

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61018

Entry Year: 2027

Acreage: 3,793

County: Benzie

Management Area: Grand Traverse Moraine

Stand Examiner: Craig Allen

Legal Description:

T26N- R13W; Sections 22, 24-27, 34-36 of Benzie County.

Identified Planning Goals:

This compartment is a part of the Grand Traverse Moraine. Vegetation management in this MA will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including the Betsie River (a designated natural river), and the Grass Lake Flooding; threatened, endangered and special concern species; and provide for forest-based recreational uses. The primary attributes and associated uses that influence and drive management in the Manistee Plains management area are wood fiber production, wildlife habitat for existing species along with various recreational uses. Management activities will emphasize the age, size and species distribution within cover types. Expected trends within this 10-year planning period are increased recreation pressure and continued management to balance cover type age-class distributions for timber and wildlife habitat. This age-class management effort is easily seen in this compartment by the current prescriptions for aspen regeneration harvests.

Soil and topography:

The topography is mostly level. Approximately half of the compartment is lowlands. The upland areas consist of the well drained Kalkaska- Rubicon soil association. Lowland areas of wet and semi- wet flats are made up of permeable Roscommon- Augres- Croswell soils.

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

The north half of this compartment is comprised of a mixture of ownerships with a higher percentage of private than State lands. The south half is mostly State land and the compartment is bordered by other State lands on the west and south sides. The private lands in the area have many residential homes and continue to experience much land fragmentation. There are vacation and retirement homes in the area. Duck and Green lakes are close by to the east of the compartment.

Unique Natural Features:

In and around this compartment Grass, Green and Duck Lakes form the headwaters for the Betsie River. The Betsie is a designated Michigan Natural River system.

Archeological, Historical, and Cultural Features:

There are a few old homestead sites within the compartment. Early Native Americans would commonly establish settlements along the Betsie River. There are old railroad grades within the compartment that were used during the original logging operations in this area around the turn of the century.

Special Management Designations or Considerations:

Many wildlife projects occur in this area due to the large wetland complex around the Betsie River and Grass Lake.

Watershed and Fisheries Considerations:

The Betsie River flows through Compartment 18, although much of it is impounded by the Grass Lake Wildlife Flooding. The Betsie River is a State-designated Natural River, and is a Designated Trout Stream. Any timber treatments should be kept at least 100' back from the river per MDNR BMPs. (Mark Tonello, Fisheries Division, Cadillac)

Wildlife Habitat Considerations:

The north and west portions of this compartment consist of an outwash plain (LTA 5111). The topography is generally flat and the soils are well drained. Within this compartment, maple and aspen stands dominate. There is also an oak stand, red pine, and grassy openings. The majority of the compartment consists of a broad, flat outwash plain (LTA 5149). Soils here are poorly drained peat or muck. Within this compartment, there are large blocks of mixed swamp conifers and swamp hardwoods. There are also DNR food plot. Small portions of the compartment consist of a pitted outwash plain (LTA 5211). Several aspen stands are located here, along with a red pine stand. 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 downy woodpecker, porcupine, sharp-shinned hawk, spotted salamander, wild turkey, and white-tailed deer. Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover

while older stands provide catkins (food source) for the winter months. Within each compartment, clearcutting helps facilitate different sized aspen trees by mimicking the necessary disturbance vital for regeneration. 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. This compartment contains poorly drained soils and would be an ideal area for woodcock hunting. 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, cottontail rabbit, and garter snake. Other species of wildlife found here include snowshoe hare, evening grosbeak, and black bear. Grass Lake is an important waterfowl area, along with providing opportunities for furbearers. Wildlife species that you may see here include bald eagle, osprey, red-winged blackbird, northern water snake, beaver, otter, and mink. (Wildlife Div., Traverse City F.O.).

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 1,000 feet. Beneath the glacial drift is the Devonian Ellsworth Shale. The Ellsworth is used for cement products. No gravel pits are located in the area, but there may be some potential. This area is located in an area of recent Antrim Shale leasing and development; however, all of the wells in the area have been plugged and the leases have all expired.

Vehicle Access:

There are many paved and seasonal county roads throughout the compartment within this area offering good and easy access to State lands. There are also many forest "2-track" roads in various areas of the compartment that are in good condition and are used for public and DNR land management accessibility.

Survey Needs:

There are no known survey needs in this compartment at this time.

Recreational Facilities and Opportunities:

Snowmobile Trail #39 (Platte River Snowmobile Trail) runs East/West thru the southern third of this compartment along Lamb, Turtle Lake, and Reynolds road--all seasonal county roads. Hunting, Fishing and camping are common recreational activities within this compartment. The Grass Lake State Forest Campground is located just south of the compartment boundary.

Fire Protection:

This area has wildfire protection by Almira Township Fire Dept., and the DNR Traverse City Field Office. Access is acceptable in this compartment, and there is only a minor history of wildfire. The majority of this compartment is a hardwood type, so the possibility for a large wildfire event is minimal.

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: 61018
T26N R13W 22,24-27,34-36
County: Benzie
Unit: Traverse City
Mgmt. Area: Grand Traverse Moraine
YOE: 2027
Acres: 3,793 GIS Calculated
Examiner: Craig Allen
Date Exported: 7/1/2025
Map Phase: Web Post



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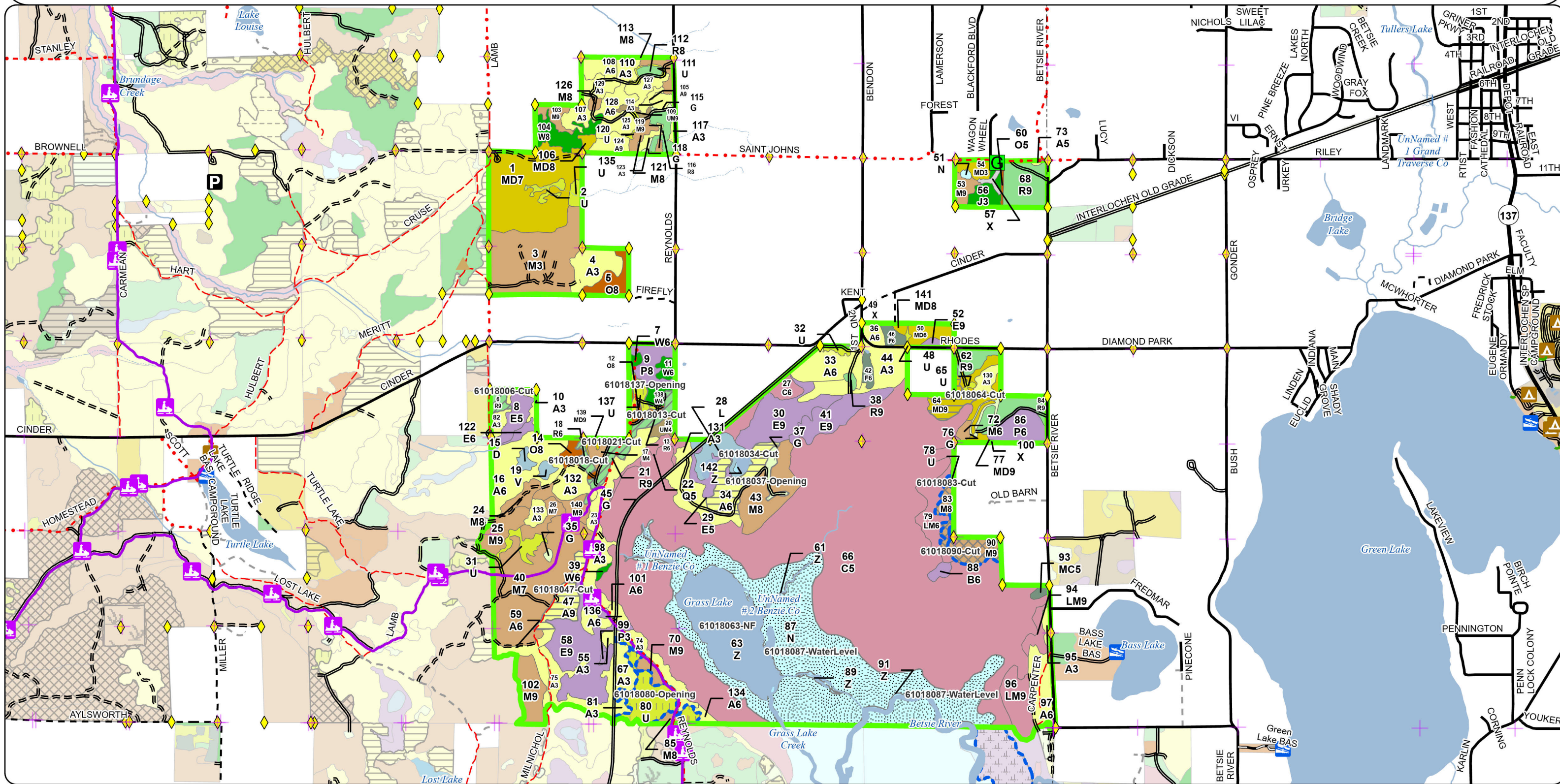
- Remunemented Section Corners
- Survey Grade Corners
- Berms
- Gate
- Boating Access Site
- Culvert
- Campground
- Parking Lot
- Designated Hiking Pathways

- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- 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.
- Water Level Mgmt.

- Treatments with Site Conditions
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest

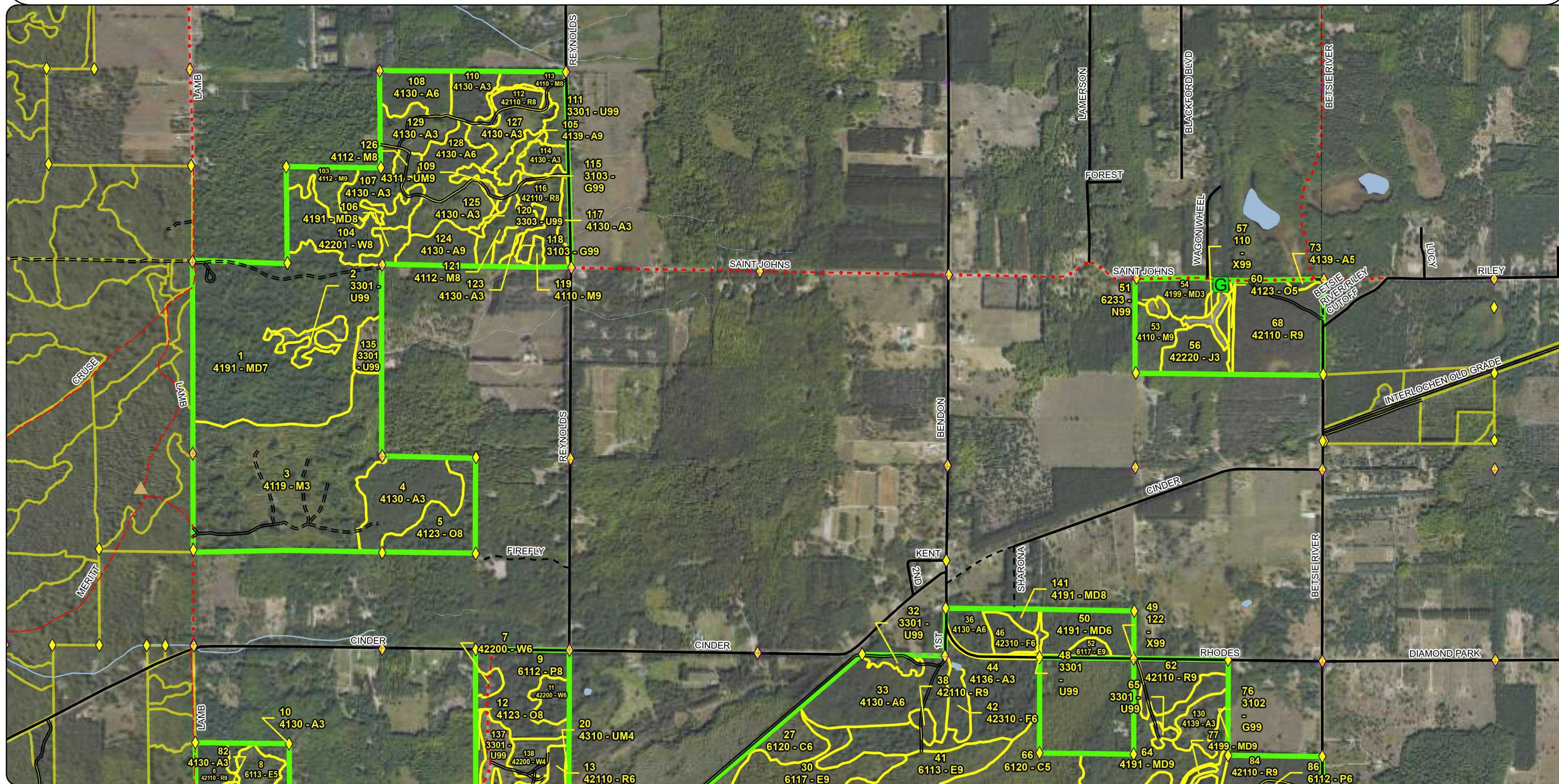
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated



== DNR - Secondary Forest Road
 === DNR - Forest Access Route
 — Federal / State / County - Pav

- Compartiment Boundary
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Stand Boundary Map

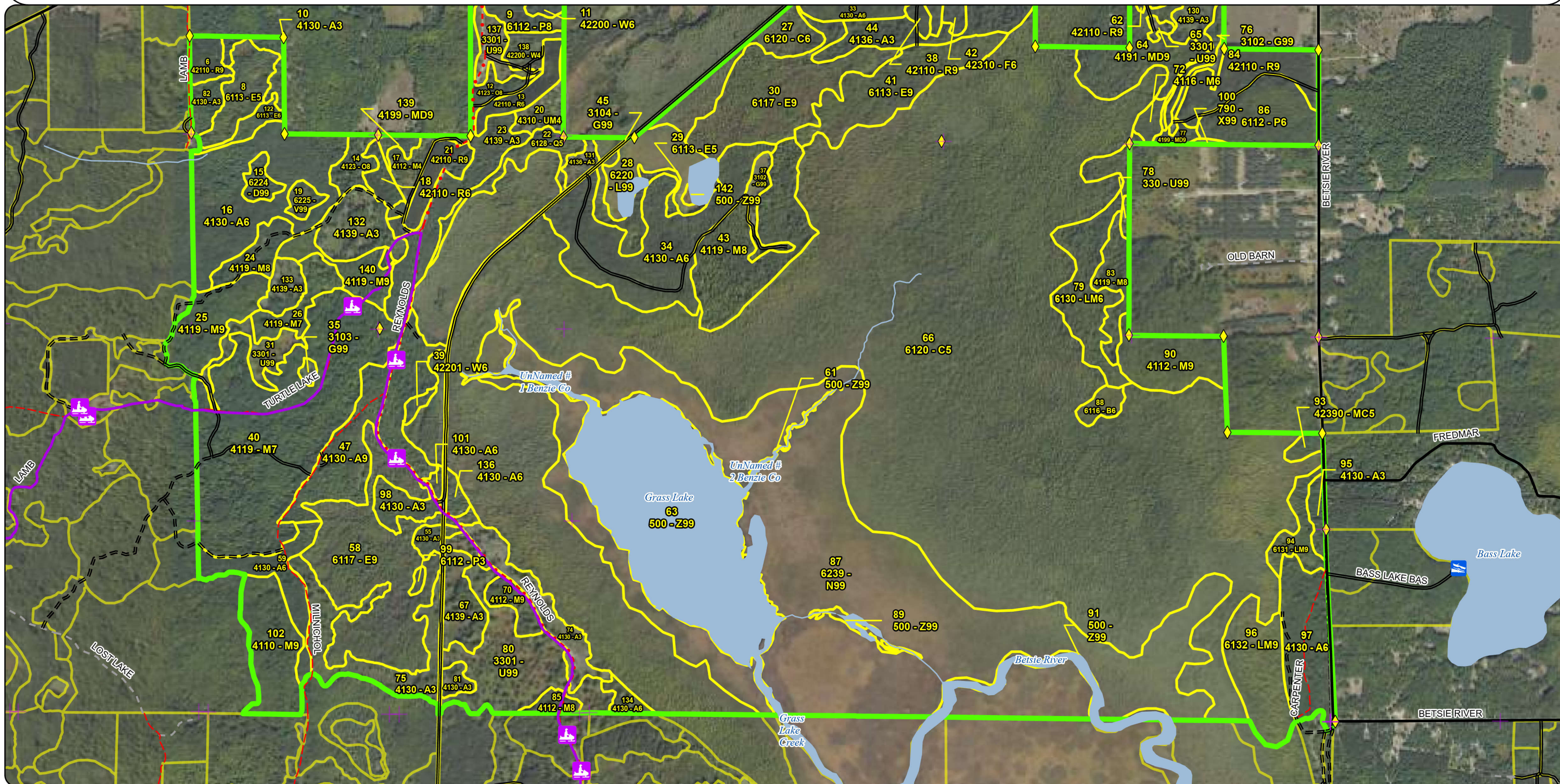
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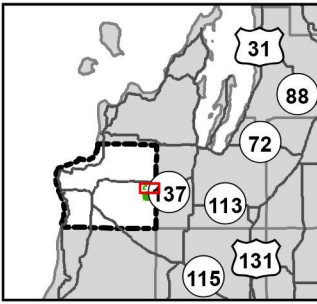
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Special Conservation Areas & Site Conditions Map

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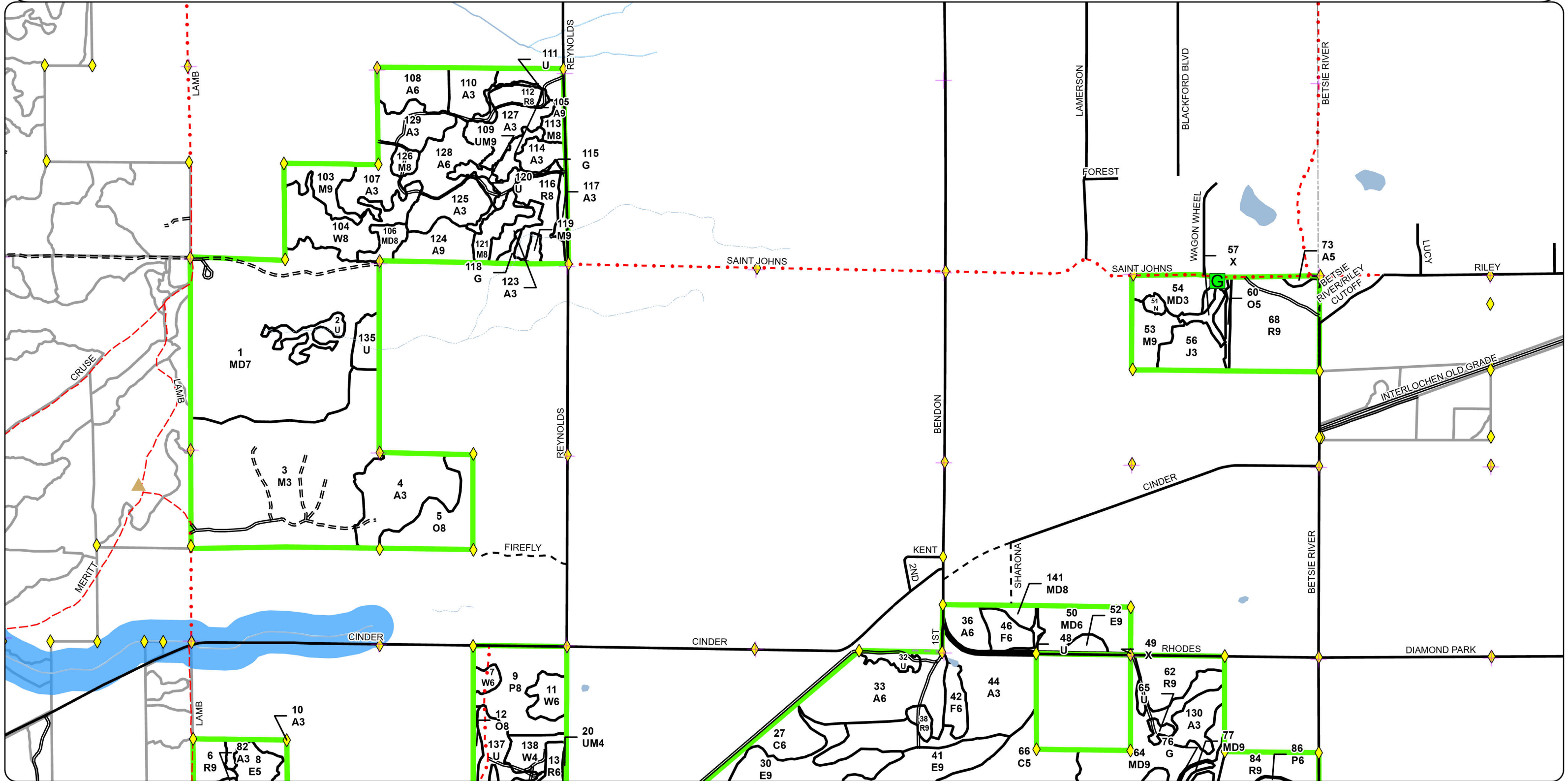


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- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Gate
- DNR - Secondary Forest Road
- DNR - Forest Access Route

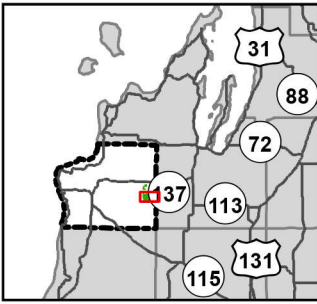
- Federal / State / County - Paved Road
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- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River

- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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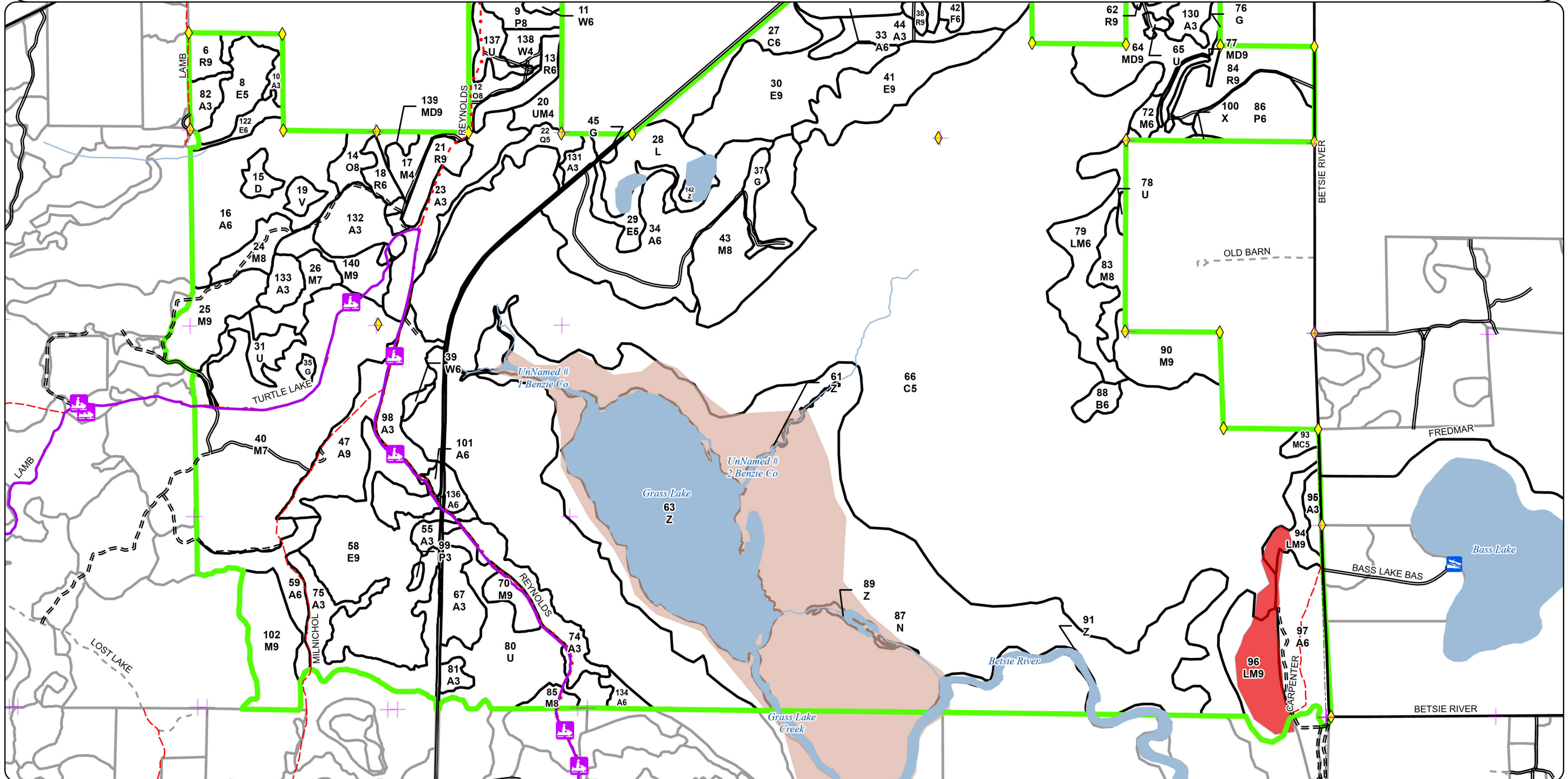


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- Counties
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- Wildlife Research Areas



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	166	100	94	123	0	68	83	0	0	0	0	0	0	0	0	0	0	634
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	1158	0	0	0	0	0	1158
Herbaceous Openland	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Jack Pine	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Lowland Aspen/Balsam Poplar	0	0	1	0	0	28	0	25	0	0	0	0	0	0	0	0	0	0	54
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Lowland Deciduous	0	0	0	0	0	0	0	5	17	80	3	103	0	0	0	0	0	0	208
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	35	75
Lowland Shrub	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Marsh	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407
Mixed Upland Deciduous	0	0	0	27	0	0	0	0	3	35	123	5	0	0	0	0	0	5	198
Northern Hardwood	0	108	0	0	0	0	4	11	12	0	72	115	24	0	0	0	0	131	477
Oak	0	0	0	0	0	0	2	0	0	0	36	0	0	0	0	0	0	0	38
Paper Birch	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
Red Pine	0	0	0	0	8	0	10	70	41	0	0	0	0	0	0	0	0	0	129
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Upland Mixed Forest	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	8	12
Upland Spruce/Fir	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	13
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156
White Pine	0	0	0	0	14	0	0	0	3	2	0	0	0	0	0	0	0	23	42
Total	724	274	101	136	145	28	89	207	80	117	234	223	1238	0	0	0	0	202	3795

Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 18
Total Compartment Acres: 3,793

Commercial Harvest - 198
Harvests with Site Condition - 74
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	64	0	0	0	0	0	0	0	0	64
Mixed Upland Deciduous	17	0	0	0	0	0	0	0	0	17
Northern Hardwood	0	37	0	0	0	0	0	0	0	37
Red Pine	0	0	0	0	0	35	0	0	0	35
Total	81	37	0	0	0	35	0	0	0	153

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	153	0	0	0	0	0	0	0	138	761
Next Step	0	0	0	0	0	0	118	0	0	118
Total	153	0	0	0	0	0	118	0	138	879

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

137	61018137-Opening	9.4	3301 - Low Density Deciduous Trees	99			Openings Mgmt.	Openings Mgmt.	3105 - Mixed Upland Herbaceous	Previous Inventory	No
<u>Prescription</u> Selectively 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 plant a native grass and forb seed mix. Maintain as needed with mowing, seeding of native grasses and forbs, burning, or removal of woody encroachment. <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											
90	61018090-Cut	24.3	4112 - Maple, Beech, Cherry Association	9	116	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Select thin mark to leave approximately 80-90 residual BA. Mark poor form, suppressed, defect trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple, red maple, beech, cherry, basswood, birch <u>Regen:</u> <u>Other</u> Can only achieve harvest if obtain access to stand across private property.Add oak wilt spec. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
87	61018087-WaterLevel	405.4	6239 - Mixed Emergent Wetland	99			Water Level Mgmt.	Water Level Mgmt.	6239 - Mixed Emergent Wetland	Previous Inventory	No
<u>Prescription</u> Protect established wild rice beds. Manipulate water to maintain health of the marsh and maximize floral species diversity and minimize invasives. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Invasive removal could require drawdowns, burning, and possibly chemical treatments. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
83 61018083-Cut	12.7	4119 - Mixed Northern Hardwoods	8	105	51-80	Harvest	Selection	4119 - Mixed Northern Hardwoods	Current	No
<u>Prescription</u> Lightly select mark stand to remove poor quality, suppressed, disease, heavy defect trees. Mark 20 BA or less to remove overall. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> red maple, red oak, black cherry, white pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> This harvest can only be achieved if gain access through adjoining private land, along with treatment for stand 90. <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026										
80 61018080-Opening	47.4	3301 - Low Density Deciduous Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing 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. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> Other Comments <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> May want/need to plant herbaceous species for wildlife forage needs. Consider an appropriate native species, but don't rule out pasture mix (i.e. alfalfa/clover). <u>Comment:</u> Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Site Condition:</u> Long-Term Retention <u>Proposed Start Date:</u> 10/01/2026										
64 61018064-Cut	16.6	4191 - Mixed Upland Deciduous with Conifer	9	87	81-110	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<u>Prescription</u> Harvest all aspen, red maple, cherry, balsam fir. Select mark to cut poor form/health red oak. Cut white pine 6" to 25" DBH. Keep small area of legacy pine out of harvest in far west end (this is identified in SC layer). Exclude advanced sugar maple regen near stand 65. keep protection of seasonal drainage area from any harvest equipment or cutting (also in SC layer). <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, aspen, cherry, spruce, oak, birch, white pine. <u>Regen:</u> <u>Other</u> Add drumming log spec to Contract.Add Oak wilt spec.Long term retention for this harvest already accounted for in SC layer as <u>Comment:</u> discussed above. <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
63 61018063-NF	138.2	500 - Water	99			NonForestMgt	Openings Mgmt.	621 - Floating Aquatic	Previous Inventory	No
<u>Prescription</u> Water level and vegetation will be managed via the Grass Lake Wildlife Management Area plan, upon the plan's completion and approval. <u>Specs:</u> The Grass Lake Dam is located in compartment 20. The Grass Lake Wildlife Management Area and associated flooding are contained in three compartments, 18, 19 and 20. <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										
47 61018047-Cut	28.1	4130 - Aspen	9	66	Unspec ified	Harvest	Clearcut	4130 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut aspen, maple, cherry to regenerate stand. Individually mark to cut any oak (of poor form, health) leaving scattered individuals for mast. Leave all Conifers. Leave retention island(s) per retention guidelines. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, cherry, <u>Regen:</u> <u>Other</u> Use drumming log spec in contract. Also, use snowmobile trail spec. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
37 61018037-Opening	6.7	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is a traditional wildlife planting located near traditional deer yards. Maintain as a non-forest stand conducive to wildlife foraging and cover needs. Was traditionally planted to annual rye. Continue annual planting as budgets and staffing allow, or consider alternative seed mixes as soil conditions allow. Periodic maintenance such as mowing, fertilization, reseeding, removal of woody encroachment, and/or other non-forest maintenance techniques. <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
34 61018034-Cut	36.3	4130 - Aspen	6	52	Unspecified	Harvest	Clearcut	4130 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand to regenerate canopy hardwood species. Leave retention island(s) per retention guidelines. Consider making these retention islands in conjunction with any Low wet areas within the sale area. Leave all oak, sugar maple, white pine, cedar, hemlock. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, cherry, oak, <u>Regen:</u> <u>Other</u> Use drumming log spec in contract. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
21 61018021-Cut	10.7	42110 - Planted Red Pine	9	68	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand by marking trees to harvest approximately 1/3 of volume. Focus on poor form, suppressed, defect trees then mark others as needed to even spacing throughout plantation. Target residual BA of approximately 120. <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										
18 61018018-Cut	7.8	42110 - Planted Red Pine	6	38	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> First thinning of this plantation. Thin stand by harvesting every third row. Rows may be hard to follow in some locations, so may need marking to identify rows to cut. Will need to harvest hardwoods as needed within the rows to cut to facilitate access for equipment. <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										
13 61018013-Cut	9.9	42110 - Planted Red Pine	6	56	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand by marking trees to harvest approximately 1/3 of volume. Focus on poor form, suppressed, defect trees then mark others as needed to even spacing throughout plantation. Any dieback pockets should be cleaned up by marking all the trees within pocket as well as stressed trees on edges of pockets. Target residual BA of approximately 120. <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
6 61018006-Cut	7.0	42110 - Planted Red Pine	9	68	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin stand by marking trees to harvest approximately 1/3 of volume. Focus on poor form, suppressed, defect trees then mark others as needed to even spacing throughout plantation Target residual BA of approximately 120.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

Total Treatment
Acreage Proposed: 760.5

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions							
Acres	Available	With Condition	Not Available		2B	2F	2G	3A	3J	3L	5E
558	536	0	22	Aspen			2		1		19
1	1	0	0	Bare/Sparsely Vegetated							
4	0	0	4	Bog			4				
1154	0	0	1154	Cedar			1,154				
24	24	0	0	Herbaceous Openland							
14	15	0	0	Jack Pine							
48	46	0	2	Low-Density Trees							2
53	29	0	25	Lowland Aspen/Balsam Poplar			25				
12	0	0	12	Lowland Conifers			12				
201	0	0	201	Lowland Deciduous			201				
75	0	0	75	Lowland Mixed Forest			42	33			
27	27	0	0	Lowland Shrub							
407	407	0	0	Marsh							
165	157	0	7	Mixed Upland Deciduous			2			5	
359	303	37	19	Northern Hardwood	37	10					10
38	38	0	0	Oak							
5	0	0	5	Paper Birch			5				
129	129	0	0	Red Pine							
5	0	0	5	Treed Bog			5				
3	3	0	0	Upland Conifers							
12	8	0	4	Upland Mixed Forest							4
13	0	0	13	Upland Spruce/Fir						13	
6	6	0	0	Urban							
156	157	0	0	Water							
42	40	0	2	White Pine							2
3,512	1,924	37	1,551	Total Forested Acres	37	10	1,452	33	1	18	37
	55%	1%	44%	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)	22	Unspecified	Unspecified	Unspecified	Unspecified

Report 4 – Site Conditions



Comments:							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1,304	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Keep this small portion of the stand as long term retention...it is well defined by various edges and works scenically as mature timber due to its location at the intersection of two roads.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3L: Other wildlife concerns	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Seasonal drainage near south private line.Majority of stand is "island" between the adjacent wildlife openings. Leave for wildlife mast and mature forest edge.							

Report 4 – Site Conditions



9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	2	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	5C: Delay treatment for age/size class diversity or exceptional site quality	5B: Maintain for regeneration purposes	2F: Too steep	Unspecified
Comments: Small, hilly stand that has county road along edge and contains a small wetland. Inoperable for harvesting. Let aspen fall out of stand to Allow oak and maple saps and poles to grow up through understory.							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Traverse City Mgt. Unit
Craig Allen: Examiner

Compartment: 18
Year of Entry: 2027



17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: too steep to operate logging equipment safely.							
21	Unavailable	5E: Long-Term Retention	4	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: keep as conifer retention stand due to central location to all the aspen managed stands surrounding it. Will provide wildlife thermal cover.							
22	Unavailable	3L: Other wildlife concerns	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: originally planted for wildlife cover purposes...keep for this reason. Concern for any type of thinning as heavy equipment will damage roots systems (that are very shallow.)							
23	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: long term retention for harvest area to the north (now stand 74)							
24	Available	2B: Unknown if access through adjacent landowner(s) is possible	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: retention for cut area east of Reynolds road and stand 67 to the south.							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention island for surrounding tsale area.							
32	Unavailable	5E: Long-Term Retention	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	75	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	3A: Conservation values incompatible with harvest at this time	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hardwood-Conifer Swamp EO ID 18769							
36	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: seasonal drainage area							
41	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	5E: Long-Term Retention	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mature red oak retention islands and edges for sale #61-073-17-01							

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	119.6	96	51-80	N/A	Stand was thinned in winter of 2010-11. All aspen was harvested along with marked maple and oak. No pine was cut. So a 2-aged stand. Lots of variability of species, volume and quality. Quite a bit of oak sap-poles in some areas.																																									
<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>15</td><td></td><td>10</td><td></td></tr><tr><td>Black Cherry</td><td>3</td><td></td><td>10</td><td></td></tr><tr><td>Red Oak</td><td>40</td><td></td><td>12</td><td>96</td></tr><tr><td>Sugar Maple</td><td>22</td><td></td><td>9</td><td></td></tr><tr><td>Red Maple</td><td>15</td><td></td><td>9</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	15		10		Black Cherry	3		10		Red Oak	40		12	96	Sugar Maple	22		9		Red Maple	15		9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Bigtooth Aspen</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Bigtooth Aspen	Medium	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																												
White Pine	15		10																																													
Black Cherry	3		10																																													
Red Oak	40		12	96																																												
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Red Maple	Low	Variable	Variable																																													
Bigtooth Aspen	Medium	10 - 20 feet	10 - 20 feet																																													
2	3301 - Low Density Deciduous Trees	Unspecified	5.9			No	Open areas are composed of mixed grasses, with cherry and juneberry present. Clumps of upland deciduous, similar to adjacent stand.																																									
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Deciduous Saplings</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Blackberry/Raspberry</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Serviceberry (Juneberry)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Mixed Grasses</td><td>Medium</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>St. Johns Wort</td><td>Trace</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Cladonia (Reindeer moss)</td><td>Low</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Autumn Olive</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species		Density	Avg. Height	Size	Black Cherry	Low	Variable	Variable	Deciduous Saplings	Medium	Variable	Variable	Blackberry/Raspberry	Trace	5 - 10 feet	5 - 10 feet	Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet	Mixed Grasses	Medium	Not Applicable	Not Applicable	St. Johns Wort	Trace	Not Applicable	Not Applicable	Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable	Autumn Olive	Trace	5 - 10 feet	5 - 10 feet						
Sub-Canopy Species	Density	Avg. Height	Size																																													
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Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																																													
3	4119 - Mixed Northern Hardwoods	Sapling Well	107.7	5	Immature	N/A	Regeneration harvest sale 61-073-17 Harvested last summer into fall of 2019, many retention islands and some scattered retention trees.Oak wilt treatment in stand prior to regeneration harvest.																																									
<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>15</td><td></td><td>8</td><td>5</td></tr><tr><td>Black Cherry</td><td>15</td><td>Log</td><td>1</td><td></td></tr><tr><td>Beech</td><td>15</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>16</td><td>90</td></tr><tr><td>Sugar Maple</td><td>15</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Red Maple</td><td>15</td><td>Log</td><td>1</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Log</td><td>1</td><td>5</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	15		8	5	Black Cherry	15	Log	1		Beech	15	Log	1		Red Oak	10		16	90	Sugar Maple	15	Log	1	5	Red Maple	15	Log	1		Quaking Aspen	15	Log	1	5						
Canopy Species	% Cover	Size Class	DBH	Age																																												
White Pine	15		8	5																																												
Black Cherry	15	Log	1																																													
Beech	15	Log	1																																													
Red Oak	10		16	90																																												
Sugar Maple	15	Log	1	5																																												
Red Maple	15	Log	1																																													
Quaking Aspen	15	Log	1	5																																												
4	4130 - Aspen	Sapling Medium	28.8	36	Unspecified	N/A	RaspberriesVarious seedlings species present.																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>4</td><td>36</td></tr><tr><td>Bigtooth Aspen</td><td>70</td><td>Pole</td><td>4</td><td>36</td></tr><tr><td>Black Cherry</td><td>10</td><td>Pole</td><td>4</td><td>36</td></tr><tr><td>Red Oak</td><td>10</td><td>Pole</td><td>4</td><td>36</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Pole	4	36	Bigtooth Aspen	70	Pole	4	36	Black Cherry	10	Pole	4	36	Red Oak	10	Pole	4	36	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	High	5 - 10 feet	5 - 10 feet									
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Red Maple	10	Pole	4	36																																												
Bigtooth Aspen	70	Pole	4	36																																												
Black Cherry	10	Pole	4	36																																												
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Sub-Canopy Species	Density	Avg. Height	Size																																													
Black Cherry	High	5 - 10 feet	5 - 10 feet																																													

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
5	4123 - Red Oak	Sawtimber Medium	18.6	95	51-80	N/A	Stand was thinned in winter of 2010-2011. All aspen was cut and select marked maple and oak. Good species mix.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		15		12		Beech		Medium	Variable	Variable
Red Maple		15		12		Black Cherry		Medium	Variable	Variable
Red Oak		70		18	95	Sugar Maple		Medium	Variable	Variable
						Red Maple		Medium	Variable	Variable
6	42110 - Planted Red Pine	Poletimber Well	7.0	68	171-200	N/A	Was row-thinned.Also 2nd Thinning in 2008 (1/3 of volume).			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100		10	68	Beech		High	Variable	Variable
7	42200 - Natural White Pine	Unspecified	2.8	70	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		5		10		White Pine		Medium	Variable	Variable
Quaking Aspen		15	Seedling	8		Black Cherry		Medium	Variable	Variable
White Pine		70		9	70	Sugar Maple		Low	Variable	Variable
Black Cherry		10		8		Red Maple		Medium	Variable	Variable
8	6113 - Lowland Maple	Poletimber Medium	16.8	70	81-110	N/A	Standing water.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		15		10		Alder		High	5 - 10 feet	5 - 10 feet
Hemlock		10		10		Black Ash		Medium	Variable	Variable
Yellow Birch		5		10		Red Maple		High	>20 feet	>20 feet
Red Maple		60		10	70	Northern White Cedar		Low	>20 feet	>20 feet
Bigtooth Aspen		10		10		Hemlock		Medium	>20 feet	>20 feet
9	6112 - Lowland Aspen	Sawtimber Medium	24.6	65	Unspecified	N/A	A very diverse stand. Possible rows of oak planted along south end near pine plantation (or oak volunteers started in furrows of pine plantation?).Many low wet areas (with standing water) and drainages...fragile dark soils. In adjacent stand to the south (138) Oak wilt was treated with vibratory plow in fall of 2014 and trees cut in winter of 2015.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		15		15		American Elm		High	>20 feet	>20 feet
Black Cherry		9		9		Red Maple		Medium	>20 feet	>20 feet
Quaking Aspen		70		13	65	White Pine		Low	>20 feet	>20 feet
Black Ash		3	Seedling	8		Black Ash		High	>20 feet	>20 feet
American Elm		3		9		Serviceberry (Juneberry)		Medium	10 - 20 feet	10 - 20 feet
10	4130 - Aspen	Sapling Well	6.4	7	Immature	N/A	Harvested Feb of 2018. Has some scattered mature leave trees of pine, oak, maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		5	Seedling	8		White Pine		Medium	10 - 20 feet	10 - 20 feet
Red Maple		30	Log	1	7	White Pine		Medium	>20 feet	>20 feet
Bigtooth Aspen		65	Log	1	7	Ironwood		High	>20 feet	>20 feet
						Beech		Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
11	42200 - Natural White Pine	Unspecified	6.7	30	1-50	N/A	likely an old field that seeded in naturally with white pine over time.																																												
<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>90</td><td>Seedling</td><td>8</td><td>30</td></tr><tr><td>Black Cherry</td><td>10</td><td></td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	90	Seedling	8	30	Black Cherry	10		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	Variable	Variable																						
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12	4123 - Red Oak	Unspecified	8.3	90	51-80	N/A																																													
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13	42110 - Planted Red Pine	Poletimber Well	9.9	56	171-200	N/A	Seedlings = sugar and red maple. Thinned feb.of 2008 = every 3rd row.																																												
<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>100</td><td></td><td>10</td><td>56</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100		10	56	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Variable																											
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14	4123 - Red Oak	Sawtimber Poor	9.0	95	1-50	N/A																																													
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15	6224 - Treed Bog	Unspecified	5.0			No	Seasonal standing water. Various shrubs, pine, and hardwood species. Nice snag, south end. Various shrubs and ferns.																																												
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Leatherleaf</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sphagnum Moss</td><td>High</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Hemlock</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Sedges</td><td>Low</td><td>Not Applicable</td><td>Not Applicable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Leatherleaf	High	5 - 10 feet	5 - 10 feet	Red Maple	Low	Variable	Variable	Alder	Medium	5 - 10 feet	5 - 10 feet	Sphagnum Moss	High	Not Applicable	Not Applicable	Hemlock	Low	Variable	Variable	White Pine	Low	Variable	Variable	Quaking Aspen	Trace	Variable	Variable	Sedges	Low	Not Applicable	Not Applicable									
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Sedges	Low	Not Applicable	Not Applicable																																																
16	4130 - Aspen	Sapling Well	59.3	38	Unspecified	N/A	Clearcut harvested in 1987 with adjacent stand 46 in compartment 17. Many scattered wetland areas with hemlock and cedar left uncut around them, upland ridges in between.Has scattered retention trees of mature red oak that were left as residual mast producers. Also some large white pine were left.																																												
<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>12</td><td></td></tr><tr><td>Black Cherry</td><td>15</td><td>Seedling</td><td>7</td><td>38</td></tr><tr><td>Quaking Aspen</td><td>45</td><td>Seedling</td><td>7</td><td>38</td></tr><tr><td>Bigtooth Aspen</td><td>35</td><td>Seedling</td><td>7</td><td>38</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5		12		Black Cherry	15	Seedling	7	38	Quaking Aspen	45	Seedling	7	38	Bigtooth Aspen	35	Seedling	7	38	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Blueberry/Bilberry/Cranberry</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Alder	Medium	5 - 10 feet	5 - 10 feet	Red Maple	High	10 - 20 feet	10 - 20 feet	Black Cherry	Low	5 - 10 feet	5 - 10 feet	Blueberry/Bilberry/Cranberry	Medium	5 - 10 feet	5 - 10 feet
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Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
17	4112 - Maple, Beech, Cherry Association	Unspecified	8.0	60	1-50	N/A																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>60</td><td>Sapling</td><td>6</td><td>60</td></tr><tr><td>Red Maple</td><td>30</td><td>Sapling</td><td>6</td><td>60</td></tr><tr><td>Red Oak</td><td>10</td><td>Sapling</td><td>6</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	60	Sapling	6	60	Red Maple	30	Sapling	6	60	Red Oak	10	Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Mixed Grasses</td><td>Medium</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Blackberry/Raspberry</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Bracken Fern</td><td>High</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Red Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Mixed Grasses	Medium	Not Applicable	Not Applicable	Blackberry/Raspberry	High	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Black Cherry	Medium	Variable	Variable	Bracken Fern	High	Not Applicable	Not Applicable	Red Oak	Low	Variable	Variable			
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18	42110 - Planted Red Pine	Poletimber Well	7.8	38	171-200	N/A	Has inclusions of red oak (saw & pole).																																																	
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19	6225 - Bog	Unspecified	4.1			No	Seasonally has standing water.																																																	
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20	4310 - Pine, Oak Mix	Unspecified	8.0	56	1-50	N/A	Steep hill along north side of the stand. dry site. Some barren spots. Pole oak and pine.																																																	
<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>30</td><td></td><td>9</td><td>56</td></tr><tr><td>White Pine</td><td>25</td><td></td><td>12</td><td></td></tr><tr><td>Black Cherry</td><td>25</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Oak</td><td>20</td><td></td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	30		9	56	White Pine	25		12		Black Cherry	25	Seedling	7		Red Oak	20		8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Serviceberry (Juneberry)</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Common Or Ground Juniper</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Blackberry/Raspberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Cladonia (Reindeer moss)</td><td>Medium</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Bracken Fern</td><td>Full</td><td>Not Applicable</td><td>Not Applicable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Serviceberry (Juneberry)	Low	Variable	Variable	Common Or Ground Juniper	Trace	5 - 10 feet	5 - 10 feet	Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet	Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable	Bracken Fern	Full	Not Applicable	Not Applicable		
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21	42110 - Planted Red Pine	Sawtimber Well	10.7	68	171-200	N/A	2 acres in north east of this stand is white pine of approx same size/ age, just manage along with the red pine. seedlings = red maple, beech, sugar maple and oak.																																																	
<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>100</td><td></td><td>11</td><td>68</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100		11	68	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Variable																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
22	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	11.6	115	Unspecified	N/A																																																																
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23	4139 - Aspen, Mixed Deciduous	Sapling Well	29.3	25	Unspecified	N/A	Low shrub = raspberries.Contains some older residual pole and log sized red oak left uncut from harvest in 2000.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>20</td><td>Log</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Log</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Beech</td><td>5</td><td>Log</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Log</td><td>4</td><td>25</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	20	Log	3						Balsam Fir	5	Log	3						Beech	5	Log	3						Red Oak	10		6						Red Maple	20	Log	3						Bigtooth Aspen	40	Log	4	25				
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Bigtooth Aspen	40	Log	4	25																																																																		
24	4119 - Mixed Northern Hardwoods	Sawtimber Medium	10.7	90	51-80	N/A	Lots of variability in size class & species mix.Lots of multi- stem trees.Natural openings/ semi-open areas.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Cherry</td><td>15</td><td></td><td>12</td><td></td><td>Red Maple</td><td>High</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Quaking Aspen</td><td>15</td><td></td><td>10</td><td></td><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Oak</td><td>20</td><td></td><td>10</td><td></td><td>Black Cherry</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>15</td><td></td><td>12</td><td></td><td>Quaking Aspen</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Maple</td><td>35</td><td></td><td>12</td><td>90</td><td>Ironwood</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	15		12		Red Maple	High	>20 feet	>20 feet	Quaking Aspen	15		10		White Pine	Low	Variable	Variable	Red Oak	20		10		Black Cherry	Medium	Variable	Variable	Sugar Maple	15		12		Quaking Aspen	Medium	>20 feet	>20 feet	Red Maple	35		12	90	Ironwood	Medium	>20 feet	>20 feet									
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25	4119 - Mixed Northern Hardwoods	Sawtimber Well	23.5	93	81-110	N/A	Mostly med. to low quality maple. Lots of multi-stemsDry upland conditions...no indicator plants here.																																																															
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26	4119 - Mixed Northern Hardwoods	Sawtimber Poor	12.2	90	1-50	N/A	Mixed with natural openings. mid to low quality timber.seedlings= lots of beech!																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
27	6120 - Lowland Cedar	Poletimber Well	20.9	118	Unspecified	N/A	Standing water in majority of stand																																																					
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28	6220 - Alder/Willow	Unspecifed	27.4			No	Clump of hardwoods northwest side. From railroad grade, dominated by sedges and willows. Wet. Could not see SE side.																																																					
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29	6113 - Lowland Maple	Unspecified	11.5	101		N/A	some standing water, seasonably flooded.																																																					
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30	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	53.5	100	Unspecified	N/A	Some good areas of hemlock regen. (3 to 5' tall).																																																					
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31	3301 - Low Density Deciduous Trees	Unspecified	12.1			No	Various aged black cherry with clumps of maples. Mixed ground cover.																																																					
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32	3301 - Low Density Deciduous Trees	Unspecified	3.4			No																																																						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
33	4130 - Aspen	Sapling Well	35.1	36	Unspecified	N/A	Some scattered pole size white pine, red pine and oak.																																																		
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34	4130 - Aspen	Poletimber Well	67.9	52	Unspecified	N/A	Some wet areas in stand. Also contains some scattered red oak of various size.																																																		
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35	3103 - Rubus-Fern	Unspecified	1.5			No																																																			
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36	4130 - Aspen	Sapling Well	7.5	27	Unspecified	N/A	Good diversity.																																																		
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37	3102 - Grass	Unspecified	6.7			Yes	has been a DNR rye field in the past. Great location. Rye grass growing well.																																																		
38	42110 - Planted Red Pine	Sawtimber Well	2.5	69	141-170	N/A	Red maple will take over stand eventually.																																																		
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39	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	2.1	81	81-110	N/A																																																			
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40	4119 - Mixed Northern Hardwoods	Sawtimber Poor	130.6	95	51-80	N/A	Timber sale in march/April of 2011 treated 96 acres of this stand along with adjacent stand 62 in compartment 17 to the west. We Cut all aspen and select marked maple, beech and oak. Left all conifers. Some very large DBH red oak. A lot of sapling oak 20 to 50' tall in understory. In 2011 I cut down two and found the ages to be 33 and 38 years...but very suppressed growth ring development (only 1.5" and 3" DBH).On site = star flower, pink lady slipper, serviceberry, maple leaf viburnum.																																																		
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41	6113 - Lowland Maple	Sawtimber Well	37.3	100	81-110	N/A	Very good hemlock regen.																																																		
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42	42310 - Planted Spruce	Poletimber Well	6.1	62	81-110	N/A	Has some scattered log and pole size white pine and cherry. Providing good thermal cover and escape cover for wildlife. Don't want to thin because logging equipment would damage root systems of residual trees.																																																		
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43	4119 - Mixed Northern Hardwoods	Sawtimber Medium	48.3	103	81-110	N/A	All aspen and fir was cut along with select mark of other species in 1999. Many scattered clear-cut patches that are good aspen pockets now.East side has some scattered large DBH N. Red oak.Has some other good gap hole openings and good forwarding lanes. Lots of raspberries--predominant ground cover.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
44	4136 - Aspen, Mixed Conifer	Sapling Well	40.6	14	Immature	N/A	Site is mostly dry...but just barely. Very hummicky.Can manage for mix stand of aspen, maple, pine, oak and spruce.maple and aspen where harvested out of stand in 2011Pockets of planted spruce avg. 6-8" DBH.Nice hemlock regen along south edge of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		17		14		White Spruce		Medium	Variable	Variable
Black Cherry		4		12	90	Hemlock		Medium	Variable	Variable
Balsam Fir		10		10		Hemlock		Low	Variable	Variable
Red Oak		2		22	88	Red Maple		Low	>20 feet	>20 feet
Red Maple		22	Log	2	14	White Pine		Low	Variable	Variable
Bigtooth Aspen		45	Log	2	14	Balsam Fir		Medium	Variable	Variable
45	3104 - Degraded	Unspecified	8.0			No	Old railroad grade. Has 2-track forest road			
46	42310 - Planted Spruce	Poletimber Well	6.6	62	81-110	N/A	Providing good thermal cover and escape cover for wildlife.			
Canopy Species		% Cover	Size Class	DBH	Age					
White Pine		10		14						
White Spruce		90		9	62					
47	4130 - Aspen	Poletimber Well	28.1	66	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak		10		12		Black Cherry	Medium	Variable	Variable	
Red Maple		10		12		Red Maple	Medium	Variable	Variable	
Bigtooth Aspen		45		10	66					
Quaking Aspen		30		9	66					
Black Cherry		5	Seedling	7						
48	3301 - Low Density Deciduous Trees	Unspecified	1.2			No	Power line goes through it. Adjacent to spruce stand. All bracken fern.			
						Sub-Canopy Species	Density	Avg. Height	Size	
						Black Cherry	Trace	Variable	Variable	
						Poverty Grass	Low	Not Applicable	Not Applicable	
						Deciduous Saplings	Medium	Variable	Variable	
						Cladonia (Reindeer moss)	Trace	Not Applicable	Not Applicable	
						Bracken Fern	Full	Not Applicable	Not Applicable	
						Sphagnum Moss	Trace	Not Applicable	Not Applicable	
49	122 - Road/Parking Lot	Unspecified	2.6			No	Rhodes road			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
50	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	16.2	27	81-110	N/A	Good diversity in species and structure.																																																										
							Quite a bit of residual (mainly oak) was left.																																																										
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51	6233 - Wet Meadow	Unspecified	1.5			No	Nice, wet meadow. Low evergreen shrubs around perimeter and center. Seasonally wet.																																																										
52	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	2.7	95	Unspecified	N/A	Really good hemlock understory.																																																										
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53	4110 - Sugar Maple Association	Sawtimber Well	9.9	95	81-110	N/A																																																											
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54	4199 - Other Mixed Upland Deciduous	Sapling Well	10.7	26	1-50	N/A																																																											
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55	4130 - Aspen	Sapling Well	3.4	16	Immature	N/A	Was harvested for aspen regen in 2009. All fir, oak and marked leave trees retained.																																																										
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56	42220 - Natural Jack Pine	Sapling Well	14.5	27	Unspecified	N/A																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>95</td><td>Log</td><td>3</td><td>27</td></tr><tr><td>Black Cherry</td><td>5</td><td>Log</td><td>3</td><td>27</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Log	3	27	Black Cherry	5	Log	3	27																																			
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57	110 - Low Intensity Urban	Unspecified	3.3			No	State Communications tower site. Has gated/locked entrance with fencing around perimeter.																																																		
58	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	79.9	89	Unspecified	N/A	Contains a few oak trees.Patchy areas of standing water. Very "hummocky" ground.Fir taking over majority of stand.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>40</td><td></td><td>10</td><td>89</td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td></td><td>11</td><td></td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Hemlock</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Balsam Fir</td><td>20</td><td>Seedling</td><td>9</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Cherry (spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	40		10	89	Bigtooth Aspen	20		11		Northern White Cedar	10	Seedling	9		Hemlock	10	Seedling	9		Balsam Fir	20	Seedling	9		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Variable	Cherry (spp.)	Medium	5 - 10 feet	5 - 10 feet	Beech	Medium	5 - 10 feet	5 - 10 feet	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
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59	4130 - Aspen	Sapling Well	19.4	27	Unspecified	N/A																																																			
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60	4123 - Red Oak	Poletimber Medium	1.8	50	51-80	N/A																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>90</td><td>Seedling</td><td>7</td><td>50</td></tr><tr><td>Jack Pine</td><td>10</td><td>Seedling</td><td>7</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Jack Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	90	Seedling	7	50	Jack Pine	10	Seedling	7		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Medium	Variable	Variable	Jack Pine	Medium	Variable	Variable	Beech	Low	Variable	Variable																			
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61	500 - Water	Unspecified	1.6			No																																																			
62	42110 - Planted Red Pine	Sawtimber Well	14.1	69	141-170	N/A	Was row-thinned once in approx. 19952nd thinning in fall of 2018 by select marking 1/3 of volume, sale 61-082-17																																																		
<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>95</td><td></td><td>12</td><td>69</td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>14</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	95		12	69	Red Oak	5		14		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	5 - 10 feet	5 - 10 feet																			
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63	500 - Water	Unspecified	138.2			No	Grass Lake																																																		

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
70	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.6	70	51-80	N/A	A lot of multi- stem, low quality maple.																																						
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72	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	3.9	55	81-110	N/A																																							
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73	4139 - Aspen, Mixed Deciduous	Poletimber Medium	1.1	68	Unspecified	N/A	Small, hilly stand that has county road along edge and contains a small wetland. Inoperable for harvesting. Let aspen fall out of stand....Allowing oak and maple to grow up through understory.																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>50</td><td></td><td>12</td><td>68</td></tr><tr><td>Bigtooth Aspen</td><td>50</td><td></td><td>9</td><td>68</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	50		12	68	Bigtooth Aspen	50		9	68	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Oak</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Medium	10 - 20 feet	10 - 20 feet	Red Maple	Medium	10 - 20 feet	10 - 20 feet	Red Maple	Medium	>20 feet	>20 feet											
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74	4130 - Aspen	Sapling Well	19.5	4	Immature	N/A	Harvested in Aug of 2021, sale 61-023-17has retention islands around lowland areas. also scattered retention trees and clumps left throughout and along road																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Quaking Aspen</td><td>55</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Black Cherry</td><td>15</td><td>Log</td><td>1</td><td>4</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Log	1	4	Bigtooth Aspen	10	Log	1	4	Quaking Aspen	55	Log	1	4	Black Cherry	15	Log	1	4																			
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75	4130 - Aspen	Sapling Well	29.9	4	Immature	N/A	Harvested in winter/spring of 2020-21 sale 61-023-17Also contains some scattered w pine, b fir, cedar, red oak.																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>60</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>15</td><td>Log</td><td>1</td><td>4</td></tr><tr><td>Bigtooth Aspen</td><td>25</td><td>Log</td><td>1</td><td>4</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Log	1	4	Red Maple	15	Log	1	4	Bigtooth Aspen	25	Log	1	4																								
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76	3102 - Grass	Unspecified	4.4			No	East area has been used for logging landing during past pine thinnings.																																						
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Rye (annual)</td><td>Full</td><td>Not Applicable</td><td>Not Applicable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Rye (annual)	Full	Not Applicable	Not Applicable																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
77	4199 - Other Mixed Upland Deciduous	Sawtimber Well	5.3	100	81-110	N/A	Seasonal drainage near south private line.																																														
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78	330 - Low-Density Trees	Unspecified	1.4			No	
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79	6130 - Fir, Aspen, Maple	Poletimber Well	34.5	90	81-110	N/A	Lots of old white pine stumps.Seasonably wet and year-round pockets of wet areas... undulating ground with fragile dark soils.																																																												
<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>10</td><td></td><td>22</td><td></td></tr><tr><td>Balsam Fir</td><td>15</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>18</td><td></td></tr><tr><td>Hemlock</td><td>20</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td></td><td>14</td><td>90</td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td></td><td>9</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10		22		Balsam Fir	15	Seedling	6		Yellow Birch	5	Seedling	9		Red Oak	5		18		Hemlock	20		12		Red Maple	25		14	90	Bigtooth Aspen	20		9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Northern White Cedar</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Hemlock</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Variable	Red Maple	Medium	>20 feet	>20 feet	Northern White Cedar	Medium	>20 feet	>20 feet	Hemlock	Medium	>20 feet	>20 feet		
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80	3301 - Low Density Deciduous Trees	Unspecified	47.4			No	Large stand. Fair amount of hardwoods (black cherry and maple). Full abundance of bracken fern.																																				
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Mixed Grasses</td><td>Low</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Strawberry</td><td>Trace</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>Sphagnum Moss</td><td>Trace</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Bracken Fern</td><td>Full</td><td>Not Applicable</td><td>Not Applicable</td></tr><tr><td>St. Johns Wort</td><td>Trace</td><td>Not Applicable</td><td>Not Applicable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Mixed Grasses	Low	Not Applicable	Not Applicable	Strawberry	Trace	Not Applicable	Not Applicable	Sphagnum Moss	Trace	Not Applicable	Not Applicable	White Pine	Trace	Variable	Variable	Black Cherry	Medium	Variable	Variable	Red Maple	Low	Variable	Variable	Bracken Fern	Full	Not Applicable	Not Applicable	St. Johns Wort	Trace	Not Applicable	Not Applicable		
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St. Johns Wort	Trace	Not Applicable	Not Applicable																																								

81	4130 - Aspen	Sapling Well	3.7	5	Immature	N/A	Harvested in 2019sale 61-023-17, has some mature retention trees within and any fir or pine.																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>60</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Red Maple</td><td>25</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Log</td><td>1</td><td>5</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Log	1	5	Red Maple	25	Log	1	5	Bigtooth Aspen	15	Log	1	5					
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Bigtooth Aspen	15	Log	1	5																							

82	4130 - Aspen	Sapling Well	6.8	7	Immature	N/A	Area harvested in February 2018. Has some scattered mature leave trees of pine and maple and oak.																												
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White Pine	Medium	10 - 20 feet	10 - 20 feet																																

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
83	4119 - Mixed Northern Hardwoods	Sawtimber Medium	12.7	105	51-80	N/A	Open... park-like old 2-track trail running north south --not used much going through stand then into bottom edge of stand 90.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	35		20	105	White Pine	Medium		5 - 10 feet	5 - 10 feet
Red Maple	40		18	105	Balsam Fir	Medium		Variable	Variable
White Pine	5		14		Red Maple	Medium		>20 feet	>20 feet
Black Cherry	20		16						
84	42110 - Planted Red Pine	Sawtimber Well	23.8	69	111-140	N/A	Red maple moving in heavy in some areas areas of raspberries too. (1-3' tall).		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	100		12	69	Red Maple	Medium		Variable	Variable
					Beech	Low		5 - 10 feet	5 - 10 feet
					White Pine	Low		5 - 10 feet	5 - 10 feet
85	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	4.2	70	51-80	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	5		14		Beech	Low		Variable	Variable
Red Maple	70		14	70	Ironwood	Low		Variable	Variable
Black Cherry	25		10		Red Maple	Low		Variable	Variable
86	6112 - Lowland Aspen	Poletimber Well	27.6	49	Unspecified	N/A	Some sawlog oak on outside edges. Aspen and some white pine around outside edges where not wet. Mostly wet (about 1/2 the total area) in middle and dryer around the edges.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	5		9		American Elm	Medium		10 - 20 feet	10 - 20 feet
Red Maple	48		9	49	Red Maple	High		Variable	Variable
Paper Birch	5	Seedling	7	49	Black Cherry	Medium		Variable	Variable
Bigtooth Aspen	40		9	49					
White Pine	2		11						
87	6239 - Mixed Emergent Wetland	Unspecifed	405.4			No	Cattails, marsh grasses, willow, alder, probable glossy buckthorn in areas. High concentration of cattails.		
88	6116 - Lowland Birch	Poletimber Well	5.2	53	Unspecified	N/A	Pockets of small wet areas (3 to 10' diameter) throughout. Was burned after it was cut ? Evidence of burn marks on stumps from when cut 53 years ago.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
American Elm	5	Seedling	7	53	Black Cherry	Low		>20 feet	>20 feet
Red Maple	15	Seedling	7	53	Red Maple	Low		10 - 20 feet	10 - 20 feet
Paper Birch	70	Seedling	7	53	American Elm	Medium		Variable	Variable
Bigtooth Aspen	5	Seedling	7	53	Balsam Fir	Medium		Variable	Variable
Black Cherry	5	Seedling	7	53					
89	500 - Water	Unspecified	3.2			No			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
90	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.3	116	111-140	N/A	All trees quite nice, long bodied straight sawlogs. Flat, open and park-like understory. Ground is a bit undulating.																																																				
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91	500 - Water	Unspecifed	12.2			No	Betsie River																																																				
93	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	3.3	110	51-80	N/A	Mostly dry.																																																				
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94	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	11.3	117	81-110	N/A	Park- like with little or no regen in dry areas -- balsam fir regen in the wet areas.																																																				
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96	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	29.6	115	Unspecified	N/A	Some hemlock regen trying to establish (6" to 3' heights). Well populated in some spots.																																															
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97	4130 - Aspen	Sapling Well	32.9	27	Unspecified	N/A	Also has a few sawlog size white oak scattered about.																																															
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98	4130 - Aspen	Sapling Well	30.7	16	Unspecified	N/A	Harvested in Summer of 2009. aspen and maple was cut. All oak,pine and marked leave trees were retained. Also some sap maple.																																															
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99	6112 - Lowland Aspen	Sapling Well	1.2	16	Unspecified	N/A	Harvested in 2009. to expand and regenerate aspen																																															
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100	790 - Other Bare/Sparsely Vegetated	Unspecified	0.8			No	A small area that is "spilled over" from a very poor condition 35 year old scotch pine plantation on the adjacent private land. The plantation had a lot of weevil damage and over all very poor health and form with no product or value. The private landowner had all the scotch pine chipped (about 2007?) to remove it...including the portion on State land. This actually did the State a favor by removal of this non-native tree species.																																															
101	4130 - Aspen	Poletimber Well	1.6	66	Unspecified	N/A	This stand is a retention area that was left from the adjacent stand that was cut in 2009.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
102	4110 - Sugar Maple Association	Sawtimber Well	28.5	107	81-110	N/A	Thinned in fall of 2014Not very many ground indicator plants.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood		25		14		White Ash	Medium	Variable	Variable
Sugar Maple		60		12	107	Sugar Maple	Low	< 5 feet	< 5 feet
Red Maple		10		12		Ironwood	High	Variable	Variable
Beech		5		11		Beech	Low	Variable	Variable
103	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	9.8	102	111-140	N/A	Understory WP in pockets. Scattered basswood, red oak. Stand was thinned in April 2011.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		12		15		White Pine	Medium	Variable	Variable
Sugar Maple		75		11	102	Ironwood	High	< 5 feet	< 5 feet
Red Maple		8		12					
Bigtooth Aspen		3		11					
Ironwood		1	Seedling	8					
Beech		1		16					
104	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	23.2	82	81-110	N/A	White pine variable in size and age. Thinned in Feb. 2020. Very mixed species stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2		18		Deciduous Saplings	Low	Variable	Variable
Sugar Maple		5		12		White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Maple		18		12		White Pine	Low	Variable	Variable
Bigtooth Aspen		7		10					
White Pine		60		12	82				
Black Cherry		8		10					
105	4139 - Aspen, Mixed Deciduous	Sawtimber Well	4.1	63	111-140	N/A	Good quality sugar maple. Small amounts of cherry, beech, basswood. Standing dead ash. some small amounts of ash seedlings.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		2		14		Ironwood	Medium	Variable	Variable
Sugar Maple		56		12	100	Beech	Low	Variable	Variable
Red Maple		2		12		Sugar Maple	Medium	Variable	Variable
Bigtooth Aspen		40		11	63	Sugar Maple	Medium	< 5 feet	< 5 feet
106	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	4.8	97	81-110	N/A	Selection harvested in January 2020, much of the aspen was removed.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		30		12		White Pine	High	Variable	Variable
Sugar Maple		12	Seedling	9					
Red Maple		42		9	97				
Bigtooth Aspen		10		11	63				
Red Oak		6		20					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
107	4130 - Aspen	Sapling Well	12.4	14	Immature	N/A	Was clearcut with residuals, harvested 4/2011 under sale #610790901; retained white pine plus some scattered pole-sized maples. Scattered maple, cherry, and beech seedlings; some witch hazel.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	90	Log	2	14	White Pine	Low		5 - 10 feet	5 - 10 feet
White Pine	10		12		Ironwood	Medium		< 5 feet	< 5 feet
108	4130 - Aspen	Poletimber Well	13.2	63	Unspecified	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1		9		Ironwood	Low		Variable	Variable
Red Maple	5		9	63	Beech	Low		Variable	Variable
Bigtooth Aspen	85		10	63	Sugar Maple	High		Variable	Variable
Quaking Aspen	5		9	63	Red Maple	Low		>20 feet	>20 feet
White Pine	1		18						
Black Cherry	2		12						
Beech	1		17						
109	4311 - Pine, Aspen Mix	Sawtimber Well	4.4	72	141-170	N/A		White pine varied in size, age. Scattered sugar maple, beech. 2016 BAs: 180, 130, 200.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Quaking Aspen	38	Seedling	8	63	Sugar Maple	Low	Variable		Variable
Red Maple	3		9		White Pine	Low	>20 feet		>20 feet
Bigtooth Aspen	6		9		Ironwood	Medium	Variable		Variable
White Pine	50		12	72					
Black Cherry	3		9						
110	4130 - Aspen	Sapling Well	9.2	14	Immature	N/A	Stand was clearcut with residuals, harvested 4/2011 under sale #610790901. Scattered retention from cut: sugar maple, black cherry, red maple, beech, and white pine; about 3% cover. Dense regeneration - fully stocked.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	6	Pole	3		Black Cherry	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	5	Pole	3	14	Ironwood	Low		< 5 feet	< 5 feet
Sugar Maple	2		10						
Red Maple	5	Pole	3	14					
Bigtooth Aspen	82	Pole	3	14					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
111	3301 - Low Density Deciduous Trees	Unspecified	2.4			No																																																	
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112	42110 - Planted Red Pine	Sawtimber Medium	4.2	72	111-140	N/A	RP site index trees in 2007: 59' on 12.0"dbh, 63' on 9.3" dbh, 63' on 10.8" dbh. Marked thinning in 2011 under TSC #610520901. 2024 BA's 120, 140, 150.																																																
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113	4110 - Sugar Maple Association	Sawtimber Medium	9.3	101	51-80	N/A	Medium quality hardwoods. Thinned January 2021, residual BA about 70, including scattered beech, cherry, ironwood, hemlock, and bigtooth aspen.2024--some stump sprouting producing various species. Beech definitely stimulated by harvest. Some browsing by deer but not too bad. new growth since cut all less than 6 foot tall.																																																
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114	4130 - Aspen	Unspecified	5.7	5	Immature	N/A	Clearcut January 2021 with scattered residual white pine, oak, cherry, and maple.																																																
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115	3103 - Rubus-Fern	Unspecified	1.5			No	This non-forested stand is essentially the break in canopy cover along a forest road.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
116	42110 - Planted Red Pine	Sawtimber Medium	12.2	68	111-140	N/A	2007 RP site index trees: 72' on 10.5" dbh, 62' on 10.7" dbh, 64' on 10.8" dbh. 2016 mean BA 178 from 6 plots. Intermittent stream runs through the stand. Aspen is along the intermittent stream. Thinned in February 2020. Approx. 1.3 acre bark beetle pocket was clearcut in the north part of the stand. Residual BA about 125 excluding clearcut patch. 2024 BA's 120, 140, 120.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		98		12	68	Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Black Cherry		1		10		Beech		Medium	Variable	Variable
Quaking Aspen		1		14		Ironwood		Low	Variable	Variable
						White Pine		Low	Variable	Variable
						Black Cherry		Low	Variable	Variable
117	4130 - Aspen	Sapling Well	3.3	14	Immature	N/A	Clearcut in 4/2011 under sale #610790901, with marked SM and other residuals. Small patch uncut at north end of stand and in intermittent stream valley at south end.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		15		10	101	Sugar Maple		Low	Variable	Variable
Bigtooth Aspen		5		14		Beech		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		70	Log	2	14	Ironwood		Low	Variable	Variable
Ironwood		3	Sapling	6						
White Pine		2		10						
Black Cherry		5	Log	2	14					
118	3103 - Rubus-Fern	Unspecified	1.5			Yes	Some mature trees removed in February 2020 commercial harvest.			
Sub-Canopy Species		Density	Avg. Height	Size						
Black Cherry		Trace	>20 feet	>20 feet						
Blackberry/Raspberry		Medium	< 5 feet	< 5 feet						
Red Pine		Low	< 5 feet	< 5 feet						
Bracken Fern		High	Not Applicable	Not Applicable						
Autumn Olive		Trace	5 - 10 feet	5 - 10 feet						
119	4110 - Sugar Maple Association	Sawtimber Well	1.6	99	81-110	N/A	Poor quality hardwoods. Much of the sugar maple is multi-stemmed. 2016 BAs: 70, 130, 110; mean 103. Intermittent stream at the north edge of the stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		68		14	99	Sugar Maple		Low	Variable	Variable
Black Cherry		20		12		Ironwood		Medium	>20 feet	>20 feet
American Elm		2		10						
Ironwood		10	Sapling	5						
120	3303 - Mixed Low Density Trees	Unspecified	2.2			No	Old field filling in. Most of the mature trees were removed in a Feb. 2020 commercial harvest.			
Sub-Canopy Species		Density	Avg. Height	Size						
Sugar Maple		Low	Variable	Variable						
Autumn Olive		Trace	5 - 10 feet	5 - 10 feet						
White Pine		Low	Variable	Variable						
White Pine		Low	Variable	Variable						
Black Cherry		Trace	>20 feet	>20 feet						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
121	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	6.7	100	51-80	N/A	Selection harvested in February 2020, residual BA about 75. Small amounts of red pine and black cherry.				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
	Sugar Maple	60		11	100	White Pine		Low	5 - 10 feet	5 - 10 feet	
	Red Maple	23		12		Sugar Maple		Low	Variable	Variable	
	Bigtooth Aspen	4		12	64	Ironwood		Medium	Variable	Variable	
	Beech	4		12							
	Quaking Aspen	5		13	64						
	White Pine	4		10							
122	6113 - Lowland Maple	Poletimber Well	5.1	67	Unspecified	N/A	many lowland potholes and drainages throughout				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	70		10	67	White Pine	Medium	>20 feet	>20 feet		
	Bigtooth Aspen	30		11	67	White Pine	Medium	Variable	Variable		
						Ironwood	High	>20 feet	>20 feet		
						Beech	Low	>20 feet	>20 feet		
123	4130 - Aspen	Unspecified	4.6	5	Immature	N/A	Clearcut in February 2020 with scattered residuals, including some red oak. sale 61-032-19(1)				
	Canopy Species	% Cover	Size Class	DBH	Age						
	Black Cherry	5	Log	1	5						
	Sugar Maple	5	Log	1	5						
	Red Maple	5	Log	1	5						
	Bigtooth Aspen	85	Log	1	5						
124	4130 - Aspen	Poletimber Well	11.7	63	Unspecified	N/A					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
	White Pine	1		18		Sugar Maple	High	Variable	Variable		
	Black Cherry	2		11		Beech	Low	Variable	Variable		
	Quaking Aspen	5		10	63						
	Beech	1		17							
	Sugar Maple	1		9							
	Red Maple	5		9	63						
	Bigtooth Aspen	85		10	63						
125	4130 - Aspen	Unspecified	12.0	5		N/A	Clearcut in Feb. 2020 with 2 retention islands and scattered residual white pine.				
	Canopy Species	% Cover	Size Class	DBH	Age						
	Sugar Maple	5	Log	1	5						
	Red Maple	5	Log	1	5						
	Bigtooth Aspen	80	Log	1	5						
	White Pine	5		12							
	Black Cherry	5	Log	1	5						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
126	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	2.9	63	51-80	N/A	Selection harvested February 2020, residual BA about 80.																																																							
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127	4130 - Aspen	Unspecified	11.5	5		N/A	Clearcut January 2021, with two residual islands plus some scattered white pine.																																																							
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Sub-Canopy Species	Density	Avg. Height	Size																																																											
Beech	Low	Variable	Variable																																																											
Sugar Maple	High	Variable	Variable																																																											
Red Maple	Low	>20 feet	>20 feet																																																											
129	4130 - Aspen	Unspecified	11.6	5		N/A	Clearcut in Feb. 2020 with 3 retention islands and scattered residual white pine.																																																							
<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>5</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Sugar Maple</td><td>5</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Bigtooth Aspen</td><td>75</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>Black Cherry</td><td>10</td><td>Log</td><td>1</td><td>5</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Beech	5	Log	1	5	Sugar Maple	5	Log	1	5	Red Maple	5	Log	1	5	Bigtooth Aspen	75	Log	1	5	Black Cherry	10	Log	1	5																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
130	4139 - Aspen, Mixed Deciduous	Sapling Well	8.9	5	1-50	N/A																																									
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131	4136 - Aspen, Mixed Conifer	Sapling Well	4.1	4	Immature	N/A	Has a few nice northern red oak trees.																																								
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132	4139 - Aspen, Mixed Deciduous	Sapling Well	19.3	4	Immature	N/A																																									
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Red Oak	10		14	93																																											
134	4130 - Aspen	Poletimber Well	4.2	65	Unspecified	N/A	Occasional oak.fir invading on east side along wet edge.old fir plw line along east side.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
135	3301 - Low Density Deciduous Trees	Unspecified	5.9			No	Open areas are composed of mixed grasses, with cherry and juneberry present. Clumps of upland deciduous, similar to adjacent stand.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable	
								Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet	
								Mixed Grasses	Medium	Not Applicable	Not Applicable	
								Autumn Olive	Trace	5 - 10 feet	5 - 10 feet	
								Black Cherry	Low	Variable	Variable	
								St. Johns Wort	Trace	Not Applicable	Not Applicable	
								Deciduous Saplings	Medium	Variable	Variable	
								Blackberry/Raspberry	Trace	5 - 10 feet	5 - 10 feet	
136	4130 - Aspen	Poletimber Well	4.1	65	Unspecified	N/A	Occasional oak.fir invading on east side along wet edge.old fir plw line along east side.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	55		8	65
								Red Maple	20		8	
								Bigtooth Aspen	10		12	
								Black Cherry	15	Seedling	8	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Maple	Full	Variable	Variable	
								Balsam Fir	Low	Variable	Variable	
								137	3301 - Low Density Deciduous Trees	Unspecified	9.4	
Sub-Canopy Species	Density	Avg. Height	Size									
Bracken Fern	Medium	Not Applicable	Not Applicable									
Red Pine	Low	Variable	Variable									
White Pine	Low	Variable	Variable									
White Pine	Low	Variable	Variable									
Black Cherry	Medium	Variable	Variable									
Red Oak	Medium	Variable	Variable									
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet									
Poverty Grass	Medium	Not Applicable	Not Applicable									
Spotted Knapweed	Medium	Not Applicable	Not Applicable									
Mixed Grasses	Low	Not Applicable	Not Applicable									
138	42200 - Natural White Pine	Unspecified	6.8	30	1-50	N/A	This area was treated for oak wilt in approx 2012. vibratory plow was used and staff from TC DNR cut down all mature red oak.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	100		7	30
								Sub-Canopy Species	Density	Avg. Height	Size	
								Mixed Grasses	Low	Not Applicable	Not Applicable	
								Bracken Fern	Medium	Not Applicable	Not Applicable	
								Black/Red (Hybrid) Oak	Medium	Variable	Variable	
								Black Cherry	Low	Variable	Variable	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
139	4199 - Other Mixed Upland Deciduous	Unspecifed	3.1	70	51-80	N/A																																																												
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Red Oak	Medium	Variable	Variable																																																															
140	4119 - Mixed Northern Hardwoods	Sawtimber Well	13.9	93	51-80	N/A	Mostly med. to low quality maple. Lots of multi-stemsDry upland conditions...no indicator plants here.																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Sugar Maple</td><td>30</td><td></td><td>14</td><td>93</td></tr><tr><td>Red Maple</td><td>30</td><td></td><td>12</td><td>80</td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Beech</td><td>10</td><td></td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>20</td><td></td><td>16</td><td>93</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	5		10		Sugar Maple	30		14	93	Red Maple	30		12	80	Bigtooth Aspen	5		12		Beech	10		12		Red Oak	20		16	93	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Beech</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>High</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	>20 feet	>20 feet	Red Maple	Low	>20 feet	>20 feet	Beech	Medium	Variable	Variable	Ironwood	High	Variable	Variable					
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141	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	3.0	90	51-80	N/A	Good diversity in species and structure.																																																											
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142	500 - Water	Unspecifed	1.3			No	small pond or marsh area																																																											