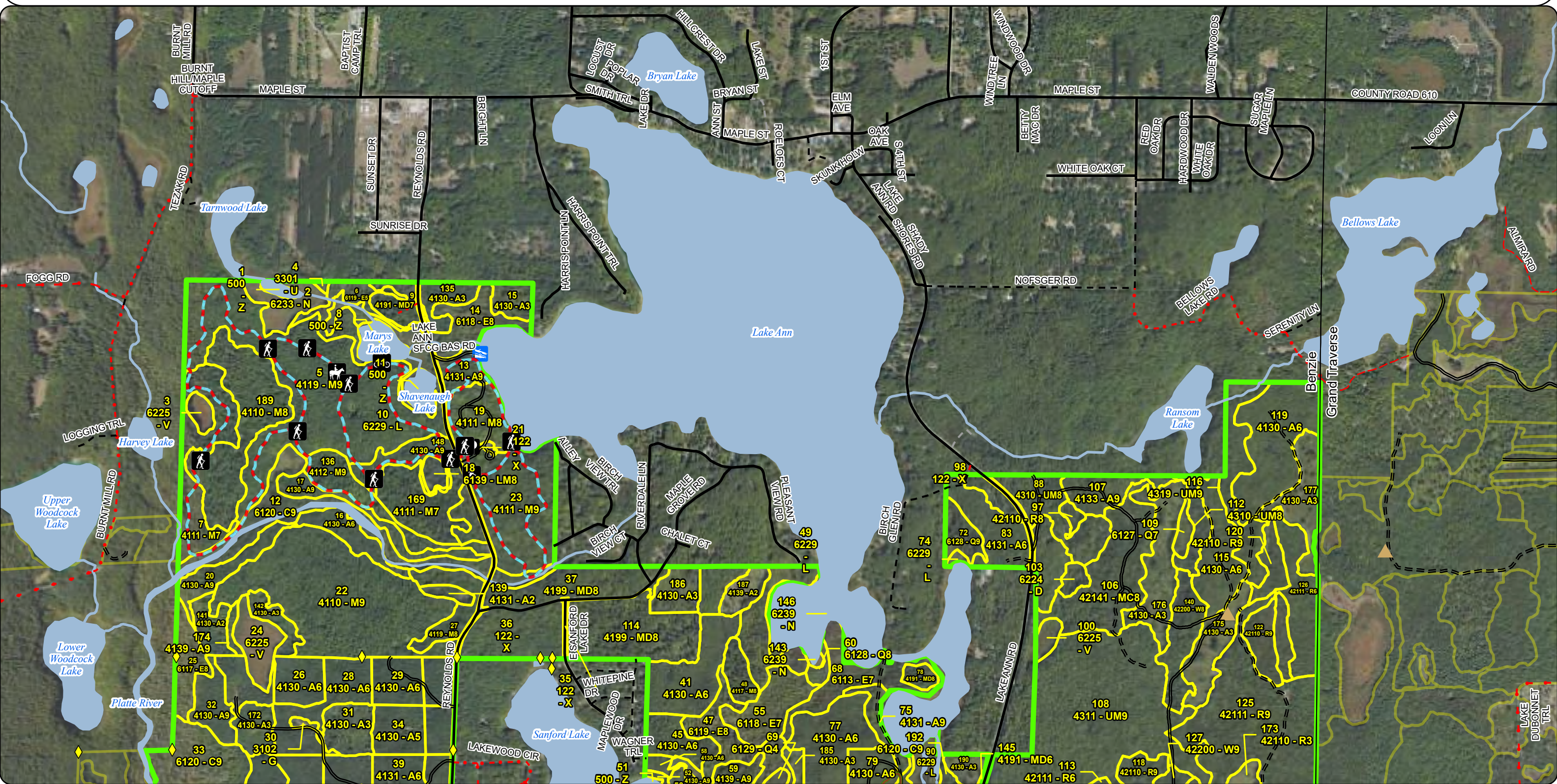


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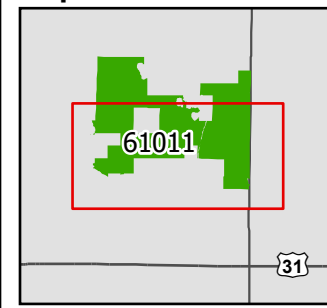


- ◆ Survey Grade Corners
- ▲ Berm
- P Parking Lot
- 🚤 Boating Access Site
- Designated Hiking Pathway
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers

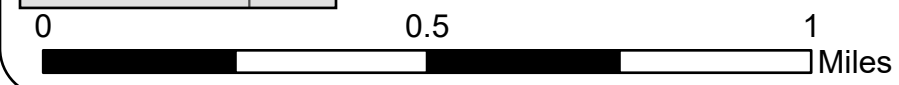
- Compartment Boundary
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
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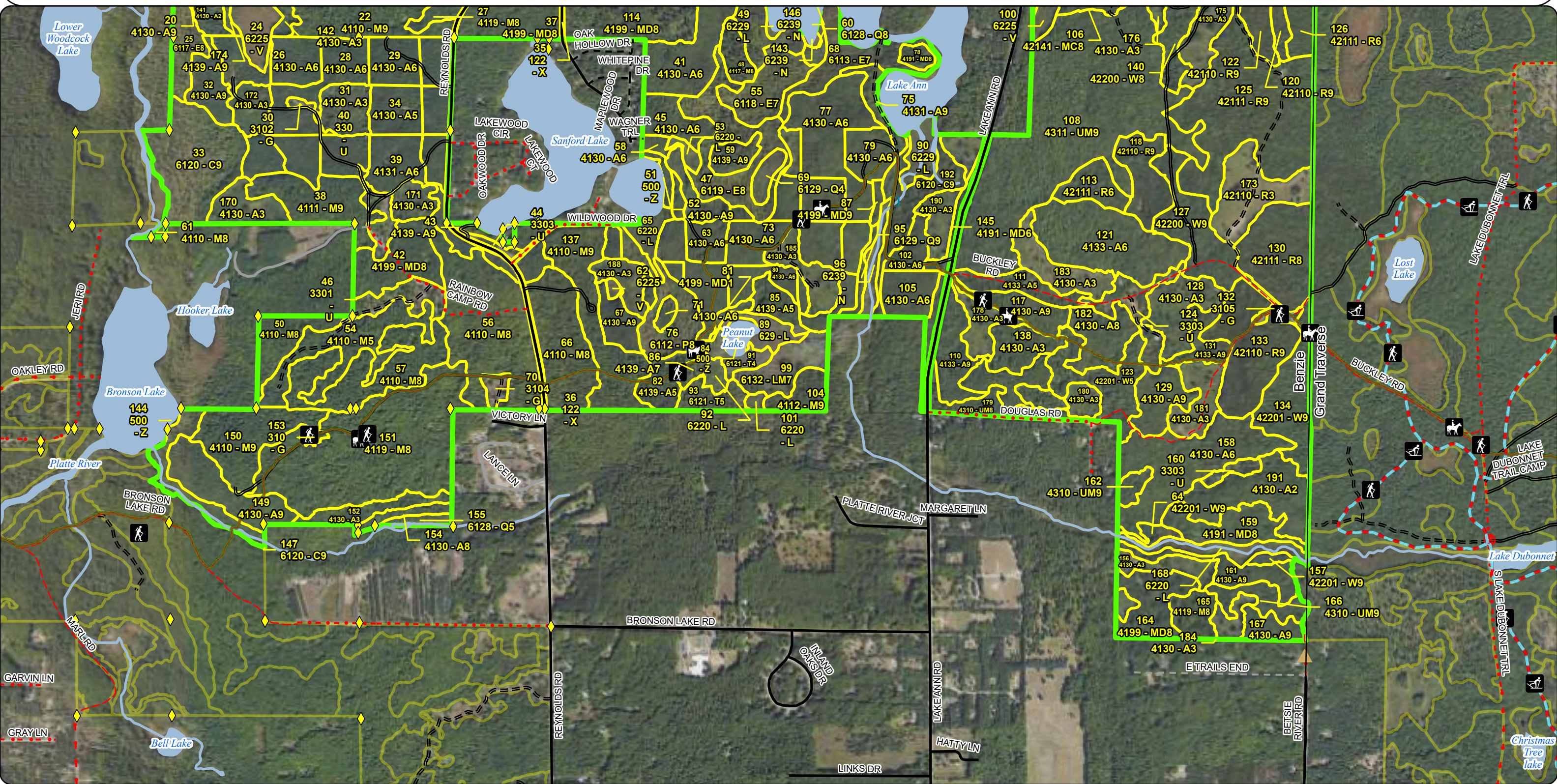


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- Culvert
- Sign
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- Designated Ski Trails

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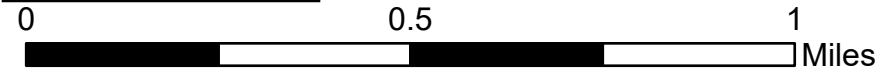
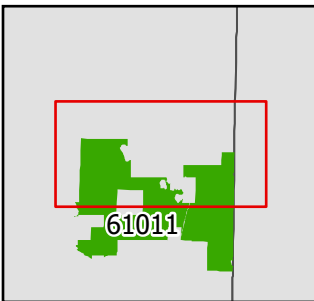
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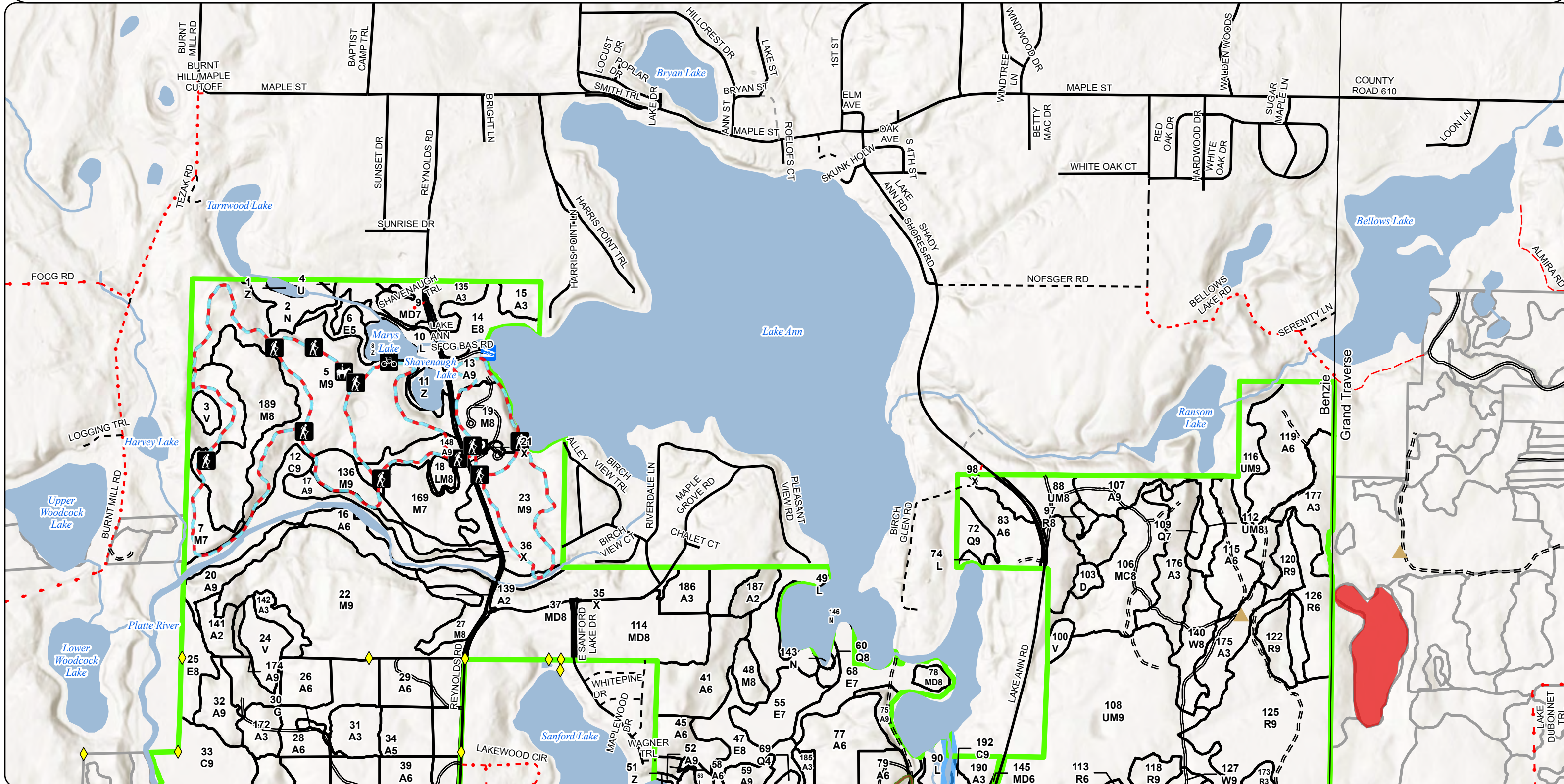


Special Conservation Areas & Site Conditions Map

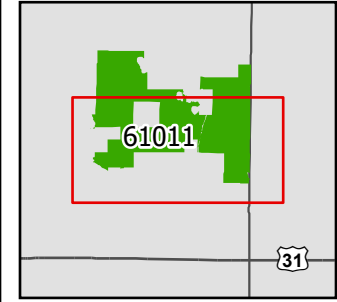
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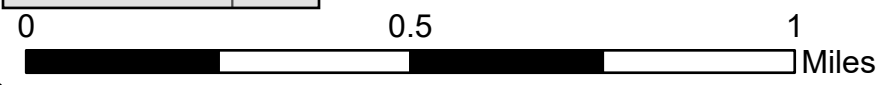
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- Compartment Boundary
- Designated Hiking Pathway
- County - Gravel Road
- Stand Boundaries
- Designated Bicycle Trails
- County - Dirt Road (Seasonal)
- Ecological Reference Areas
- Designated Equestrian Trails
- County - Dirt Road (Seasonal)
- Cold Water Streams
- High Priority Trout Stream Buffer



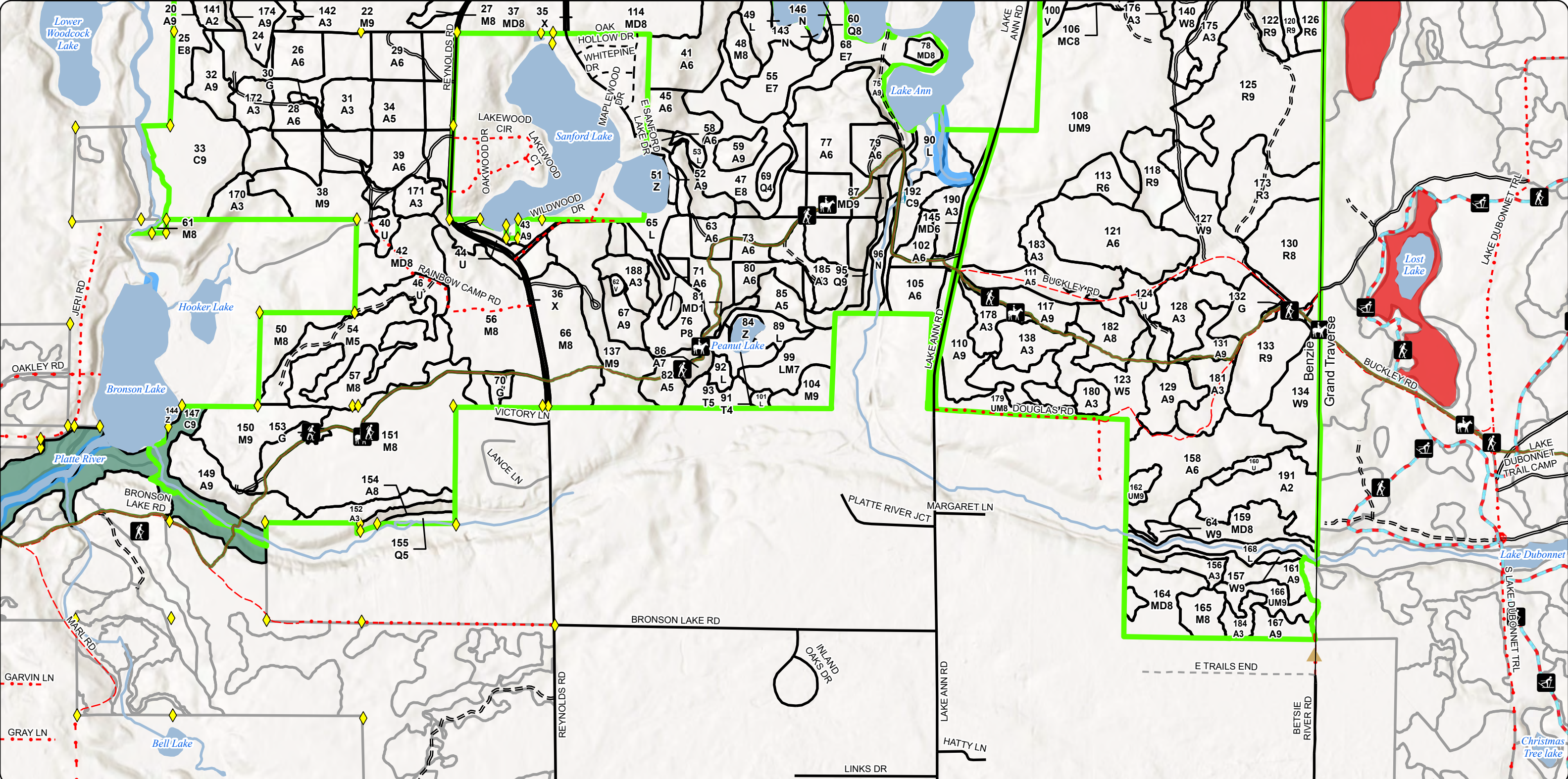
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- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



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**

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	259	52	0	167	180	140	104	21	25	17	5	0	0	0	0	0	49	1017
Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	37	52	0	101
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	19
Lowland Conifers	0	0	0	0	0	0	0	0	3	0	5	2	0	3	7	0	0	3	22
Lowland Deciduous	0	0	0	0	0	0	0	0	31	46	0	17	15	11	0	0	0	0	120
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	14	17
Lowland Shrub	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	0	2	0	17	0	3	0	7	0	103	0	0	0	0	24	156
Northern Hardwood	0	0	0	0	0	0	0	0	0	84	53	226	122	85	23	0	0	112	702
Planted Mixed Pines	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	36
Red Pine	0	22	0	0	0	0	0	199	0	0	0	0	0	0	0	0	0	0	221
Tamarack	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	6	14
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	0	0	0	0	0	0	0	8	9	24	0	0	0	0	0	0	163	204
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	0	0	0	0	24	15	0	0	0	0	0	0	0	48	87
Total	177	281	52	0	169	180	157	322	126	182	106	258	240	99	42	0	37	471	2892

Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 11
Total Compartment Acres: 2,896

Commercial Harvest - 587
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	Overstory Removal	Salvage	Other	Total Acres
Aspen	202	0	0	0	0	0	0	0	0	202
Northern Hardwood	0	26	0	0	0	0	0	0	0	26
Red Pine	0	0	0	0	0	129	0	0	0	129
Total	202	26	0	0	0	129	0	0	0	357

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	357	0	0	0	0	0	0	0	33	390
Next Step	0	0	0	0	0	0	228	0	0	228
Total	357	0	0	0	0	0	228	0	33	618

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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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Approved Treatments:

30	61011030-NF	1.2	3102 - Grass	99		NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No	
<p><u>Prescription</u> Native fruiting shrubs were planted here during the last inventory cycle. Current treatment is to replant and/or maintain native shrubs as needed. Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered ma</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
40	61011040-NF	6.7	330 - Low-Density Trees	99		NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No	
<p><u>Prescription</u> Native fruiting shrubs were planted here during the last inventory cycle. Current treatment is to replant and/or maintain native shrubs as needed. Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered ma</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
41	61011041-Cut	23.4	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, expect for sugar maple. Leave 1-2 retention islands. Include drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen</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> 10/01/2026</p>											

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
46	61011046-NF	9.6	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<p><u>Prescription</u> Native fruiting shrubs were planted here during the last inventory cycle. Current treatment is to replant and/or maintain native shrubs as needed. Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered ma</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
73	61011073-Cut	34.7	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, except log sized white pine. At least 1 retention island should be left per square. Consider leaving scattered scattered red oak and white pine along the trail. Include trail protection spec and drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> primarily aspen, some white pine, red oak, and red maple are expected.</p> <p><u>Other Comment:</u> DBH is still mostly pole sized, but cut to satisfy sufficient age gaps in checkerboard grouse harvest. Additionally, age of 47. Excluded S. sliver to later be cut with stand 80. Excluded far east square, due to harvestable area being smaller with slopes.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
79	61011079-Cut	8.7	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, except for log sized white pine. Include trail protection spec and drumming log spec. Area south of the Shore to Shore trail is being excluded to to steep slopes. Rd coming to the stand from the east is fairly steep and if erosion bordering</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen, some red oak and red maple are expected.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
118	61011113	9.8	42110 - Planted Red Pine	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand to 120 BA. Select mark suppressed and/or poor formed defect trees. Rows are erratic, so you may need to strategically mark for logging operations. Leave behind large DBH hardwoods, and only mark these if it will be in the way of operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
115	61011115-Cut	19.0	4130 - Aspen	6	61	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription Specs:</u> Cut all trees. Leave 1-2 small island retention with about 1 tree per acre scattered red oak larger than 17" in DBH. Include drumming log spec.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Primarily aspen with some white pine and red oak</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
117	61011117-Cut	26.5	4130 - Aspen	9	76	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription Specs:</u> Cut all trees. Target retention island or strip along trail, but can have more than 1 throughout the treatment. Mark to leave the scattered Xlog red oak and white pine greater than 12 in DBH. Trees smaller in DBH can be marked to leave if number of trees</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Primarily aspen, with some red/white oak and white pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
118	61011118-Cut	15.1	42110 - Planted Red Pine	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription Specs:</u> Thin stand to 120 BA. Select mark suppressed and/or poor formed defect trees. There are erratic row so you may need to strategically mark for logging operations. Leave behind large DBH hardwoods, and only mark these if it will be in the way of operations.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
119	61011119-Cut	33.8	4130 - Aspen	6	51	111-140	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<p><u>Prescription Specs:</u> Cut all trees, except for any red pine. Leave retention to the foresters discretion. Retention can be in an island or scattered trees representative of the parent stand. Prioritize Xlog (>17" DBH) white pine and red oak in the retention. Mark to leave any</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> primarily aspen, with some white pine and oak</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</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
124 61011124-NF	12.6	3303 - Mixed Low Density Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<p><u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees fo</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
125 61011125-Cut	71.8	42111 - Planted Red Pine, Mixed Deciduous	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand to 120 BA. Select mark suppressed and/or poor formed defect trees. Rows are erratic and curved, so tree may need to be marked strategically to make sure that the are sufficient rows for equipment. Leave behind large DBH hardwoods, and only mark</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
129 61011129-Cut	12.8	4130 - Aspen	9	65	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, expect for any red oak 18 in. DBH or larger. Include trail protection spec and drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Majority of the regeneration should be aspen. Some red oak, red maple, and white pine regen scattered throughout stand is acceptable.</p> <p><u>Other Comment:</u> Be aware of Shore to Shore hiking & equestrian trail that it near/along the north boundary.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
131 61011131-Cut	7.6	4133 - Aspen, Mixed Pine	9	56	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, but leave behind a few scattered white pines logs. Include drumming log spec and trail protection spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen with some oak and white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
132	61011132-NF	2.9	3105 - Mixed Upland Herbaceous	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<p><u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees fo</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
133	61011133-Cut	32.1	42110 - Planted Red Pine	9	69	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand to 120 BA. Select mark suppressed and/or poor formed defect trees. Leave behind large DBH hardwoods, and only mark these if it will be in the way of logging operations. Include spec for trail protection, in order to limit the impact from loggin</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
149	61011149-Cut	20.7	4130 - Aspen	9	55	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all stems 1 inch or larger. Leave 1-2 small retention pockets, and mark to leave any XLog white pine (about 15-16 inch DBH or larger).</p> <p><u>Specs:</u> Include drumming log spec. Treatment boundary will likely need to be adjusted due to some steeper slopes edging stan</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> primarily aspen with some white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
150	61011150-Cut	25.8	4110 - Sugar Maple Association	9	110	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark to residual BA of 50-60. Focus on removing poor quality trees and beech. Small regeneration gaps are encouraged if there is a group of poor quality stems. Do not cut any hemlock. There is little to no advanced regeneration within the stand, so the</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mixed hardwood, aspen</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</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
182 61011182-Cut	14.9	4130 - Aspen	8	56	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees, expect for any oak or pine 18 in. DBH or larger. Include trail protection and drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> primarily aspen with some white pine and oak</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> 10/01/2026</p>										

Total Treatment Acreage Proposed: 389.7

Report 4 – Site Conditions

Traverse City Mgt. Unit
Melina Hurin: Examiner

Compartment: 11
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		2B	5B	2F	2G	2H	3A	3D	3J	5E	
955	884	0	71	Aspen			25					21	20	5
19	19	0	0	Bog										
101	0	0	101	Cedar				55				5	41	
8	9	0	0	Herbaceous Openland										
34	34	0	0	Low-Density Trees										
19	0	0	19	Lowland Aspen/Balsam Poplar					19					
23	0	0	23	Lowland Conifers					23					
118	82	0	36	Lowland Deciduous					36					
17	0	0	17	Lowland Mixed Forest					17					
52	52	0	0	Lowland Shrub										
21	21	0	0	Marsh										
126	102	13	10	Mixed Upland Deciduous		13								10
655	450	8	197	Northern Hardwood	8				1		189	3	4	
36	36	0	0	Planted Mixed Pines										
203	202	0	2	Red Pine						2				
14	0	0	14	Tamarack				14						
3	3	0	0	Treed Bog										
184	178	0	6	Upland Mixed Forest			6							
17	17	0	0	Urban										
22	22	0	0	Water										
86	82	0	3	White Pine									3	
2,713	2,193	21	499	Total Forested Acres	8	13	31	165	1	2	214	67	19	
	81%	1%	18%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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3	Unavailable	3D: Recreational/scenic values	208	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High recreational use from Lake Ann Pathway and State Forest Campground users. Harvest should only be ask needed for hazard tree removal and disease issues.							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality/BMPs (stream, river, or lake)	3D: Recreational/scenic values	Unspecified	Unspecified
Comments:							
6	Unavailable	3D: Recreational/scenic values	7	3J: Water quality/BMPs (stream, river, or lake)	5B: Maintain for regeneration purposes	Unspecified	Unspecified
Comments: Boat launch, pathway, and adjacent campground. Allow stand to succeed naturally from aspen to red maple/white pine.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	4A: No markets available for these forest products	Unspecified	Unspecified	Unspecified
Comments:							

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9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Holding for riparian cover due to current state/height of Platte River floodplain. Additionally, some of stand is too steep for operability.							
11	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mature/natural White Pine in Riparian Zone. Retain for cover.							
17	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Riparian aspen stand							

Report 4 – Site Conditions

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19	Unavailable	2F: Too steep	6	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 190 (adjacent to left) clear cut.							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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33	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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46	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Possible oak regeneration site, or manage for white pine, or let the older overstory go and manage for younger understory.							
49	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	5E: Long-Term Retention	3	2F: Too steep	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: slopes surrounding bog							
52	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: stream/river riparian areas							
54	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: very steep slopes on east side on of stand.							

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56	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: retention pocket surrounding a vernal pond							
57	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
59	Unavailable	2F: Too steep	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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62	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	2F: Too steep	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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68	Unavailable	2F: Too steep	9	3J: Water quality/BMPs (stream, river, or lake)	3D: Recreational/scenic values	Unspecified	Unspecified
Comments: Slopes surrounding Ransom Lake Natural Area; adjacent rec. trail.							
69	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA surrounding protected bogs.							
72	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Platte River is west boundary of stand and cedar swamp/lowland to the north, hindering access. South and east boundaries line private property. Stand is overall, inaccessible.							
74	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments: Bog adjacent to Lake Ann Pathway.							
76	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Traverse City Mgt. Unit

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Compartment: 11

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78	Unavailable	5E: Long-Term Retention	1	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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
1	500 - Water	None	1.8			No	Tarnwood Lake																																																																																	
2	6233 - Wet Meadow	None	10.9			No	Numerous dead cedar, especially along lake. Many old stumps. Has water in it. A few autumn olive along edge. Areas of dead trees. Large area of bulrushes and grass/sedges.																																																																																	
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3	6225 - Bog	None	3.5			No	Snags and blowdowns. Very open bog.																																																																																	
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4	3301 - Low Density Deciduous Trees	None	0.6			No	Small bit of upland opening on state side of property line. Ground cover data from 2005 survey.																																																																																	
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5	4119 - Mixed Northern Hardwoods	Sawtimber Well	100.3	101	111-140	N/A	Will self-thin as aspen drops out. Very little understory. Rolling terrain, including a N-S valley through the stand heavier to aspen. Birch along wetland edges are declining; ash is dead/dying; beech scale is present. Stand includes a vernal pond. Lake Ann Pathway runs all through the stand.																																																																																	
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6	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	12.0	71	141-170	N/A	Lots of standing dead black ash. Some sapling ash and a few poles still look alive, but are probably on the way out. More tag alder and saplings in S chunk of stand. Areas of sitting water.																																																																																
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7	4111 - S.Maple, Hard Mast Association	Sawtimber Poor	25.9	90	51-80	N/A	South part of stand is an inclusion of lowland forest along a stream. Stand harvested in winter 2020-21. Steep banks along west edge of bog (stand 3) and the Platte River and its tributary stream were excluded from the harvest. There were a couple NWC, BC, and WA poles (South part of stand). Lake Ann pathway trail runs through small lobe of stand.																																																																																
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8	500 - Water	None	6.3			No	Mary's Lake. Path alongside northside leads to pond.																																																																																
9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	7.3	97	51-80	N/A	Lakefront, recreational value. Some older veteran WP & RO. Scattered sugar maple, hemlock. Aspen, red maple, birch and cherry harvested in Nov. 2018.																																																																																
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10	6229 - Mixed Lowland Shrub	None	11.1			No	Ash and NWC dead snags. There are a few veteran WP. Flowing water throughout that connects the neighboring lakes. 2005: Various grasses, forbs, grape, and berry shrubs (buckthorn?). Some purple loosestrife and ground rose seen.																																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	500 - Water	None	4.0			No	Shavenaugh Lake. 2005 comments: Appears to be a little shallower and has more waterlilies than other ponds that are close by.
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12	6120 - Lowland Cedar	Sawtimber Well	33.5	96	141-170	N/A	Platte River floodplain, numerous seeps. Cedar concentrated along river banks. Finger north up a draw is more deciduous aspen and red maple. There is significant dead and down wood in the N finger which is opening up, with some cattail patches. Paper and yellow birch declining, ash dead/dying. Lake Ann Pathway through stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	9		Beech	Low	Variable	Variable
Yellow Birch	2	Pole/Log	8		Northern White Cedar	Low	>20 feet	>20 feet
Paper Birch	2	Pole/Log	8		Red Maple	Low	>20 feet	>20 feet
Quaking Aspen	6	Log	14					
Northern White Cedar	60	Log/Pole	11	96				
White Pine	12	Log/XLog	16	96				
Hemlock	8	Log/Pole	16					

13	4131 - Aspen, Oak	Sawtimber Well	6.8	68	81-110	N/A	Contains campground, boat launch, rec. trail. As a result of campground, BA is highly variable. 2025 BAs: 90, 150, 90, 110. Paper birch is mainly along boundary edges and it is beginning to die, as well as some of the aspen. There was 1-2 White spruce trees.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	3	Log/XLog	15		White Pine	Trace	Variable	Variable
Red Maple	8	Pole	9		Ironwood	Low	Variable	Variable
Red Oak	22	Pole/Log	9		Beech	Low	< 5 feet	< 5 feet
Paper Birch	2	Log/Pole	10		Maple (spp.)	Medium	>20 feet	>20 feet
Quaking Aspen	5	Pole	9	68				
Bigtooth Aspen	55	Log/Pole	10	68				
White Pine	5	Log/Pole	15					

14	6118 - Lowland Deciduous with Cedar	Sawtimber Medium	14.7	115	51-80	N/A	Chokecherry and spicebush, as well as leeks in places. Some blowdown. Adjacent to boat launch and Lake Ann. A creek runs through the stand. BA is highly variable (2024: 20, 130, 140, 60, 50), due to blowdown and hydrology of stand. Lots of standing snags (PB, BA, and QA). Some QA saplings along boundaries due to recent aspen cuts.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Log/Pole	10	115	Spicebush	Medium	5 - 10 feet	5 - 10 feet
Yellow Birch	6	Pole/Log	8		Beech	Trace	5 - 10 feet	5 - 10 feet
Basswood	18	Log	16		Red Maple	Medium	Variable	Variable
Red Oak	2	Log/Pole	10		White Pine	Low	5 - 10 feet	5 - 10 feet
Paper Birch	4	Log/Pole	10		Black Ash	Medium	Variable	Variable
Quaking Aspen	4	Log	16					
Northern White Cedar	31	Log	14					

15	4130 - Aspen	Sapling Well	6.2	9	Immature	N/A	Fence post line along north edge, some monuments. Clearcut in Feb. 2017 with residual SM, RO, RM, and WP. Few gaps that aren't filling with regeneration (about 75% canopy closure).
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	11		White Pine	Trace	Variable	Variable
Red Maple	3	Log	11		Beech	Low	Variable	Variable
Red Oak	4	Log/Pole	10					
Bigtooth Aspen	90	Sapling	2	9				
White Pine	1	Pole	9					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	4130 - Aspen	Poletimber Well	9.8	60	111-140	N/A	Trace amounts of red oak, black cherry. River floodplain.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		4	Pole/Sapling	7		White Pine	Trace	< 5 feet	< 5 feet
Quaking Aspen		75	Pole	9	60	Ironwood	Low	Variable	Variable
Bigtooth Aspen		18	Log/Pole	10		Autumn Olive	Trace	5 - 10 feet	5 - 10 feet
White Pine		3	Log/XLog/Pole	12		Sugar Maple	Low	>20 feet	>20 feet
17	4130 - Aspen	Sawtimber Well	10.6	97	141-170	N/A	Aspen is old and declining with a moderate amount of cavities/CWD. Most of the stand is on a slope leading down to the Platte River. Lake Ann Pathway & riparian considerations; leave for habitat.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		7	Pole/Log	8	87	White Pine	Low	>20 feet	>20 feet
Paper Birch		1	Pole	8		Black Cherry	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		90	Log/XLog	17	97	Beech	Medium	Variable	Variable
White Pine		2	Log	13		Red Oak	Low	< 5 feet	< 5 feet
						Sugar Maple	Low	>20 feet	>20 feet
18	6139 - Mixed Lowland Forest	Sawtimber Medium	3.1	84	51-80	N/A	Blueberry & leatherleaf. Deciduous and pools on edges, conifers in middle. Numerous snags and CWD.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		53	Log	11	84	Black Spruce	Medium	Variable	Variable
Paper Birch		2	Pole	7		White Pine	Low	Variable	Variable
Black Spruce		22	Pole	7		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	< 5 feet
Tamarack		20	Pole	7	71	Leatherleaf	High	5 - 10 feet	5 - 10 feet
White Pine		3	XLog	23					
19	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	15.5	91	81-110	N/A	Campground sites, including tables, firepits, restrooms are disbursed across most of the stand. 2024 BAs: 150, 60, 80, 110 (BA is highly variable throughout stand due to campground). Lake Ann pathway trail goes through East and West boundaries. Steep slope on West boundary of stand going down to Lake Ann, with Cedar and Paper Birch lining the lake/trail		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		58	Log/Pole	14	91	Ironwood	Medium	Variable	Variable
Basswood		10	Log	14		Sugar Maple	Low	>20 feet	>20 feet
Beech		3	Log/Pole	11		White Ash	Low	5 - 10 feet	5 - 10 feet
Red Oak		26	Log/XLog/Pole	13		Beech	Low	Variable	Variable
Bigtooth Aspen		3	Pole	8					
20	4130 - Aspen	Sawtimber Well	10.5	89	111-140	N/A	Riparian area - on steep bank along Platte River.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		1	Log/Pole	10		White Pine	Trace	Variable	Variable
Red Maple		18	Pole/Log	9		Maple (spp.)	Low	>20 feet	>20 feet
Red Oak		3	Log	15		Ironwood	Low	Variable	Variable
Quaking Aspen		4	Log/Pole	12		Beech	Low	Variable	Variable
Bigtooth Aspen		72	Log/Pole	15	89	Beech	Trace	>20 feet	>20 feet
White Pine		2	Log/Pole	11					
21	122 - Road/Parking Lot	None	1.0			No	Parking lot and check-in area for Lake Ann Campground		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22	4110 - Sugar Maple Association	Sawtimber Well	82.8	110	81-110	N/A	Medium quality timber. Aspen old, declining, creating cavity trees and CWD. Traces of RO, WA (now dead). Areas concentrated with CWD. 33" ROs. Selection cut in 2009. BA between 70-110, averaged at 90.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	52	Log/Pole	10	110	Beech	Trace	10 - 20 feet	10 - 20 feet
Basswood	35	Log	14		Ironwood	High	Variable	Variable
Beech	1	Pole	7		Ironwood	Low	>20 feet	>20 feet
Red Oak	6	Log	13		White Ash	Low	< 5 feet	< 5 feet
Bigtooth Aspen	2	Log	13		Sugar Maple	Low	>20 feet	>20 feet
Black Cherry	4	Log	12					

23	4111 - S.Maple, Hard Mast Association	Sawtimber Well	47.7	84	81-110	N/A	Lake Ann Pathways trail run through whole stand. Fairly diverse stand, especially along the stream and lake edges. Along lake edge, there are some paper birch and black cherry. Closer to the stream, there were more white pine. The RO is more concentrated to the West and BTA more the the East. Dead white as snags Areas that are more open, have a larger amount of IW poles and saplings. Variable BA (2025: 110, 90, 140, 60, 130)The part of the stand west of Reynolds Road (~5 acres) was thinned in Dec. 2018.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole/XLog	12	84	White Pine	Low	Variable	Variable
Red Maple	3	Log	12		Sugar Maple	Low	Variable	Variable
Basswood	25	Log/Pole	11		Beech	Low	Variable	Variable
Beech	1	Log	15		Ironwood	High	Variable	Variable
Red Oak	10	Log/Pole/XLog	13					
Quaking Aspen	1	Log/Pole	12					
Bigtooth Aspen	15	Log	13					
White Pine	2	Log/XLog/Pole	16					
Ironwood	3	Pole	6					

24	6225 - Bog	None	11.2			No	Dead XL snags and fallen WP/BS throughout. Ground cover info is mostly from 2005.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	10 - 20 feet	10 - 20 feet
White Pine	Trace	>20 feet	>20 feet
Black Spruce	Trace	10 - 20 feet	10 - 20 feet
Black Spruce	Trace	>20 feet	>20 feet
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Sphagnum Moss	High	Not Applicable	Not Applicable
Sedges	High	Not Applicable	Not Applicable

25	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	11.0	127	141-170	N/A	Quite variable in size, age, species. Numerous large blowdowns. Several springs and tributary streams arise in this stand, flowing toward Platte River, rendering the stand practically unharvestable. Due to blowdowns, standing trees are patchy. High BA is some patches and low in others.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
American Elm	1	Pole	8		Beech	Low	Variable	Variable
Red Maple	53	Log/XLog/Pole	17	127	Hemlock	Low	>20 feet	>20 feet
Yellow Birch	15	Log/XLog	15					
Basswood	8	Log/Pole	14					
Northern White Cedar	16	Log	15					
Hemlock	5	Log/XLog	17					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
26	4130 - Aspen	Poletimber Well	10.7	48	111-140	N/A	Some patches with good sugar maple stocking. Most of the RO is on the W side of the block. Slight rolling topography. BA 2025:90, 100, 180, 160, 100 (highly variable across landscape).				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		8	Pole/Sapling	5	48	Beech		Low	5 - 10 feet	5 - 10 feet	
Red Oak		5	Pole/Log	9	48	Ironwood		Medium	>20 feet	>20 feet	
Quaking Aspen		23	Pole/Log	9	48	Sugar Maple		Low	Variable	Variable	
Bigtooth Aspen		60	Pole/Log	9	48	Bigtooth Aspen		Medium	Variable	Variable	
Black Cherry		4	Pole	7	48	Black Cherry		Trace	Variable	Variable	
27	4119 - Mixed Northern Hardwoods	Sawtimber Medium	11.5	96	51-80	N/A	Scattered WP/hemlock sapling-pole understory along north bluff. The part of the north arm of the stand above the bluff had the aspen removed in Dec. 2019; the south part of the stand was thinned at the same time; the bluff was not cut. Mean residual BA in removal cut about 55, 80 in thinning area. Couple high stumps left for grouse. Moderate deer browse on all species of regeneration.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		17	Log/Pole	11		White Pine		Trace	10 - 20 feet	10 - 20 feet	
Red Maple		43	Log/Pole	12	96	Ironwood		Low	< 5 feet	< 5 feet	
Basswood		2	Log/Pole	12		Bigtooth Aspen		Trace	10 - 20 feet	10 - 20 feet	
Beech		2	Pole/Log	8		Maple (spp.)		Low	Variable	Variable	
Red Oak		30	Log/Pole/XLog	10		Beech		Medium	5 - 10 feet	5 - 10 feet	
Bigtooth Aspen		6	Log/Pole	14	91						
28	4130 - Aspen	Poletimber Well	34.9	38	111-140	N/A	Pocket of low quality aspen. Corridor connecting Center & NE block has heavy IW regen with some SM and RO pole/logs. There are some slight slopes within NW block. Steeper slopes in the SW block. Small opening along 2-track in NW block				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		10	Log/Pole	10	38	Beech		Medium	5 - 10 feet	5 - 10 feet	
Quaking Aspen		45	Pole	7	38	Ironwood		High	Variable	Variable	
Bigtooth Aspen		33	Pole	7	38	White Pine		Trace	5 - 10 feet	5 - 10 feet	
White Pine		2	Log/Pole	11		Black Cherry		Trace	10 - 20 feet	10 - 20 feet	
Black Cherry		10	Pole	8	38	Sugar Maple		Medium	Variable	Variable	
						Bigtooth Aspen		Medium	Variable	Variable	
29	4130 - Aspen	Poletimber Well	11.1	48	81-110	N/A	RO/BC/RM stump sprouts. Occasional WP sapling and juneberry. BA 2024: 90, 110, 130, 160, 70 (highly variable across landscape). Areas have increased BA due to pole recruitment in clumps.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		2	Pole/Log	9		Sugar Maple		Low	>20 feet	>20 feet	
Red Maple		2	Pole/Log	9		Ironwood		Medium	Variable	Variable	
Red Oak		14	Log/Pole	10		Black Cherry		Low	>20 feet	>20 feet	
White Oak		1	Pole	5							
Quaking Aspen		30	Pole/Log	8	48						
Bigtooth Aspen		48	Pole/Log	9	48						
Black Cherry		3	Pole	7							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
30	3102 - Grass	None	1.2			No	Open grassy area with low density trees. 2 track running through it with a turn around loop.																																																											
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31	4130 - Aspen	Sapling Well	10.9	7	Immature	N/A	Clearcut in January, 2019. Two retention islands, plus scattered individual white pine and oak retained. Small patches of raspberry/blackberry/thorns.																																																											
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32	4130 - Aspen	Sawtimber Well	18.8	48	141-170	N/A	W block: Scattered BF and NWC. Some hillside (some steep), sloping down to wetlands. Most of the Aspen logs are in this block. Very little ironwood regen. SE block: heavier regeneration to the N, most of which is maple and ironwood. .																																																											
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33	6120 - Lowland Cedar	Sawtimber Well	36.7	153	141-170	N/A	Moderate-high blowdown. No browse available, but lots of winter deer sign. Streams originate in the stand. Mixed conifer regen., especially in canopy gaps: fir, hemlock, black spruce, white pine. Stand includes steep bank along east side, with mature hemlock, red maple, aspen and beech. Sparce pockets of deep sitting water. BA is variable due to areas with heavy blowdown. In 2005: counted 105 rings in first 10.5" of a 27" dbh white pine, est. 125+ years old.																																																											
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Sub-Canopy Species	Density	Avg. Height	Size																																																															
Cattail spp.	High	Not Applicable	Not Applicable																																																															
Conifers	Low	Variable	Variable																																																															
Northern White Cedar	Medium	>20 feet	>20 feet																																																															

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34	4130 - Aspen	Poletimber Medium	32.4	38	111-140	N/A	There are 2 chunks that meets with Reynolds Rd. NE chunk is abundant with RO (L/P/sap). Center square is abundant with BC. Small opening in center square. Filled with Rasp/Blackberry/ferns, with trace WP saplings			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		2	Pole/Sapling	5		Ironwood		Medium	Variable	Variable
Red Maple		2	Pole/Sapling	5	38	Black Cherry		Low	10 - 20 feet	10 - 20 feet
Red Oak		14	Log/Pole	10	38	Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Quaking Aspen		30	Sapling/Pole	4	38	Red Maple		Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		50	Pole/Sapling	5	38	Red Oak		Low	5 - 10 feet	5 - 10 feet
Black Cherry		2	Pole	7	38					

35	122 - Road/Parking Lot	None	1.2			No	East Sanford Lake Road
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36	122 - Road/Parking Lot	None	12.5			No	Reynolds and Wildwood Roads
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37	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	51.0	113	111-140	N/A	High quality red oak & tall, straight hardwoods. Patches of hemlock understory in the N 1/2 of stand. Steep slope north of Maple Grove Road to Platte River valley, east to Lake Ann, and south to Sanford Lake. Beech scale present. Lots of beech regeneration through much of the stand. BA was variable as a result of previous cuts and ranged from 70-160. Last cut in 2009.
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Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		27	Log/Pole	13		White Pine		Low	< 5 feet	< 5 feet
Red Maple		6	Log	14		Beech		High	Variable	Variable
Basswood		2	Log/Pole	16		Maple (spp.)		Low	>20 feet	>20 feet
Beech		5	Log	14						
Red Oak		40	Log/XLog	17	113					
White Oak		8	Log/Pole	13						
Bigtooth Aspen		1	Log	15						
White Pine		5	Log/XLog	15						
Hemlock		5	Log/Pole	12						
Black Cherry		1	Log	12						

38	4111 - S.Maple, Hard Mast Association	Sawtimber Well	22.8	134	81-110	N/A	2005 comments: Ring count approximate on sugar maple age - heartwood difficult to read. Lots of understory beech. BA 2025: 80, 100, 100, 80, 120,130, 130, 110 (highly variable across landscape). Most of the BC regen is on the W side. Fair amount of DDW. Potential trespass against private (mowing/maintaining state land). Need to follow up with GPS.
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Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		65	Log	13	134	Ironwood		Low	5 - 10 feet	5 - 10 feet
Red Maple		1	Log	14		Sugar Maple		Low	>20 feet	>20 feet
Basswood		12	Log/XLog	15		Beech		High	Variable	Variable
Beech		12	Log	16		Hemlock		Low	>20 feet	>20 feet
Red Oak		4	XLog/Log/Pole	18		White Pine		Trace	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		2	Log	16		Black Cherry		Low	10 - 20 feet	10 - 20 feet
White Pine		2	XLog	26						
Black Cherry		2	Log/Pole	13						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39	4131 - Aspen, Oak	Poletimber Well	28.9	48	111-140	N/A	Older WP is east of Reynolds Rd. There is a heavy RO composition throughout all the main squares. The long part of stand along Reynolds rd. is mainly Aspen.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	6	Pole	8	48	Sugar Maple	Medium	Variable	Variable
Red Oak	40	Pole/Log	9	48	Ironwood	High	Variable	Variable
Quaking Aspen	18	Pole/Log	9	48				
Bigtooth Aspen	32	Pole/Log	9	48				
White Pine	2	Log/Pole	10					
Black Cherry	2	Pole	7	48				

40	330 - Low-Density Trees	None	6.7			No	**check for spotted knapweed when snow melts Open grassy area with mixed trees. Point of connection with DNR 2-tracks and Rainbow Camp Rd.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Trace	>20 feet	>20 feet
Spotted Knapweed	Full	Not Applicable	Not Applicable
Mixed Grasses	Low	Not Applicable	Not Applicable
White Pine	Trace	Variable	Variable
Black Cherry	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Bracken Fern	Medium	Not Applicable	Not Applicable

41	4130 - Aspen	Poletimber Well	23.4	48	111-140	N/A	Slight slope down to wetland.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Pole	7	48	White Pine	Low	Variable	Variable
Red Oak	5	Pole	8	48	Maple (spp.)	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	87	Pole/Log	9	48	White Oak	Trace	>20 feet	>20 feet
Black Cherry	1	Pole	7	48	Beech	Low	Variable	Variable
					Ironwood	Trace	10 - 20 feet	10 - 20 feet

42	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	19.7	51	111-140	N/A	Mixed in both size and species. Most of the SM regeneration is 2-3 in DBH. West of Rainbow Camp rd. is heavy in BW and is lower in BA. East of rd is heavy in Aspen and is a little higher in BA. There were a few RO XL's scattered. Most of the Aspen is dying out and are snags. Nice RO logs and poles.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Pole/Log	9		White Pine	Trace	10 - 20 feet	10 - 20 feet
Basswood	22	Log	13	81	Ironwood	Medium	10 - 20 feet	10 - 20 feet
Red Oak	30	Log/Pole	11	51	Sugar Maple	High	>20 feet	>20 feet
White Oak	1	Pole	6		Beech	Trace	< 5 feet	< 5 feet
Quaking Aspen	10	Log/Pole	10		Red Oak	Low	>20 feet	>20 feet
Bigtooth Aspen	10	Log/Pole	10					
Black Cherry	2	Pole/Log	9					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
43	4139 - Aspen, Mixed Deciduous	Sawtimber Well	5.4	101	111-140	N/A	Upland that has slight slope down into Sanford Lake. Some aspen snags and CWD. New class of 2-3 in DBH SM coming to the overstory gaps. More hardwoods to west, more aspen to east. Most of the WP (of variable sizes) are along the rd. Lakeshore; adjacent homes.																																												
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44	3303 - Mixed Low Density Trees	None	1.8			No	Alongside road. Deciduous poles consist of Aspen and SM. Herbaceous data is from 2005. Mostly open grassy areas.																																												
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45	4130 - Aspen	Poletimber Well	10.8	36	111-140	N/A	Residual WP & oak, especially SW corner. Oak was aged on a larger (20"dbh) residual tree in 2005. Slopes going down to wetland to East and bog to South.																																												
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46	3301 - Low Density Deciduous Trees	None	9.6			No	Open area that is slowly converting to hardwoods. SM is the primary species, as poles and and saplings. Ferns and mixed grasses cover open spaces.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
47	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	45.8	82	81-110	N/A	Numerous down logs, snags, and tip-ups. Dead and dying ash and paper birch. Patch of veteran WP in NE part of stand. Small patches of tag alder distributed throughout the stand. Small patch of BF, NWC, and WP on E side of stand near stand 69. Variable BA due to hydrology.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		52	Log/Pole/XLog	12	82	White Ash	Low	Variable	Variable
Yellow Birch		15	Log/Pole	10		Balsam Fir	Trace	>20 feet	>20 feet
Basswood		20	Pole	6		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Red Oak		5	XLog/Log	22		Cattail spp.	Low	Not Applicable	Not Applicable
Paper Birch		4	Log/Pole	12		Beech	Low	>20 feet	>20 feet
Northern White Cedar		4	Log/Pole	10		Beech	Low	Variable	Variable
						White Pine	Low	Variable	Variable
48	4117 - Mixed N. Hardwood - Pine	Sawtimber Medium	6.5	109	81-110	N/A	Tall, big old trees. Thinned in 2019-2020, taking out much of the aspen and oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		25	Log	16		White Pine	Trace	< 5 feet	< 5 feet
Red Maple		43	Log	14	109	Red Maple	Trace	>20 feet	>20 feet
Red Oak		10	Log	12		Beech	Low	Variable	Variable
White Pine		22	XLog/Log	19		Hemlock	Medium	>20 feet	>20 feet
						Aspen (spp.)	Low	Variable	Variable
49	6229 - Mixed Lowland Shrub	None	2.0			No	Lakeshore, floating mat.		
						Sub-Canopy Species	Density	Avg. Height	Size
						Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable
						Tag Alder	High	5 - 10 feet	5 - 10 feet
						Sweet Gale	High	< 5 feet	< 5 feet
50	4110 - Sugar Maple Association	Sawtimber Medium	12.5	116	81-110	N/A	Little understory or vertical diversity. Dominant regeneration are seedlings. SM seedlings are moderately browsed. Overstory is not evenly distributed as cop trees are more clumped. There is a lower BA within the S 1/3 of stand. 2024 BAs: 160, 80, 120, 110, 80 (variable across landscape). Selection harvest in fall 2019, residual BA about 90.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		89	Log/Pole	13	116	Ironwood	Low	5 - 10 feet	5 - 10 feet
Basswood		5	Log/Pole	12		Sugar Maple	Medium	< 5 feet	< 5 feet
Red Oak		6	Log/Pole	12		Beech	Medium	< 5 feet	< 5 feet
51	500 - Water	None	5.1			No	Mud Lake		
						Sub-Canopy Species	Density	Avg. Height	Size
						Tag Alder	Low	5 - 10 feet	5 - 10 feet
52	4130 - Aspen	Sawtimber Well	2.6	87	141-170	N/A	Side slope on east side of Mud Lake. 1 or 2 YB, RP, and NWC along lake edge.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		9	Log/Pole	11		Beech	Low	Variable	Variable
Red Oak		5	Log/XLog	17		Northern White Cedar	Trace	>20 feet	>20 feet
White Oak		2	XLog/Log	20		Red Maple	Medium	Variable	Variable
Paper Birch		1	Pole/Log	8		White Pine	Low	Variable	Variable
Bigtooth Aspen		73	Log	15	87				
White Pine		10	XLog/Log	18					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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53 6220 - Alder/Willow None 2.3 No Lots of duckweed. Ground cover info from 2005.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Willow spp.	Medium	5 - 10 feet	5 - 10 feet
Sphagnum Moss	Medium	Not Applicable	Not Applicable
Paper Birch	Low	>20 feet	>20 feet
Tag Alder	High	10 - 20 feet	10 - 20 feet
Sedges	Medium	Not Applicable	Not Applicable

54 4110 - Sugar Maple Association Poletimber Medium 26.8 40 51-80 N/A Poor quality, open grown, sparse older BC/SM/A/WP over NH regen. SM, AB, IW saplings re-invading old field in shallow draws. Mixed NH/WP seedlings. Two patches mature NH near north end; these were thinned in fall 2019 along with harvest in stand 57.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	63	Pole/Log/Sap	6	40	Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Red Oak	5	Log	12		Ironwood	Medium	Variable	Variable
Quaking Aspen	6	Log	10		White Pine	Low	Variable	Variable
Bigtooth Aspen	2	Log/Pole	10					
White Pine	2	Log	13					
Black Cherry	18	Pole/Log	9	66				
Ironwood	4	Pole	5					

55 6118 - Lowland Deciduous with Cedar Sawtimber Poor 16.6 109 51-80 N/A Mucky, hummocky, about 1/2 in puddles. Scattered balsam fir. This stand was previously dominated by black ash pole timber, which is now almost all dead. Functionally, this is almost a tag alder swamp.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Log/Pole	10	109	White Pine	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	10	Log/Pole	10		Northern White Cedar	Low	>20 feet	>20 feet
Basswood	1	Log	14		Ash (spp.)	Low	< 5 feet	< 5 feet
Paper Birch	10	Pole	8		Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	5	Pole	9					
Northern White Cedar	27	Log	10					
White Pine	2	XLog	22					

56 4110 - Sugar Maple Association Sawtimber Medium 52.3 122 81-110 N/A Hemlock is more concentrated on the north stand boundary. Some nice straight basswood. Some canopy gaps with sugar maple saplings in the south part of stand. Dead ash snags throughout. Selection harvest in 2009; cruised residual BA of 78. 2025 BAs: 110, 80, 90, 100, 70, 120, 100. Shore-to-Shore trail crosses the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	55	Log/Pole	11	122	Sugar Maple	Low	Variable	Variable
Basswood	30	Log	13		Ironwood	High	Variable	Variable
Beech	5	Log/Pole	13		Hemlock	Trace	>20 feet	>20 feet
Red Oak	3	Log	13					
Bigtooth Aspen	1	Log	11					
Hemlock	4	Log	15					
Black Cherry	2	Log	15					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
57	4110 - Sugar Maple Association	Sawtimber Medium	32.2	128	81-110	N/A	Little vertical diversity and limited regeneration. Some openness in canopy. Canopy level IW is clumped together. Trace of black cherry, oak XLogs. 2024 BAs: 100, 100, 60, 120. Selection harvest completed fall 2019, residual BA about 75.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	85	Log/Pole/XLog	12	128	Ironwood	High		< 5 feet	< 5 feet
Basswood	7	Log	11		Ironwood	Medium		10 - 20 feet	10 - 20 feet
Red Oak	5	Log/Pole/XLog	13		Beech	Medium		Variable	Variable
Black Cherry	3	Log	10		Sugar Maple	Low		< 5 feet	< 5 feet
58	4130 - Aspen	Poletimber Well	2.3	48	81-110	N/A	Most red maple in the understory is about 2 inches. Horse/hiking trail through the middle of the stand. Marginally merchantable, but only cut if needed for age class merchantable. If cut, retain oaks and pine while buffering trail.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole/Sapling	7	48	Beech	Trace		< 5 feet	< 5 feet
Red Oak	6	Pole/Log	9	48	White Pine	Trace		Variable	Variable
Quaking Aspen	7	Pole	7	48	Black Cherry	Low		>20 feet	>20 feet
Bigtooth Aspen	79	Pole	7	48	Balsam Fir	Trace		Variable	Variable
White Pine	2	Log	12		Red Maple	Medium		>20 feet	>20 feet
Black Cherry	1	Pole	7	48	Bigtooth Aspen	Trace		>20 feet	>20 feet
59	4139 - Aspen, Mixed Deciduous	Sawtimber Well	6.1	98	141-170	N/A		Large, older aspen is dying out. Succeeding to RM. Balsam understory is patchy. Variable BA.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Red Maple	40	Log/Pole	12		Beech	Trace	< 5 feet		< 5 feet
Red Oak	5	Pole/Log	9		White Oak	Low	10 - 20 feet		10 - 20 feet
White Oak	3	Log/Pole	10		Balsam Fir	Low	Variable		Variable
Paper Birch	2	Log/Pole	10		Red Maple	Low	>20 feet		>20 feet
Quaking Aspen	10	Log	11						
Bigtooth Aspen	40	Log	14	98					
60	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	2.4	100	81-110	N/A	Sphagnum, pitcher plant, leatherleaf. Mucky. Dead tamarack snags.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	28	Pole	9		Tag Alder	High		5 - 10 feet	5 - 10 feet
Paper Birch	8	Pole	7		Tamarack	Low		10 - 20 feet	10 - 20 feet
Northern White Cedar	40	Log	10	100	Black Spruce	Trace		Variable	Variable
Tamarack	23	Pole	8	100					
White Pine	1	Log	14						
61	4110 - Sugar Maple Association	Sawtimber Medium	0.8	100	111-140	N/A	Bluff east of Platte River. Viewed from across the river to the west. Mixed hardwoods, hemlock along edge. Inaccessible for timber management.		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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62 6225 - Bog None 1.0 No Data is mostly from 2005; quick field check with snow cover in 2/2025. Few White Pine snags.

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	High	5 - 10 feet	5 - 10 feet
Sphagnum Moss	Full	Not Applicable	Not Applicable
Mountain Holly	Low	5 - 10 feet	5 - 10 feet
Chokeberry	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
Blueberry/Bilberry/Cranberry	Medium	5 - 10 feet	5 - 10 feet

63 4130 - Aspen Poletimber Well 16.5 36 81-110 N/A There are some slopes downward into the lowland/wet stands. Shore to Shore trail runs through center square. SW triangle, E of stand 76, is lower in BA in comparison to the other chunks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7	36	Bigtooth Aspen	Low	>20 feet	>20 feet
Red Oak	2	Pole	8	36	Beech	Trace	Variable	Variable
White Oak	1	Pole	6		Ironwood	Low	Variable	Variable
Quaking Aspen	5	Pole	6	36	White Pine	Trace	Variable	Variable
Bigtooth Aspen	80	Pole	7	36	Black Cherry	Low	10 - 20 feet	10 - 20 feet
Ironwood	2	Pole	6					

64 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 3.0 79 141-170 N/A WP has some porcupine damage. Most of the overstory trees are multi-stemmed and stunted in size.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	11		Hemlock	Low	>20 feet	>20 feet
Red Oak	20	XLog/Log	19		Red Maple	Medium	Variable	Variable
White Oak	1	XLog	21		White Pine	Low	Variable	Variable
Bigtooth Aspen	3	Log/Pole	10					
White Pine	66	Log/Pole/XLog	16	79				

65 6220 - Alder/Willow None 6.0 No Some elm and ash, but mostly dead. Ground cover data from 2005.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Quaking Aspen	Trace	>20 feet	>20 feet
Mixed Sedges/Grasses	Medium	Not Applicable	Not Applicable
Sphagnum Moss	Low	Not Applicable	Not Applicable
Cattail spp.	Low	Not Applicable	Not Applicable
Willow spp.	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Trace	>20 feet	>20 feet
Paper Birch	Trace	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Red Osier Dogwood	Trace	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	4110 - Sugar Maple Association	Sawtimber Medium	30.0	101	81-110	N/A	Few hemlock concentrated next to Shore to Shore trail, which run through S half of stand. Beech scale present. Selection harvest in winter 2019-20, residual BA about 80.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	10	101	Sugar Maple	Medium	>20 feet	>20 feet
Red Maple	5	Log	12		Ironwood	High	Variable	Variable
Basswood	14	Log	12		Beech	Medium	< 5 feet	< 5 feet
Beech	2	Log	15					
Red Oak	7	Log	11					
Bigtooth Aspen	1	Log	14					
Black Cherry	1	Pole	8					

67	4130 - Aspen	Sawtimber Well	8.4	48	111-140	N/A	Slight slope going into bog and some Black Cherry snags.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole	5	48	Sugar Maple	Medium	Variable	Variable
Red Oak	2	Pole	8		Black Cherry	Low	Variable	Variable
Quaking Aspen	3	Pole	5	48	Ironwood	Low	>20 feet	>20 feet
Bigtooth Aspen	90	Log/Pole	11	48				
Black Cherry	1	Log	10					

68	6113 - Lowland Maple	Sawtimber Poor	19.3	77	51-80	N/A	Tag alder concentrated along the water edges. Numerous snags and CWD. Lots of standing dead black ash, and some paper birch. Along Lake Ann shoreline and a flowage from Mud Lake to Lake Ann. Old RR grade through stand. Abundance of wintergreen. Couple 30" DBH RO.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Log/Pole	11	77	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Yellow Birch	1	Log	10		White Pine	Low	Variable	Variable
Red Oak	10	XLog/Log/Pole	18		Black Cherry	Medium	< 5 feet	< 5 feet
Paper Birch	20	Log/Pole	10		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen	2	XLog/Log	19		Tag Alder	Low	10 - 20 feet	10 - 20 feet
Northern White Cedar	1	Log/Pole	15		Beech	Trace	Variable	Variable
White Pine	5	Log	14		Red Oak	Low	>20 feet	>20 feet
Black Cherry	1	Pole	7					

69	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	4.5	91	141-170	N/A	Lots of marsh marigold, some pitcher plant. More open in middle - floating mat. Many of the tamaracks have dead tops.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	8		White Pine	Trace	Variable	Variable
Balsam Fir	6	Pole	7		Black Spruce	Low	Variable	Variable
Black Spruce	4	Pole/Sapling	6		Balsam Fir	Trace	Variable	Variable
Northern White Cedar	40	Pole/Sap/Log	6		Tag Alder	Medium	10 - 20 feet	10 - 20 feet
Tamarack	45	Pole/Sapling	6	91				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70 3104 - Degraded None 3.2 No No Mostly spotted knapweed with clumps of bracken fern. Shore to Shore trail goes through north part of stand. Trailer on private side, immediately to south. Herbaceous cover data is from 2005.

Sub-Canopy Species	Density	Avg. Height	Size
Juniper	Trace	5 - 10 feet	5 - 10 feet
White Pine	Trace	>20 feet	>20 feet
Black Cherry	Low	>20 feet	>20 feet
Red Maple	Trace	>20 feet	>20 feet
Bracken Fern	Medium	Not Applicable	Not Applicable
Spotted Knapweed	High	Not Applicable	Not Applicable
Mixed Grasses	Low	Not Applicable	Not Applicable

71 4130 - Aspen Poletimber Well 2.2 48 51-80 N/A "Island" in swamp regenerating to aspen, though north end was uncut. Some pole sized balsam along the edges of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Log/Pole	10	
Red Oak	2	Log/Pole	10	
White Oak	15	Pole	9	
Bigtooth Aspen	77	Pole	8	48
White Pine	4	XLog/Log	20	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Beech	Low	Variable	Variable
White Oak	Low	>20 feet	>20 feet

72 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 7.1 135 201+ N/A Lots of blowdown. Inclusion of alder/tamarack, with some dead spruce and tamarack. Seeps & flows from hillside to Mud lake.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	23	Log/XLog/Pole	13	115
Yellow Birch	2	Log	12	
Paper Birch	10	Log	13	
Northern White Cedar	44	Log/Pole	10	135
White Pine	15	XLog	24	
Hemlock	6	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	Variable	Variable
Northern White Cedar	Medium	>20 feet	>20 feet

73 4130 - Aspen Poletimber Well 41.7 48 111-140 N/A Most red maple in the understory is about 2 inches. Horse/hiking trail through the middle of the stand. Marginally merchantable, but only cut if needed for age class merchantable. If cut, retain oaks and pine while buffering trail.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	7	48
Red Oak	6	Pole/Log	9	48
Quaking Aspen	7	Pole	7	48
Bigtooth Aspen	79	Pole/Log	8	48
White Pine	2	Log	12	
Black Cherry	1	Pole	7	48

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	Variable	Variable
Black Cherry	Low	>20 feet	>20 feet
Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen	Trace	>20 feet	>20 feet
Beech	Trace	< 5 feet	< 5 feet
Balsam Fir	Trace	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
74	6229 - Mixed Lowland Shrub	None	1.0			No	North edge of Mud Lake. 2025: stand checked from edge, but stand data unchanged from 2005 inventory.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Cattail spp.	Low	Not Applicable	Not Applicable					
								Tag Alder	Medium	5 - 10 feet	5 - 10 feet					
								Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable					
								Leatherleaf	Trace	5 - 10 feet	5 - 10 feet					
								Northern White Cedar	Trace	>20 feet	>20 feet					
								Quaking Aspen	Trace	>20 feet	>20 feet					
								American Elm	Trace	>20 feet	>20 feet					
								Sweet Gale	Full	5 - 10 feet	5 - 10 feet					
White Pine	Trace	>20 feet	>20 feet													
75	4131 - Aspen, Oak	Sawtimber Well	6.0	82	81-110	N/A	Steep bank down to floodplain. Unmanageable, and best left as riparian habitat. Aspen will die out, and RM & RO will hold the site. Old RR grade runs through the stand. Couple NWC and some tag alder along the edges of water along the E boundary of the stand.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Maple	20	Log/Pole	11		Ironwood	Medium	Variable	Variable
								Basswood	2	Log	11		White Oak	Low	Variable	Variable
								Red Oak	20	Log/XLog	13		Beech	Medium	Variable	Variable
								White Oak	2	Log/Pole	13					
								Bigtooth Aspen	55	Log	12	82				
								White Pine	1	XLog/Log	20					
								76	6112 - Lowland Aspen	Sawtimber Medium	18.6	66	51-80	N/A	Denser timber on east side of stand. Variable BA due to tip-ups and wet spots. Snags and DDW throughout stand. Potential top die-back?- look again in spring.	
																Canopy Species
Red Maple	15	Pole/Log	9		White Pine	Low	10 - 20 feet									10 - 20 feet
Yellow Birch	4	Log/Pole	11		Tag Alder	Medium	5 - 10 feet									5 - 10 feet
Basswood	2	Pole/Log	9		Balsam Fir	Low	Variable									Variable
Paper Birch	1	Pole	7		Willow spp.	Low	5 - 10 feet									5 - 10 feet
Quaking Aspen	70	Log/Pole/Sap	10	66	Cattail spp.	Trace	Not Applicable									Not Applicable
Balsam Fir	8	Pole	6													
77	4130 - Aspen	Poletimber Well	50.7	36	81-110	N/A	Few beech trees scattered throughout. Some balsam fir in the understory in north chuck of stand where it meets lowlands. SE chunk has semi-steep slope going toward stream. Some areas with poor quality aspen. Horse/hiking trail cuts through small portion of stand.									
																Canopy Species
								Red Maple	4	Pole/Sapling	6	36	White Pine	Low	Variable	Variable
								Red Oak	4	Pole/Log	9	36	Black Cherry	Low	>20 feet	>20 feet
								Quaking Aspen	30	Pole	6	36	Red Maple	Medium	>20 feet	>20 feet
								Bigtooth Aspen	56	Pole	6	36				
								White Pine	3	Log/Pole	14					
								Red Pine	1	Log	15					
								Black Cherry	2	Pole/Sapling	6	36				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 3.2 79 111-140 N/A Good riparian mature habitat. Slopes/uplands adjacent to Mud Lake. Full of ground wintergreen. Few RO trees about 30" dbh.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	14		White Oak	Trace	Variable	Variable
Red Oak	42	XLog/Log	22	79	Red Maple	Trace	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	4	Log	16	79	White Pine	Trace	Variable	Variable
White Pine	15	XLog/Log	22					
Red Pine	9	Log	13					

79 4130 - Aspen Poletimber Well 10.3 48 111-140 N/A Horse and hiking trail through center stand. Steep slope S of trail. There is more red oak and less BA at top of the hill.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole/Sapling	6	48	White Pine	Low	Variable	Variable
Red Oak	6	Pole	6	48	Red Oak	Low	>20 feet	>20 feet
Quaking Aspen	7	Pole	8	48	Red Maple	Low	>20 feet	>20 feet
Bigtooth Aspen	81	Pole	8	48	Bigtooth Aspen	Low	>20 feet	>20 feet
White Pine	1	Log	16		White Oak	Trace	>20 feet	>20 feet
Black Cherry	1	Pole	7	48				

80 4130 - Aspen Poletimber Well 8.0 36 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	6	36	White Pine	Trace	Variable	Variable
Red Oak	2	Sapling/Pole	4	36	Black Cherry	Low	Variable	Variable
Bigtooth Aspen	92	Pole/Sapling	6	36				
White Pine	1	XLog	26					

81 4199 - Other Mixed Upland Deciduous Sapling Poor 1.8 31 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	38	Sapling	4	31	White Pine	Trace	5 - 10 feet	5 - 10 feet
Red Oak	33	Pole/Sapling	6		Beech	Trace	10 - 20 feet	10 - 20 feet
White Oak	10	Pole	8					
Paper Birch	1	Pole	7					
Bigtooth Aspen	13	Sapling	3	31				
Balsam Fir	5	Log/Pole	10					

82 4139 - Aspen, Mixed Deciduous Poletimber Medium 9.2 17 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	12		Beech	Low	Variable	Variable
Red Maple	5	Log	13		Red Oak	Low	< 5 feet	< 5 feet
Red Oak	4	Log	16	101	Balsam Fir	Trace	>20 feet	>20 feet
Bigtooth Aspen	46	Sapling	2	17	Ironwood	Low	Variable	Variable
Black Cherry	5	Log/Pole	10		White Pine	Trace	< 5 feet	< 5 feet

Clearcut summer 2009 with residuals. 2-storied: variable density of retained trees from 2009 cut, more retained north of trail. More overstory retain than typical clearcut, and some areas of stand don't have advanced aspen regeneration. Shore to Shore trails runs through it in addition to Rogue ATV trails.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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83	4131 - Aspen, Oak	Poletimber Well	27.2	56	111-140	N/A	Aspen regen with remnant oak and WP. WP is of all ages. Good growth on WP where not over-topped. Small amounts of paper birch, beech, and hemlock.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	8	Pole/Log/Sap	8			Red Maple	Low	>20 feet	>20 feet	
Red Oak	20	Log/Pole/XLog	10			Bigtooth Aspen	Low	>20 feet	>20 feet	
Bigtooth Aspen	60	Pole	7	56		White Pine	Medium	Variable	Variable	
White Pine	10	Pole/Log/XLog	9	64		Beech	Trace	10 - 20 feet	10 - 20 feet	
Red Pine	2	Log/Pole	12	69		Hemlock	Trace	10 - 20 feet	10 - 20 feet	

84	500 - Water	None	3.6			No	Peanut Lake
Sub-Canopy Species		Density	Avg. Height	Size			
Waterlillies	Low	Not Applicable	Not Applicable				

85	4139 - Aspen, Mixed Deciduous	Poletimber Medium	7.7	36	51-80	N/A	Two-storied stand: residual oak/pine over pole aspen regen. Some veteran WP. About 1/2 acre inclusion of leatherleaf/sphagnum bog with WP/Spruce/Tamarack. Unmarked trail running through middle of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	25	Pole/Log	8			White Pine	Medium	Variable	Variable	
Red Oak	10	Log/Pole	11	68		Bigtooth Aspen	Low	>20 feet	>20 feet	
White Oak	4	Log/Pole	12							
Paper Birch	2	Pole	7							
Bigtooth Aspen	40	Pole/Sapling	5	36						
White Pine	19	XLog/Log	18	68						

86	4139 - Aspen, Mixed Deciduous	Sawtimber Poor	2.8	76	1-50	N/A	Semi-open stand on a hillside. Leave for diversity and trail-side aesthetics.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple	30	Log/Pole	11			White Pine	Low	Variable	Variable	
Red Maple	3	Log	17			Beech	Low	Variable	Variable	
Basswood	3	Log	16							
Red Oak	2	Log/XLog	16							
Quaking Aspen	5	Log/Pole	11							
Bigtooth Aspen	50	Log	12	76						
White Pine	2	Log	17							
Black Cherry	5	Log/Pole	10							

87	4199 - Other Mixed Upland Deciduous	Sawtimber Well	1.9	116	111-140	N/A	Small block of mature trees on slope, aspen dying out and giving way to RM/WP climax. Leave for local diversity.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	16	Log	14			Red Maple	Low	Variable	Variable	
Beech	22	Log/Pole	13			White Pine	Low	Variable	Variable	
Red Oak	36	XLog/Log	20	116		White Pine	Low	>20 feet	>20 feet	
Bigtooth Aspen	8	Log	15	80						
White Pine	18	XLog	24							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	4310 - Pine, Oak Mix	Sawtimber Medium	23.7	91	81-110	N/A	Low shrubs = blueberry & wintergreen. Thinning done March 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	11		Beech	Trace	< 5 feet	< 5 feet
Beech	1	Log/XLog	17		Bigtooth Aspen	Medium	Variable	Variable
Red Oak	32	Log/XLog	15	109	White Pine	Medium	Variable	Variable
Bigtooth Aspen	5	Log/Pole	13					
White Pine	45	Log	13	91				
Red Pine	7	Log/Pole	11					

89	629 - Mixed non-forested Wetland	None	7.0			No	Standing and down dead wood with mixed lowland saplings. Mainly forbs and grasses. Joe-pye weed, cattails along flowage, rubus, a few shrubs. Some young cedar mixed in. Ground cover is from 2005 survey. Duck boxes on trees surrounding lake.
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Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Medium	10 - 20 feet	10 - 20 feet
Tamarack	Low	10 - 20 feet	10 - 20 feet
Sweet Gale	Trace	5 - 10 feet	5 - 10 feet
Cattail spp.	Low	Not Applicable	Not Applicable
Paper Birch	Low	>20 feet	>20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Sedges	Full	Not Applicable	Not Applicable

90	6229 - Mixed Lowland Shrub	None	8.0			No	Platte River flowage coming from Mud Lake. Some ground cover data are from 2005.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Cattail spp.	Low	Not Applicable	Not Applicable
Northern White Cedar	Trace	>20 feet	>20 feet
Tamarack	Trace	>20 feet	>20 feet
Sweet Gale	High	5 - 10 feet	5 - 10 feet
Mixed Sedges/Grasses	High	Not Applicable	Not Applicable
Red Maple	Trace	>20 feet	>20 feet
Paper Birch	Trace	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet

91	6121 - Tamarack	Poletimber Poor	6.2	60	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	1	Pole	7	76	Tag Alder	High	5 - 10 feet	5 - 10 feet
Paper Birch	5	Pole	6		Northern White Cedar	Medium	Variable	Variable
Balsam Fir	13	Pole	6	60				
Northern White Cedar	26	Log/Pole	10					
Tamarack	55	Pole	7	60				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
92	6220 - Alder/Willow	None	2.8			No	Filling in with tamarack. Ground cover is from 2005 survey.																																																						
		<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>Tamarack</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Mixed Sedges/Grasses</td> <td>Full</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Paper Birch</td> <td>Trace</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Osier Dogwood</td> <td>Trace</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Cattail spp.</td> <td>Low</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> </tbody> </table>						Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Low	5 - 10 feet	5 - 10 feet	Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable	Paper Birch	Trace	10 - 20 feet	10 - 20 feet	Tag Alder	High	5 - 10 feet	5 - 10 feet	Red Osier Dogwood	Trace	5 - 10 feet	5 - 10 feet	Cattail spp.	Low	Not Applicable	Not Applicable																										
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93	6121 - Tamarack	Poletimber Medium	7.7	108	51-80	N/A	Aspen on fringes. Fair amount of blowdown, causing variability in BA.																																																						
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95	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	3.0	121	111-140	N/A	Mature conifer on river floodplain. Some very tall, large white pine and hemlock with fairly clear boles. Much blowdown. Old growth quality. Adjacent to Platte River.																																																						
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96	6239 - Mixed Emergent Wetland	None	5.7			No	Flood-killed timber along flowage, much blowdown. A bunch of dead wood along creek. Occasional cedar pole tree. Mostly grasses/mixed forbs. Platte River runs through type.																																																						
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97	42110 - Planted Red Pine	Sawtimber Medium	2.0	69	81-110	N/A	Some blueberry & wintergreen. Thinned March 2020, residual BA about 100. Some larger gaps within stand.																																																						
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98	122 - Road/Parking Lot	None	2.1			No																																																							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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99	6132 - Mixed Lowland Forest with Cedar	Sawtimber Poor	14.3	106	51-80	N/A	Mixed regen in blowdown parts of stand, including BF, WP, EH, WC seedlings. Numerous WC, unbrowsed. Mucky. Hill inclusion. Lots of dead black ash and few dead birch. Basal area is patchy.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	42	Log/Pole	10	106
Yellow Birch	4	Pole/Log	8	
Paper Birch	3	Pole	6	
Balsam Fir	12	Pole	9	
Northern White Cedar	36	Log/Pole	13	
White Pine	2	XLog	24	
Hemlock	1	Log	12	

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

100	6225 - Bog	None	3.4			No	Grass/sedge and alder is in NW corner. 2005: Mixture of grasses/forbs with leatherleaf. Shrubs around perimeter with sedges. Dry. A few pole white pine mixed in. Iris. 2024: stand checked from edge; stand data mostly unchanged from 2005 inventory.
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Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
Willow spp.	Low	5 - 10 feet	5 - 10 feet
Leatherleaf	High	5 - 10 feet	5 - 10 feet
Mixed Sedges/Grasses	Medium	Not Applicable	Not Applicable
Sphagnum Moss	Medium	Not Applicable	Not Applicable

101	6220 - Alder/Willow	None	1.4			No	Ground cover is from 2005 survey.
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Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable
Balsam Fir	Low	>20 feet	>20 feet
Tamarack	Trace	>20 feet	>20 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet

102	4130 - Aspen	Poletimber Well	6.6	36	81-110	N/A	Remnant WP/O over aspen regen. A few remnant RP, WO. Some blueberry. Just breaking into pole class.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	8	
Red Oak	2	Log/XLog	16	
White Oak	1	Log/Pole	11	
Bigtooth Aspen	80	Pole/Sapling	5	36
White Pine	15	Log/Pole	13	81

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Trace	>20 feet	>20 feet
White Pine	Medium	Variable	Variable

103	6224 - Treed Bog	None	3.1			No	Leatherleaf bog with a fair amount of white pine mixed in.
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Sub-Canopy Species	Density	Avg. Height	Size
Sphagnum Moss	High	Not Applicable	Not Applicable
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Canada Blueberry	Trace	5 - 10 feet	5 - 10 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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104 4112 - Maple, Beech, Cherry Association Sawtimber Well 8.0 108 141-170 N/A Small acreage, but decent quality NH. Could thin, but would need private access. Fairly open understory. Aspen is at the SW end. Scattered basswood, red oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	42	Log	14	108	Beech	Low	Variable	Variable
Red Maple	40	Log/XLog	16	108	Hemlock	Low	>20 feet	>20 feet
Beech	2	XLog	24					
Bigtooth Aspen	3	Log/Pole	10					
White Pine	5	XLog	24					
Black Cherry	8	Log	12					

105 4130 - Aspen Poletimber Well 11.0 48 81-110 N/A Stocked with pole sized aspen. Slight slope into swamp to W.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole/Sapling	6	48	Red Oak	Low	>20 feet	>20 feet
Red Oak	2	Pole	7		White Pine	Medium	Variable	Variable
Bigtooth Aspen	85	Pole/Log	9	48				
White Pine	8	Pole	8					
Red Pine	1	Pole	6					

106 42141 - Planted Mixed Pine, Mixed Deciduous Sawtimber Medium 35.8 76 1-50 N/A Much of type is patchy RP plantation (planted in 1957) where aspen and WP have filled gaps. Some veteran oak & WP. A narrow, wet draw running NE from SW end of type has very large old WP to 34" dbh, plus NWC poles. Thinned in March 2020, thinned to about 100.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Log/Pole	12		White Pine	Medium	Variable	Variable
Yellow Birch	1	Pole	8		Beech	Low	Variable	Variable
Red Oak	18	Log/XLog	14		Bigtooth Aspen	Low	Variable	Variable
White Oak	1	Log	14					
Bigtooth Aspen	4	Pole/Log	9	63				
Northern White Cedar	1	Pole	7					
White Pine	44	Log/Pole/XLog	11	76				

107 4133 - Aspen, Mixed Pine Sawtimber Well 11.3 52 81-110 N/A Bluff on north side drops down to Ransom Lake. Stand 176 was originally part of this stand and was clearcut last YOE.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Log/Pole	12		White Pine	High	Variable	Variable
Beech	1	Log	12		Beech	Trace	< 5 feet	< 5 feet
Red Oak	2	Log/Pole	10		Red Oak	Trace	>20 feet	>20 feet
Bigtooth Aspen	75	Log	12	52				
White Pine	20	Log/Pole	10	77				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
108	4311 - Pine, Aspen Mix	Sawtimber Well	130.8	117	111-140	N/A	Aspen variable in size & age, could have gradually regenerated and spread clones. Veteran RO & WP in scattered patches. Quite a variable type, but no obvious places to break out separate stands. Short rows/patches of planted RP in some places, where stand bled into neighboring plantations.																																															
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109	6127 - Lowland Pine	Sawtimber Poor	3.1	74	81-110	N/A	Leatherleaf/blueberry bog. Mixed shrubs: tag alder, wild raisin, holly.																																															
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110	4133 - Aspen, Mixed Pine	Sawtimber Well	19.1	59	111-140	N/A	Remnant WP/RO over pole A/WP/RO, with WP regen in all ages/sizes. The largest pocket of Wp is in the center of the E part of stand and is mostly 4-6 in DBH. Lake Ann rd. running through the stand, separating it. Stand 179 was originally part of 110.																																															
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111	4133 - Aspen, Mixed Pine	Poletimber Medium	10.6	48	51-80	N/A	Sparse timber in shallow draw along road. WP in several size/age classes, trying to reclaim site. A few WO.																																															
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112	4310 - Pine, Oak Mix	Sawtimber Medium	7.6	76	81-110	N/A	Patches of planted red pine. WP mixed sizes/ages. Aspen declining. Gradual slope down to bog and lake, mostly in a draw. Thinned Jan. 2020, residual BA about 85. Abuts Ransom Lake Natural Area on north end.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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113 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 9.8 69 141-170 N/A Same plantings as adjacent stand, but much more aspen/oak competition. Many RP are suppressed. Some decent red oak poles. More WP understory closer to stand 108.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	12	Log/Pole/XLog	13	
Bigtooth Aspen	16	Log/Pole	10	
White Pine	2	Pole	8	
Red Pine	70	Pole	9	69

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable

114 4199 - Other Mixed Upland Deciduous Sawtimber Medium 33.9 113 51-80 N/A High quality red oak & tall, straight hardwoods. Patches of hemlock understory. Beech scale present. Lots of beech regeneration through much of the stand. Areas of concentrated hemlock cover and slopes along wetland/lake/river were left out of previous thinning operation. Cut in 2020 to remove most of the beech and aspen, plus some oak and maple. Brambles throughout stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	29	Log/Pole	12	
Red Maple	10	Log/Pole	12	
Basswood	1	Log/Pole	13	
Red Oak	45	XLog/Log	20	113
White Oak	1	Log/Pole	16	
White Pine	8	Log	16	
Hemlock	4	Log/Pole	10	
Black Cherry	2	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	< 5 feet
Beech	High	5 - 10 feet	5 - 10 feet
Hemlock	Low	>20 feet	>20 feet
Bigtooth Aspen	Low	5 - 10 feet	5 - 10 feet
Blackberry/Raspberry	High	5 - 10 feet	5 - 10 feet

115 4130 - Aspen Poletimber Well 19.0 61 111-140 N/A A few cherry. Some remnant RO. Lots of wintergreen. 2025 BA: 150, 120, 140,120, 160

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Pole	9	
Beech	1	Log	12	
Red Oak	10	Log/Pole/XLog	10	
Bigtooth Aspen	70	Pole	9	61
White Pine	10	Log/Pole	12	
Red Pine	1	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	< 5 feet	< 5 feet
White Pine	Medium	Variable	Variable
White Oak	Trace	10 - 20 feet	10 - 20 feet

116 4319 - Mixed Upland Forest Sawtimber Well 18.9 82 111-140 N/A Mixed timber, some old trees. Along slopes to Ransom Lake and Ransom Creek at north end, in a draw to south. Some hemlock along creek bottom. South end has some bits and pieces of RP plantation rows. Wintergreen and blueberry. 37" DBH WP. 2025 BA: 90, 150, 80, 170

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	8	
Beech	1	Log	12	
Red Oak	24	Log/Pole/XLog	11	
Bigtooth Aspen	20	Log/Pole	10	91
White Pine	40	Log/Pole/XLog	13	82
Red Pine	5	Log/Pole	15	83

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
117	4130 - Aspen	Sawtimber Well	20.5	76	81-110	N/A	Trace of white birch. Lots of old WP stumps. Aspen is variable in size, maybe in age. Shore to Shore trail run through South boundary of the Northern piece.																																																			
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118	42110 - Planted Red Pine	Sawtimber Well	15.1	69	141-170	N/A	Relatively low stocking for a RP plantation. Couple white oak and black cherry. Grassy opening near SW corner. Aspen is starting to fill in spaces, but overall poor quality.																																																			
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119	4130 - Aspen	Poletimber Well	33.8	51	111-140	N/A	Some remnant WP, RO, RP, especially around kettle depressions. Blueberry, wintergreen.																																																			
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120	42110 - Planted Red Pine	Sawtimber Well	12.4	69	111-140	N/A	Some RO are stump sprouts, some remnants. Some WO and WP. 2025 BA: 170, 150, 160, 130. Thinned Feb. 2020, residual BA about 120. South part of stand was originally part of stand 122, and was row also thinned in Feb. 2020.																																																			
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121	4133 - Aspen, Mixed Pine	Poletimber Well	38.0	66	51-80	N/A	Remnant WP/RM/RO over mixed pole. Aspen quite variable in size, most being small for its age. A couple beech. WP & RO ages on 10" dbh average sized trees in 2005. Some good quality red oaks in the small sawlog size class. Aspen more concentrated to the East and white pine more to the West.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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122 42110 - Planted Red Pine Sawtimber Well 8.6 69 141-170 N/A Was previously 3rd-row thinned.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	1	Pole/Log	9		White Pine	Low	Variable	Variable
Red Oak	7	Log/XLog	17		Beech	Trace	< 5 feet	< 5 feet
Quaking Aspen	2	Log	13		Red Oak	Trace	10 - 20 feet	10 - 20 feet
White Pine	10	Log/XLog/Pole	17					
Red Pine	79	Log/Pole	10	69				
Black Cherry	1	Log/Pole	12					

123 42201 - Natural White Pine, Mixed Deciduous Poletimber Medium 20.9 70 81-110 N/A Most of the aspen was removed in a March-April 2020 harvest, other species thinned. Shore-to-Shore Trail runs through the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Log/Pole	11		White Oak	Low	10 - 20 feet	10 - 20 feet
Red Oak	15	Log/Pole/XLog	11		White Pine	Medium	Variable	Variable
White Oak	4	Pole	7		Bigtooth Aspen	Medium	Variable	Variable
Bigtooth Aspen	6	Log/Pole	11	56	Beech	Trace	Variable	Variable
White Pine	68	Pole/Log	9	70				

124 3303 - Mixed Low Density Trees None 12.5 No

Sub-Canopy Species	Density	Avg. Height	Size
Poverty Grass	High	Not Applicable	Not Applicable
White Oak	Low	>20 feet	>20 feet
Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable
Bracken Fern	High	Not Applicable	Not Applicable
White Pine	Trace	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
Black Cherry	Trace	>20 feet	>20 feet
Red Oak	Trace	>20 feet	>20 feet
St. Johns Wort	Low	Not Applicable	Not Applicable
Aspen (spp.)	Medium	>20 feet	>20 feet

Ground cover data are from 2005. Bracken fern with poverty grass underneath. Wolfy, open grown white pine. There are some WP samplings in the understory. South lobe is heavily furrowed from past use in fire plow training. Shore-to-Shore Trail crosses the south end of the stand.

125 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Well 71.8 69 141-170 N/A Large crowned veteran RO (some WO) throughout. Wintergreen & blueberry. Avg BA 2025 is 170, but BA range is 150-220.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Log/Pole	11		White Oak	Trace	10 - 20 feet	10 - 20 feet
Beech	1	Log	16		White Pine	Low	Variable	Variable
Red Oak	15	XLog/Log/Pole	20		Red Oak	Trace	10 - 20 feet	10 - 20 feet
White Oak	2	Log/Pole/XLog	10					
Quaking Aspen	2	Log/Pole	15					
White Pine	5	Log/Pole	12					
Red Pine	72	Log/Pole	10	69				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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126 42111 - Planted Red Pine, Mixed Deciduous Poletimber Well 18.8 69 141-170 N/A RO and RM stump sprouts. Average DBH is larger in south 1/2.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Red Oak	15	Log/XLog/Pole	16	
White Oak	1	Log	11	
Bigtooth Aspen	2	Log/Pole	11	
White Pine	3	Log/Pole	10	
Red Pine	74	Pole	8	69

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

127 42200 - Natural White Pine Sawtimber Well 23.5 71 141-170 N/A Some veteran RO, WP, and beech. WP in all age/size classes. Wintergreen, blueberry.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Log/Pole	10	
Beech	1	Log	14	
Red Oak	10	Log/XLog	12	
Quaking Aspen	6	Pole	6	
Bigtooth Aspen	4	Pole	8	
White Pine	75	Log/Pole	14	71
Red Pine	1	XLog/Log	21	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Medium	Variable	Variable

128 4130 - Aspen Sapling Well 17.3 6 N/A Clearcut in February 2020, retaining scattered oaks and pines, plus two small retention islands. NE 1/3 originally dominated by quaking aspen, SW 2/3 mostly bigtooth. There is a moderate amount of browsing on the aspen that is within browse height.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	6	Pole/Log	9	
Quaking Aspen	28	Sapling	2	
Bigtooth Aspen	57	Sapling	2	6
White Pine	9	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Oak	Low	< 5 feet	< 5 feet

129 4130 - Aspen Sawtimber Well 12.8 65 111-140 N/A Basal area is fairly distributed, but there are a few pockets with low BA.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Beech	1	Pole	8	
Red Oak	7	Log/XLog/Pole	17	
White Oak	3	Log	12	
Bigtooth Aspen	82	Log	11	65
White Pine	2	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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130 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Medium 27.8 69 111-140 N/A Large component of RO and WP within RP plantation. Blueberry, wintergreen. Old WP stumps. Thinned Dec. 2019.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/Pole	12	
Red Oak	10	Log/XLog	17	
White Oak	10	Log/XLog	16	
Bigtooth Aspen	1	Log	11	
White Pine	10	Log/Pole	12	
Red Pine	64	Log/Pole	10	69

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	Variable	Variable
White Pine	Low	Variable	Variable

131 4133 - Aspen, Mixed Pine Sawtimber Well 7.6 56 81-110 N/A A few veteran RO, some RM. More WP on the north end. DBH of aspen is variable between 9 and 14". BA through the stand is patchy and variable. Aspen is low quality and beginning to die out. Shore to Shore Trail runs through the East and South edges of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Pole	7	
Quaking Aspen	60	Log/Pole	11	56
Bigtooth Aspen	15	Log/Pole	12	56
White Pine	20	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Variable
Black Cherry	Low	Variable	Variable

132 3105 - Mixed Upland Herbaceous None 2.9 No Ground cover data from 2005: Mixture of bracken fern and poverty grass. One lobe has blueberry in it. Shore to Shore trail run through stand. Intersection point between trail and 2-track .

Sub-Canopy Species	Density	Avg. Height	Size
Garlic Mustard	Trace	Not Applicable	Not Applicable
White Pine	Low	>20 feet	>20 feet
Blueberry/Bilberry/Cranberry	Low	5 - 10 feet	5 - 10 feet
Poverty Grass	High	Not Applicable	Not Applicable
Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable
Bracken Fern	High	Not Applicable	Not Applicable
White Oak	Low	>20 feet	>20 feet
White Oak	Low	Variable	Variable
Red Oak	Trace	>20 feet	>20 feet
Aspen (spp.)	Low	>20 feet	>20 feet

133 42110 - Planted Red Pine Sawtimber Well 32.1 69 171-200 N/A Was row thinned. There are a some low quality aspen trees along the boundaries of the stand. There are lower BA area around the veteran RO, WO, and WP. 2025 BAs: 180, 200, 220, 210, 170. Shore to Shore trail runs through the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	XLog/Log	21	
White Oak	5	XLog/Log	20	
White Pine	2	Log/XLog	14	
Red Pine	88	Log/Pole	10	69

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
White Oak	Trace	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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134 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 22.4 88 111-140 N/A Nice multi-aged stand of natural WP with veteran oak. Occasional pockets of aspen. Trace of red pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Log/Pole	13		White Oak	Low	Variable	Variable
Beech	2	Log/Pole	11		Red Maple	Trace	>20 feet	>20 feet
Red Oak	10	XLog/Log	19		White Pine	High	Variable	Variable
White Oak	15	XLog	23					
Bigtooth Aspen	6	Pole	9	54				
White Pine	63	Log/Pole/XLog	14	88				

135 4130 - Aspen Sapling Well 7.5 18 Immature N/A Harvested in early summer of 2008.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	4	XLog/Log	18		Red Maple	Low	Variable	Variable
Bigtooth Aspen	86	Sapling	1	18	White Pine	Low	Variable	Variable
White Pine	10	Log/Pole/XLog	16		Black Cherry	Low	Variable	Variable

136 4112 - Maple, Beech, Cherry Association Sawtimber Well 14.9 81 51-80 N/A Lake Ann Pathway & riparian considerations. Stand was cut in 2009, most aspen & some red maple removed; sugar maple, birch (now dying), pine, some red maple retained. Aspen regeneration continues to be well stock, with ironwood growing underneath. An island of timber surrounding a small wetland (vernal pond) in the NW part of the stand was left uncut for retention. Small numbers of white pine, beech, and basswood.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	31	Log/Pole	12		Black Cherry	Medium	5 - 10 feet	5 - 10 feet
Red Maple	63	Log/Pole/Sap	10	81	Ironwood	High	Variable	Variable
Red Oak	2	Log/Pole	10		Red Maple	Low	Variable	Variable
Bigtooth Aspen	4	Log	15		Bigtooth Aspen	High	Variable	Variable

137 4110 - Sugar Maple Association Sawtimber Well 32.3 101 81-110 N/A A few older and seedling hemlock in places; Select cut in 2009-2010. Some BTA snags. Small patch of understory hemlock. Most of the SM understory is 2-3' DBH. Variable DBH due to previous cutting (2025: 160, 90, 120, 80).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	10	101	Beech	Low	5 - 10 feet	5 - 10 feet
Red Maple	2	Log	13		Hemlock	Trace	Variable	Variable
Basswood	19	Log	12		Sugar Maple	Medium	>20 feet	>20 feet
Beech	2	XLog/Log	20		Ironwood	Medium	Variable	Variable
Red Oak	5	Log	12					
Bigtooth Aspen	2	Log	12					

138 4130 - Aspen Sapling Well 15.0 18 Unspecified N/A Lots of old WP stumps. Most of the oak and maple stump sprouts were thinned down to 1-3 shoots per stump by volunteers in 2014. Retained WP, RO, RM, and RP individuals and scattered clumps throughout. Shore-to-Shore Trail on north border of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Sapling	1	18	White Pine	Low	Variable	Variable
Red Oak	8	XLog/Log	20					
Red Oak	2	Sapling	1	18				
Bigtooth Aspen	82	Sapling	3	18				
White Pine	5	Pole/Log/XLog	8					
Red Pine	1	Pole	7					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
139	4131 - Aspen, Oak	Sapling Medium	2.8	18	1-50	N/A	Some mature oak and other hardwoods were retained during 7/2008 harvest. Stand is not regenerating well. Aspen regen is mostly along edges, slowly filling in the cleared area, but may take several years before fully stocked. Some residual oak poles were broken by a March 2012 snowstorm. Some oak stump sprouts, but heavily browsed.																				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species																					
Beech		5	Sapling	1		White Pine																					
Red Oak		22	Log/XLog	17		Blackberry/Raspberry																					
Bigtooth Aspen		65	Sapling	2	18	Density																					
Ironwood		8	Sapling	1		Avg. Height																					
						Size																					
140	42200 - Natural White Pine	Sawtimber Medium	15.4	82	111-140	N/A	Patches of planted red pine. WP mixed sizes/ages. Gradual slope down to bog and lake.																				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species																					
Red Maple		10	Log	12		White Pine																					
Beech		2	Log/XLog/Pole	15		Beech																					
Red Oak		16	Log/Pole	12		Density																					
White Pine		65	Log/XLog/Pole	15	82	Avg. Height																					
Red Pine		7	Log/Pole	14	76	Size																					
141	4130 - Aspen	Sapling Medium	7.8	15	Immature	N/A	DBH ranges between 2 and 3 inches. Clearcut fall 2011. Red maple stump sprouts throughout. Some areas still heavily browsed, but some getting past the deer. Overall, it has made it past browse height. Scattered retained hardwoods, plus white pine in the south end of the stand.																				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species																					
Sugar Maple		3	Log/Pole	10		White Pine																					
Red Oak		1	Log	16		Red Maple																					
Bigtooth Aspen		86	Sapling	2	15	Beech																					
White Pine		10	Log/Pole	10	56	Density																					
						Avg. Height																					
						Size																					
142	4130 - Aspen	Sapling Well	6.3	7	Immature	N/A	Stand was clearcut in Dec. 2018. Scattered retention throughout, plus a narrow fringe along the adjacent bog. Retention mostly WP and SM, plus small amounts of RO, BC, PB, and BW. There is heavy deer browse, but most saplings are pushing past the browse height.																				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species																					
Sugar Maple		5	Log	10		Black Cherry																					
Bigtooth Aspen		82	Sapling	1	7	Beech																					
Bigtooth Aspen		7	Log/Pole	12		Density																					
White Pine		6	Log	10		Avg. Height																					
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143	6239 - Mixed Emergent Wetland	None	0.9			No	<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>Northern White Cedar</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Sweet Gale</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </tbody> </table>	Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Low	5 - 10 feet	5 - 10 feet	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Tamarack	Low	5 - 10 feet	5 - 10 feet	Sweet Gale	Low	< 5 feet	< 5 feet
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Tamarack		Low	5 - 10 feet	5 - 10 feet																							
Sweet Gale		Low	< 5 feet	< 5 feet																							
144	500 - Water	None	1.5			No	Bronson Lake																				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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145 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 4.2 64 111-140 N/A Was previously part of stand 108, but is now long term retention for clearcut in stand 190 to the west.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Pole/Sap/Log	8	
Beech	2	Log/Pole	10	
Red Oak	22	Log/XLog/Pole	12	117
Bigtooth Aspen	38	Pole/Sap/Log	8	64
White Pine	32	Pole/Log/XLog	9	
Red Pine	3	Pole	8	69

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	Variable	Variable

146 6239 - Mixed Emergent Wetland None 3.2 No Lakeshore.

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	High	Not Applicable	Not Applicable
Tamarack	Trace	10 - 20 feet	10 - 20 feet
Sweet Gale	Low	< 5 feet	< 5 feet
Tag Alder	High	< 5 feet	< 5 feet
Cattail spp.	Low	Not Applicable	Not Applicable
Northern White Cedar	Trace	10 - 20 feet	10 - 20 feet
Dogwood (spp.)	Low	< 5 feet	< 5 feet

147 6120 - Lowland Cedar Sawtimber Well 12.2 130 171-200 N/A Small amounts of paper birch. Fair amount of blowdown. Shore-to-Shore Trail crosses the stand, including a wooden foot bridge. Shallow stream runs through the stand, with an old RR grade paralleling the stream. Deer yarding present.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Log/Pole	11	
Yellow Birch	6	Log/Pole	11	
Basswood	2	Log/Pole	13	
Quaking Aspen	4	Log	14	
Northern White Cedar	50	Log/Pole	11	130
Hemlock	29	Pole/Log	9	
Black Ash	1	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Trace	< 5 feet	< 5 feet
Northern White Cedar	Medium	Variable	Variable
Hemlock	Low	Variable	Variable

148 4130 - Aspen Sawtimber Well 11.3 64 111-140 N/A Older, deteriorating aspen giving way to NH mix. Many cavities/CWD in aspen.2025 BAs: 160, 110, 90, 130. Lake Ann Pathway through stand. Includes a narrow uncut strip around the wetland stand 18. Larger DBH aspen to W and more pole sized aspen to E.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	8	Log	16	84
Red Maple	3	Log/Pole	16	
Basswood	4	Log/Pole	12	
Red Oak	10	Pole/Log	8	
Quaking Aspen	30	Log/Pole	14	64
Bigtooth Aspen	45	Log/Pole	14	64

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	Variable	Variable
Beech	Medium	Variable	Variable
Red Oak	Low	< 5 feet	< 5 feet
Sugar Maple	Low	Variable	Variable
White Pine	Trace	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
149	4130 - Aspen	Sawtimber Well	20.7	55	111-140	N/A	Scattered red oak, sugar maple, black cherry, beech poles. Hilly; especially in the S 1/2 with slopes going into cedar swamp. Shore-to-Shore Trail crosses the stand. Some sugar maple saplings to south end of stand with lower BA.																																																				
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150	4110 - Sugar Maple Association	Sawtimber Well	25.8	110	81-110	N/A	Trace amounts of RO, YB, BC, WP, and QA. RM and QA are on the NW end in the lower part. Small Hemlock pocket in low slope on W side of stand. Downward slope to W side. Thinned in 2010																																																				
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151	4119 - Mixed Northern Hardwoods	Sawtimber Medium	85.6	104	81-110	N/A	There is a significant amount of SM poles and saplings in regeneration pocket, mixed with IW. There is variability in sizes, primarily with entry level poles and Xlogs. SM regen is more abundant in the E 1/2 of stand. W1/2 is more BW dominated. Larger SM and BW are multi-stemmed. Shore-to-Shore Trail runs through the stand.																																																				
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152	4130 - Aspen	Sapling Well	9.1	16	Immature	N/A	Clearcut in 7/2010 under TSC #611000901. Aspen regeneration generally good, but some open patches, filling in with cherry.																																																				
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153	310 - Herbaceous Openland	None	1.2			No																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
154	4130 - Aspen	Sawtimber Medium	4.3	83	51-80	N/A	Some mortality beginning in the aspen. Succeeding to RM/WP. RR grade is south property boundary line. Steep hill down to an abrupt edge with lowland conifers and old RR grade, with no good turnaround for logging equipment, therefore slope is inoperable. This stand originally included stand 142, but this stand was left uncut as retention.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		5	Log/Pole	12		White Pine		
Red Maple		15	Log/Pole	12		Ironwood		
Bigtooth Aspen		75	Log/Pole	13	83	Beech		
White Pine		5	Log/Pole	10		Trace		
						Density		
						Avg. Height		
						Size		
155	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	3.0	90	81-110	N/A	Stream through the stand, including an old earthen dam and drained pond along the grade. RR grade is the South boundary to private property.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		20	Pole	8		White Pine		
Yellow Birch		2	Pole	8		Northern White Cedar		
Quaking Aspen		8	Log	12		Hemlock		
Northern White Cedar		45	Pole/Log	8	90	Low		
White Pine		15	Log/XLog	16		>20 feet		
Hemlock		10	Pole/Log	9		>20 feet		
156	4130 - Aspen	Sapling Well	9.9	5	Immature	N/A	Some hemlocks along old RR grade. Old wooden cabin in stand. Clearcut January 2021 with mixed scattered residual red oak, hemlock, red maple, white pine and white oak.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		15	Sapling	1		Beech		
Red Oak		1	Log	14		Low		
Bigtooth Aspen		81	Sapling	1	5	< 5 feet		
White Pine		3	Log	12		< 5 feet		
157	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	1.8	78	111-140	N/A	Riparian zone. 1-2 aspen in stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		20	Pole/Log	8		Red Maple		
Red Oak		8	Pole/Log	9		White Pine		
White Oak		5	Log	17		Low		
White Pine		67	Log/Pole/XLog	15	78	Variable		
						Variable		
158	4130 - Aspen	Poletimber Well	39.9	53	81-110	N/A	Aspen varies considerably in BA and diameter across the stand. Some blocks should be harvestable next entry period. Sparser aspen in low areas and shallow draws. Variation may be due to topography, soils, or past fire history. Remnant white/red oak and white pine throughout. Little bit of hemlock at South tip near wetland. 2025 BA: 110, 80, 120, 60, 150	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		4	Log	15		White Pine		
Beech		1	Log/Pole	13		Medium		
Red Oak		10	Log/Pole/XLog	12		White Oak		
White Oak		5	Pole/Log/XLog	9		Low		
Quaking Aspen		2	Pole	7	53	10 - 20 feet		
Bigtooth Aspen		73	Pole	9	53	10 - 20 feet		
White Pine		5	Log/Pole	14				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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159 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 16.3 114 81-110 N/A Old remnant oak and white pine over mixed polewood, and some additional white pine regenerating in understory. Stream braids present in SW part of stand. Small white pine grove S part of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Log/Pole	10		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Red Oak	40	Log/Pole/XLog	16	114	White Pine	High	Variable	Variable
White Oak	6	Log/XLog/Pole	17	114	White Oak	Medium	Variable	Variable
Bigtooth Aspen	14	Pole/Log	9	53	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Pine	37	Log/Pole/XLog	14					

160 3303 - Mixed Low Density Trees None 3.2 No Nice semi-open draw within an aspen stand. Old RR grade through stand. Stand was cut w/ objective of keeping site open.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Low	Variable	Variable
Black Cherry	Trace	>20 feet	>20 feet
Red Oak	Trace	>20 feet	>20 feet
Aspen (sp.)	Low	>20 feet	>20 feet
Aspen (sp.)	Trace	>20 feet	>20 feet
White Oak	Trace	Variable	Variable

161 4130 - Aspen Sawtimber Well 12.3 54 111-140 N/A Riparian zone. West arm of stand along creek was formerly part of stand 156, but retained when that stand was clearcut in 2021. It was merged into stand 161, but the aspen is +/- 10 years older there. There are a couple yellow birch and black cherry along the edges on the water.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Log	9		White Pine	Medium	Variable	Variable
Red Oak	8	XLog/Log	19		Red Maple	Low	Variable	Variable
Quaking Aspen	3	Pole	9	54	Beech	Medium	Variable	Variable
Bigtooth Aspen	81	Log/Pole	10	54				
White Pine	5	Log/Pole	15					

162 4310 - Pine, Oak Mix Sawtimber Well 3.6 73 81-110 N/A Remnant white pine and oak trees over mixed regeneration poletimber/advanced saplings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	9		White Oak	Medium	>20 feet	>20 feet
Red Oak	30	Log/Pole/XLog	10		White Pine	Medium	Variable	Variable
White Oak	5	XLog	25					
Bigtooth Aspen	15	Pole	7					
White Pine	45	Pole/Log	9	73				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
164	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	17.2	57	81-110	N/A	Nice oak-pine mix. Some small openings within stand. Thinned January 2021, residual BA about 90. Some of the beech regeneration was advanced and about 2" DBH.																																																		
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165	4119 - Mixed Northern Hardwoods	Sawtimber Medium	8.5	109	51-80	N/A	Much of the remnant overstory is poor quality, but some of the red oak are decent. Parcel acquired recently from private party, and notes on file indicate a timber sale by that party in or about 1988. Southern most part of stand has advanced beech and ironwood regeneration.																																																		
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166	4310 - Pine, Oak Mix	Sawtimber Well	9.2	81	141-170	N/A	Some younger poles in N part of stand. There are a few veteran WP and RO scattered throughout the stand. There is an active (4/2025) red shouldered hawks nest at S. boundary of stand and stand 167. Old RR grade through stand.																																																		
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167	4130 - Aspen	Sawtimber Well	6.6	60	141-170	N/A	West half of stand was cut in 2021, is now stand 184. Advanced SM regeneration starting to grow in patches. There is a fair amount of poles and advanced regeneration (2-3"). There is an active (4-2025) red-shoulder hawk nest along N. boundary shared with stand 166. Survey records are inconclusive for the property line on the south edge of this stand; may be a jog in the line due to conflicting prior surveys and/or E1/4 corner re-monumentation.																																																		
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168	6220 - Alder/Willow	None	10.4			No	Platte River and floodplain. Snags along water edge. Beaver dam about half way through stand and beaver hut.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
169	4111 - S.Maple, Hard Mast Association	Sawtimber Poor	20.6	84	51-80	N/A	Formerly part of stand 148; this part of that parent stand was harvested in Dec. 2018. Dead ash stands distributed across the stand, as well as some tall grouse stumps. Aspen regeneration is only in the NE lobe.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		66	Log/Pole	13	84	Beech		
Red Maple		7	Log	14		Aspen (spp.)		
Basswood		10	Log/Pole	14		Black Cherry		
Red Oak		15	Log/Pole	12		Sugar Maple		
Black Cherry		2	Log	13		White Ash		
						Ironwood		
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						Trace	< 5 feet	< 5 feet
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						High	< 5 feet	< 5 feet
						Medium	< 5 feet	< 5 feet
170	4130 - Aspen	Sapling Well	10.7	6		N/A	Clearcut Jan. 2019. Steep slopes along S and W boundary of stand. Retention pockets contains RM , SM, BTA and RO. Also some scattered individual retained trees, mostly oak and cherry. Lots of woody thorn plants throughout whole stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		2	Pole	9		Black Cherry		
Red Oak		10	Pole	8		Beech		
Bigtooth Aspen		82	Sapling	1	6			
White Pine		2	Pole	6				
Black Cherry		4	Pole	8				
						Density	Avg. Height	Size
						Low	5 - 10 feet	5 - 10 feet
						Low	< 5 feet	< 5 feet
171	4130 - Aspen	Sapling Well	6.8	7	Immature	N/A	Clearcut in January 2019 (61-005-17). One retention island, plus scattered individual trees retained: RO, SM, BC, WP. There are a few small pockets with sparse regeneration and filled with raspberry/blackberry.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		4	Pole	8		Black Cherry		
Red Oak		15	Log/Pole	12		Beech		
Bigtooth Aspen		75	Sapling	1	7	Red Oak		
White Pine		5	Pole/Log	9				
Black Cherry		1	Pole	9				
						Density	Avg. Height	Size
						Trace	10 - 20 feet	10 - 20 feet
						Trace	5 - 10 feet	5 - 10 feet
						Trace	10 - 20 feet	10 - 20 feet
172	4130 - Aspen	Sapling Well	8.2	7	1-50	N/A	Clearcut Jan. 2019 (61-0005-17). Two retention islands plus some scattered individual BC, RO, and WP retained.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		85	Sapling	1	7	Beech		
Bigtooth Aspen		10	Pole	9		Ironwood		
White Pine		3	Log	12				
Black Cherry		2	Pole	8				
						Density		Avg. Height
						Low	5 - 10 feet	5 - 10 feet
						Low	Variable	Variable
173	42110 - Planted Red Pine	Sapling Well	22.3	5	Immature	N/A	2024 - Stand was release sprayed with drone completed 9/21/20242024 - Stand passed year 3 regeneration check on 9/18/2024. There are an estimated 747 TPA and stand is currently 96% free to grow at this time. 2022 Fall - - 10/25/2022 Stand's First Year Regen Survey was completed; Stand has an estimated 798 trees per acre and is 71% free to grow at this time. 2022 Spring - Stand Was Planted to Red Pine 5/9/2022Clearcut in late 2019. Two retention islands, plus some scattered residual RO and WO. Slash piles were left around the periphery to help clear the site for replanting and to provide habitat.	
Canopy Species		% Cover	Size Class	DBH	Age			
Sugar Maple		4	Sapling	1	5			
Red Pine		96	Sapling	1	5			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
174	4139 - Aspen, Mixed Deciduous	Sawtimber Well	1.9	89	81-110	N/A	This stand was formerly attached with stand 142, which was clearcut in 2019, leaving this stand as uncut retention. Stand is on an east-facing slope adjacent to a bog. Some aspen starting to die out due to age.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		4	Log/Pole	13		White Pine		
Red Maple		21	Log/Pole	13		Red Maple		
Red Oak		2	Log	14		Beech		
Quaking Aspen		4	Log	12		Density		
Bigtooth Aspen		55	Log	15	89	Avg. Height		
White Pine		14	Log/Pole	12		Size		
175	4130 - Aspen	Sapling Well	14.8	6	Immature	N/A	Clearcut in January 2020. 3 retention islands plus scattered residual white pine, red oak, white oak.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		2	Log	10		Red Maple		
White Oak		1	Log	10		White Pine		
Bigtooth Aspen		2	Pole	5		Beech		
Bigtooth Aspen		93	Sapling	1	6	Density		
White Pine		2	Log	10		Avg. Height		
						Size		
176	4130 - Aspen	Sapling Well	21.9	5	Immature	N/A	Clearcut winter 2020-21 (61-080-17). Two retention islands, plus all oak, red pine, and all white pine >18" retained.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		2	Log/XLog/Pole	13		Red Maple		
White Oak		1	Pole	6		White Pine		
Bigtooth Aspen		90	Sapling	1	5	Beech		
White Pine		5	Log/XLog	13		Density		
Red Pine		2	Log	14		Avg. Height		
						Size		
177	4130 - Aspen	Sapling Well	15.9	6	Immature	N/A	Clearcut in Feb. 2020, with 2 retention islands.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		3	Log	10		Red Oak		
Bigtooth Aspen		1	Pole	5		White Pine		
Bigtooth Aspen		94	Sapling	1	6	Density		
White Pine		2	Log	10		Avg. Height		
						Size		
178	4130 - Aspen	Sapling Well	8.8	6	Immature	N/A	Clearcut, with scattered residuals and a small retention island, in January 2020. Shore to Shore trail is along the north boundary of stand. RO sapling show evidence of browsing.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		7	Log/Pole	10		Beech		
Bigtooth Aspen		90	Sapling	1	6	Red Oak		
White Pine		3	Log/Pole	11		White Pine		
						Density		
						Avg. Height		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
179	4310 - Pine, Oak Mix	Sawtimber Medium	10.2	70	81-110	N/A	Thinned in April 2020. Manage long term for uneven-aged pine/oak type. RP is only on E 1/2 of stand and seem to be remnants of an old plantation.																																															
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180	4130 - Aspen	Sapling Well	4.7	6	Immature	N/A	Clearcut in March 2020 with a retention island in the middle.																																															
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181	4130 - Aspen	Sapling Well	12.5	6	Immature	N/A	Clearcut in February 2020 with scattered residuals RO & WP and two small retention islands. There is mature Aspen within the retention islands.																																															
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182	4130 - Aspen	Sawtimber Medium	14.9	56	51-80	N/A	Lots of old WP stumps. Low quality sparse aspen, but bigger and more well stocked at north end of stand. South half is most oak and pine. Shore-to-Shore Trail runs through the stand.																																															
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183	4130 - Aspen	Sapling Well	14.1	6	Immature	N/A	Clearcut with some residual pine and oak, January 2020. Moderate deer browsing on BTA. Few small pockets within the stand that have little to no regeneration.																																															
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184	4130 - Aspen	Sapling Well	5.0	5	Immature	N/A	Clearcut in January 2021 with residuals, including several old oaks. There is a small patch where the right lobe connects to the base of the stand, where there is not regeneration.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
185	4130 - Aspen	Sapling Well	22.1	6	Immature	N/A	Clearcut in March 2020 with residual scattered oaks, conifers; 2 retention islands in SE of the 3 parts of stand. Some uncut trees on edges near wetlands.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		6	Pole	5		White Pine		
White Oak		2	Pole	5		Balsam Fir		
Quaking Aspen		1	Pole	5		Beech		
Bigtooth Aspen		91	Sapling	1	6	Red Oak		
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						Density		
						Avg. Height		
						Size		
						Variable		
						< 5 feet		
						< 5 feet		
						5 - 10 feet		
						10 - 20 feet		
186	4130 - Aspen	Sapling Well	8.8	6	Immature	N/A	Cut in winter 2019-2020. Very good aspen sprouting. Small mixed-species retention patch, plus retained all red oak and black cherry: pole sized, scattered throughout stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		1	Sapling	2		Beech		
Red Maple		1	Sapling	1		Density		
Red Oak		4	Pole	7	48	Avg. Height		
Bigtooth Aspen		91	Sapling/Pole	1	6	Size		
White Pine		2	Pole	6		< 5 feet		
Black Cherry		1	Pole	6	48	< 5 feet		
187	4139 - Aspen, Mixed Deciduous	Sapling Medium	6.5	6	Immature	N/A	Clearcut with residuals in fall 2020. Lots of brambles.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Log	10		Blackberry/Raspberry		
Red Oak		3	Log/Pole	10		Density		
Bigtooth Aspen		57	Sapling	1	6	Avg. Height		
Hemlock		1	Pole	5		Size		
Black Cherry		37	Sapling	1		5 - 10 feet		
						5 - 10 feet		
188	4130 - Aspen	Sapling Well	7.9	6	Immature	N/A	Clearcut in January 2020. Retained a small island of aspen and a strip along the bog, plus some scattered oak and conifers.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Oak		5	Pole	5				
Bigtooth Aspen		3	Pole	5				
Bigtooth Aspen		92	Sapling	1	6			
189	4110 - Sugar Maple Association	Sawtimber Medium	39.0	101	51-80	N/A	Select harvest in Jan 2020. There is a large amount of SM poles (still more logs though). Few clumps of raspberry along skid trails or in more open areas. The WA saplings had heavy deer browsing. Most of SM saplings are over browse height at about 2" DBH. 2025 BA: 100, 70, 50, 120, 70.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		65	Log/Pole	10	101	White Ash		
Basswood		25	Log/Pole	12		Sugar Maple		
Red Oak		6	XLog/Log	19		Beech		
White Pine		2	Pole	9		Ironwood		
Black Cherry		2	Log/Pole	12		Density		
						Avg. Height		
						Size		
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						>20 feet		
						5 - 10 feet		
						< 5 feet		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
190	4130 - Aspen	Sapling Well	13.3	6	Immature	N/A	Clearcut with residuals winter/spring 2020. Retained mature timber between E-W dirt road and south end of the cut, and between Lake Ann Rd. and the powerline ROW (now stand 145).	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		1	Pole	7		White Pine		
Red Oak		1	Log	10		Red Maple		
White Oak		1	Log	10		Beech		
Bigtooth Aspen		96	Sapling	1	6			
White Pine		1	Log	15				
191	4130 - Aspen	Sapling Medium	26.0	4	Immature	N/A	Stand was final harvested in 2023. BTA regeneration is heavily browsed and is less than 5ft tall. Scattered oak and retention islands w/ BTA, oak, and WP were left. Tall grouse stumps were made during cutting operations.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		5	Sapling	1				
Red Oak		3	Log/Pole/XLog	14				
White Oak		3	XLog	26				
Bigtooth Aspen		84	Sapling	1	4			
White Pine		5	Log/Pole	10				
192	6120 - Lowland Cedar	Sawtimber Well	18.6	121	141-170	N/A	Cedar swamp along flood plains to Mud Lake and Platte River. Fair amount of down dead wood through whole stand. Yellow birch snags present. There is a small stream that runs through the north part of stand, and areas with sitting water. Tag alder grown in patches.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		6	Log	12		White Pine		
Yellow Birch		2	Log/Pole	10		Balsam Fir		
Red Oak		1	Log	15		Tag Alder		
Paper Birch		2	Pole	7		Beech		
Balsam Fir		4	Log/Pole	11		Hemlock		
Northern White Cedar		63	Log/Pole	10	121			
White Pine		14	XLog	24				
Hemlock		8	Log	14				