

# Compartment Review Presentation

## Traverse City Forest Management Unit

Compartment 61011

Entry Year: 2027

Acreage: 2,896

County: Benzie

Management Area: Grand Traverse Moraine

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**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:**

**The following reports from the Inventory are attached:**

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

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

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



# Cover Type & Treatments Map

Compartment: 61011  
T27N,R13W Sec. 25-27,34-36  
County: Benzie  
Unit: Traverse City  
Mgmt. Area: Grand Traverse Moraine  
YOE: 2027  
Acres: 2,896 GIS Calculated  
Examiner: Melina Hurin  
Date Exported: 7/1/2025  
Map Phase: Web Post



0 0.5 1 Miles

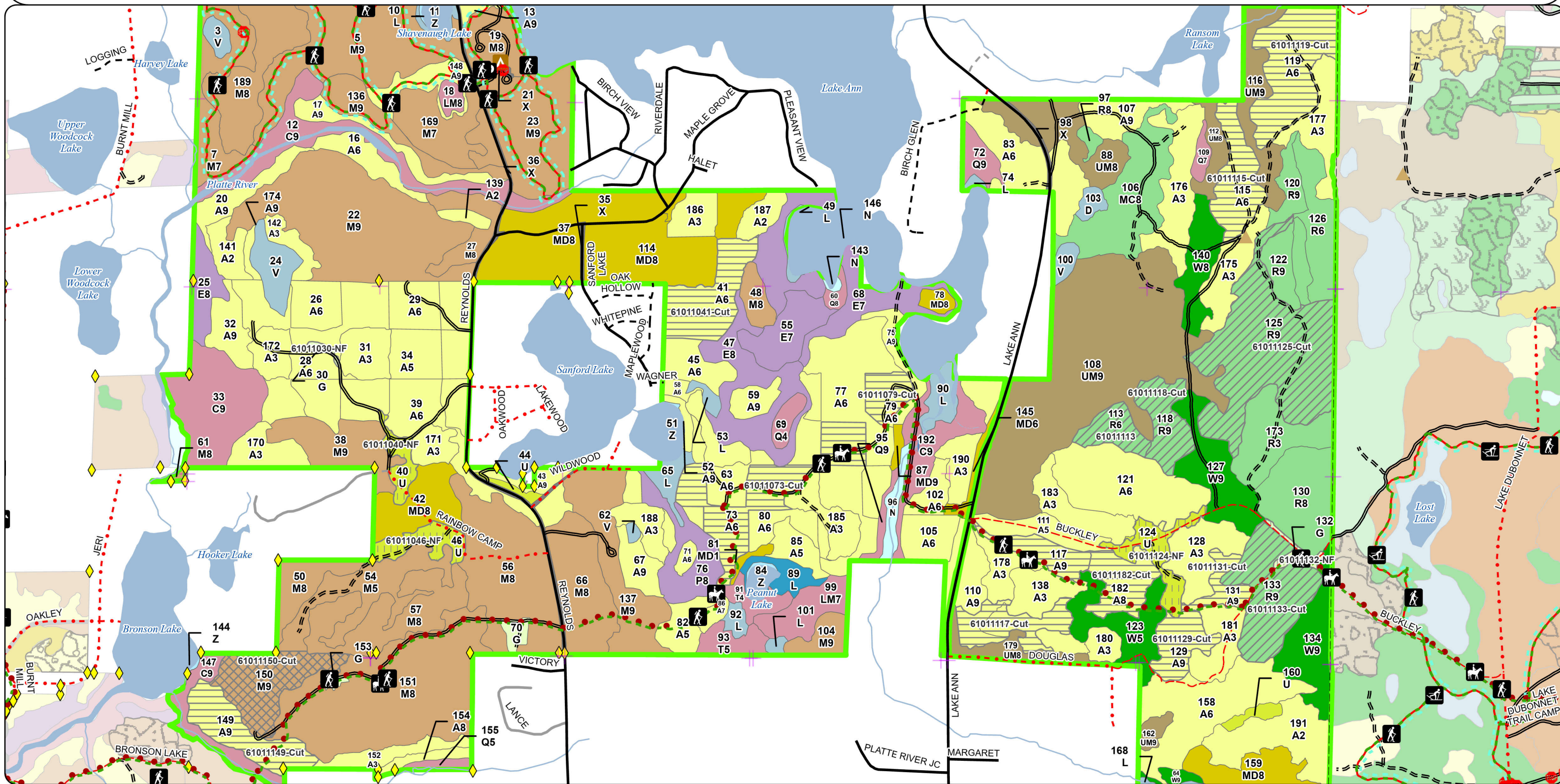
- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Culvert
- Campground
- Parking Lot
- Sign
- Trailhead

- Designated Bicycle Trails
- Designated Equestrian 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
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Selection

- Thinning
- Openings Mgmt.
- 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





# Stand Boundary Map

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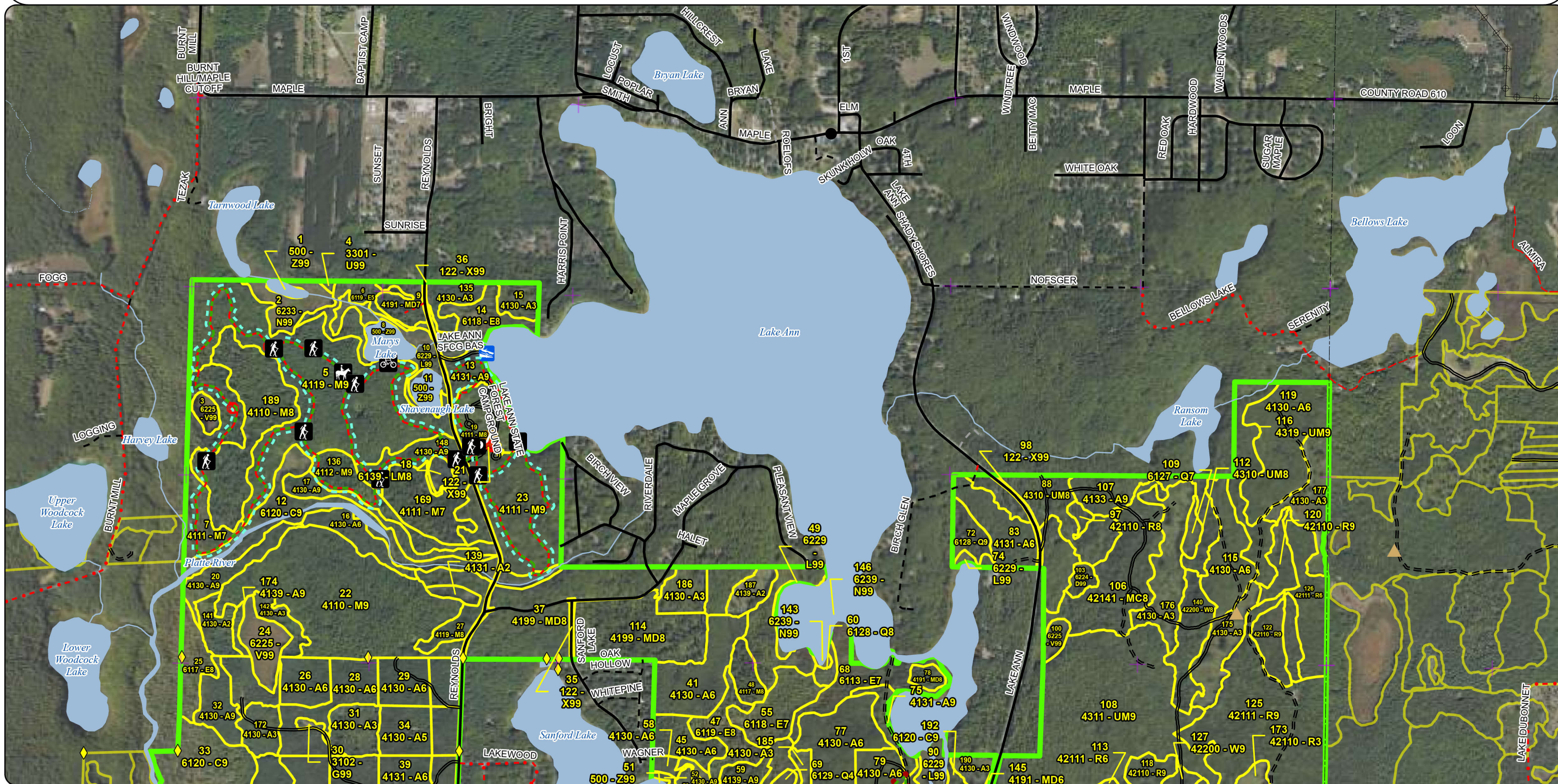
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- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Boating Access Site
- Campground
- City
- Parking Lot
- Sign

- Trailhead
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Hiking Pathways
- 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
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Powerline
- Compartment Boundary

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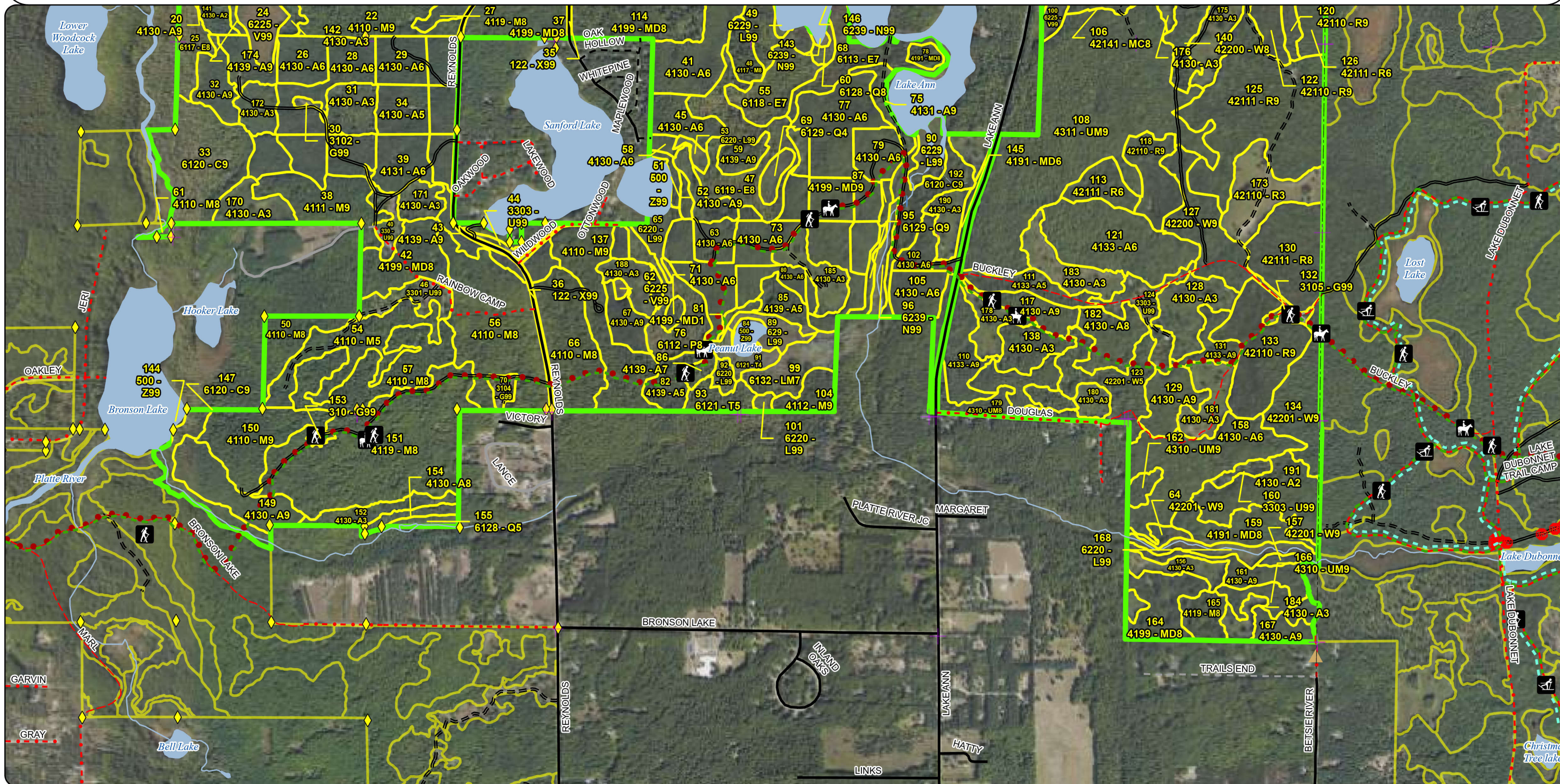
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- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Culvert
- Sign
- Designated Bicycle Trails
- Designated Equestrian Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- Federal / State / County - Paved Road
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- Private - Paved Road
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- Lakes and Rivers
- Counties








- Compartment Boundary
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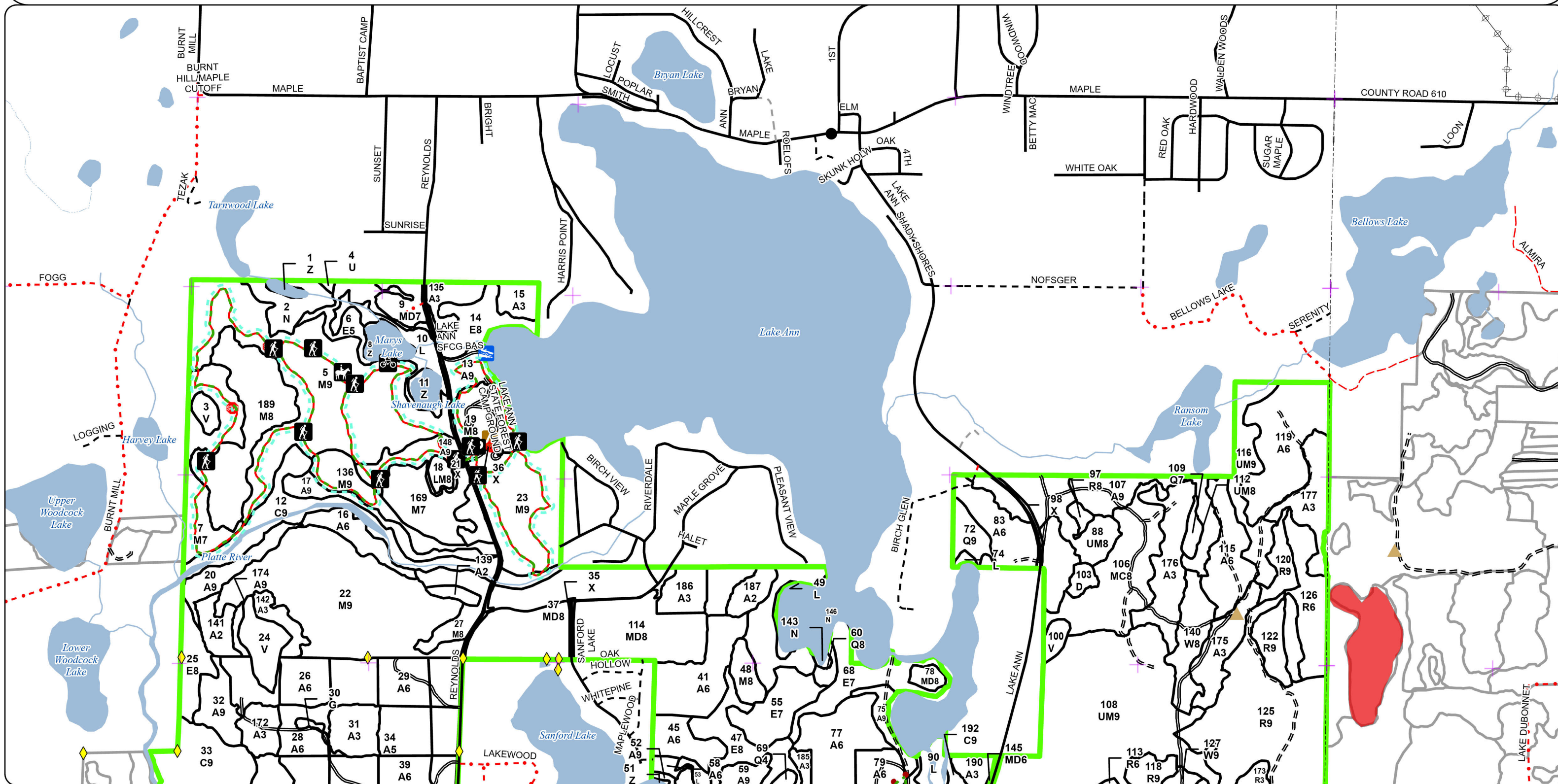




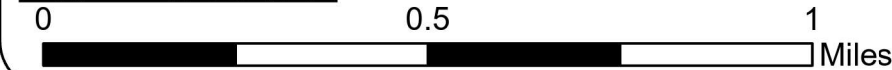
A horizontal scale bar with a black background and white markings. It is divided into four equal segments by three white vertical lines. The first segment is labeled '0' at its left end, the second segment is labeled '0.5' at its right end, and the third segment is labeled '1' at its right end. The word 'Miles' is written in white at the far right end of the bar.



























-  Sign
-  Trailhead
-  Designated Bicycle Trails
-  Designated Equestrian Trails
-  Designated Hiking Pathways
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route

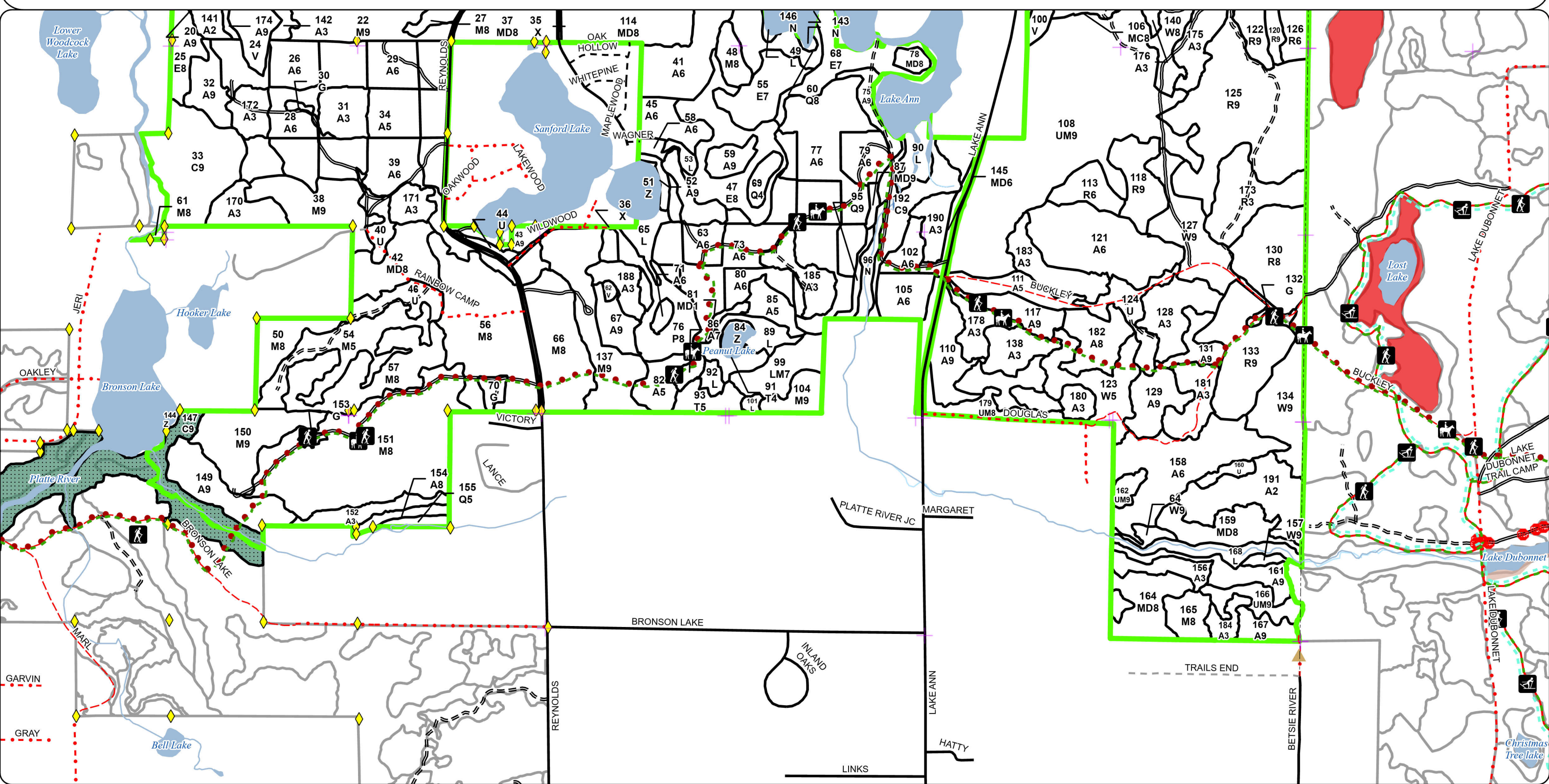
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|    | Federal / State / County - Paved Road |    | Lakes and Rivers           |
|    | Federal / State - Dirt / Gravel Road  |    | Counties                   |
|    | County - Gravel Road                  |    | Powerline                  |
|  | County - Dirt Road (Seasonal)         |  | Compartment Boundary       |
|  | Private - Dirt / Gravel Road          |  | Stand Boundaries           |
|  | Intermittent Stream                   |  | Ecological Reference Areas |
|  | Perennial River                       |  | Cold Water Streams         |







- |   |                              |   |                                       |   |                               |   |                            |
|---|------------------------------|---|---------------------------------------|---|-------------------------------|---|----------------------------|
|    | Remonumented Section Corners |    | Designated Equestrian Trails          |    | County - Dirt Road (Seasonal) |    | Compartment Boundary       |
|  | Survey Grade Corners         |  | DNR - Secondary Forest Road           |  | Private - Paved Road          |  | Stand Boundaries           |
|  | Berms                        |  | DNR - Forest Access Route             |  | Private - Dirt / Gravel Road  |  | Ecological Reference Areas |
|  | Culvert                      |  | Federal / State / County - Paved Road |  | Intermittent Stream           |  | SCA                        |
|  | Sign                         |  | Federal / State - Dirt / Gravel Road  |  | Perennial River               |  | Cold Water Streams         |
|  | Designated Bicycle Trails    |  | County - Gravel Road                  |  | Lakes and Rivers              |  | Wildlife Research Areas    |
|   |                              |   |                                       |  | Counties                      |  | Vernal Pool                |



# 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	157	88	21	25	17	5	0	0	0	0	0	49	1018
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	0	37	52	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	7	0	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	110	28	334	13	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	21	3	15	0	0	0	0	0	0	0	48	87
Total	177	281	52	0	169	180	174	327	105	208	83	364	131	111	30	0	37	471	2893

## 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	Oversory 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	33	0	390
Next Step	0	0	0	0	0	228	0	0	0	228
Total	357	0	0	0	0	228	0	33	0	618



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Proposed Treatments:**

119	61011119-Cut	33.8	4130 - Aspen	6	50	111-140	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
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Prescription 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 legacy trees.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable primarily aspen, with some white pine and oak

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

40	61011040-NF	6.7	330 - Low-Density Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
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Prescription 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 mast producing trees and shrubs and/or conifers for wildlife food and cover.

Next Step

Treatments:

Acceptable

Regen:

Other Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

41	61011041-Cut	23.4	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees, expect for sugar maple. Leave 1-2 retention islands. Include drumming log spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>46 61011046-NF</b>	9.6	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<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 mast producing trees and shrubs and/or conifers for wildlife food and cover. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <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. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>73 61011073-Cut</b>	34.7	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> primarily aspen, some white pine, red oak, and red maple are expected. <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. This area should be included with stand 77 of stand 63 when cut. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>79 61011079-Cut</b>	8.7	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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 it becomes worse, then retention should be consider along the rd to minimize it. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> aspen, some red oak and red maple are expected. <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>115 61011115-Cut</b>	19.0	4130 - Aspen	6	60	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</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. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Primarily aspen with some white pine and red oak <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>117 61011117-Cut</b>	26.5	4130 - Aspen	9	75	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</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 per acre isn't achieved. Include trail protection spec and drumming log spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Primarily aspen, with some red/white oak and white pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>30 61011030-NF</b>	1.2	3102 - Grass	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<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 mast producing trees and shrubs and/or conifers for wildlife food and cover. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <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. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>118 61011118-Cut</b>	15.1	42110 - Planted Red Pine	9	68	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</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. Preserve small natural opening (about 1/4 of an acre). <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>182 61011182-Cut</b>	14.9	4130 - Aspen	8	55	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees, expect for any oak or pine 18 in. DBH or larger. Include trail protection and drumming log spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> primarily aspen with some white pine and oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>124 61011124-NF</b>	12.6	3303 - Mixed Low Density Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<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 for wildlife food and cover. Work around some of the existing beneficial vegetation to create a wildlife food plot of appropriate herbaceous species suited to site and soil conditions, with fertilization. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <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. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>125 61011125-Cut</b>	71.8	42111 - Planted Red Pine, Mixed Deciduous	9	68	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<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 these if it will be in the way of logging operations. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>129 61011129-Cut</b>	12.8	4130 - Aspen	9	64	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees, expect for any red oak 18 in. DBH or larger. Include trail protection spec and drumming log spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Majority of the regeneration should be aspen. Some red oak, red maple, and white pine regen scattered throughout stand is acceptable. <u>Regen:</u> <u>Other</u> Be aware of Shore to Shore hiking & equestrian trail that it near/along the north boundary. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>131 61011131-Cut</b>	7.6	4133 - Aspen, Mixed Pine	9	55	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees, but leave behind a few scattered white pines logs. Include drumming log spec and trail protection spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen with some oak and white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>132 61011132-NF</b>	2.9	3105 - Mixed Upland Herbaceous	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<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 for wildlife food and cover. <u>Specs:</u> Work around some of the existing beneficial vegetation to create a wildlife food plot of appropriate herbaceous species suited to site and soil conditions, with fertilization. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <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. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>133 61011133-Cut</b>	32.1	42110 - Planted Red Pine	9	68	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<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 logging. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>149 61011149-Cut</b>	20.7	4130 - Aspen	9	54	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<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). <u>Specs:</u> Include drumming log spec. Treatment boundary will likely need to be adjusted due to some steeper slopes edging stand 147, and area left out could be used as the retention. Include trail protection spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> primarily aspen with some white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>150 61011150-Cut</b>	25.8	4110 - Sugar Maple Association	9	109	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<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 <u>Specs:</u> poor quality stems. Do not cut any hemlock. There is little to no advanced regeneration within the stand, so the overall goal is to open up the canopy to more sunlight and/or incorporate some more aspen regeneration from neighboring clearcut. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> mixed hardwood, aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>118 61011113</b>	9.8	42110 - Planted Red Pine	9	68	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<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 <u>Specs:</u> logging operations. Leave behind large DBH hardwoods, and only mark these if it will be in the way of operations. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

**Total Treatment** 389.7  
**Acreage Proposed:**





Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

					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



3	Unavailable	3D: Recreational/scenic values	208	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 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
<b>Comments:</b>							
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
<b>Comments:</b>							
6	Unavailable	3D: Recreational/scenic values	7	3J: Water quality/BMPs (stream, river, or lake)	5B: Maintain for regeneration purposes	Unspecified	Unspecified
<b>Comments:</b> 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
<b>Comments:</b>							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	4A: No markets available for these forest products	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions



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



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



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



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.							

## Report 4 – Site Conditions



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

## Report 4 – Site Conditions



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



68	Unavailable	2F: Too steep	9	3J: Water quality/BMPs (stream, river, or lake)	3D: Recreational/scenic values	Unspecified	Unspecified
<b>Comments:</b> 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
<b>Comments:</b>							
70	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 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
<b>Comments:</b> 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
<b>Comments:</b> Bog adjacent to Lake Ann Pathway.							
76	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions



78	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
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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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	500 - Water	Unspecifed	1.8			No	Tarnwood Lake			
2	6233 - Wet Meadow	Unspecifed	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.			
3	6225 - Bog	Unspecifed	3.5			No	Snags and blowdowns. Very open bog.			
4	3301 - Low Density Deciduous Trees	Unspecifed	0.6			No	Small bit of upland opening on state side of property line. Ground cover data from 2005 survey.			
5	4119 - Mixed Northern Hardwoods	Sawtimber Well	100.3	100	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.			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Black Cherry	3		13		Sugar Maple		Low	>20 feet	>20 feet
	Basswood	19		12		Beech		Low	Variable	Variable
	Sugar Maple	50		10	100	Ironwood		Medium	Variable	Variable
	Paper Birch	1	Seedling	9		Ironwood		Low	>20 feet	>20 feet
	Bigtooth Aspen	17		16	81					
	Beech	2		13						
	Red Oak	6		18						
	Quaking Aspen	2		16						

**DUERRG**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
11	500 - Water	Unspecifed	4.0			No	Shavenaugh Lake. 2005 comments: Appears to be a little shallower and has more waterlilies than other ponds that are close by.			
12	6120 - Lowland Cedar	Sawtimber Medium	33.5	95	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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		12		16	95	Red Maple		Low	>20 feet	>20 feet
Red Maple		10		9		Beech		Low	Variable	Variable
Paper Birch		2		8		Northern White Cedar		Low	>20 feet	>20 feet
Northern White Cedar		60		11	95					
Hemlock		8		16						
Yellow Birch		2		8						
Quaking Aspen		6		14						
13	4131 - Aspen, Oak	Poletimber Well	6.8	67	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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		5	Seedling	9	67	Beech		Low	< 5 feet	< 5 feet
Red Oak		22		9		Maple (spp.)		Medium	>20 feet	>20 feet
Sugar Maple		3		15		White Pine		Trace	Variable	Variable
Red Maple		8	Seedling	9		Ironwood		Low	Variable	Variable
Paper Birch		2		10						
Bigtooth Aspen		55		10	67					
White Pine		5		15						
14	6118 - Lowland Deciduous with Cedar	Sawtimber Medium	14.7	114	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.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Basswood		18		16		Black Ash		Medium	Variable	Variable
Red Maple		35		10	114	Beech		Trace	5 - 10 feet	5 - 10 feet
Paper Birch		4		10		White Pine		Low	5 - 10 feet	5 - 10 feet
Red Oak		2		10		Red Maple		Medium	Variable	Variable
Northern White Cedar		31		14		Spicebush		Medium	5 - 10 feet	5 - 10 feet
Yellow Birch		6		8						
Quaking Aspen		4		16						
15	4130 - Aspen	Sapling Medium	6.2	8	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).			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		4		10		Beech		Low	Variable	Variable
Sugar Maple		2		11		White Pine		Trace	Variable	Variable
Red Maple		3		11						
Bigtooth Aspen		90	Log	2	8					
White Pine		1	Seedling	9						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
16	4130 - Aspen	Poletimber Well	9.8	59	111-140	N/A	Trace amounts of red oak, black cherry. River floodplain.																																																															
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17	4130 - Aspen	Sawtimber Well	10.6	96	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.																																																															
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18	6139 - Mixed Lowland Forest	Sawtimber Medium	3.1	83	51-80	N/A	Blueberry & leatherleaf. Deciduous and pools on edges, conifers in middle. Numerous snags and CWD.																																																															
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19	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	15.5	90	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 tra 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																																																															
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20	4130 - Aspen	Sawtimber Well	10.5	88	111-140	N/A	Riparian area - on steep bank along Platte River.																																																															
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21	122 - Road/Parking Lot	Unspecified	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																																																																	
22	4110 - Sugar Maple Association	Sawtimber Well	82.8	109	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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23	4111 - S.Maple, Hard Mast Association	Sawtimber Well	47.7	83	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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24	6225 - Bog	Unspecified	11.2	No	Dead XL snags and fallen WP/BS throughout. Ground cover info is mostly from 2005.																																																																				
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25	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	11.0	126	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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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
26	4130 - Aspen	Poletimber Well	10.7	47	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
Black Cherry	4	Seedling	7	47	Black Cherry	Trace		Variable	Variable
Red Oak	5		9	47	Beech	Low		5 - 10 feet	5 - 10 feet
Sugar Maple	8	Sapling	5	47	Ironwood	Medium		>20 feet	>20 feet
Bigtooth Aspen	60		9	47	Sugar Maple	Low		Variable	Variable
Quaking Aspen	23		9	47	Bigtooth Aspen	Medium		Variable	Variable
27	4119 - Mixed Northern Hardwoods	Sawtimber Medium	11.5	95	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
Basswood	2		12		Beech	Medium	5 - 10 feet		5 - 10 feet
Sugar Maple	17		11		White Pine	Trace	10 - 20 feet		10 - 20 feet
Red Maple	43		12	95	Ironwood	Low	< 5 feet		< 5 feet
Bigtooth Aspen	6		14	90	Bigtooth Aspen	Trace	10 - 20 feet		10 - 20 feet
Beech	2		8		Maple (spp.)	Low	Variable		Variable
Red Oak	30		10						
28	4130 - Aspen	Poletimber Well	34.9	37	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
Bigtooth Aspen	33	Seedling	7	37	White Pine	Trace		5 - 10 feet	5 - 10 feet
Red Oak	10		10	37	Black Cherry	Trace		10 - 20 feet	10 - 20 feet
Quaking Aspen	45	Seedling	7	37	Ironwood	High		Variable	Variable
White Pine	2		11		Beech	Medium		5 - 10 feet	5 - 10 feet
Black Cherry	10	Seedling	8	37	Sugar Maple	Medium		Variable	Variable
					Bigtooth Aspen	Medium		Variable	Variable
29	4130 - Aspen	Poletimber Well	11.1	47	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
Black Cherry	3	Seedling	7		Black Cherry	Low		>20 feet	>20 feet
White Oak	1	Seedling	5		Sugar Maple	Low		>20 feet	>20 feet
Red Oak	14		10		Ironwood	Medium		Variable	Variable
Sugar Maple	2		9						
Red Maple	2		9						
Bigtooth Aspen	48		9	47					
Quaking Aspen	30		8	47					

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
30	3102 - Grass	Unspecified	1.2				No	Open grassy area with low density trees.2 track running through it with a turn around loop.					
									Sub-Canopy Species	Density	Avg. Height	Size	
									Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
									Bracken Fern	Medium	Not Applicable	Not Applicable	
									Quaking Aspen	Low	>20 feet	>20 feet	
									Spotted Knapweed	High	Not Applicable	Not Applicable	
									Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
									Mixed Grasses	High	Not Applicable	Not Applicable	
									Red Oak	Trace	10 - 20 feet	10 - 20 feet	
									St. Johns Wort	Low	Not Applicable	Not Applicable	
Black Cherry	Trace	>20 feet	>20 feet										
31	4130 - Aspen	Unspecified	10.9	6		Immature	N/A	Clearcut in January, 2019. Two retention islands, plus scattered individual white pine and oak retained. Small patches of raspberry/blackberry/thorns.					
									Canopy Species	% Cover	Size Class	DBH	Age
									White Pine	4		11	
									Sugar Maple	4		10	
									Bigtooth Aspen	80	Log	1	6
									Bigtooth Aspen	2		10	
									Red Oak	10		11	
									Sub-Canopy Species	Density	Avg. Height	Size	
									Beech	Trace	Variable	Variable	
									Red Oak	Low	Variable	Variable	
32	4130 - Aspen	Poletimber Well	18.8	47		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. .					
									Canopy Species	% Cover	Size Class	DBH	Age
									White Pine	1		11	
									Black Cherry	2	Seedling	8	47
									Beech	1	Seedling	5	
									Red Maple	10	Seedling	8	47
									Bigtooth Aspen	81		10	47
									Quaking Aspen	5		9	47
									Sub-Canopy Species	Density	Avg. Height	Size	
									Sugar Maple	Medium	>20 feet	>20 feet	
Bigtooth Aspen	Low	Variable	Variable										
Ironwood	Medium	>20 feet	>20 feet										
Beech	Low	10 - 20 feet	10 - 20 feet										
33	6120 - Lowland Cedar	Sawtimber Well	36.7	152		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.					
									Canopy Species	% Cover	Size Class	DBH	Age
									Beech	1		9	
									Northern White Cedar	55		10	152
									Hemlock	10		12	
									Red Maple	10		12	
									Bigtooth Aspen	1		14	
									White Pine	18		26	145
									Balsam Fir	2		10	
									Yellow Birch	3		10	
Sub-Canopy Species	Density	Avg. Height	Size										
Cattail spp.	High	Not Applicable	Not Applicable										
Northern White Cedar	Medium	>20 feet	>20 feet										
Conifers	Low	Variable	Variable										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
34	4130 - Aspen	Poletimber Medium	32.4	37	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.		
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>	<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Black Cherry		2	Seedling	7	37	Black Cherry	Low	10 - 20 feet	10 - 20 feet
Sugar Maple		2	Sapling	5		Ironwood	Medium	Variable	Variable
Red Maple		2	Sapling	5	37	Red Oak	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		50	Sapling	5	37	Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Red Oak		14		10	37	Red Maple	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen		30	Pole	4	37				
35	122 - Road/Parking Lot	Unspecifed	1.2			No	East Sanford Lake Road		
36	122 - Road/Parking Lot	Unspecifed	12.5			No	Reynolds and Wildwood Roads		
37	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	51.0	112	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.		
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>	<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Basswood		2		16		Beech	High	Variable	Variable
White Oak		8		13		White Pine	Low	< 5 feet	< 5 feet
Sugar Maple		27		13		Maple (spp.)	Low	>20 feet	>20 feet
Red Maple		6		14					
Bigtooth Aspen		1		15					
Beech		5		14					
Red Oak		40		17	112				
Hemlock		5		12					
White Pine		5		15					
Black Cherry		1		12					
38	4111 - S.Maple, Hard Mast Association	Sawtimber Well	22.8	133	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.		
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>	<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Basswood		12		15		Sugar Maple	Low	>20 feet	>20 feet
Beech		12		16		Beech	High	Variable	Variable
Red Oak		4		18		Hemlock	Low	>20 feet	>20 feet
Sugar Maple		65		13	133	Ironwood	Low	5 - 10 feet	5 - 10 feet
Red Maple		1		14		White Pine	Trace	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		2		16		Black Cherry	Low	10 - 20 feet	10 - 20 feet
White Pine		2		26					
Black Cherry		2		13					
							Potential trespass against private (mowing/maintaining state land). Need to follow up with GPS.		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
39	4131 - Aspen, Oak	Poletimber Well	28.9	47	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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40	330 - Low-Density Trees	Unspecifed	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.																																																															
41	4130 - Aspen	Poletimber Well	23.4	47	111-140	N/A	Slight slope down to wetland.																																																															
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42	4199 - Other Mixed Upland Deciduous	Poletimber Medium	19.7	50	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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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	100	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.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	18		9	
								Sugar Maple	24		9	
								Bigtooth Aspen	48		13	100
								Red Oak	10		10	
								Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	High	>20 feet	>20 feet									
Ironwood	Low	Variable	Variable									
White Pine	Low	10 - 20 feet	10 - 20 feet									
44	3303 - Mixed Low Density Trees	Unspecified	1.8			No	Alongside road. Deciduous poles consist of Aspen and SM. Herbaceous data is from 2005. Mostly open grassy areas.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Deciduous Saplings	Low	>20 feet	>20 feet	
								Spotted Knapweed	High	Not Applicable	Not Applicable	
								Mixed Grasses	High	Not Applicable	Not Applicable	
								White Pine	Medium	Variable	Variable	
								White Pine	Medium	>20 feet	>20 feet	
45	4130 - Aspen	Poletimber Well	10.8	35	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.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	5		16	
								Red Oak	7		13	130
								White Oak	4		13	
								Red Maple	3		12	
								Bigtooth Aspen	81	Seedling	7	35
Sub-Canopy Species	Density	Avg. Height	Size									
White Pine	Medium	Variable	Variable									
Bigtooth Aspen	Low	>20 feet	>20 feet									
Beech	Low	Variable	Variable									
46	3301 - Low Density Deciduous Trees	Unspecified	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.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Basswood	Trace	>20 feet	>20 feet	
								Spotted Knapweed	Full	Not Applicable	Not Applicable	
								Mixed Grasses	Trace	Not Applicable	Not Applicable	
								Sugar Maple	Low	>20 feet	>20 feet	
								Sugar Maple	Medium	Variable	Variable	
								Sugar Maple	Medium	>20 feet	>20 feet	
								Red Maple	Trace	10 - 20 feet	10 - 20 feet	
								Bracken Fern	Low	Not Applicable	Not Applicable	
								White Pine	Trace	10 - 20 feet	10 - 20 feet	
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								Black Cherry	Low	>20 feet	>20 feet	

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	81	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.																																																																
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48	4117 - Mixed N. Hardwood - Pine	Sawtimber Medium	6.5	108	81-110	N/A	Tall, big old trees. Thinned in 2019-2020, taking out much of the aspen and oak.																																																																
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49	6229 - Mixed Lowland Shrub	Unspecified	2.0			No	Lakeshore, floating mat.																																																																
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50	4110 - Sugar Maple Association	Sawtimber Medium	12.5	115	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.																																																																
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51	500 - Water	Unspecified	5.1			No	Mud Lake																																																																
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52	4130 - Aspen	Sawtimber Well	2.6	86	141-170	N/A	Side slope on east side of Mud Lake. 1 or 2 YB, RP, and NWC along lake edge.																																																																
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Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
53	6220 - Alder/Willow	Unspecified	2.3				No	Lots of duckweed. Ground cover info from 2005.					
									Sub-Canopy Species	Density	Avg. Height	Size	
									Paper Birch	Low	>20 feet	>20 feet	
									Tag Alder	High	10 - 20 feet	10 - 20 feet	
									Sedges	Medium	Not Applicable	Not Applicable	
									White Pine	Trace	>20 feet	>20 feet	
									Sphagnum Moss	Medium	Not Applicable	Not Applicable	
									Willow spp.	Medium	5 - 10 feet	5 - 10 feet	
54	4110 - Sugar Maple Association	Poletimber	Medium	26.8	39	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
									White Pine	2		13	
									Black Cherry	18		9	65
									Red Oak	5		12	
									Sugar Maple	63		6	39
									Bigtooth Aspen	2		10	
									Quaking Aspen	6		10	
									Ironwood	4	Seedling	5	
									Sub-Canopy Species	Density	Avg. Height	Size	
Ironwood	Medium	Variable	Variable										
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet										
White Pine	Low	Variable	Variable										
55	6118 - Lowland Deciduous with Cedar	Sawtimber	Poor	16.6	108	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
									White Pine	2		22	
									Balsam Fir	5	Seedling	9	
									Yellow Birch	10		10	
									Northern White Cedar	27		10	
									Basswood	1		14	
									Red Maple	45		10	108
									Paper Birch	10	Seedling	8	
									Sub-Canopy Species	Density	Avg. Height	Size	
White Pine	Low	10 - 20 feet	10 - 20 feet										
Tag Alder	High	5 - 10 feet	5 - 10 feet										
Northern White Cedar	Low	>20 feet	>20 feet										
Ash (spp.)	Low	< 5 feet	< 5 feet										
56	4110 - Sugar Maple Association	Sawtimber	Medium	52.3	121	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
									Beech	5		13	
									Red Oak	3		13	
									Hemlock	4		15	
									Basswood	30		13	
									Black Cherry	2		15	
									Sugar Maple	55		11	121
									Bigtooth Aspen	1		11	
									Sub-Canopy Species	Density	Avg. Height	Size	
Ironwood	High	Variable	Variable										
Hemlock	Trace	>20 feet	>20 feet										
Sugar Maple	Low	Variable	Variable										

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	127	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.																																																												
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58	4130 - Aspen	Poletimber Well	2.3	47	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.																																																												
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59	4139 - Aspen, Mixed Deciduous	Sawtimber Well	6.1	97	141-170	N/A	Large, older aspen is dying out. Succeeding to RM. Balsam understory is patchy. Variable BA.																																																												
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60	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	2.4	99	81-110	N/A	Sphagnum, pitcher plant, leatherleaf. Mucky. Dead tamarack snags.																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>1</td><td></td><td>14</td><td></td></tr><tr><td>Tamarack</td><td>23</td><td>Seedling</td><td>8</td><td>99</td></tr><tr><td>Northern White Cedar</td><td>40</td><td></td><td>10</td><td>99</td></tr><tr><td>Red Maple</td><td>28</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Paper Birch</td><td>8</td><td>Seedling</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	1		14		Tamarack	23	Seedling	8	99	Northern White Cedar	40		10	99	Red Maple	28	Seedling	9		Paper Birch	8	Seedling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Spruce</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Tamarack</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	5 - 10 feet	Black Spruce	Trace	Variable	Variable	Tamarack	Low	10 - 20 feet	10 - 20 feet																	
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61	4110 - Sugar Maple Association	Sawtimber Medium	0.8	99	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					
62	6225 - Bog	Unspecified	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	
								Mountain Holly	Low	5 - 10 feet	5 - 10 feet	
								White Pine	Low	>20 feet	>20 feet	
								Blueberry/Bilberry/Cranberry	Medium	5 - 10 feet	5 - 10 feet	
								Chokeberry	Medium	5 - 10 feet	5 - 10 feet	
								Sphagnum Moss	Full	Not Applicable	Not Applicable	
63	4130 - Aspen	Poletimber Well	16.5	35	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
								Red Oak	2	Seedling	8	35
								White Oak	1	Seedling	6	
								Quaking Aspen	5	Seedling	6	35
								Ironwood	2	Seedling	6	
								Red Maple	10	Seedling	7	35
								Bigtooth Aspen	80	Seedling	7	35
64	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.0	78	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
								Red Oak	20		19	
								Red Maple	10		11	
								Bigtooth Aspen	3		10	
								White Oak	1		21	
								White Pine	66		16	78
								65	6220 - Alder/Willow	Unspecified	6.0	
Sub-Canopy Species	Density	Avg. Height	Size									
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									
Quaking Aspen	Trace	>20 feet	>20 feet									
Mixed Sedges/Grasses	Medium	Not Applicable	Not Applicable									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
66	4110 - Sugar Maple Association	Sawtimber Medium	30.0	100	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.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		14		12		Beech		Medium	< 5 feet	< 5 feet
Beech		2		15		Ironwood		High	Variable	Variable
Red Oak		7		11		Sugar Maple		Medium	>20 feet	>20 feet
Sugar Maple		70		10	100					
Red Maple		5		12						
Bigtooth Aspen		1		14						
Black Cherry		1	Seedling	8						
67	4130 - Aspen	Poletimber Well	8.4	47	111-140	N/A	Slight slope going into bog and some Black Cherry snags.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		2	Seedling	8		Black Cherry		Low	Variable	Variable
Black Cherry		1		10		Sugar Maple		Medium	Variable	Variable
Red Maple		4	Seedling	5	47	Ironwood		Low	>20 feet	>20 feet
Bigtooth Aspen		90		11	47					
Quaking Aspen		3	Seedling	5	47					
68	6113 - Lowland Maple	Sawtimber Poor	19.3	76	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.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5		14		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
Black Cherry		1	Seedling	7		Beech		Trace	Variable	Variable
Yellow Birch		1		10		Red Oak		Low	>20 feet	>20 feet
Red Oak		10		18		Red Maple		Medium	>20 feet	>20 feet
Northern White Cedar		1		15		Tag Alder		Low	10 - 20 feet	10 - 20 feet
Red Maple		60		11	76	White Pine		Low	Variable	Variable
Paper Birch		20		10		Black Cherry		Medium	< 5 feet	< 5 feet
Bigtooth Aspen		2		19						
69	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	4.5	90	141-170	N/A		Lots of marsh marigold, some pitcher plant. More open in middle - floating mat. Many of the tamaracks have dead tops.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height
Red Maple		5	Seedling	8		Balsam Fir	Trace		Variable	Variable
Balsam Fir		6	Seedling	7		White Pine	Trace		Variable	Variable
Tamarack		45	Sapling	6	90	Black Spruce	Low		Variable	Variable
Black Spruce		4	Sapling	6		Tag Alder	Medium		10 - 20 feet	10 - 20 feet
Northern White Cedar		40		6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
70	3104 - Degraded	Unspecified	3.2			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	47	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
								White Oak	15	Seedling	9	
								White Pine	4		20	
								Red Oak	2		10	
								Red Maple	2		10	
								Bigtooth Aspen	77	Seedling	8	47
								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	134	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
								Yellow Birch	2		12	
								White Pine	15		24	
								Red Maple	23		13	114
								Paper Birch	10		13	
								Northern White Cedar	44		10	134
								Hemlock	6		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	47	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 Oak	6		9	47
								White Pine	2		12	
								Black Cherry	1	Seedling	7	47
								Red Maple	5	Sapling	7	47
								Bigtooth Aspen	79		8	47
								Quaking Aspen	7	Seedling	7	47
								Sub-Canopy Species	Density	Avg. Height	Size	
Beech	Trace	< 5 feet	< 5 feet									
White Pine	Trace	Variable	Variable									
Black Cherry	Low	>20 feet	>20 feet									
Balsam Fir	Trace	Variable	Variable									
Red Maple	Medium	>20 feet	>20 feet									
Bigtooth Aspen	Trace	>20 feet	>20 feet									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
74	6229 - Mixed Lowland Shrub	Unspecified	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	
								Quaking Aspen	Trace	>20 feet	>20 feet	
								White Pine	Trace	>20 feet	>20 feet	
								Cattail spp.	Low	Not Applicable	Not Applicable	
								Leatherleaf	Trace	5 - 10 feet	5 - 10 feet	
								Mixed Sedges/Grasses	Full	Not Applicable	Not Applicable	
								American Elm	Trace	>20 feet	>20 feet	
								Sweet Gale	Full	5 - 10 feet	5 - 10 feet	
								Northern White Cedar	Trace	>20 feet	>20 feet	
Tag Alder	Medium	5 - 10 feet	5 - 10 feet									
75	4131 - Aspen, Oak	Sawtimber Well	6.0	81	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
								Red Oak	20		13	
								Basswood	2		11	
								White Oak	2		13	
								Red Maple	20		11	
								Bigtooth Aspen	55		12	81
								White Pine	1		20	
76	6112 - Lowland Aspen	Poletimber Medium	18.6	65	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	% Cover	Size Class	DBH	Age
								Basswood	2		9	
								Balsam Fir	8	Seedling	6	
								Red Maple	15		9	
								Paper Birch	1	Seedling	7	
								Yellow Birch	4		11	
								Quaking Aspen	70		10	65
77	4130 - Aspen	Sapling Well	50.7	35	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	% Cover	Size Class	DBH	Age
								Red Pine	1		15	
								Red Oak	4		9	35
								Quaking Aspen	30	Seedling	6	35
								Red Maple	4	Sapling	6	35
								Bigtooth Aspen	56	Seedling	6	35
								White Pine	3		14	
Black Cherry	2	Sapling	6	35								

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
78	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	3.2	78	111-140	N/A	Good riparian mature habitat. Slopes/uplands adjacent to Mud Lake. Full of ground wintergreen. Few RO trees about 30" dbh.																																													
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79	4130 - Aspen	Poletimber Well	10.3	47	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		----------------	---------	------------	-----	-----		White Pine	1		16			Black Cherry	1	Seedling	7	47		Quaking Aspen	7	Seedling	8	47		Red Maple	4	Sapling	6	47		Bigtooth Aspen	81	Seedling	8	47		Red Oak	6	Seedling	6	47				Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	----------		White Pine	Low	Variable	Variable		Red Oak	Low	>20 feet	>20 feet		White Oak	Trace	>20 feet	>20 feet		Red Maple	Low	>20 feet	>20 feet		Bigtooth Aspen	Low	>20 feet	>20 feet					
80	4130 - Aspen	Sapling Well	8.0	35	81-110	N/A																																																																																			
	Canopy Species	% Cover	Size Class	DBH	Age		----------------	---------	------------	-----	-----		White Pine	1		26			Red Oak	2	Pole	4	35		Red Maple	5	Sapling	6	35		Bigtooth Aspen	92	Sapling	6	35				Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	----------		White Pine	Trace	Variable	Variable		Black Cherry	Low	Variable	Variable																																
81	4199 - Other Mixed Upland Deciduous	Sapling Poor	1.8	30	Immature	N/A	Old opening with sparse mixed poles, filling in with mixed deciduous saplings. The PB and BF are along wet edge.																																																																																		
	Canopy Species	% Cover	Size Class	DBH	Age		----------------	---------	------------	-----	-----		White Oak	10	Seedling	8			Balsam Fir	5		10			Red Oak	33	Sapling	6			Red Maple	38	Log	4	30		Paper Birch	1	Seedling	7			Bigtooth Aspen	13	Log	3	30				Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	--------------	--------------		Beech	Trace	10 - 20 feet	10 - 20 feet		White Pine	Trace	5 - 10 feet	5 - 10 feet																				
82	4139 - Aspen, Mixed Deciduous	Sapling Medium	9.2	16	1-50	N/A	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.																																																																																		
	Canopy Species	% Cover	Size Class	DBH	Age		----------------	---------	------------	-----	-----		Red Oak	4		16	100		Black Cherry	5		10			Sugar Maple	40		12			Red Maple	5		13			Bigtooth Aspen	46	Log	2	16				Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	----------		Balsam Fir	Trace	>20 feet	>20 feet		Ironwood	Low	Variable	Variable		Beech	Low	Variable	Variable		Red Oak	Low	< 5 feet	< 5 feet		White Pine	Trace	< 5 feet	< 5 feet											

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
83	4131 - Aspen, Oak	Poletimber Well	27.2	55	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 Pine		2		12	68	Red Maple		Low	>20 feet	>20 feet
White Pine		10		9	63	Bigtooth Aspen		Low	>20 feet	>20 feet
Red Oak		20		10		White Pine		Medium	Variable	Variable
Red Maple		8		8		Beech		Trace	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		60	Seedling	7	55	Hemlock		Trace	10 - 20 feet	10 - 20 feet
84	500 - Water	Unspecified	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	35	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 Oak		10		11	67	Bigtooth Aspen		Low	>20 feet	>20 feet
White Oak		4		12		White Pine		Medium	Variable	Variable
White Pine		19		18	67					
Red Maple		25		8						
Paper Birch		2	Seedling	7						
Bigtooth Aspen		40	Sapling	5	35					
86	4139 - Aspen, Mixed Deciduous	Sawtimber Poor	2.8	75	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
Red Oak		2		16		Beech		Low	Variable	Variable
White Pine		2		17		White Pine		Low	Variable	Variable
Black Cherry		5		10						
Quaking Aspen		5		11						
Sugar Maple		30		11						
Red Maple		3		17						
Bigtooth Aspen		50		12	75					
Basswood		3		16						
87	4199 - Other Mixed Upland Deciduous	Sawtimber Well	1.9	115	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
Beech		22		13		White Pine		Low	>20 feet	>20 feet
Red Oak		36		20	115	White Pine		Low	Variable	Variable
Red Maple		16		14		Red Maple		Low	Variable	Variable
Bigtooth Aspen		8		15	79					
White Pine		18		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	90	81-110	N/A	Low shrubs = blueberry & wintergreen. Thinning done March 2020.																																																															
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Bigtooth Aspen	5		13																																																																			
89	629 - Mixed non-forested Wetland	Unspecifed	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.																																																															
<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Cattail spp.</td><td>Low</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Sedges</td><td>Full</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Northern White Cedar</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Tamarack</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Sweet Gale</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Paper Birch</td><td>Low</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Sub-Canopy Species	Density	Avg. Height	Size	Cattail spp.	Low	Not Applicable	Not Applicable	Sedges	Full	Not Applicable	Not Applicable	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	Paper Birch	Low	>20 feet	>20 feet	Tag Alder	Medium	5 - 10 feet	5 - 10 feet																															
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90	6229 - Mixed Lowland Shrub	Unspecified	8.0			No	Platte River flowage coming from Mud Lake. Some ground cover data are from 2005.																																																															
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91	6121 - Tamarack	Poletimber Poor	6.2	59	51-80	N/A																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
92	6220 - Alder/Willow	Unspecified	2.8			No	Filling in with tamarack. Ground cover is from 2005 survey.																																																					
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93	6121 - Tamarack	Poletimber Medium	7.7	107	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	120	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	Unspecified	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	68	81-110	N/A	Some blueberry & wintergreen. Thinned March 2020, residual BA about 100. Some larger gaps within stand.																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>92</td><td></td><td>12</td><td>68</td></tr><tr><td>Red Oak</td><td>6</td><td></td><td>10</td><td></td></tr><tr><td>White Pine</td><td>2</td><td></td><td>13</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	92		12	68	Red Oak	6		10		White Pine	2		13		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Trace	Variable	Variable	Red Maple	Low	Variable	Variable																						
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98	122 - Road/Parking Lot		2.1			No																																																						

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
104	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.0	107	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.																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>5</td><td></td><td>24</td><td></td></tr><tr><td>Black Cherry</td><td>8</td><td></td><td>12</td><td></td></tr><tr><td>Beech</td><td>2</td><td></td><td>24</td><td></td></tr><tr><td>Sugar Maple</td><td>42</td><td></td><td>14</td><td>107</td></tr><tr><td>Red Maple</td><td>40</td><td></td><td>16</td><td>107</td></tr><tr><td>Bigtooth Aspen</td><td>3</td><td></td><td>10</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	5		24		Black Cherry	8		12		Beech	2		24		Sugar Maple	42		14	107	Red Maple	40		16	107	Bigtooth Aspen	3		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Hemlock</td><td>Low</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	Variable	Variable	Hemlock	Low	>20 feet	>20 feet														
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105	4130 - Aspen	Poletimber Well	11.0	47	81-110	N/A	Stocked with pole sized aspen. Slight slope into swamp to W.																																																										
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106	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Medium	35.8	75	81-110	N/A	Much of type is patchy RP plantation 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.																																																										
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White Pine	Medium	Variable	Variable																																																														
107	4133 - Aspen, Mixed Pine	Poletimber Well	11.3	51	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.																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Beech</td><td>1</td><td></td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>2</td><td></td><td>10</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td></td><td>12</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>75</td><td></td><td>12</td><td>51</td></tr><tr><td>White Pine</td><td>20</td><td></td><td>10</td><td>76</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Beech	1		12		Red Oak	2		10		Red Maple	2		12		Bigtooth Aspen	75		12	51	White Pine	20		10	76	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Trace</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Red Oak</td><td>Trace</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr><tr><td>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Trace	< 5 feet	< 5 feet	Red Oak	Trace	>20 feet	>20 feet	White Pine	High	Variable	Variable															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
108	4311 - Pine, Aspen Mix	Poletimber Well	130.8	116	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	39		13	116	White Pine	High		Variable	Variable
Red Pine	4		10	68	Red Maple	Low		>20 feet	>20 feet
Beech	2		13		Bigtooth Aspen	Low		>20 feet	>20 feet
Red Oak	22		12	116					
Red Maple	3		10						
Bigtooth Aspen	30		10	63					
109	6127 - Lowland Pine	Sawtimber Poor	3.1	73	81-110	N/A		Leatherleaf/blueberry bog. Mixed shrubs: tag alder, wild raisin, holly.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
White Pine	97		12	73	White Pine	Trace	Variable		Variable
Black Spruce	1	Seedling	8		Black Spruce	Trace	10 - 20 feet		10 - 20 feet
Red Maple	2		10		Leatherleaf	High	< 5 feet		< 5 feet
					Deciduous Shrubs	Low	5 - 10 feet		5 - 10 feet
					Mixed Bog Heaths	High	Not Applicable		Not Applicable
110	4133 - Aspen, Mixed Pine	Poletimber Well	19.1	58	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
White Pine	35		13	108	White Pine	High		Variable	Variable
Quaking Aspen	11	Seedling	8		Red Oak	Trace		Variable	Variable
Red Maple	4	Seedling	8						
Bigtooth Aspen	35		9	58					
Red Oak	15		12	69					
111	4133 - Aspen, Mixed Pine	Poletimber Medium	10.6	47	51-80	N/A	Sparse timber in shallow draw along road. WP in several size/age classes, trying to reclaim site. A few WO.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	3	Seedling	7		White Pine	Medium		>20 feet	>20 feet
Red Oak	15		9						
White Pine	20		11	56					
Quaking Aspen	7	Seedling	8						
Bigtooth Aspen	55		9	47					
112	4310 - Pine, Oak Mix	Sawtimber Medium	7.6	75	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	20		9		White Pine	Medium		Variable	Variable
Red Pine	9		17	68	Beech	Low		< 5 feet	< 5 feet
White Pine	49		13	75	Bigtooth Aspen	Medium		Variable	Variable
White Oak	2		10						
Red Maple	15		11						
Bigtooth Aspen	5		13	80					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																				
113	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	9.8	68	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.																																																																				
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114	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	33.9	112	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.																																																																				
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115	4130 - Aspen	Poletimber Well	19.0	60	111-140	N/A	A few cherry. Some remnant RO. Lots of wintergreen. 2025 BA: 150, 120, 140,120, 160																																																																				
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116	4319 - Mixed Upland Forest	Sawtimber Well	18.9	81	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																																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
117	4130 - Aspen	Poletimber Well	20.5	75	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	8		14		White Pine	Medium		Variable	Variable
Red Oak	19		12		Red Maple	Low		10 - 20 feet	10 - 20 feet
Red Maple	3	Seedling	7						
Bigtooth Aspen	70		12	75					
118	42110 - Planted Red Pine	Sawtimber Well	15.1	68	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	4		12		White Pine	Low		Variable	Variable
Red Pine	87		12	68					
Quaking Aspen	6		8						
Bigtooth Aspen	2		8						
Red Oak	1	Seedling	9						
119	4130 - Aspen	Poletimber Well	33.8	50	111-140	N/A	Some remnant WP, RO, RP, especially around kettle depressions. Blueberry, wintergreen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	12		10		White Pine	Medium		Variable	Variable
Bigtooth Aspen	63	Seedling	8	50	Red Maple	Low		>20 feet	>20 feet
Beech	2	Seedling	7		Bigtooth Aspen	Medium		>20 feet	>20 feet
Red Oak	12		11						
Red Pine	3		11						
White Pine	8		14						
120	42110 - Planted Red Pine	Poletimber Medium	12.4	68	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	81		10	68	White Pine	Trace		5 - 10 feet	5 - 10 feet
Red Oak	10		13		White Oak	Trace		10 - 20 feet	10 - 20 feet
White Pine	3		16						
White Oak	2		16						
Red Maple	3		12						
Bigtooth Aspen	1	Sapling	7						
121	4133 - Aspen, Mixed Pine	Poletimber Well	38.0	65	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.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	20		10	65	White Pine	High		Variable	Variable
White Oak	10	Seedling	8		White Oak	Low		Variable	Variable
Red Oak	20		10	71	Red Oak	Medium		Variable	Variable
Quaking Aspen	2	Seedling	7						
Red Maple	8		10						
Bigtooth Aspen	40	Seedling	8	65					

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
126	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	18.8	68	141-170	N/A	RO and RM stump sprouts. Average DBH is larger in south 1/2.																																																								
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127	42200 - Natural White Pine	Sawtimber Well	23.5	70	141-170	N/A	Some veteran RO, WP, and beech. WP in all age/size classes. Wintergreen, blueberry.																																																								
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128	4130 - Aspen	Unspecified	17.3	5		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.																																																								
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>9</td><td></td><td>9</td><td></td></tr><tr><td>Red Oak</td><td>6</td><td></td><td>9</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>57</td><td>Log</td><td>2</td><td>5</td></tr><tr><td>Quaking Aspen</td><td>28</td><td>Log</td><td>2</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	White Pine	9		9		Red Oak	6		9		Bigtooth Aspen	57	Log	2	5	Quaking Aspen	28	Log	2				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Oak</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	< 5 feet	< 5 feet	White Pine	Medium	10 - 20 feet	10 - 20 feet																					
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129	4130 - Aspen	Poletimber Well	12.8	64	111-140	N/A	Basal area is fairly distributed, but there are a few pockets with low BA.																																																								
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130	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	27.8	68	111-140	N/A	Large component of RO and WP within RP plantation. Blueberry, wintergreen. Old WP stumps. Thinned Dec. 2019.																																																															
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131	4133 - Aspen, Mixed Pine	Poletimber Well	7.6	55	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.																																																															
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132	3105 - Mixed Upland Herbaceous	Unspecified	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 .																																																															
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133	42110 - Planted Red Pine	Poletimber Medium	32.1	68	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.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
134	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	22.4	87	111-140	N/A	Nice multi-aged stand of natural WP with veteran oak. Occasional pockets of aspen. Trace of red pine.																																																							
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135	4130 - Aspen	Sapling Well	7.5	17	Immature	N/A	Harvested in early summer of 2008.																																																							
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136	4112 - Maple, Beech, Cherry Association	Poletimber Poor	14.9	80	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.																																																							
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137	4110 - Sugar Maple Association	Sawtimber Well	32.3	100	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).																																																							
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138	4130 - Aspen	Sapling Well	15.0	17	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.																																																							
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139	4131 - Aspen, Oak	Sapling Poor	2.8	17	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.																																							
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140	42200 - Natural White Pine	Sawtimber Medium	15.4	81	111-140	N/A	Patches of planted red pine. WP mixed sizes/ages. Gradual slope down to bog and lake.																																							
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141	4130 - Aspen	Sapling Medium	7.8	14	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.																																							
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142	4130 - Aspen	Unspecifed	6.3	6	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.																																							
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143	6239 - Mixed Emergent Wetland	Unspecified	0.9			No																																								
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144	500 - Water	Unspecified	1.5			No	Bronson Lake																																							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
145	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	4.2	63	111-140	N/A	Was previously part of stand 108, but is now long term retention for clearcut in stand 190 to the west.																																																											
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146	6239 - Mixed Emergent Wetland	Unspecifed	3.2			No	Lakeshore.																																																											
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147	6120 - Lowland Cedar	Poletimber Medium	12.2	129	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.																																																											
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148	4130 - Aspen	Sawtimber Well	11.3	63	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.																																																											
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149	4130 - Aspen	Poletimber Well	20.7	54	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	109	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  2024 BA: 80, 110, 90, 90, 90																																																				
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151	4119 - Mixed Northern Hardwoods	Sawtimber Medium	85.6	103	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.  2024 BA: 70, 90, 80, 80, 100, 120, 70, 60																																																				
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152	4130 - Aspen	Sapling Well	9.1	15	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	Unspecified	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	82	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	Density		Avg. Height	Size
White Pine	5		10		White Pine	Low		Variable	Variable
Sugar Maple	5		12		Ironwood	Low		Variable	Variable
Red Maple	15		12		Beech	Trace		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	75		13	82					
155	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	3.0	89	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	Density		Avg. Height	Size
White Pine	15		16		White Pine	Low		Variable	Variable
Yellow Birch	2	Seedling	8		Northern White Cedar	Low		>20 feet	>20 feet
Quaking Aspen	8		12		Hemlock	Low		>20 feet	>20 feet
Red Maple	20	Seedling	8						
Northern White Cedar	45		8	89					
Hemlock	10		9						
156	4130 - Aspen	Unspecifed	9.9	4	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	Density		Avg. Height	Size
Red Oak	1		14		Beech	Low		< 5 feet	< 5 feet
White Pine	3		12						
Red Maple	15	Log	1						
Bigtooth Aspen	81	Log	1	4					
157	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	1.8	77	111-140	N/A	Riparian zone. 1-2 aspen in stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	67		15	77	Red Maple	Trace		Variable	Variable
Red Maple	20		8		White Pine	Low		Variable	Variable
Red Oak	8		9						
White Oak	5		17						
158	4130 - Aspen	Poletimber Well	39.9	52	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	Density		Avg. Height	Size
White Pine	5		14		White Oak	Low		10 - 20 feet	10 - 20 feet
White Oak	5		9		White Pine	Medium		Variable	Variable
Quaking Aspen	2	Seedling	7	52					
Red Maple	4		15						
Bigtooth Aspen	73	Seedling	9	52					
Beech	1		13						
Red Oak	10		12						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
159	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	16.3	113	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
		White Oak	6		17	113		White Oak	Medium	Variable	Variable
		White Pine	37		14			Red Maple	Medium	10 - 20 feet	10 - 20 feet
		Red Maple	3		10			Witch Hazel	Low	5 - 10 feet	5 - 10 feet
		Bigtooth Aspen	14		9	52		White Pine	High	Variable	Variable
		Red Oak	40		16	113					
160	3303 - Mixed Low Density Trees	Unspecified	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 Oak	Trace	Variable	Variable						
		White Pine	Low	Variable	Variable						
		White Pine	Low	>20 feet	>20 feet						
		White Pine	Trace	>20 feet	>20 feet						
		Black Cherry	Trace	>20 feet	>20 feet						
		Red Oak	Trace	>20 feet	>20 feet						
		Aspen (spp.)	Trace	>20 feet	>20 feet						
		Aspen (spp.)	Low	>20 feet	>20 feet						
161	4130 - Aspen	Poletimber Well	12.3	53	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
		White Pine	5		15			Red Maple	Low	Variable	Variable
		Red Oak	8		19			Beech	Medium	Variable	Variable
		Quaking Aspen	3	Seedling	9	53		White Pine	Medium	Variable	Variable
		Red Maple	3		9						
		Bigtooth Aspen	81		10	53					
162	4310 - Pine, Oak Mix	Sawtimber Well	3.6	72	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
		White Oak	5		25			White Oak	Medium	>20 feet	>20 feet
		Red Maple	5	Seedling	9			White Pine	Medium	Variable	Variable
		Bigtooth Aspen	15	Seedling	7						
		White Pine	45		9	72					
		Red Oak	30		10						



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	56	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 Poor	8.5	108	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	80	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	59	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	Unspecified	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	83	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	Density		Avg. Height	Size
Basswood	10		14		Sugar Maple	Low		Variable	Variable
Black Cherry	2		13		Black Cherry	Low		5 - 10 feet	5 - 10 feet
Red Oak	15		12		White Ash	High		< 5 feet	< 5 feet
Sugar Maple	66		13	83	Beech	Trace		< 5 feet	< 5 feet
Red Maple	7		14		Aspen (spp.)	Low		10 - 20 feet	10 - 20 feet
					Ironwood	Medium		< 5 feet	< 5 feet
170	4130 - Aspen	Unspecified	10.7	5		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	Density		Avg. Height	Size
Red Oak	10	Seedling	8		Black Cherry	Low		5 - 10 feet	5 - 10 feet
White Pine	2	Seedling	6		Beech	Low		< 5 feet	< 5 feet
Black Cherry	4	Seedling	8						
Sugar Maple	2	Seedling	9						
Bigtooth Aspen	82	Log	1	5					
171	4130 - Aspen	Unspecified	6.8	6	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	Density		Avg. Height	Size
White Pine	5		9		Black Cherry	Trace		10 - 20 feet	10 - 20 feet
Black Cherry	1	Seedling	9		Beech	Trace		5 - 10 feet	5 - 10 feet
Red Oak	15		12		Red Oak	Trace		10 - 20 feet	10 - 20 feet
Sugar Maple	4	Seedling	8						
Bigtooth Aspen	75	Log	1	6					
172	4130 - Aspen	Unspecified	8.2	6	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	Density		Avg. Height	Size
White Pine	3		12		Ironwood	Low		Variable	Variable
Black Cherry	2	Seedling	8		Beech	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	10	Seedling	9						
Bigtooth Aspen	85	Log	1	6					
173	42110 - Planted Red Pine	Unspecified	22.3	4	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					
Red Pine	96	Log	1	4					
Sugar Maple	4	Log	1	4					

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	88	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.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>14</td><td></td><td>12</td><td></td></tr><tr><td>Quaking Aspen</td><td>4</td><td></td><td>12</td><td></td></tr><tr><td>Sugar Maple</td><td>4</td><td></td><td>13</td><td></td></tr><tr><td>Red Maple</td><td>21</td><td></td><td>13</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>55</td><td></td><td>15</td><td>88</td></tr><tr><td>Red Oak</td><td>2</td><td></td><td>14</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	White Pine	14		12		Quaking Aspen	4		12		Sugar Maple	4		13		Red Maple	21		13		Bigtooth Aspen	55		15	88	Red Oak	2		14		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	Variable	Variable	Red Maple	Trace	Variable	Variable
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175	4130 - Aspen	Unspecified			14.8	5	Immature	N/A	Clearcut in January 2020. 3 retention islands plus scattered residual white pine, red oak, white oak.																																																			
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176	4130 - Aspen	Unspecified			21.9	4	Immature	N/A	Clearcut winter 2020-21 (61-080-17). Two retention islands, plus all oak, red pine, and all white pine >18" retained.																																																			
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178	4130 - Aspen	Unspecified			8.8	5	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.																																																			
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179	4310 - Pine, Oak Mix	Sawtimber Medium	10.2	69	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	Unspecified	4.7	5	Immature	N/A	Clearcut in March 2020 with a retention island in the middle.																																																		
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181	4130 - Aspen	Unspecified	12.5	5	Immature	N/A	Clearcut in February 2020 with scattered residuals RO & WP and two small retention islands. There is mature Apsen within the retention islands.																																																		
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182	4130 - Aspen	Poletimber Medium	14.9	55	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	Unspecified	14.1	5	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	Unspecified	5.0	4	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	Unspecified	22.1	5	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	Density		Avg. Height	Size
Quaking Aspen	1	Seedling	5		Beech	Trace		< 5 feet	< 5 feet
Red Oak	6	Seedling	5		Red Oak	Trace		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	91	Log	1	5	Red Maple	Low		10 - 20 feet	10 - 20 feet
White Oak	2	Seedling	5		Balsam Fir	Trace		< 5 feet	< 5 feet
					White Pine	Low		Variable	Variable
186	4130 - Aspen	Sapling Medium	8.8	5	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	Density		Avg. Height	Size
Red Oak	4	Seedling	7	47	Beech	Low		< 5 feet	< 5 feet
White Pine	2	Seedling	6						
Black Cherry	1	Seedling	6	47					
Sugar Maple	1	Log	2						
Red Maple	1	Log	1						
Bigtooth Aspen	91	Pole	1	5					
187	4139 - Aspen, Mixed Deciduous	Unspecified	6.5	5	Immature	N/A	Clearcut with residuals in fall 2020. Lots of brambles.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	37	Log	1		Blackberry/Raspberry	Full		5 - 10 feet	5 - 10 feet
Red Oak	3		10						
Hemlock	1	Seedling	5						
Red Maple	2		10						
Bigtooth Aspen	57	Log	1	5					
188	4130 - Aspen	Unspecified	7.9	5	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					
Bigtooth Aspen	3	Seedling	5						
Bigtooth Aspen	92	Log	1	5					
Red Oak	5	Seedling	5						
189	4110 - Sugar Maple Association	Sawtimber Medium	39.0	100	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	Density		Avg. Height	Size
Basswood	25		12		Ironwood	Medium		< 5 feet	< 5 feet
White Pine	2	Seedling	9		Sugar Maple	Medium		>20 feet	>20 feet
Black Cherry	2		12		Beech	Medium		5 - 10 feet	5 - 10 feet
Sugar Maple	65		10	100	White Ash	Low		< 5 feet	< 5 feet
Red Oak	6		19						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
190	4130 - Aspen	Unspecified	13.3	5	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	Density		Avg. Height	Size
White Pine	1		15		White Pine	Trace		< 5 feet	< 5 feet
Red Oak	1		10		Red Maple	Trace		5 - 10 feet	5 - 10 feet
Red Maple	1	Seedling	7		Beech	Trace		< 5 feet	< 5 feet
Bigtooth Aspen	96	Log	1	5					
White Oak	1		10						
191	4130 - Aspen	Sapling Medium	26.0	3	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					
White Pine	5		10						
Red Maple	5	Log	1						
Bigtooth Aspen	84	Log	1	3					
Red Oak	3		14						
White Oak	3		26						
192	6120 - Lowland Cedar	Poletimber Well	18.6	120	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 run 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	Density		Avg. Height	Size
White Pine	14		24		White Pine	Low		Variable	Variable
Red Oak	1		15		Tag Alder	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	63		10	120	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Hemlock	8		14		Beech	Trace		5 - 10 feet	5 - 10 feet
Balsam Fir	4		11		Hemlock	Trace		5 - 10 feet	5 - 10 feet
Red Maple	6		12						
Paper Birch	2	Seedling	7						
Yellow Birch	2		10						