

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 Trial #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:

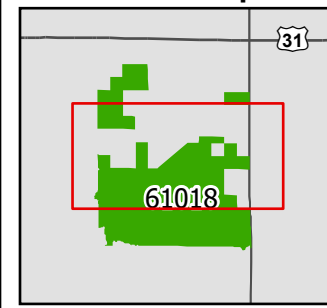
The following reports from the Inventory are attached:

- 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**

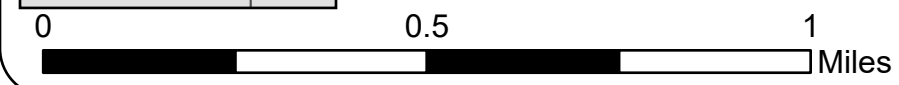
The following information is displayed, where pertinent, on the attached compartment maps:

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

Cover Type & Treatments Map

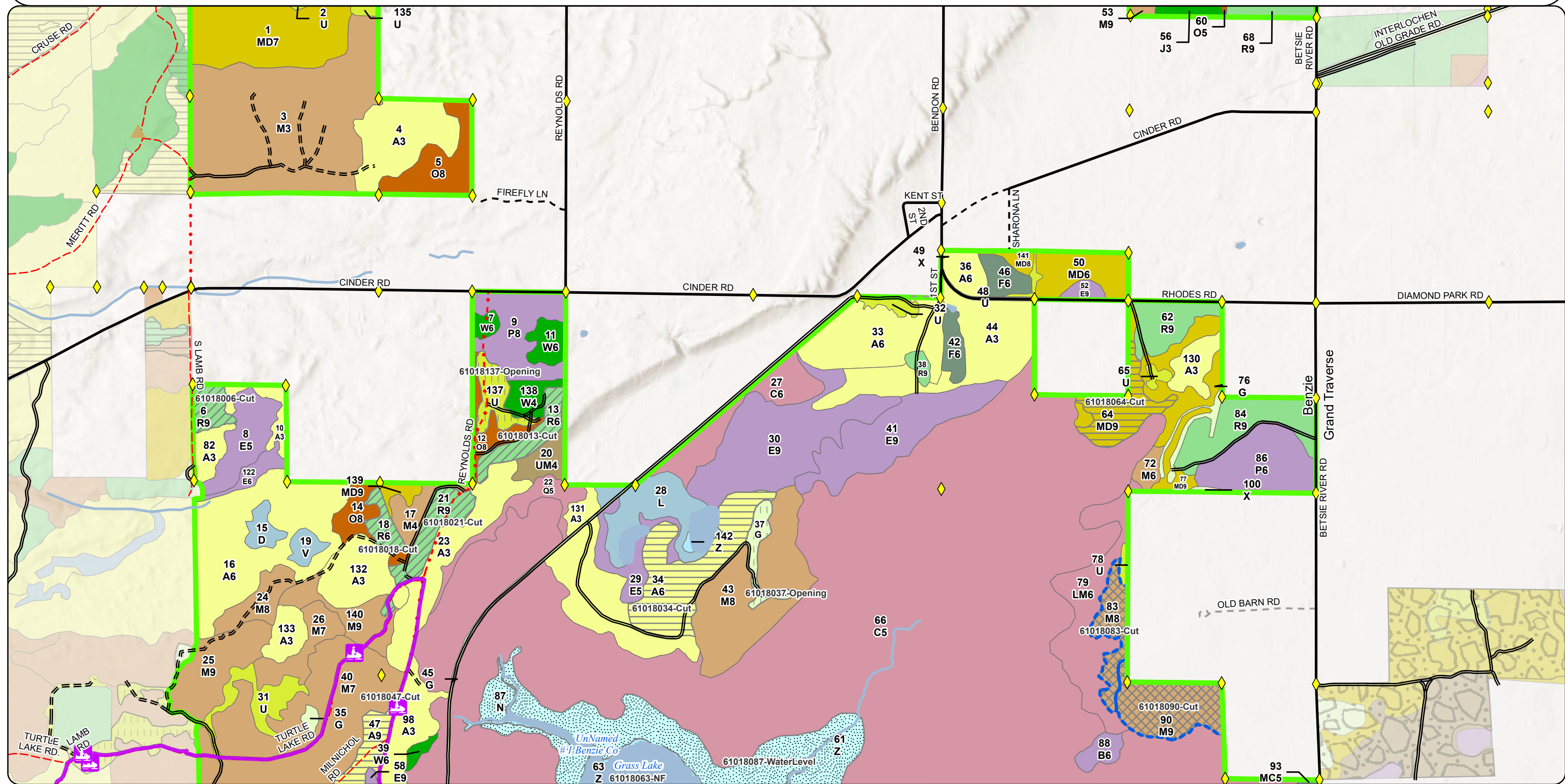


Compartment: 61018
 T26N R13W 22,24-27,34-36
 County: Benzie
 Unit: Traverse City
 Mgmt. Area: Grand Traverse Moraine
 YOE: 2027
 Acres: 3,793 GIS Calculated
 Examiner: Craig Allen
 Date Exported: 1/9/2026
 Map Phase: Post Maps

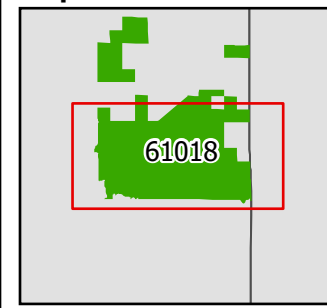


- ◆ Survey Grade Corners
- ▲ Berm
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Clearcut
- Selection
- Thinning
- Openings Mgmt.
- Water Level Mgmt.
- Treatments with Site Conditions

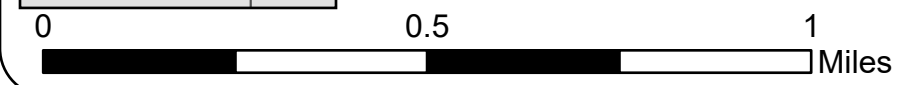
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated



Stand Boundary Map

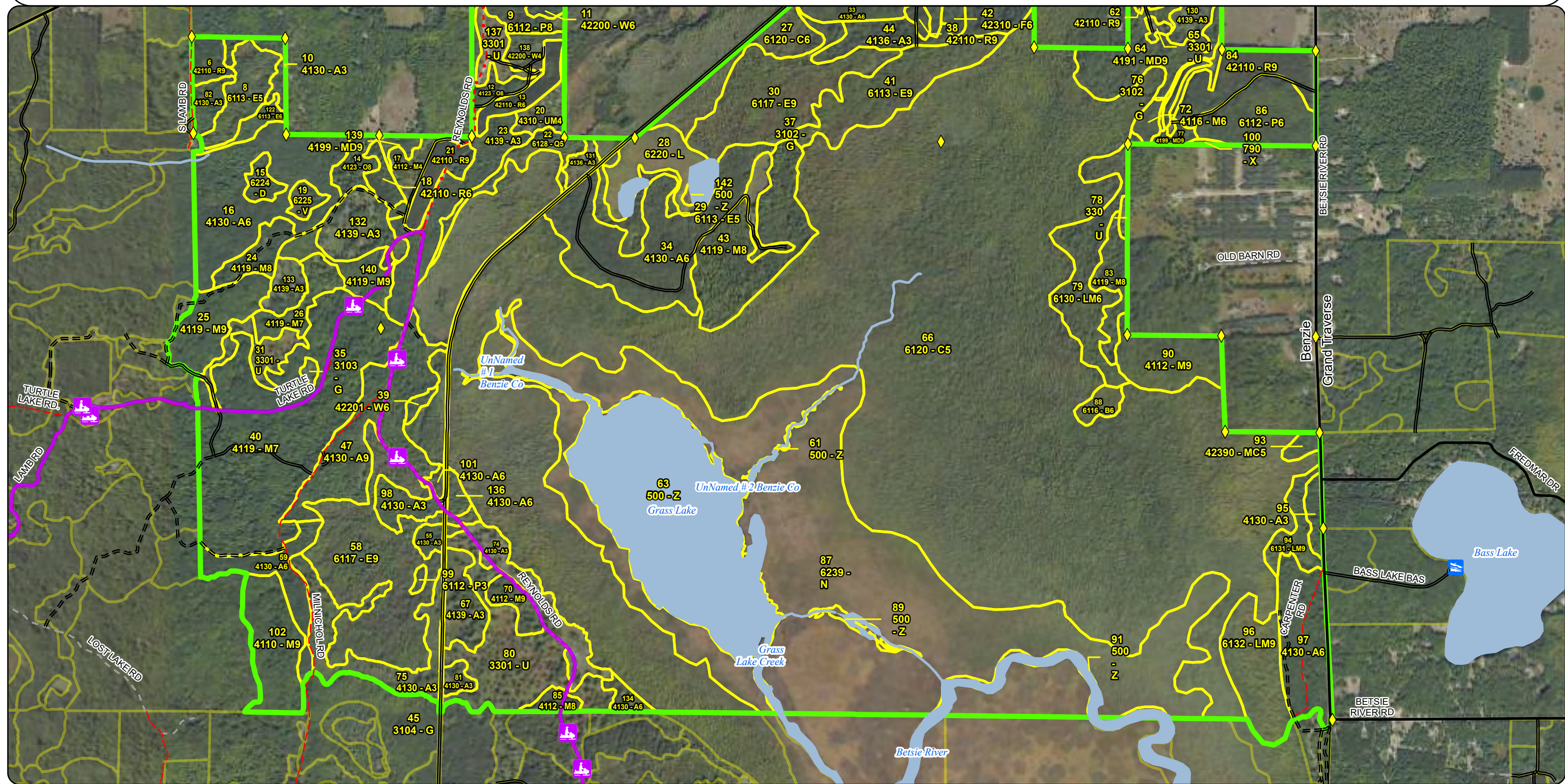


Compartment: 61018
 T26N R13W 22,24-27,34-36
 County: Benzie
 Unit: Traverse City
 Mgmt. Area: Grand Traverse Moraine
 YOE: 2027
 Acres: 3,793 GIS Calculated
 Examiner: Craig Allen
 Date Exported: 1/9/2026
 Map Phase: Post Maps



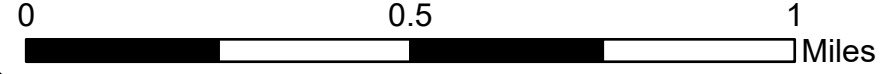
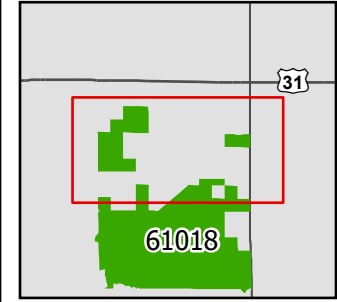
- Survey Grade Corners
- Boating Access Site
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- 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
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

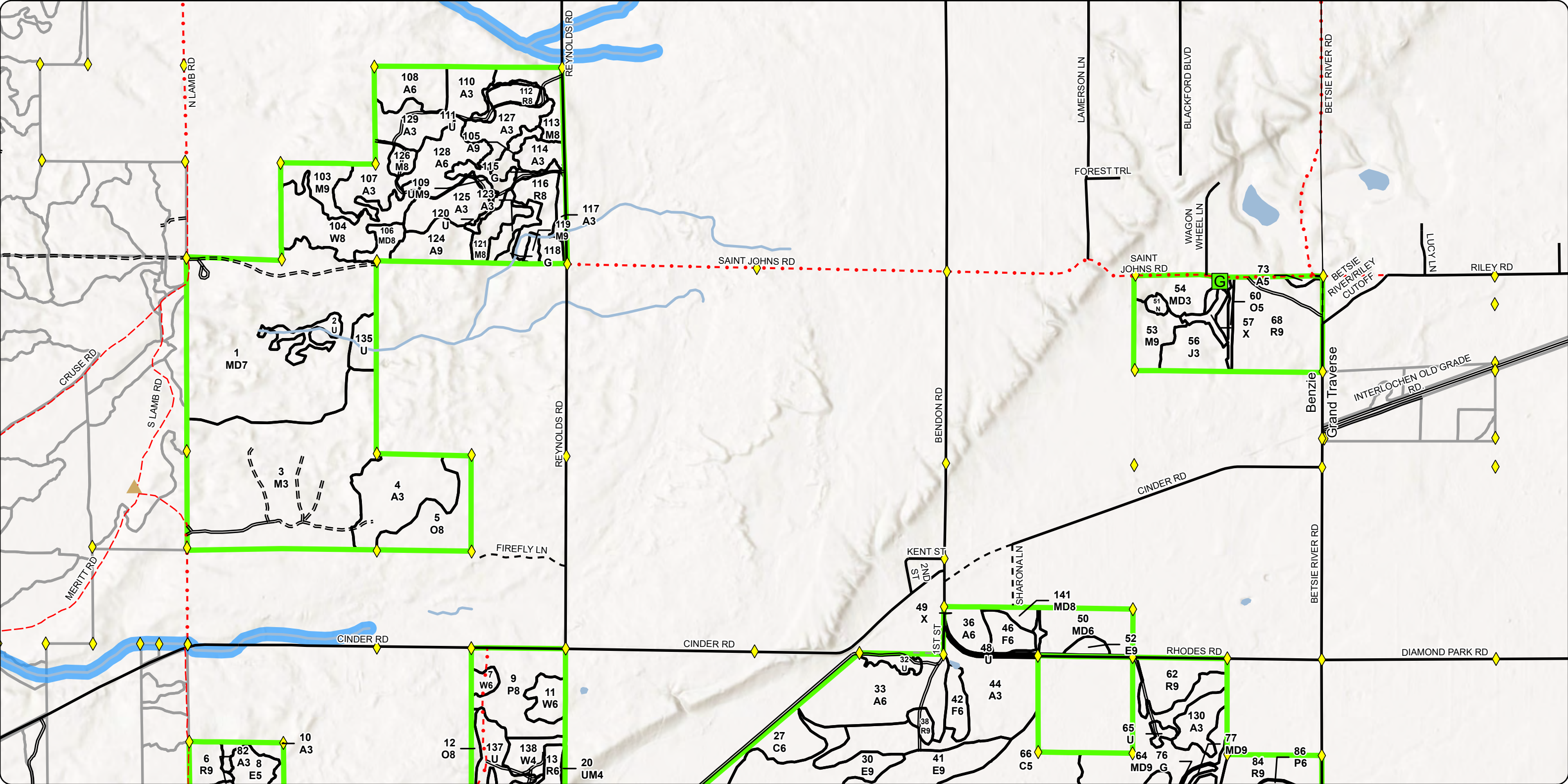


**Special Conservation Areas
& Site Conditions Map**

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: 1/9/2026
 Map Phase: Post Maps

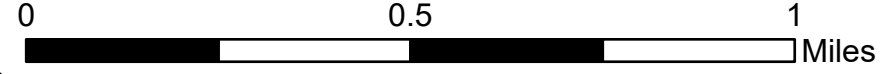
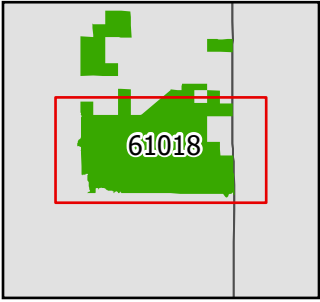


- ◆ Survey Grade Corners
- ▲ Berm
- G Gate
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Streams

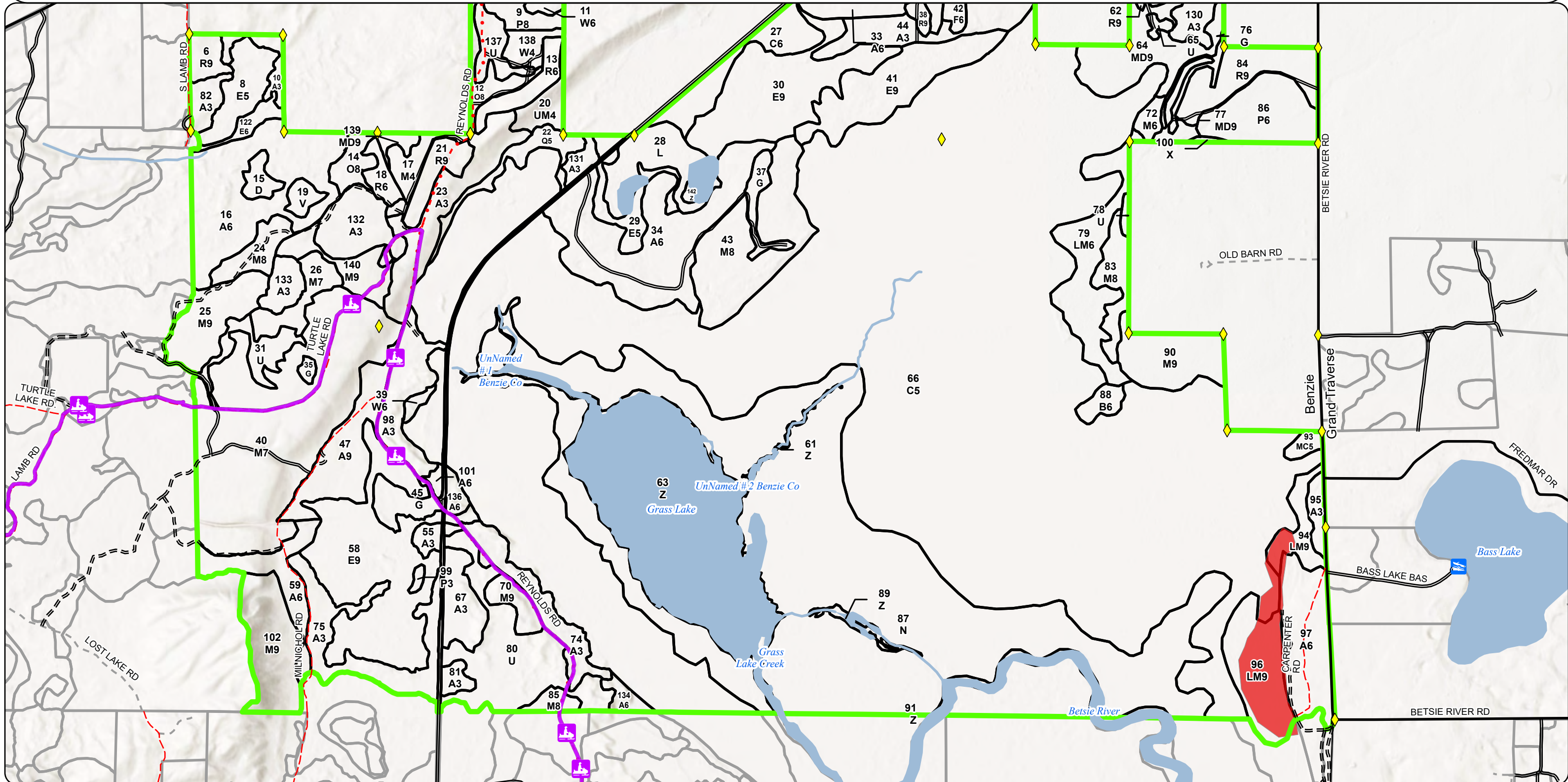


Special Conservation Areas & Site Conditions Map

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: 1/9/2026
 Map Phase: Post Maps



- ◆ Survey Grade Corners
- Boating Access Site
- Designated Snowmobile
- DNR - Secondary Forest Road
- = = = DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas



Report 1 – Total Acres by Cover Type and Age Class

Traverse City Mgt. Unit

Compartment 18

Year of Entry 2027

Craig Allen: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	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	0	28	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	0	83	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	70	117	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	30	81	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	0	117	167	120	37	312	225	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	Overstory 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

S
t
a
n
d

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

Approved Treatments:

6	61018006-Cut	7.0	42110 - Planted Red Pine	9	69	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>											
13	61018013-Cut	9.9	42110 - Planted Red Pine	6	57	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. Any dieback pockets should cleaned up by marking all the trees within poc</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>											
18	61018018-Cut	7.8	42110 - Planted Red Pine	6	39	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><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 acces</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>											

S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
21 61018021-Cut	10.7	42110 - Planted Red Pine	9	69	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription Specs:</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>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
34 61018034-Cut	36.3	4130 - Aspen	6	53	Unspecified	Harvest	Clearcut	4130 - Aspen	Planting Record	No
<p><u>Prescription Specs:</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,</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, maple, cherry, oak,</p> <p><u>Other Comment:</u> Use drumming log spec in contract.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
37 61018037-Opening	6.7	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<p><u>Prescription Specs:</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</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
47 61018047-Cut	28.1	4130 - Aspen	9	67	Unspecified	Harvest	Clearcut	4130 - Aspen	Planting Record	No
<p><u>Prescription Specs:</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.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, maple, cherry,</p> <p><u>Other Comment:</u> Use drumming log spec in contract. Also, use snowmobile trail spec.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

S
t
a
n
d

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

63	61018063-NF	138.2	500 - Water	99		NonForestMgt	Openings Mgmt.	621 - Floating Aquatic	Previous Inventory	No
-----------	--------------------	-------	-------------	----	--	--------------	----------------	------------------------	--------------------	----

Prescription Water level and vegetation will be managed via the Grass Lake Wildlife Management Area plan, upon the plan's completion and approval.
Specs: The Grass Lake Dam is located in compartment 20. The Grass Lake Wildlife Management Area and associated flooding are co

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

64	61018064-Cut	16.6	4191 - Mixed Upland Deciduous with Conifer	9	88 81-110	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
-----------	---------------------	------	--	---	-----------	---------	----------	--	-----------------	----

Prescription 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 r

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Maple, aspen, cherry, spruce, oak, birch, white pine.
Regen:

Other Add drumming log spec to Contract.Add Oak wilt spec.Long term retention for this harvest already accounted for in SC layer as
Comment: discussed above.

Site Condition:

Proposed Start Date: 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
-----------	-------------------------	------	------------------------------------	----	--	----------------	----------------	-----------------------------	--------------------	----

Prescription 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 wild

Next Step
Treatments:

Acceptable
Regen:

Other May want/need to plant herbaceous species for wildlife forage needs. Consider an appropriate native species, but don't rule out pasture mix
Comment: (i.e. alfalfa/clover). Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning,

Site Condition: Long-Term Retention

Proposed Start Date: 10/01/2026

S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
83 61018083-Cut	12.7	4119 - Mixed Northern Hardwoods	8	106	51-80	Harvest	Selection	4119 - Mixed Northern Hardwoods	Current	No
<p><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></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> red maple, red oak, black cherry, white pine. <u>Regen:</u></p> <p><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.</p> <p><u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026</p>										
87 61018087-WaterLevel	405.4	6239 - Mixed Emergent Wetland	99			Water Level Mgmt.	Water Level Mgmt.	6239 - Mixed Emergent Wetland	Previous Inventory	No
<p><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></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> Invasive removal could require drawdowns, burning, and possibly chemical treatments. <u>Comment:</u></p> <p><u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</p>										
90 61018090-Cut	24.3	4112 - Maple, Beech, Cherry Association	9	117	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Select thin mark to leave approximately 80-90 residual BA. Mark poor form, suppressed, defect trees. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> sugar maple, red maple, beech, cherry, basswood, birch <u>Regen:</u></p> <p><u>Other</u> Can only achieve harvest if obtain access to stand across private property. Add oak wilt spec. <u>Comment:</u></p> <p><u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026</p>										

S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
137 61018137-Opening	9.4	3301 - Low Density Deciduous Trees	99			Openings Mgmt.	Openings Mgmt.	3105 - Mixed Upland Herbaceous	Previous Inventory	No
<p><u>Prescription</u> Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs</p> <p><u>Specs:</u> and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wil</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 760.5
Acreage Proposed:

Report 4 – Site Conditions

Traverse City Mgt. Unit
Craig Allen: Examiner

Compartment: 18
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		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

Traverse City Mgt. Unit
 Craig Allen: Examiner

Compartment: 18
 Year of Entry: 2027

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

Traverse City Mgt. Unit

Craig Allen: Examiner

Compartment: 18

Year of Entry: 2027

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

Traverse City Mgt. Unit

Craig Allen: Examiner

Compartment: 18

Year of Entry: 2027

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

Traverse City Mgt. Unit

Craig Allen: Examiner

Compartment: 18

Year of Entry: 2027

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

Report 4 – Site Conditions

Traverse City Mgt. Unit

Craig Allen: Examiner

Compartment: 18

Year of Entry: 2027

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
-----------------	---------------------	--------------------	-----------------------	--------------

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	97	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.
----------	--	----------------	-------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	22	Pole/Log	9	
Red Maple	15	Pole/Log	9	
Red Oak	40	Log/Pole	12	97
White Pine	15	Log/Pole	10	
Red Pine	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Variable
Bigtooth Aspen	Medium	10 - 20 feet	10 - 20 feet

2	3301 - Low Density Deciduous Trees	None	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
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet
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
Black Cherry	Low	Variable	Variable

3	4119 - Mixed Northern Hardwoods	Sapling Well	107.7	6	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.
----------	---------------------------------	--------------	-------	---	----------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Sapling	1	6
Red Maple	15	Sapling	1	
Beech	15	Sapling	1	
Red Oak	10	Log/Pole/Sap	16	91
Quaking Aspen	15	Sapling	1	6
White Pine	15	Pole/Sap/Log	8	6
Black Cherry	15	Sapling	1	

4	4130 - Aspen	Sapling Well	28.8	37	Unspecified	N/A	Raspberries Various seedlings species present.
----------	--------------	--------------	------	----	-------------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	4	37
Red Oak	10	Sapling/Pole	4	37
Bigtooth Aspen	70	Sapling/Pole	4	37
Black Cherry	10	Sapling/Pole	4	37

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	96	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	Log/Pole	12		Black Cherry	Medium	Variable	Variable
Red Maple		15	Log/Pole	12		Beech	Medium	Variable	Variable
Red Oak		70	XLog/Log/Pole	18	96	Sugar Maple	Medium	Variable	Variable
						Red Maple	Medium	Variable	Variable
6	42110 - Planted Red Pine	Sawtimber Well	7.0	69	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	Log/Pole	10	69	Beech	High	Variable	Variable
7	42200 - Natural White Pine	Poletimber Well	2.8	71	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		15	Pole	8		Sugar Maple	Low	Variable	Variable
White Pine		70	Pole/Log	9	71	Red Maple	Medium	Variable	Variable
Red Pine		5	Log/Pole	10		White Pine	Medium	Variable	Variable
Black Cherry		10	Pole/Log	8		Black Cherry	Medium	Variable	Variable
8	6113 - Lowland Maple	Poletimber Medium	16.8	71	81-110	N/A	Standing water.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		60	Log/Pole	10	71	Black Ash	Medium	Variable	Variable
Yellow Birch		5	Log/Pole	10		Red Maple	High	>20 feet	>20 feet
Bigtooth Aspen		10	Log/Pole	10		Alder	High	5 - 10 feet	5 - 10 feet
White Pine		15	Log/Pole	10		Northern White Cedar	Low	>20 feet	>20 feet
Hemlock		10	Log/Pole	10		Hemlock	Medium	>20 feet	>20 feet
9	6112 - Lowland Aspen	Sawtimber Medium	24.6	66	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
American Elm		3	Pole/Log	9		White Pine	Low	>20 feet	>20 feet
Quaking Aspen		70	Log/Pole	13	66	American Elm	High	>20 feet	>20 feet
White Pine		15	Log/Pole/XLog	15		Red Maple	Medium	>20 feet	>20 feet
Black Ash		3	Pole	8		Black Ash	High	>20 feet	>20 feet
Black Cherry		9	Pole/Log	9		Serviceberry (Juneberry)	Medium	10 - 20 feet	10 - 20 feet
10	4130 - Aspen	Sapling Well	6.4	8	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 Maple		30	Sapling	1	8	White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Oak		5	Pole	8		White Pine	Medium	>20 feet	>20 feet
Bigtooth Aspen		65	Sapling	1	8	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	Poletimber Well	6.7	31	1-50	N/A	likely an old field that seeded in naturally with white pine over time.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	90	Pole	8	31	White Pine	High	Variable	Variable
Black Cherry	10	Log/Pole	10					

12	4123 - Red Oak	Sawtimber Medium	8.3	91	51-80	N/A		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log/Pole	14		White Pine	Medium	Variable	Variable
Red Oak	90	Log/Pole	14	91	Sugar Maple	Low	Variable	Variable
White Pine	5	Pole/Sapling	7		Red Pine	Low	Variable	Variable

13	42110 - Planted Red Pine	Poletimber Well	9.9	57	171-200	N/A	Seedlings = sugar and red maple. Thinned feb. of 2008 = every 3rd row.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log	10	57	Sugar Maple	Medium	Variable	Variable

14	4123 - Red Oak	Sawtimber Medium	9.0	96	1-50	N/A		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	12		Beech	Medium	Variable	Variable
Red Oak	75	Log/Pole	14	96	White Pine	Low	Variable	Variable
Ironwood	5	Pole/Sapling	6		Black Cherry	Medium	10 - 20 feet	10 - 20 feet
					Ironwood	Low	10 - 20 feet	10 - 20 feet
					Sugar Maple	Medium	Variable	Variable

15	6224 - Treed Bog	None	5.0			No	Seasonal standing water. Various shrubs, pine, and hardwood species. Nice snag, south end. Various shrubs and ferns.
Sub-Canopy Species	Density	Avg. Height	Size				
White Pine	Low	Variable	Variable				
Leatherleaf	High	5 - 10 feet	5 - 10 feet				
Red Maple	Low	Variable	Variable				
Quaking Aspen	Trace	Variable	Variable				
Sedges	Low	Not Applicable	Not Applicable				
Hemlock	Low	Variable	Variable				
Alder	Medium	5 - 10 feet	5 - 10 feet				
Sphagnum Moss	High	Not Applicable	Not Applicable				

16	4130 - Aspen	Poletimber Well	59.3	39	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.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	45	Pole	7	39	Black Cherry	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	35	Pole	7	39	Blueberry/Bilberry/Cranberry	Medium	5 - 10 feet	5 - 10 feet
White Pine	5	Log/XLog	12		Red Maple	High	10 - 20 feet	10 - 20 feet
Black Cherry	15	Pole	7	39	Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

17 4112 - Maple, Beech, Cherry Association Poletimber Poor 8.0 61 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole/Sapling	6	61	Blackberry/Raspberry	High	5 - 10 feet	5 - 10 feet
Red Oak	10	Pole/Sapling	6		White Pine	Low	5 - 10 feet	5 - 10 feet
Black Cherry	60	Pole/Sapling	6	61	Black Cherry	Medium	Variable	Variable
					Red Oak	Low	Variable	Variable
					Mixed Grasses	Medium	Not Applicable	Not Applicable
					Bracken Fern	High	Not Applicable	Not Applicable

18 42110 - Planted Red Pine Poletimber Well 7.8 39 171-200 N/A Has inclusions of red oak (saw & pole).

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Pole	7	
Red Oak	10	Log/Pole	10	
Red Pine	85	Pole	7	39
Black Cherry	2	Pole	7	

19 6225 - Bog None 4.1 No Seasonally has standing water.

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Sedges	Low	Not Applicable	Not Applicable
Sphagnum Moss	High	Not Applicable	Not Applicable
Blueberry/Bilberry/Cranberry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable

20 4310 - Pine, Oak Mix Poletimber Poor 8.0 57 1-50 N/A Steep hill along north side of the stand. dry site. Some barren spots. Pole oak and pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Pole/Log	8		Common Or Ground Juniper	Trace	5 - 10 feet	5 - 10 feet
White Pine	25	Log/Pole	12		Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet
Red Pine	30	Pole/Log	9	57	Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable
Black Cherry	25	Pole	7		Bracken Fern	Full	Not Applicable	Not Applicable
					Serviceberry (Juneberry)	Low	Variable	Variable

21 42110 - Planted Red Pine Sawtimber Well 10.7 69 171-200 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.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log/Pole/XLog	11	69	Beech	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

22 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 11.6 116 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	12	
Bigtooth Aspen	5	Pole/Log	9	81
Balsam Fir	10	Pole	8	
Northern White Cedar	25	Pole	8	116
White Pine	20	XLog/Log/Pole	20	
Hemlock	20	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Hemlock	Low	Variable	Variable
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	High	Variable	Variable

23 4139 - Aspen, Mixed Deciduous Sapling Well 29.3 26 Unspecified N/A

Low shrub = raspberries. Contains some older residual pole and log sized red oak left uncut from harvest in 2000.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	3	
Beech	5	Sapling	3	
Red Oak	10	Pole/Log	6	
Bigtooth Aspen	40	Sapling	4	26
Balsam Fir	5	Sapling	3	
Black Cherry	20	Sapling	3	

24 4119 - Mixed Northern Hardwoods Sawtimber Medium 10.7 91 51-80 N/A

Lots of variability in size class & species mix. Lots of multi- stem trees. Natural openings/ semi-open areas.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Log	12	
Red Maple	35	Log/Pole	12	91
Red Oak	20	Log/Pole	10	
Quaking Aspen	15	Log/Pole	10	
Black Cherry	15	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	>20 feet	>20 feet
Ironwood	Medium	>20 feet	>20 feet
White Pine	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable
Red Maple	High	>20 feet	>20 feet

25 4119 - Mixed Northern Hardwoods Sawtimber Well 23.5 94 81-110 N/A

Mostly med. to low quality maple. Lots of multi-stems Dry upland conditions...no indicator plants here.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	30	Log/Pole	14	94
Red Maple	30	Log/Pole	12	81
Beech	10	Log/Pole	12	
Red Oak	20	Log/XLog/Pole	16	94
Bigtooth Aspen	5	Log/Pole	12	
Black Cherry	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	High	Variable	Variable
Beech	Medium	Variable	Variable
Sugar Maple	Medium	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet

26 4119 - Mixed Northern Hardwoods Sawtimber Poor 12.2 91 1-50 N/A

Mixed with natural openings. mid to low quality timber. seedlings= lots of beech!

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole/XLog	14	91
Red Maple	20	Log/Pole/XLog	12	
Red Oak	40	Log/Pole/XLog	14	91

Sub-Canopy Species	Density	Avg. Height	Size
Beech	High	Variable	Variable
Red Oak	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
27	6120 - Lowland Cedar	Poletimber Well	20.9	119	Unspecified	N/A	Standing water in majority of stand																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>85</td> <td>Pole/Log</td> <td>9</td> <td>119</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	9		Paper Birch	5	Pole/Log	9		Northern White Cedar	85	Pole/Log	9	119	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Ash</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Ash	Medium	5 - 10 feet	5 - 10 feet	Hemlock	Low	10 - 20 feet	10 - 20 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																					
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Red Maple	10	Pole/Log	9																																																									
Paper Birch	5	Pole/Log	9																																																									
Northern White Cedar	85	Pole/Log	9	119																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Black Ash	Medium	5 - 10 feet	5 - 10 feet																																																									
Hemlock	Low	10 - 20 feet	10 - 20 feet																																																									
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																									
28	6220 - Alder/Willow	None	27.4			No	Clump of hardwoods northwest side. From railroad grade, dominated by sedges and willows. Wet. Could not see SE side.																																																					
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sedges</td> <td>Full</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Cattail spp.</td> <td>Low</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Willow spp.</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sedges	Full	Not Applicable	Not Applicable	Cattail spp.	Low	Not Applicable	Not Applicable	Willow spp.	High	Variable	Variable																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Sedges	Full	Not Applicable	Not Applicable																																																									
Cattail spp.	Low	Not Applicable	Not Applicable																																																									
Willow spp.	High	Variable	Variable																																																									
29	6113 - Lowland Maple	Poletimber Medium	11.5	102		N/A	some standing water, seasonably flooded.																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>80</td> <td>Log/Pole</td> <td>10</td> <td>102</td> </tr> <tr> <td>Quaking Aspen</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	80	Log/Pole	10	102	Quaking Aspen	20	Pole/Log	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>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> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	Alder	Medium	5 - 10 feet	5 - 10 feet																														
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Red Maple	80	Log/Pole	10	102																																																								
Quaking Aspen	20	Pole/Log	9																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Balsam Fir	Low	Variable	Variable																																																									
Alder	Medium	5 - 10 feet	5 - 10 feet																																																									
30	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	53.5	101	Unspecified	N/A	Some good areas of hemlock regen. (3 to 5' tall).																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>50</td> <td>Log/XLog</td> <td>14</td> <td>101</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>35</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	50	Log/XLog	14	101	Paper Birch	10	Log/Pole	11		White Pine	5	XLog/Log	22		Hemlock	35	Log/Pole	11		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 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>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Red Maple	Low	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Northern White Cedar	Medium	>20 feet	>20 feet	Hemlock	Medium	< 5 feet	< 5 feet	Hemlock	Medium	Variable	Variable				
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Red Maple	50	Log/XLog	14	101																																																								
Paper Birch	10	Log/Pole	11																																																									
White Pine	5	XLog/Log	22																																																									
Hemlock	35	Log/Pole	11																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Balsam Fir	Medium	Variable	Variable																																																									
Red Maple	Low	Variable	Variable																																																									
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																									
Northern White Cedar	Medium	>20 feet	>20 feet																																																									
Hemlock	Medium	< 5 feet	< 5 feet																																																									
Hemlock	Medium	Variable	Variable																																																									
31	3301 - Low Density Deciduous Trees	None	12.1			No	Various aged black cherry with clumps of maples. Mixed ground cover.																																																					
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Variable</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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Cladonia (Reindeer moss)</td> <td>Low</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	Variable	Variable	Mixed Grasses	Medium	Not Applicable	Not Applicable	St. Johns Wort	Trace	Not Applicable	Not Applicable	Red Maple	Medium	Variable	Variable	Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable	Bracken Fern	High	Not Applicable	Not Applicable																													
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Black Cherry	Medium	Variable	Variable																																																									
Mixed Grasses	Medium	Not Applicable	Not Applicable																																																									
St. Johns Wort	Trace	Not Applicable	Not Applicable																																																									
Red Maple	Medium	Variable	Variable																																																									
Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable																																																									
Bracken Fern	High	Not Applicable	Not Applicable																																																									
32	3301 - Low Density Deciduous Trees	None	3.4			No																																																						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	4130 - Aspen	Poletimber Well	35.1	37	Unspecified	N/A	Some scattered pole size white pine, red pine and oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	5	37	Choke Cherry	Medium	5 - 10 feet	5 - 10 feet
Red Oak	2	Pole/Sapling	5	37	Red Maple	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	94	Pole/Sapling	5	37	Quaking Aspen	Low	10 - 20 feet	10 - 20 feet
Black Cherry	2	Pole/Sapling	5	37	Black Cherry	High	10 - 20 feet	10 - 20 feet

34	4130 - Aspen	Poletimber Well	67.9	53	Unspecified	N/A	Some wet areas in stand. Also contains some scattered red oak of various size.
----	--------------	-----------------	------	----	-------------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Black Cherry	High	Variable	Variable
Quaking Aspen	25	Pole	7		Beech	Low	Variable	Variable
Bigtooth Aspen	50	Pole/Log	9	53	Sugar Maple	Low	Variable	Variable
Balsam Fir	10	Pole/Log	8		Red Maple	High	Variable	Variable
Black Cherry	10	Pole/Log	9		Balsam Fir	Medium	Variable	Variable

35	3103 - Rubus-Fern	None	1.5			No	
----	-------------------	------	-----	--	--	----	--

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	Variable	Variable
Quaking Aspen	Low	Variable	Variable
Red Maple	Low	Variable	Variable
Bracken Fern	Full	Not Applicable	Not Applicable
Mixed Grasses	Trace	Not Applicable	Not Applicable
White Pine	Trace	Variable	Variable
Black Cherry	Low	Variable	Variable

36	4130 - Aspen	Poletimber Well	7.5	28	Unspecified	N/A	Good diversity.
----	--------------	-----------------	-----	----	-------------	-----	-----------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	5	28	White Pine	Medium	Variable	Variable
Red Oak	5	Log/Pole	16		Black Cherry	High	5 - 10 feet	5 - 10 feet
Quaking Aspen	35	Pole/Sapling	5	28	Bigtooth Aspen	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	35	Pole/Sapling	5	28	Quaking Aspen	Medium	5 - 10 feet	5 - 10 feet
White Pine	5	Log/Pole	10					

37	3102 - Grass	None	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	70	141-170	N/A	Red maple will take over stand eventually.
----	--------------------------	----------------	-----	----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log/XLog	14	70	Red Maple	Full	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	2.1	82	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Log/Pole	10		White Pine	
Bigtooth Aspen		15	Log/Pole	10		High	
White Pine		70	Log/Pole	10	82	Variable	
						Variable	
40	4119 - Mixed Northern Hardwoods	Sawtimber Poor	130.6	96	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.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		15	Log/Pole	11		Ironwood	
Red Maple		30	Log/Pole	12	84	Low	
Beech		15	Log/Pole	11		Medium	
Red Oak		40	Log/Pole	16	96	High	
						Variable	
						Variable	
						Variable	
						Variable	
						Variable	
						Variable	
41	6113 - Lowland Maple	Sawtimber Well	37.3	101	81-110	N/A	Very good hemlock regen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		65	Log/Pole/XLog	14	101	Black Ash	
Yellow Birch		5	Log/Pole	11		Low	
Balsam Fir		10	Pole	8		High	
Hemlock		20	Pole/Log	8		Variable	
						Variable	
						Variable	
						Variable	
						Variable	
						Variable	
42	42310 - Planted Spruce	Poletimber Well	6.1	63	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.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	XLog/Log/Pole	22		White Ash	
White Spruce		98	Pole	9	63	Medium	
						10 - 20 feet	
						10 - 20 feet	
43	4119 - Mixed Northern Hardwoods	Sawtimber Medium	48.3	104	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.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		40	Log/Pole/XLog	14	104	Balsam Fir	
Red Maple		25	Log/Pole/XLog	16		Medium	
Basswood		15	Log/Pole/XLog	16		5 - 10 feet	
Bigtooth Aspen		10	Pole	6	26	Ironwood	
Balsam Fir		10	Pole	6	26	Medium	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	

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	15	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.																																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>22</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>XLog/Log</td> <td>22</td> <td>89</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>17</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>4</td> <td>Log/Pole</td> <td>12</td> <td>91</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	22	Sapling	2	15	Red Oak	2	XLog/Log	22	89	Bigtooth Aspen	45	Sapling	2	15	Balsam Fir	10	Log/Pole	10		White Pine	17	Log/Pole	14		Black Cherry	4	Log/Pole	12	91	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>Variable</td> <td>Variable</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> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	>20 feet	>20 feet	Balsam Fir	Medium	Variable	Variable	White Spruce	Medium	Variable	Variable	Hemlock	Medium	Variable	Variable	Hemlock	Low	Variable	Variable	White Pine	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																															
Red Maple	22	Sapling	2	15																																																															
Red Oak	2	XLog/Log	22	89																																																															
Bigtooth Aspen	45	Sapling	2	15																																																															
Balsam Fir	10	Log/Pole	10																																																																
White Pine	17	Log/Pole	14																																																																
Black Cherry	4	Log/Pole	12	91																																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Red Maple	Low	>20 feet	>20 feet																																																																
Balsam Fir	Medium	Variable	Variable																																																																
White Spruce	Medium	Variable	Variable																																																																
Hemlock	Medium	Variable	Variable																																																																
Hemlock	Low	Variable	Variable																																																																
White Pine	Low	Variable	Variable																																																																
45	3104 - Degraded	None	8.0			No	Old railroad grade. Has 2-track forest road																																																												
46	42310 - Planted Spruce	Poletimber Well	6.6	63	81-110	N/A	Providing good thermal cover and escape cover for wildlife.																																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>90</td> <td>Pole/Log</td> <td>9</td> <td>63</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	90	Pole/Log	9	63	White Pine	10	Log/XLog	14																																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																															
White Spruce	90	Pole/Log	9	63																																																															
White Pine	10	Log/XLog	14																																																																
47	4130 - Aspen	Sawtimber Well	28.1	67	Unspecified	N/A																																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole/Log</td> <td>9</td> <td>67</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Log/Pole</td> <td>10</td> <td>67</td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Log/Pole	12		Red Oak	10	Log/Pole	12		Quaking Aspen	30	Pole/Log	9	67	Bigtooth Aspen	45	Log/Pole	10	67	Black Cherry	5	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable																						
Canopy Species	% Cover	Size Class	DBH	Age																																																															
Red Maple	10	Log/Pole	12																																																																
Red Oak	10	Log/Pole	12																																																																
Quaking Aspen	30	Pole/Log	9	67																																																															
Bigtooth Aspen	45	Log/Pole	10	67																																																															
Black Cherry	5	Pole	7																																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Black Cherry	Medium	Variable	Variable																																																																
Red Maple	Medium	Variable	Variable																																																																
48	3301 - Low Density Deciduous Trees	None	1.2			No	Power line goes through it. Adjacent to spruce stand. All bracken fern.																																																												
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Poverty Grass</td> <td>Low</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Deciduous Saplings</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Sphagnum Moss</td> <td>Trace</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Cladonia (Reindeer moss)</td> <td>Trace</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> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Poverty Grass		Low	Not Applicable	Not Applicable	Deciduous Saplings	Medium	Variable	Variable	Sphagnum Moss	Trace	Not Applicable	Not Applicable	Cladonia (Reindeer moss)	Trace	Not Applicable	Not Applicable	Bracken Fern	Full	Not Applicable	Not Applicable	Black Cherry	Trace	Variable	Variable																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Poverty Grass	Low	Not Applicable	Not Applicable																																																																
Deciduous Saplings	Medium	Variable	Variable																																																																
Sphagnum Moss	Trace	Not Applicable	Not Applicable																																																																
Cladonia (Reindeer moss)	Trace	Not Applicable	Not Applicable																																																																
Bracken Fern	Full	Not Applicable	Not Applicable																																																																
Black Cherry	Trace	Variable	Variable																																																																
49	122 - Road/Parking Lot	None	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 Poletimber Well 16.2 28 81-110 N/A Good diversity in species and structure.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Sapling	5	28
Red Oak	15	Log/Pole	14	
Quaking Aspen	10	Pole/Sapling	5	28
Bigtooth Aspen	25	Pole/Sapling	5	28
Balsam Fir	10	Pole	8	
White Pine	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Variable
Black Cherry	Medium	Variable	Variable
Balsam Fir	Medium	Variable	Variable
Red Maple	Medium	Variable	Variable
Bigtooth Aspen	Medium	Variable	Variable

Quite a bit of residual (mainly oak) was left.

51 6233 - Wet Meadow None 1.5 No Nice, wet meadow. Low evergreen shrubs around perimeter and center. Seasonally wet.

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	High	Not Applicable	Not Applicable
Leatherleaf	Medium	5 - 10 feet	5 - 10 feet

52 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 2.7 96 Unspecified N/A Really good hemlock understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Log/Pole	10	96
Red Oak	20	Log/Pole	16	
White Pine	10	XLog/Log	18	
Hemlock	20	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Medium	Variable	Variable

53 4110 - Sugar Maple Association Sawtimber Well 9.9 96 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Log/Pole	12	96
Red Maple	10	Log/Pole	11	
Basswood	10	Log/Pole	13	
Red Oak	10	Log/Pole/XLog	14	
Black Cherry	5	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	High	Variable	Variable
Sugar Maple	Medium	>20 feet	>20 feet
Sugar Maple	Medium	>20 feet	>20 feet

54 4199 - Other Mixed Upland Deciduous Sapling Well 10.7 27 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Sapling/Pole	4	27
Red Maple	30	Sapling/Pole	4	27
Red Oak	20	XLog/Log/Pole	18	
Bigtooth Aspen	30	Sapling/Pole	4	
Ironwood	10	Sapling/Pole	4	

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

55 4130 - Aspen Sapling Well 3.4 17 Immature N/A Was harvested for aspen regen in 2009. All fir, oak and marked leave trees retained.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	17
Bigtooth Aspen	80	Sapling	2	17

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

56	42220 - Natural Jack Pine	Sapling Well	14.5	28	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		95	Sapling	3	28		
Black Cherry		5	Sapling	3	28		

57	110 - Low Intensity Urban	None	3.3			No	State Communications tower site. Has gated/locked entrance with fencing around perimeter.
-----------	---------------------------	------	-----	--	--	----	---

58	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	79.9	90	Unspecified	N/A	Contains a few oak trees.Patchy areas of standing water. Very "hummocky" ground.Fir taking over majority of stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		40	Log/Pole/XLog	10	90	Cherry (spp.)	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		20	Log/Pole	11		Balsam Fir	High	Variable	Variable
Balsam Fir		20	Pole	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		10	Pole	9		Beech	Medium	5 - 10 feet	5 - 10 feet
Hemlock		10	Pole	9					

59	4130 - Aspen	Poletimber Well	19.4	28	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole/Sapling	5		Black Cherry	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		70	Pole/Sapling	5	28				
Black Cherry		15	Pole/Sapling	5					

60	4123 - Red Oak	Poletimber Medium	1.8	51	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		90	Pole	7	51	Red Pine	Medium	Variable	Variable
Jack Pine		10	Pole	7		Beech	Low	Variable	Variable
						Jack Pine	Medium	Variable	Variable

61	500 - Water	None	1.6			No	
-----------	-------------	------	-----	--	--	----	--

62	42110 - Planted Red Pine	Sawtimber Well	14.1	70	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		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		5	Log/Pole	14		White Pine	Low	5 - 10 feet	5 - 10 feet
Red Pine		95	Log/Pole/XLog	12	70	Sugar Maple	Low	5 - 10 feet	5 - 10 feet
						Red Maple	Medium	5 - 10 feet	5 - 10 feet

63	500 - Water	None	138.2			No	Grass Lake
-----------	-------------	------	-------	--	--	----	------------

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

64 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 35.1 88 81-110 N/A Inclusion of spruce plantation along private line in Northwest part of stand. (7 to 9" DBH, avg.90SF).A few sugar maple on north east end.Stand also contains some cedar and hemlock along south edges that border swamp.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	XLog/Log/Pole	18	88
Red Oak	20	XLog/Log/Pole	20	
Paper Birch	3	Pole	8	
Quaking Aspen	2	Pole	8	
Bigtooth Aspen	2	Pole/Log	8	
Balsam Fir	18	Pole	6	
White Pine	15	Pole/Log/XLog	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	>20 feet
White Pine	Low	Variable	Variable
White Spruce	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

65 3301 - Low Density Deciduous Trees None 1.7 No

Sub-Canopy Species	Density	Avg. Height	Size
Spotted Knapweed	Medium	Not Applicable	Not Applicable
Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet
Mixed Grasses	Medium	Not Applicable	Not Applicable
Blackberry/Raspberry	Trace	5 - 10 feet	5 - 10 feet
Choke Cherry	Trace	10 - 20 feet	10 - 20 feet
Red Maple	Medium	Variable	Variable
Black Cherry	Low	Variable	Variable

66 6120 - Lowland Cedar Poletimber Medium 1,136.6 117 51-80 N/A Lots of water!Lots of blow-downs.Some cedar regen in spots where deer can't get to them (6" to 2' tall)...but mostly balsam regen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Paper Birch	5	Pole	8	
Black Spruce	5	Pole	8	
Northern White Cedar	75	Log/Pole	10	117
Tamarack	5	Pole	9	
White Pine	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Black Ash	Low	Variable	Variable
Paper Birch	Low	Variable	Variable
Hemlock	Low	Variable	Variable

67 4139 - Aspen, Mixed Deciduous Sapling Well 14.5 6 Immature N/A Stand area includes a retention area of mature trees on hill.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Log/Pole	12	
Red Maple	30	Sapling	1	6
Quaking Aspen	20	Sapling	1	6
Bigtooth Aspen	35	Sapling	1	6

Harvested in 2019sale 61-023-17

68 42110 - Planted Red Pine Sawtimber Well 36.6 76 111-140 N/A

Has already been thinned twice (row-thinned and every 3rd tree).Thinned again by select mark fall of 2018

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole/XLog	13	76

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Beech	Medium	5 - 10 feet	5 - 10 feet
Red Oak	Medium	5 - 10 feet	5 - 10 feet

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	71	51-80	N/A	A lot of multi- stem, low quality maple.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		45	Log/Pole	16	71	Black Cherry	High	5 - 10 feet	5 - 10 feet
Red Maple		45	Log/Pole	16	71	Ironwood	Medium	Variable	Variable
Quaking Aspen		10	Pole	8		Red Maple	High	10 - 20 feet	10 - 20 feet
72	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	3.9	56	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		55	Pole/Log	9	56	Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Paper Birch		10	Pole	8		Red Maple	High	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		25	Pole/Log	9					
Balsam Fir		5	Pole	7					
Black Cherry		5	Pole/Log	9					
73	4139 - Aspen, Mixed Deciduous	Poletimber Medium	1.1	69	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.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		50	Log/Pole	12	69	Red Maple	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		50	Pole/Log	9	69	Red Maple	Medium	>20 feet	>20 feet
						Red Oak	Medium	10 - 20 feet	10 - 20 feet
74	4130 - Aspen	Sapling Well	19.5	5	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		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		20	Sapling	1	5				
Quaking Aspen		55	Sapling	1	5				
Bigtooth Aspen		10	Sapling	1	5				
Black Cherry		15	Sapling	1	5				
75	4130 - Aspen	Sapling Well	29.9	5	Immature	N/A	Harvested in winter/spring of 2020-21 sale 61-023-17Also contains some scattered w pine, b fir, cedar, red oak.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		15	Sapling	1	5				
Quaking Aspen		60	Sapling	1	5				
Bigtooth Aspen		25	Sapling	1	5				
76	3102 - Grass	None	4.4			No	East area has been used for logging landing during past pine thinnings.		
Sub-Canopy Species		Density	Avg. Height	Size					
Rye (annual)		Full	Not Applicable	Not Applicable					

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	101	81-110	N/A	Seasonal drainage near south private line.
-----------	-------------------------------------	----------------	-----	-----	--------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	16	101	Red Maple	Medium	Variable	Variable
Red Oak	25	XLog/Log	20	101	Balsam Fir	Low	Variable	Variable
Paper Birch	20	Pole	8		White Pine	Medium	Variable	Variable
Bigtooth Aspen	15	Pole	9					
White Pine	10	Log/Pole	12					

Majority of stand is "island" between the adjacent wildlife openings. Leave these trees for wildlife mast and mature forest edge.

78	330 - Low-Density Trees	None	1.4			No	
-----------	-------------------------	------	-----	--	--	----	--

79	6130 - Fir, Aspen, Maple	Poletimber Well	34.5	91	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.
-----------	--------------------------	-----------------	------	----	--------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Log/Pole	14	91	Balsam Fir	High	Variable	Variable
Yellow Birch	5	Pole	9		Red Maple	Medium	>20 feet	>20 feet
Red Oak	5	XLog/Log/Pole	18		Northern White Cedar	Medium	>20 feet	>20 feet
Bigtooth Aspen	20	Pole/Log	9		Hemlock	Medium	>20 feet	>20 feet
Balsam Fir	15	Pole	6					
White Pine	10	XLog/Log/Pole	22					
Hemlock	20	Log/Pole	12					

80	3301 - Low Density Deciduous Trees	None	47.4			No	Large stand. Fair amount of hardwoods (black cherry and maple). Full abundance of bracken fern.
-----------	------------------------------------	------	------	--	--	----	---

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Low	Not Applicable	Not Applicable
White Pine	Trace	Variable	Variable
Black Cherry	Medium	Variable	Variable
Strawberry	Trace	Not Applicable	Not Applicable
Sphagnum Moss	Trace	Not Applicable	Not Applicable
Red Maple	Low	Variable	Variable
Bracken Fern	Full	Not Applicable	Not Applicable
St. Johns Wort	Trace	Not Applicable	Not Applicable

81	4130 - Aspen	Sapling Well	3.7	6	Immature	N/A	Harvested in 2019 sale 61-023-17, has some mature retention trees within and any fir or pine.
-----------	--------------	--------------	-----	---	----------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	1	6
Quaking Aspen	60	Sapling	1	6
Bigtooth Aspen	15	Sapling	1	6

82	4130 - Aspen	Sapling Well	6.8	8	Immature	N/A	Area harvested in February 2018. Has some scattered mature leave trees of pine and maple and oak.
-----------	--------------	--------------	-----	---	----------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Sapling	1		White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Oak	5	Pole	8					
Bigtooth Aspen	65	Sapling	1	8				

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	106	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.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>40</td> <td>XLog/Log/Pole</td> <td>18</td> <td>106</td> </tr> <tr> <td>Red Oak</td> <td>35</td> <td>XLog/Log</td> <td>20</td> <td>106</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>20</td> <td>Log/Pole</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	40	XLog/Log/Pole	18	106	Red Oak	35	XLog/Log	20	106	White Pine	5	Log/Pole/XLog	14		Black Cherry	20	Log/Pole	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	>20 feet	>20 feet	Balsam Fir	Medium	Variable	Variable	White Pine	Medium	5 - 10 feet	5 - 10 feet									
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	40	XLog/Log/Pole	18	106																																																	
Red Oak	35	XLog/Log	20	106																																																	
White Pine	5	Log/Pole/XLog	14																																																		
Black Cherry	20	Log/Pole	16																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Medium	>20 feet	>20 feet																																																		
Balsam Fir	Medium	Variable	Variable																																																		
White Pine	Medium	5 - 10 feet	5 - 10 feet																																																		
84	42110 - Planted Red Pine	Sawtimber Well	23.8	70	111-140	N/A	Red maple moving in heavy in some areas areas of raspberries too. (1-3' tall).																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Log/Pole/XLog</td> <td>12</td> <td>70</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Log/Pole/XLog	12	70	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	Variable	Variable																								
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Pine	100	Log/Pole/XLog	12	70																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Beech	Low	5 - 10 feet	5 - 10 feet																																																		
White Pine	Low	5 - 10 feet	5 - 10 feet																																																		
Red Maple	Medium	Variable	Variable																																																		
85	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	4.2	71	51-80	N/A																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>5</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>70</td> <td>Log/Pole</td> <td>14</td> <td>71</td> </tr> <tr> <td>Black Cherry</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	5	Log/Pole	14		Red Maple	70	Log/Pole	14	71	Black Cherry	25	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Beech	Low	Variable	Variable														
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Sugar Maple	5	Log/Pole	14																																																		
Red Maple	70	Log/Pole	14	71																																																	
Black Cherry	25	Log/Pole	10																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Low	Variable	Variable																																																		
Ironwood	Low	Variable	Variable																																																		
Beech	Low	Variable	Variable																																																		
86	6112 - Lowland Aspen	Poletimber Well	27.6	50	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.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>48</td> <td>Pole/Log</td> <td>9</td> <td>50</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>7</td> <td>50</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>40</td> <td>Pole/Log</td> <td>9</td> <td>50</td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	48	Pole/Log	9	50	Paper Birch	5	Pole	7	50	Bigtooth Aspen	40	Pole/Log	9	50	Northern White Cedar	5	Pole/Log	9		White Pine	2	Log/Pole	11		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>American Elm</td> <td>Medium</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	Variable	Variable	American Elm	Medium	10 - 20 feet	10 - 20 feet	Red Maple	High	Variable	Variable				
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	48	Pole/Log	9	50																																																	
Paper Birch	5	Pole	7	50																																																	
Bigtooth Aspen	40	Pole/Log	9	50																																																	
Northern White Cedar	5	Pole/Log	9																																																		
White Pine	2	Log/Pole	11																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Black Cherry	Medium	Variable	Variable																																																		
American Elm	Medium	10 - 20 feet	10 - 20 feet																																																		
Red Maple	High	Variable	Variable																																																		
87	6239 - Mixed Emergent Wetland	None	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	54	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.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>American Elm</td> <td>5</td> <td>Pole</td> <td>7</td> <td>54</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>7</td> <td>54</td> </tr> <tr> <td>Paper Birch</td> <td>70</td> <td>Pole</td> <td>7</td> <td>54</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Pole</td> <td>7</td> <td>54</td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole</td> <td>7</td> <td>54</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	American Elm	5	Pole	7	54	Red Maple	15	Pole	7	54	Paper Birch	70	Pole	7	54	Bigtooth Aspen	5	Pole	7	54	Black Cherry	5	Pole	7	54	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>American Elm</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	10 - 20 feet	Black Cherry	Low	>20 feet	>20 feet	American Elm	Medium	Variable	Variable	Balsam Fir	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																	
American Elm	5	Pole	7	54																																																	
Red Maple	15	Pole	7	54																																																	
Paper Birch	70	Pole	7	54																																																	
Bigtooth Aspen	5	Pole	7	54																																																	
Black Cherry	5	Pole	7	54																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Low	10 - 20 feet	10 - 20 feet																																																		
Black Cherry	Low	>20 feet	>20 feet																																																		
American Elm	Medium	Variable	Variable																																																		
Balsam Fir	Medium	Variable	Variable																																																		
89	500 - Water	None	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	117	111-140	N/A	All trees quite nice, long bodied straight sawlogs. Flat, open and park-like understory. Ground is a bit undulating.
-----------	---	----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	XLog/Log/Pole	18	117	Hemlock	Low	Variable	Variable
Red Maple	30	XLog/Log/Pole	18	117	Black Cherry	Medium	< 5 feet	< 5 feet
Basswood	5	Log	16		Ironwood	Low	10 - 20 feet	10 - 20 feet
Beech	10	XLog/Log/Pole	18					
Red Oak	15	XLog	26					
Black Cherry	10	Log/Pole/XLog	17					

91	500 - Water	None	12.2			No	Betsie River
-----------	-------------	------	------	--	--	----	--------------

93	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	3.3	111	51-80	N/A	Mostly dry. Good mix of species.
-----------	--	-------------------	-----	-----	-------	-----	-------------------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9	49	Balsam Fir	Medium	Variable	Variable
Balsam Fir	25	Pole	8		Red Maple	High	>20 feet	>20 feet
Northern White Cedar	15	Pole	9		Red Maple	Medium	10 - 20 feet	10 - 20 feet
White Pine	5	XLog/Log	22		Paper Birch	Low	>20 feet	>20 feet
Hemlock	35	Log/Pole	12	111				
Black Cherry	5	Pole	8					

94	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	11.3	118	81-110	N/A	Park- like with little or no regen in dry areas -- balsam fir regen in the wet areas.
-----------	--	----------------	------	-----	--------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	12		Balsam Fir	Medium	Variable	Variable
Red Oak	15	XLog	20		Northern White Cedar	Medium	>20 feet	>20 feet
Bigtooth Aspen	5	Log	12		Hemlock	Medium	>20 feet	>20 feet
Hemlock	50	Log/Pole	12	118				

95	4130 - Aspen	Sapling Well	5.2	28	Unspecified	N/A	
-----------	--------------	--------------	-----	----	-------------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	XLog/Log/Pole	18		Hemlock	Low	Variable	Variable
Bigtooth Aspen	75	Sapling/Pole	4	28	Bigtooth Aspen	High	Variable	Variable
Black Cherry	15	Sapling/Pole	4	28	Balsam Fir	Low	Variable	Variable
					White Pine	Medium	Variable	Variable
					Black Cherry	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
96	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	29.6	116	Unspecified	N/A	Some hemlock regen trying to establish (6" to 3' heights). Well populated in some spots.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>American Elm</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>45</td> <td>Log/Pole</td> <td>11</td> <td>116</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td>116</td> </tr> <tr> <td>Hemlock</td> <td>25</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	American Elm	5	Pole	6		Red Maple	45	Log/Pole	11	116	Paper Birch	5	Pole	9		Northern White Cedar	20	Pole/Log	9	116	Hemlock	25	Pole/Log	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Ash</td> <td>High</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Variable	Black Ash	High	5 - 10 feet	5 - 10 feet	Northern White Cedar	Low	>20 feet	>20 feet	Hemlock	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																	
American Elm	5	Pole	6																																																		
Red Maple	45	Log/Pole	11	116																																																	
Paper Birch	5	Pole	9																																																		
Northern White Cedar	20	Pole/Log	9	116																																																	
Hemlock	25	Pole/Log	9																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Balsam Fir	High	Variable	Variable																																																		
Black Ash	High	5 - 10 feet	5 - 10 feet																																																		
Northern White Cedar	Low	>20 feet	>20 feet																																																		
Hemlock	Medium	Variable	Variable																																																		
97	4130 - Aspen	Poletimber Well	32.9	28	Unspecified	N/A	Also has a few sawlog size white oak scattered about.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>10</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> <tr> <td>Black Cherry</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	10	XLog/Log	18		Bigtooth Aspen	75	Pole/Sapling	5	28	Black Cherry	15	Pole/Sapling	5	28	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Balsam Fir</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>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	High	Variable	Variable	Balsam Fir	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Medium	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Oak	10	XLog/Log	18																																																		
Bigtooth Aspen	75	Pole/Sapling	5	28																																																	
Black Cherry	15	Pole/Sapling	5	28																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Bigtooth Aspen	High	Variable	Variable																																																		
Balsam Fir	Low	Variable	Variable																																																		
White Pine	Low	Variable	Variable																																																		
Black Cherry	Medium	Variable	Variable																																																		
98	4130 - Aspen	Sapling Well	30.7	17	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.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>40</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	2		Red Oak	15	Log/Pole	12		Quaking Aspen	30	Sapling	2	17	Bigtooth Aspen	40	Sapling	2	17	Black Cherry	5	Sapling	2	17																						
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	10	Sapling	2																																																		
Red Oak	15	Log/Pole	12																																																		
Quaking Aspen	30	Sapling	2	17																																																	
Bigtooth Aspen	40	Sapling	2	17																																																	
Black Cherry	5	Sapling	2	17																																																	
99	6112 - Lowland Aspen	Sapling Well	1.2	17	Unspecified	N/A	Harvested in 2009. to expand and regenerate aspen																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling/Pole</td> <td>3</td> <td>17</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Sapling/Pole</td> <td>3</td> <td>17</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling/Pole	3	17	Bigtooth Aspen	80	Sapling/Pole	3	17																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	20	Sapling/Pole	3	17																																																	
Bigtooth Aspen	80	Sapling/Pole	3	17																																																	
100	790 - Other Bare/Sparsely Vegetated	None	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	67	Unspecified	N/A	This stand is a retention area that was left from the adjacent stand that was cut in 2009.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Pole/Log</td> <td>9</td> <td>67</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	9		Quaking Aspen	90	Pole/Log	9	67	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable																											
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	10	Pole/Log	9																																																		
Quaking Aspen	90	Pole/Log	9	67																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Medium	Variable	Variable																																																		

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	108	81-110	N/A	Thinned in fall of 2014 Not very many ground indicator plants.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log/Pole	12	108	Sugar Maple	Low	< 5 feet	< 5 feet
Red Maple	10	Log/Pole	12		Beech	Low	Variable	Variable
Basswood	25	Log/Pole	14		White Ash	Medium	Variable	Variable
Beech	5	Log/Pole	11		Ironwood	High	Variable	Variable

103	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.8	103	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
Sugar Maple	75	Log/Pole	11	103	Ironwood	High	< 5 feet	< 5 feet
Red Maple	8	Log/Pole	12		White Pine	Medium	Variable	Variable
Beech	1	Log/XLog	16					
Bigtooth Aspen	3	Log/Pole	11					
White Pine	12	Log/Pole/XLog	15					
Ironwood	1	Pole	8					

104	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	23.2	83	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
Sugar Maple	5	Log/Pole	12		Deciduous Saplings	Low	Variable	Variable
Red Maple	18	Log/Pole	12		White Pine	Low	Variable	Variable
Red Oak	2	XLog/Log	18		White Pine	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	7	Log/Pole	10					
White Pine	60	Log/Pole/XLog	12	83				
Black Cherry	8	Log/Pole	10					

105	4139 - Aspen, Mixed Deciduous	Sawtimber Well	4.1	64	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
Sugar Maple	56	Log/Pole	12	101	Ironwood	Medium	Variable	Variable
Red Maple	2	Log/Pole	12		Sugar Maple	Medium	Variable	Variable
Bigtooth Aspen	40	Log/Pole	11	64	Sugar Maple	Medium	< 5 feet	< 5 feet
White Pine	2	Log	14		Beech	Low	Variable	Variable

106	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	4.8	98	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
Sugar Maple	12	Pole	9		White Pine	High	Variable	Variable
Red Maple	42	Pole/Log	9	98				
Red Oak	6	XLog/Log	20					
Bigtooth Aspen	10	Log/Pole	11	64				
White Pine	30	Log/Pole	12					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
107	4130 - Aspen	Sapling Well	12.4	15	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	Sapling	2	15	Ironwood		Medium	< 5 feet	< 5 feet	
White Pine		10	Log/Pole	12		White Pine		Low	5 - 10 feet	5 - 10 feet	
108	4130 - Aspen	Poletimber Well	13.2	64	Unspecified	N/A					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		1	Pole/Log	9		Beech		Low	Variable	Variable	
Red Maple		5	Pole/Log	9	64	Sugar Maple		High	Variable	Variable	
Beech		1	Log/XLog	17		Red Maple		Low	>20 feet	>20 feet	
Quaking Aspen		5	Pole/Log	9	64	Ironwood		Low	Variable	Variable	
Bigtooth Aspen		85	Log/Pole	10	64						
White Pine		1	XLog/Log/Pole	18							
Black Cherry		2	Log/Pole	12							
109	4311 - Pine, Aspen Mix	Sawtimber Well	4.4	73	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	Size	
Red Maple		3	Pole/Log	9		White Pine		Low	>20 feet	>20 feet	
Quaking Aspen		38	Pole	8	64	Ironwood		Medium	Variable	Variable	
Bigtooth Aspen		6	Pole/Log	9		Sugar Maple		Low	Variable	Variable	
White Pine		50	Log/Pole/XLog	12	73						
Black Cherry		3	Pole/Log	9							
110	4130 - Aspen	Sapling Well	9.2	15	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	
Sugar Maple		2	Log	10		Black Cherry		Medium	5 - 10 feet	5 - 10 feet	
Red Maple		5	Sapling/Pole	3	15	Ironwood		Low	< 5 feet	< 5 feet	
Quaking Aspen		5	Sapling/Pole	3	15						
Bigtooth Aspen		82	Sapling/Pole	3	15						
Black Cherry		6	Sapling/Pole	3							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

111 3301 - Low Density Deciduous Trees None 2.4 No

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Trace	5 - 10 feet	5 - 10 feet
Beech	Medium	Variable	Variable
Red Oak	Trace	>20 feet	>20 feet
Quaking Aspen	Trace	>20 feet	>20 feet
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet
White Pine	Trace	>20 feet	>20 feet
Black Cherry	Trace	>20 feet	>20 feet
Maple (spp.)	Trace	>20 feet	>20 feet
Bracken Fern	Medium	Not Applicable	Not Applicable
Red Pine	Low	< 5 feet	< 5 feet
Staghorn Sumac	Trace	5 - 10 feet	5 - 10 feet

112 42110 - Planted Red Pine Sawtimber Medium 4.2 73 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	11	73

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

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.

113 4110 - Sugar Maple Association Sawtimber Medium 9.3 102 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	84	Log/Pole	10	102
Red Maple	6	Log	14	
Basswood	3	Log/XLog	16	
Quaking Aspen	4	Log/Pole	12	
White Pine	3	Log/Pole/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Variable
Beech	Medium	>20 feet	>20 feet
Ironwood	Low	Variable	Variable

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.

114 4130 - Aspen Sapling Well 5.7 6 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	1	6
Quaking Aspen	20	Sapling	1	6
Bigtooth Aspen	70	Sapling	1	6
Ironwood	5	Sapling	1	6

Clearcut January 2021 with scattered residual white pine, oak, cherry, and maple.

115 3103 - Rubus-Fern None 1.5 No

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	>20 feet
Black Cherry	Trace	>20 feet	>20 feet
Red Pine	Trace	5 - 10 feet	5 - 10 feet
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet
Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	Trace	Variable	Variable

This non-forested stand is essentially the break in canopy cover along a forest road.

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	69	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.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>1</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>98</td> <td>Log/Pole</td> <td>12</td> <td>69</td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	1	Log	14		Red Pine	98	Log/Pole	12	69	Black Cherry	1	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>10 - 20 feet</td> </tr> <tr> <td>Ironwood</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>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	10 - 20 feet	10 - 20 feet	Ironwood	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable	Beech	Medium	Variable	Variable							
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Quaking Aspen	1	Log	14																																																			
Red Pine	98	Log/Pole	12	69																																																		
Black Cherry	1	Log/Pole	10																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet																																																			
Ironwood	Low	Variable	Variable																																																			
White Pine	Low	Variable	Variable																																																			
Black Cherry	Low	Variable	Variable																																																			
Beech	Medium	Variable	Variable																																																			
117	4130 - Aspen	Sapling Well	3.3	15	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.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td>102</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Sapling</td> <td>2</td> <td>15</td> </tr> <tr> <td>Ironwood</td> <td>3</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	15	Log/Pole	10	102	Bigtooth Aspen	70	Sapling	2	15	Bigtooth Aspen	5	Log	14		White Pine	2	Log/Pole	10		Black Cherry	5	Sapling	2	15	Ironwood	3	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	5 - 10 feet	5 - 10 feet	Sugar Maple	Low	Variable	Variable	Ironwood	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Sugar Maple	15	Log/Pole	10	102																																																		
Bigtooth Aspen	70	Sapling	2	15																																																		
Bigtooth Aspen	5	Log	14																																																			
White Pine	2	Log/Pole	10																																																			
Black Cherry	5	Sapling	2	15																																																		
Ironwood	3	Pole/Sapling	6																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Beech	Low	5 - 10 feet	5 - 10 feet																																																			
Sugar Maple	Low	Variable	Variable																																																			
Ironwood	Low	Variable	Variable																																																			
118	3103 - Rubus-Fern	None	1.5			Yes	Some mature trees removed in February 2020 commercial harvest.																																															
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Trace</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Autumn Olive</td> <td>Trace</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Trace	>20 feet	>20 feet	Blackberry/Raspberry	Medium	< 5 feet	< 5 feet	Bracken Fern	High	Not Applicable	Not Applicable	Red Pine	Low	< 5 feet	< 5 feet	Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																											
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Black Cherry	Trace	>20 feet	>20 feet																																																			
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet																																																			
Bracken Fern	High	Not Applicable	Not Applicable																																																			
Red Pine	Low	< 5 feet	< 5 feet																																																			
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																																																			
119	4110 - Sugar Maple Association	Sawtimber Well	1.6	100	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.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>68</td> <td>Log/Pole/XLog</td> <td>14</td> <td>100</td> </tr> <tr> <td>American Elm</td> <td>2</td> <td>Log</td> <td>10</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Ironwood</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	68	Log/Pole/XLog	14	100	American Elm	2	Log	10		Black Cherry	20	Log/Pole	12		Ironwood	10	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>>20 feet</td> <td>>20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Variable	Ironwood	Medium	>20 feet	>20 feet														
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Sugar Maple	68	Log/Pole/XLog	14	100																																																		
American Elm	2	Log	10																																																			
Black Cherry	20	Log/Pole	12																																																			
Ironwood	10	Pole/Sapling	5																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Sugar Maple	Low	Variable	Variable																																																			
Ironwood	Medium	>20 feet	>20 feet																																																			
120	3303 - Mixed Low Density Trees	None	2.2			No	Old field filling in. Most of the mature trees were removed in a Feb. 2020 commercial harvest.																																															
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</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>Black Cherry</td> <td>Trace</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Autumn Olive</td> <td>Trace</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Trace	>20 feet	>20 feet	Sugar Maple	Low	Variable	Variable	Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																											
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Low	Variable	Variable																																																			
White Pine	Low	Variable	Variable																																																			
Black Cherry	Trace	>20 feet	>20 feet																																																			
Sugar Maple	Low	Variable	Variable																																																			
Autumn Olive	Trace	5 - 10 feet	5 - 10 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	101	51-80	N/A	Selection harvested in February 2020, residual BA about 75. Small amounts of red pine and black cherry.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>60</td><td>Log/Pole</td><td>11</td><td>101</td></tr> <tr><td>Red Maple</td><td>23</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Beech</td><td>4</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Quaking Aspen</td><td>5</td><td>Log</td><td>13</td><td>65</td></tr> <tr><td>Bigtooth Aspen</td><td>4</td><td>Log/Pole</td><td>12</td><td>65</td></tr> <tr><td>White Pine</td><td>4</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	60	Log/Pole	11	101	Red Maple	23	Log/Pole	12		Beech	4	Log/Pole	12		Quaking Aspen	5	Log	13	65	Bigtooth Aspen	4	Log/Pole	12	65	White Pine	4	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Ironwood</td><td>Medium</td><td>Variable</td><td>Variable</td></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>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Medium	Variable	Variable	White Pine	Low	5 - 10 feet	5 - 10 feet	Sugar Maple	Low	Variable	Variable	
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Sugar Maple	60	Log/Pole	11	101																																																			
Red Maple	23	Log/Pole	12																																																				
Beech	4	Log/Pole	12																																																				
Quaking Aspen	5	Log	13	65																																																			
Bigtooth Aspen	4	Log/Pole	12	65																																																			
White Pine	4	Log/Pole	10																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Ironwood	Medium	Variable	Variable																																																				
White Pine	Low	5 - 10 feet	5 - 10 feet																																																				
Sugar Maple	Low	Variable	Variable																																																				
122	6113 - Lowland Maple	Poletimber Well	5.1	68	Unspecified	N/A	many lowland potholes and drainages throughout																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Red Maple</td><td>70</td><td>Log/Pole</td><td>10</td><td>68</td></tr> <tr><td>Bigtooth Aspen</td><td>30</td><td>Log/Pole</td><td>11</td><td>68</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	70	Log/Pole	10	68	Bigtooth Aspen	30	Log/Pole	11	68	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Pine</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr> <tr><td>Beech</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr> <tr><td>Ironwood</td><td>High</td><td>>20 feet</td><td>>20 feet</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	White Pine	Medium	>20 feet	>20 feet	Beech	Low	>20 feet	>20 feet	Ironwood	High	>20 feet	>20 feet																	
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	70	Log/Pole	10	68																																																			
Bigtooth Aspen	30	Log/Pole	11	68																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
White Pine	Medium	Variable	Variable																																																				
White Pine	Medium	>20 feet	>20 feet																																																				
Beech	Low	>20 feet	>20 feet																																																				
Ironwood	High	>20 feet	>20 feet																																																				
123	4130 - Aspen	Sapling Well	4.6	6	Immature	N/A	Clearcut in February 2020 with scattered residuals, including some red oak. sale 61-032-19(1)																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>Bigtooth Aspen</td><td>85</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	5	Sapling	1	6	Red Maple	5	Sapling	1	6	Bigtooth Aspen	85	Sapling	1	6	Black Cherry	5	Sapling	1	6																													
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Sugar Maple	5	Sapling	1	6																																																			
Red Maple	5	Sapling	1	6																																																			
Bigtooth Aspen	85	Sapling	1	6																																																			
Black Cherry	5	Sapling	1	6																																																			
124	4130 - Aspen	Sawtimber Well	11.7	64	Unspecified	N/A																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>1</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Red Maple</td><td>5</td><td>Pole/Log</td><td>9</td><td>64</td></tr> <tr><td>Beech</td><td>1</td><td>Log/XLog</td><td>17</td><td></td></tr> <tr><td>Quaking Aspen</td><td>5</td><td>Log/Pole</td><td>10</td><td>64</td></tr> <tr><td>Bigtooth Aspen</td><td>85</td><td>Log/Pole</td><td>10</td><td>64</td></tr> <tr><td>White Pine</td><td>1</td><td>XLog/Log/Pole</td><td>18</td><td></td></tr> <tr><td>Black Cherry</td><td>2</td><td>Log/Pole</td><td>11</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	1	Pole/Log	9		Red Maple	5	Pole/Log	9	64	Beech	1	Log/XLog	17		Quaking Aspen	5	Log/Pole	10	64	Bigtooth Aspen	85	Log/Pole	10	64	White Pine	1	XLog/Log/Pole	18		Black Cherry	2	Log/Pole	11		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>High</td><td>Variable</td><td>Variable</td></tr> <tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	High	Variable	Variable	Beech	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Sugar Maple	1	Pole/Log	9																																																				
Red Maple	5	Pole/Log	9	64																																																			
Beech	1	Log/XLog	17																																																				
Quaking Aspen	5	Log/Pole	10	64																																																			
Bigtooth Aspen	85	Log/Pole	10	64																																																			
White Pine	1	XLog/Log/Pole	18																																																				
Black Cherry	2	Log/Pole	11																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Sugar Maple	High	Variable	Variable																																																				
Beech	Low	Variable	Variable																																																				
125	4130 - Aspen	Sapling Well	12.0	6		N/A	Clearcut in Feb. 2020 with 2 retention islands and scattered residual white pine.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>Bigtooth Aspen</td><td>80</td><td>Sapling</td><td>1</td><td>6</td></tr> <tr><td>White Pine</td><td>5</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	5	Sapling	1	6	Red Maple	5	Sapling	1	6	Bigtooth Aspen	80	Sapling	1	6	White Pine	5	Log/Pole	12		Black Cherry	5	Sapling	1	6																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Sugar Maple	5	Sapling	1	6																																																			
Red Maple	5	Sapling	1	6																																																			
Bigtooth Aspen	80	Sapling	1	6																																																			
White Pine	5	Log/Pole	12																																																				
Black Cherry	5	Sapling	1	6																																																			

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 64 51-80 N/A Selection harvested February 2020, residual BA about 80.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	9		Ironwood	Medium	Variable	Variable
Red Maple	44	Pole/Log	8	64				
Beech	3	Log/Pole	12					
White Pine	8	Log/Pole	10					
Black Cherry	5	Pole/Log	8					

127 4130 - Aspen Sapling Well 11.5 6 N/A Clearcut January 2021, with two residual islands plus some scattered white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	1	6
Red Maple	5	Sapling	1	6
Beech	5	Sapling	1	6
Bigtooth Aspen	80	Sapling	1	6
Ironwood	5	Sapling	1	6

128 4130 - Aspen Poletimber Well 14.8 64 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	1	Pole/Log	9		Beech	Low	Variable	Variable
Red Maple	5	Pole/Log	9	64	Sugar Maple	High	Variable	Variable
Beech	1	Log/XLog	17		Red Maple	Low	>20 feet	>20 feet
Quaking Aspen	8	Pole/Log	9	64				
Bigtooth Aspen	82	Log/Pole	10	64				
White Pine	1	XLog/Log	18					
Black Cherry	2	Log/Pole	11					

129 4130 - Aspen Sapling Well 11.6 6 N/A Clearcut in Feb. 2020 with 3 retention islands and scattered residual white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	1	6
Red Maple	5	Sapling	1	6
Beech	5	Sapling	1	6
Bigtooth Aspen	75	Sapling	1	6
Black Cherry	10	Sapling	1	6

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 6 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	27	Sapling	1	6
Red Oak	5	XLog/Log/Pole	20	
Paper Birch	3	Pole	8	
Bigtooth Aspen	50	Sapling	1	6
Balsam Fir	5	Pole	6	
White Pine	5	Pole/Log/XLog	8	
Black Cherry	5	Sapling	1	

131 4136 - Aspen, Mixed Conifer Sapling Well 4.1 5 Immature N/A Has a few nice northern red oak trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	1		White Pine	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	35	Sapling	1	5				
Bigtooth Aspen	35	Sapling	1	5				
Balsam Fir	5	Pole	8					
Northern White Cedar	15	Pole	8					

132 4139 - Aspen, Mixed Deciduous Sapling Well 19.3 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	12	94
Red Maple	20	Sapling	1	5
Beech	10	Sapling	1	
Red Oak	10	Log	14	94
Bigtooth Aspen	45	Sapling	1	5
Black Cherry	10	Sapling	1	

133 4139 - Aspen, Mixed Deciduous Sapling Well 7.9 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	12	94
Red Maple	20	Sapling	1	5
Beech	10	Sapling	1	
Red Oak	10	Log	14	94
Bigtooth Aspen	45	Sapling	1	5
Black Cherry	10	Sapling	1	

134 4130 - Aspen Poletimber Well 4.2 66 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	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	9		Red Maple	Full	Variable	Variable
Quaking Aspen	55	Pole/Log	9	66	Balsam Fir	Low	Variable	Variable
Bigtooth Aspen	10	Log/Pole	12					
Black Cherry	15	Pole	9					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

135 3301 - Low Density Deciduous Trees None 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
Black Cherry	Low	Variable	Variable
Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet
Mixed Grasses	Medium	Not Applicable	Not Applicable
Deciduous Saplings	Medium	Variable	Variable
Blackberry/Raspberry	Trace	5 - 10 feet	5 - 10 feet
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

136 4130 - Aspen Poletimber Well 4.1 66 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	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Red Maple	Full	Variable	Variable
Quaking Aspen	55	Pole/Log	8	66	Balsam Fir	Low	Variable	Variable
Bigtooth Aspen	10	Log/Pole	12					
Black Cherry	15	Pole	8					

137 3301 - Low Density Deciduous Trees None 9.4 No Opening is comprised mainly of pole cherry, mixed grasses/spotted knapweed/poverty grass with patches of bracken fern. Big clumps of upland deciduous.

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet
Bracken Fern	Medium	Not Applicable	Not Applicable
Red Oak	Medium	Variable	Variable
Poverty Grass	Medium	Not Applicable	Not Applicable
Spotted Knapweed	Medium	Not Applicable	Not Applicable
Mixed Grasses	Low	Not Applicable	Not Applicable
White Pine	Low	Variable	Variable
White Pine	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable

138 42200 - Natural White Pine Poletimber Poor 6.8 31 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	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	100	Pole/Sap/Log	7	31	Black/Red (Hybrid) Oak	Medium	Variable	Variable
					Black Cherry	Low	Variable	Variable
					Mixed Grasses	Low	Not Applicable	Not Applicable
					Bracken Fern	Medium	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

139 4199 - Other Mixed Upland Deciduous Sawtimber Well 3.1 71 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	25	Pole/Log	8	71	White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Pole	6		Black Cherry	Medium	Variable	Variable
Bigtooth Aspen	20	Pole/Log	8		Red Oak	Medium	Variable	Variable
Black Cherry	45	Pole	6	71				

140 4119 - Mixed Northern Hardwoods Sawtimber Well 13.9 94 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Log/Pole	14	94	Beech	Medium	Variable	Variable
Red Maple	30	Log/Pole	12	81	Sugar Maple	Medium	>20 feet	>20 feet
Beech	10	Log/Pole	12		Red Maple	Low	>20 feet	>20 feet
Red Oak	20	Log/Pole/XLog	16	94	Ironwood	High	Variable	Variable
Bigtooth Aspen	5	Log/Pole	12					
Black Cherry	5	Log/Pole	10					

Mostly med. to low quality maple. Lots of multi-stems
Dry upland conditions...no indicator plants here.

141 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 3.0 91 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	5	28	Balsam Fir	Low	Variable	Variable
Red Oak	25	Log/Pole	14	91	White Pine	Low	Variable	Variable
Quaking Aspen	10	Pole/Sapling	5	28	Black Cherry	Medium	Variable	Variable
Bigtooth Aspen	15	Pole/Sapling	5	28	Red Maple	Medium	Variable	Variable
Balsam Fir	5	Pole	8		Bigtooth Aspen	Medium	Variable	Variable
White Pine	25	Log/Pole	14	91				

Good diversity in species and structure.

Quite a bit of residual (mainly oak) was left.

142 500 - Water None 1.3 No small pond or marsh area