Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32053
Entry Year 2027
Acreage: 1,741
County: Marquette
Management Area: Ralph Moraine

Stand Examiner: Matt Yeo

Legal Description:

T44N R26W Sections 34, 35, 36

Identified Planning Goals:

Improve the quality of the Northern Hardwoods stands through selective management while maintaining species diversity and den trees for wildlife. Additional goals are to provide age-class distribution of aspen by harvesting selected stands. Considerations for species diversity, coarse woody debris, and BMP's will be included with every harvest plan.

Soil and topography:

Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the southwest portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paquin-Finch sand, and Rubicon sand.

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

This compartment lies at the southern portion of a large block of land almost entirely owned by the State of Michigan. There are some private ownerships to the south of the compartment.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Riparian SCA's along the Escanaba River.

Watershed and Fisheries Considerations:

The west and east sections of this compartment contain the West Branch Escanaba River and Wilson Creek, respectively. The West Branch Escanaba River and Wilson Creek are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 62.6 to 67.5°F (cold to cool streams). 300-ft buffers are recommended for the West Branch Escanaba River and Wilson Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Ralph Moraine Management Area, on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris; and deer wintering complexes. The following have been identified as featured species for the Ralph Moraine Management Area: American Woodcock, Blackburnian Warbler, Golden-winged Warbler, Wood Thrush, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear. For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured till and glacial outwash sand and gravel and post-glacial alluvium. There is insufficient data to determine the glacial drift thickness (~10-100 feet). The Cambrian Trempealeau Formation subcrops below the glacial drift. The Trempealeau could be used for stone. The nearest gravel pit is more than two miles away, but

potential appears to be good on the uplands. Abandoned iron mines are located eight miles to the northeast. This area was not previously leased for metallic mineral exploration, but active metallic mineral leases are located just to the south. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access to the compartment is good via Kate's Grad and several "2 tracks"

Survey Needs:

none

Recreational Facilities and Opportunities:

Contains a portion of a GEMS trail.

Fire Protection:

This compartment has a low risk for wildfire.

Additional Compartment Information:

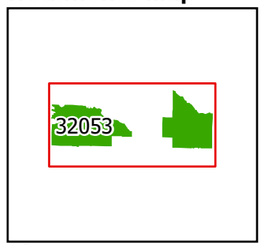
The following reports from the Inventory are attached:

- **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

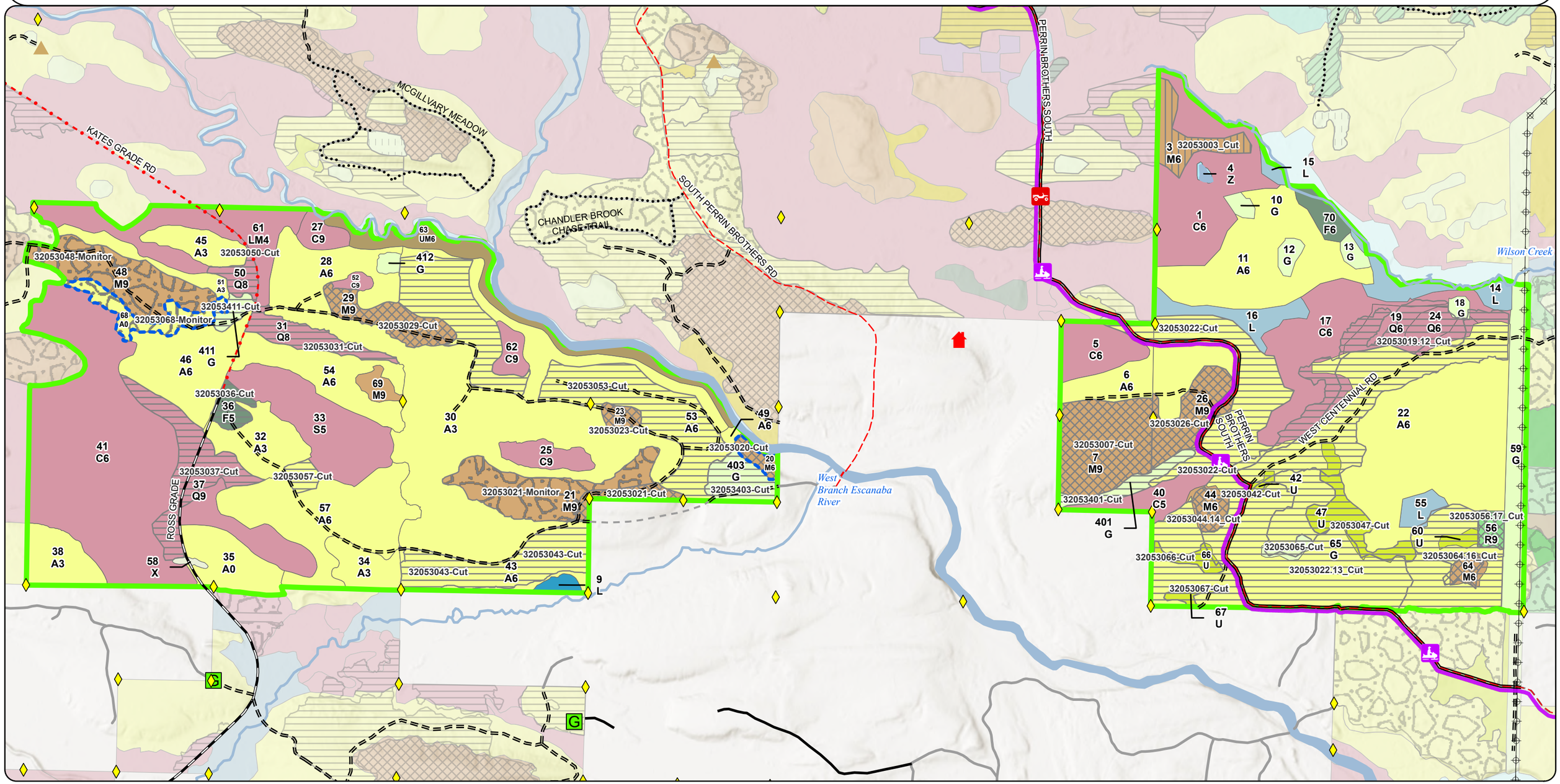


Compartment: 32053
T44N R26W Sec 34-36
County: Marquette
Unit: Gwinn
Mgmt. Area: Ralph Moraine
YOE: 2027
Acres: 1,741 GIS Calculated
Examiner: Matt Yeo
Date Exported: 11/17/2025
Map Phase: Post Review

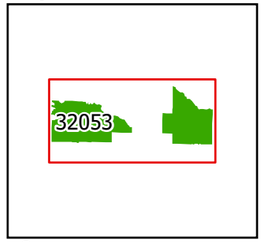
N

0 0.5 1 Miles

- Survey Grade Corners
- Berm
- Gate
- Designated ORV Routes
- Designated Snowmobile
- DNR - Primary Forest Road
- 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
- DNR - Management Access
- Electric
- Streams
- Lakes and Rivers
- Compartment Boundary
- Clearcut
- Selection
- Shelterwood
- Monitoring - Regeneration
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated



Stand Boundary Map



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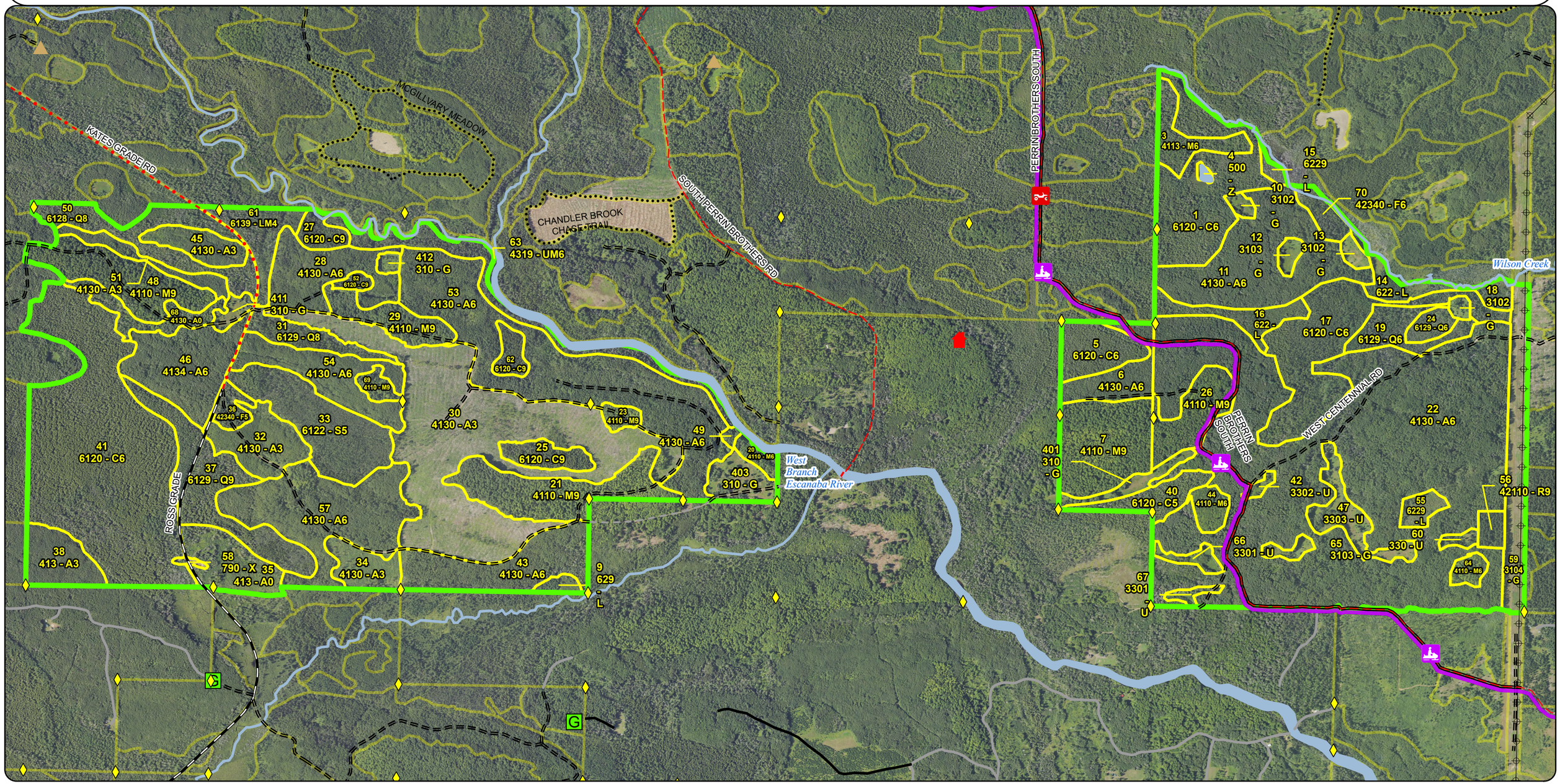
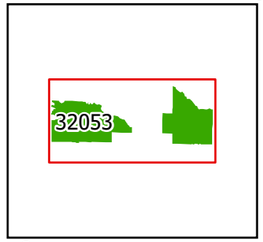


Special Conservation Areas & Site Conditions Map



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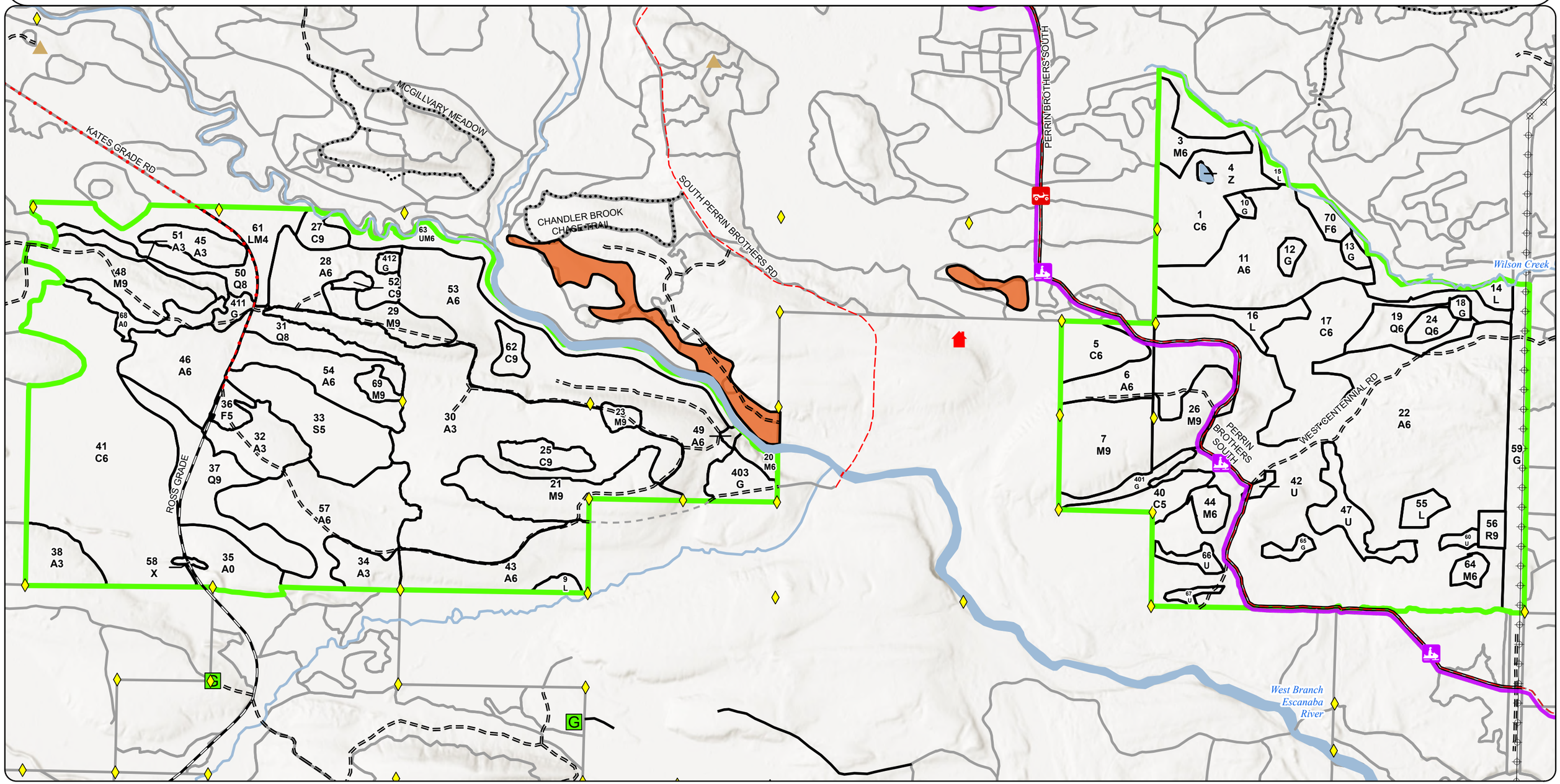
- Electric
- Streams
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- SCA
- Other Habitat Area



Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit **Compartment 53** **Year of Entry 2027**

Matt Yeo : Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	21	149	33	55	124	408	147	0	0	0	0	0	1	0	0	0	0	0	**937**
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cedar	0	0	0	0	0	0	0	0	0	62	0	143	52	0	17	7	18	0	**298**
Herbaceous Openland	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**67**
Low-Density Trees	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**26**
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	12	29	59	0	0	0	0	0	**100**
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	**16**
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**36**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	**40**
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	14	4	4	0	0	0	154	**176**
Red Pine	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	**4**
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	**25**
Upland Spruce/Fir	0	0	0	0	0	7	6	0	0	0	0	0	0	0	0	0	0	0	**13**
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Total	**152**	**149**	**33**	**55**	**124**	**415**	**153**	**0**	**0**	**66**	**28**	**186**	**156**	**4**	**42**	**7**	**18**	**154**	**1740**

Report 2 – Treatment Summary

Gwinn Mgt. Unit
Year of Entry: 2027

Compartment 53
Total Compartment Acres: 1,741

Acres of Harvest

Commercial Harvest - 1174
Harvests with Site Condition - 8
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	357	0	0	0	0	0	0	0	0	**357**
Herbaceous Openland	25	0	0	0	0	0	0	0	0	**25**
Low-Density Trees	19	0	0	0	0	0	0	0	0	**19**
Lowland Conifers	74	0	0	0	0	0	0	0	0	**74**
Northern Hardwood	0	91	0	0	14	0	0	0	0	**104**
Red Pine	0	4	0	0	0	0	0	0	0	**4**
Upland Spruce/Fir	6	0	0	0	0	0	0	0	0	**6**
Total	**481**	**95**	**0**	**0**	**14**	**0**	**0**	**0**	**0**	**590**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	590	0	0	0	0	0	61	0	0	**651**
Next Step	0	0	0	0	0	0	590	0	0	**590**
Total	**590**	**0**	**0**	**0**	**0**	**0**	**651**	**0**	**0**	**1241**

Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
3	32053003_Cut	13.7	4113 - R.Maple, Conifer	6	107	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No

Prescription Specs: Cut all maple, aspen, fir, and spruce. time harvest with adjacent stand in C51. Hemlock, yellow birch, white cedar, cherry and basswood will remain within the stand.

Leave a retention area within the river buffer.

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

Acceptable Regen: Maple, aspen, fir, spruce.

Other Comment: This stand was purchased with State Game Funds.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
7	32053007-Cut	36.7	4110 - Sugar Maple Association	9	111	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Mark to cut to 60BA following complete marker guidelines. Expand existing gaps and create new ones in areas of advanced regeneration. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fir, and aspen. Winter or very dry summer ha

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

Acceptable Regen: Northern Hardwood

Other Comment: There is not very much advanced regeneration so gaps may not work the best. Thinning will hopefully get some regen going.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
20	32053020-Cut	3.8	4110 - Sugar Maple Association	6	111	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Thin stand to 80 BA following complete marker guidelines. Release regeneration using gaps where advanced regeneration is present. Maintain stand diversity while marking. Spec to cut all merchantable spruce and fir. Retain some basswood for wildlife while

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

Acceptable Regen: Northern hardwood

Other Comment:

Site Condition: BMPs

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
21	32053021-Cut	6.2	4110 - Sugar Maple Association	9	109	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Mark to cut to 80 BA following complete marker guidelines. Release pockets of advanced regeneration. Maintain stand diversity while marking. Favor basswood for wildlife while marking. Spec to cut all merchantable spruce and fir.

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

Acceptable Regen: Northern Hardwood

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

22	32053022-Cut	102.5	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Cut all trees over 2" DBH except cedar, hemlock, yellow birch, and pine. Retention is included in the remaining uncut portions of the stand.

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

Acceptable Regen: Aspen, spruce, fir, mixed hardwood, mixed pine

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

23	32053023-Cut	3.8	4110 - Sugar Maple Association	9	110	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Mark to cut to 60-70 BA following complete marker guidelines. Release pockets of advanced regeneration. Maintain stand diversity while marking. Favor basswood for wildlife while marking. Spec to cut all merchantable spruce and fir.

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

Acceptable Regen: Northern Hardwood

Other Comment: There is not much advanced regen so gaps may not be a good idea. Thinning will hopefully get some regen going.

Site Condition:

Proposed Start Date: 10/01/2026

26	32053026-Cut	19.5	4110 - Sugar Maple Association	9	88	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Mark to cut to 80BA following complete marker guidelines. Release pockets of advanced regeneration. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fir, and aspen.

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

Acceptable Regen: northern hardwood

Other Comment: There is not much advanced regen so gaps may not be a good idea. Thinning will hopefully get some regen going.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29	32053029-Cut	15.5	4110 - Sugar Maple Association	9	120	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Mark to cut to 80 BA following complete marker guidelines. Release pockets of advanced regeneration using gaps. Maintain stand diversity while marking. Retain some basswood for wildlife while marking. Spec to cut all merchantable spruce and fir.

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

Acceptable Regen: Northern Hardwood

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

31	32053031-Cut	12.4	6129 - Mixed Coniferous Lowland Forest	8	90	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No

Prescription Specs: Clearcut with retention, cut all trees 2" DBH and greater. Leave cedar, hemlock, and yellow birch. Retention should include some older aged larger black spruce and tamarack for wildlife. Leave retention in an area with heavier cedar component. Winter harv

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

Acceptable Regen: spruce, fir, aspen, maple, birch.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

36	32053036-Cut	5.9	42340 - Upland Spruce/Fir	5	55	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No

Prescription Specs: Clearcut with retention, cut all trees 2" DBH and greater. Leave cedar, hemlock, and yellow birch. Retention should include some older aged larger black spruce and tamarack for wildlife.

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

Acceptable Regen: aspen, spruce, fir, maple, birch

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

37	32053037-Cut	26.6	6129 - Mixed Coniferous Lowland Forest	9	110	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No

Prescription Specs: Clearcut with retention, cut all trees 2" DBH and greater. Leave cedar, hemlock, and yellow birch. Retention should include some older aged larger black spruce and tamarack for wildlife. Winter harvest recommended due to low wet ground and wet soil condit

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

Acceptable Regen: Spruce, fir, tamarack, aspen, maple

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
42	32053042-Cut	0.9	3302 - Low Density Conifer Trees	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention needed due to opening maintenance.

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

Acceptable Regen: aspen, fir, spruce, maple, birch, aspen

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
43	32053043-Cut	31.7	4130 - Aspen	6	50	Unspecified	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Cut all trees over 2" DBH except cedar, hemlock, yellow birch, and white pine. Area retention should be the stream buffer of 300 feet on Gleason Creek. The stream has been buffered and treatment adjusted. In addition 5-6 drumming logs of any species (9-15

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

Acceptable Regen: aspen, maple, fir, spruce

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47	32053047-Cut	12.3	3303 - Mixed Low Density Trees	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention needed due to opening maintenance.

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

Acceptable Regen: aspen, fir, spruce, maple, birch, cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
50	32053050-Cut	5.3	6128 - Lowland Coniferous, Mixed Deciduous	8	108	81-110	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No

Prescription Specs: Clearcut with retention, cut all trees 2" DBH and greater. Leave cedar, hemlock, and yellow birch. Retention should include some older aged larger black spruce and tamarack for wildlife, look for possible retention opportunities to be included in the stan

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

Acceptable Regen: spruce, fir, aspen, maple, birch

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

53	32053053-Cut	76.3	4130 - Aspen	6	50	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Cut all trees over 2" DBH except cedar, hemlock, yellow birch, and white pine. Area retention is identified at the southeast end of stand 62. Retention should include some large big tooth aspen, particularly large fork crowned trees for the pileated woodp

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

Acceptable Regen: aspen, fir, spruce, maple

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

57	32053057-Cut	3.7	4130 - Aspen	6	35	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No

Prescription Specs: Clearcut. Leave cedar, hemlock, and yellow birch. No retention due to small stand size.

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

Acceptable Regen: aspen, maple, birch, spruce, fir.

Other Comment: old overgrown aspen with poor hardwood mixed in.

Site Condition:

Proposed Start Date: 10/01/2026

65	32053065-Cut	2.1	3103 - Rubus-Fern	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention due to opening maintenance.

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

Acceptable Regen: aspen, fir, spruce, maple, birch, cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
66	32053066-Cut	3.8	3301 - Low Density Deciduous Trees	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention due to opening maintenance.

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

Acceptable Regen: aspen, spruce, fir, maple, birch, cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

67	32053067-Cut	2.4	3301 - Low Density Deciduous Trees	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention due to opening maintenance.

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

Acceptable Regen: aspen, fir, spruce, maple, birch, cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

401	32053401-Cut	7.1	310 - Herbaceous Openland	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention needed due to opening maintenance.

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

Acceptable Regen: aspen, fir, spruce, maple, birch, cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
403	32053403-Cut	11.8	310 - Herbaceous Openland	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention due to opening maintenance.

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

Acceptable Regen: aspen, spruce, fir, maple

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

411	32053411-Cut	4.0	310 - Herbaceous Openland	99			Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Clearcut. No retention due to opening maintenance.

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

Acceptable Regen: aspen, spruce, fir, maple

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Approved Treatments:

19	32053019.12_ Cut	29.7	6129 - Mixed Coniferous Lowland Forest	6	119	51-80	Harvest	Clearcut	612 - Lowland Coniferous Forest	Planting Record	No

Prescription Specs: Cut all trees leaving only red pine, white pine, cedar and hemlock. use a 2 inch spec to reduce forest health issues due to SBW and dwarf mistletoe.

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

Acceptable Regen: Spruce, fir, tamarack, aspen, maple

Other Comment: This portion of the stand is not as heavy to cedar and should be fully operable leaving all the cedar on site. Areas of over 80 SQ feet of Cedar should be excluded to prevent root damage. This stand was purchased with State Game Funds.

Site Condition:

Proposed Start Date: 10/01/2021

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
21	32053021-Monitor	30.0	4110 - Sugar Maple Association	9	109	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No

Prescription Specs: monitor

Next Step Treatments:

Acceptable Regen: sugar maple, basswood

Other Comment: Percent to Treat = 100%

Site Condition:

Proposed Start Date: 10/01/2026

22	32053022.13_Cut	131.1	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Remove all trees except leave white pine and red pine. Retention should include some bigtooth aspen (for Northern Goshawk) and other unrepresented species such as cherry. (State Game Fund). Retention will be left as islands wothen treatments were underr

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

Acceptable Regen: Aspen, spruce, fir, mixed hardwood, mixed pine

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2021

44	32053044.14_Cut	5.0	4110 - Sugar Maple Association	6	88	111-140	Harvest	Selection	411 - Northern Hardwood	Planting Record	No

Prescription Specs: Light selection harvest reducing ba to 80 following Compleat Marker guidelines. Mark to increase diversity. Protect any hemlock and white pine present. also do not cut any basswood to increase diversity. (State Game Fund).

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

Acceptable Regen: Hard maple, basswood

Other Comment: Retain Basswood (3%) – Cavity nesters, pollinators and seed production for small mammals. - State Game Funds.

Site Condition:

Proposed Start Date: 10/01/2021

48	32053048-Monitor	31.4	4110 - Sugar Maple Association	9	111	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No

Prescription Specs: monitor

Next Step Treatments:

Acceptable Regen: anything other than ironwood

Other Comment: Percent to Treat = 100%

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
56	32053056.17_ Cut	4.1	42110 - Planted Red Pine	9	86	111-140	Harvest	Selection	429 - Mixed Upland Conifers	Planting Record	No

Prescription Specs: Mark trees for removal with a target residual BA of 70-90 SF. Remove trees of poor form, suppressed trees, make gaps in areas of regeneration, improve spacing, improve diversity though tree selection. Favor red maple, spruce and fir when marking. White pi

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

Acceptable Regen: Mixed upland conifer, mixed upland conifer

Other Comment: This stand was purchased with State Game Funds.

Site Condition:

Proposed Start Date: 10/01/2021

64	32053064.16_ Cut	3.8	4110 - Sugar Maple Association	6	84	81-110	Harvest	Selection	411 - Northern Hardwood	Planting Record	No

Prescription Specs: Light selection harvest reducing ba to 80 following Compleat Marker guidelines. Mark to increase diversity. Protect any hemlock and white pine present. (State Game Fund).

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

Acceptable Regen: Mixed Northern Hardwood

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2021

68	32053068-Cut	11.7	4130 - Aspen	6	57	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Harvest to a 2" spec to promote aspen regeneration. Retention should include forked crown aspen. Leave cedar, hemlock, white pine, and yellow birch.

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

Acceptable Regen: aspen, spruce/fir

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2020

Total Treatment Acreage Proposed: 654.8

Report 4 – Site Conditions

Gwinn Mgt. Unit

Matt Yeo: Examiner

Compartment: 53

Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions 2G	3J	5A	5E
789	760	*0*	29	**Aspen**		20		9
1	1	*0*	0	**Bare/Sparsely Vegetated**				
247	190	*0*	57	**Cedar**		35	22	
64	60	*0*	3	**Herbaceous Openland**		3		
26	26	*0*	0	**Low-Density Trees**				
88	86	*0*	2	**Lowland Conifers**		2		
16	0	*0*	16	**Lowland Mixed Forest**	11	5		
36	21	*0*	15	**Lowland Shrub**		15		
40	40	*0*	0	**Lowland Spruce/Fir**				
175	172	*0*	4	**Northern Hardwood**		4		
4	4	*0*	0	**Red Pine**				
25	0	*0*	25	**Upland Mixed Forest**		25		
12	6	*0*	6	**Upland Spruce/Fir**		6		
1	1	*0*	0	**Water**				
1,523	1,366		157	Total Forested Acres	11	115	22	9
	90%		10%	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**	**3J: Water quality/BMPs (stream, river, or lake)**	57	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 300-ft buffers recommended in riparian areas susceptible to aspen regeneration. For areas not susceptible to aspen regeneration, a minimum 100-foot buffer, plus 5 feet per 1% increase in slope.						
2	**Unavailable**	**5A: Not able to obtain desirable regeneration**	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

4	**Unavailable**	**5E: Long-Term Retention**	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention stand 53.							
5	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 68.							
6	**Unavailable**	**5E: Long-Term Retention**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention stand 43.							
27	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	11	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
63	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres

Comments

Report 7 – Stands

Compartment: 53
Year of Entry: 2027

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	6120 - Lowland Cedar	Poletimber Well	50.1	85	81-110	N/A	Cedar poles with associated swamp conifers. Contains the headwaters for Wilson Creek. 2025: Accurate above, dense cedar and tag alder, trace amounts of hemlock and Y birch. Variable sizes of cedar throughout, mainly small poles, with scattered B spruce and tamarack, some scattered P birch, ash, and R maple in more open canopy areas. Regen is mainly tag alder and B fir. Scattered more open canopy areas and areas of dense cedar, low ground standing water in spots.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Pole/Log	8	
Paper Birch	3	Pole/Log	8	
Balsam Fir	3	Pole	7	
Black Spruce	15	Pole	8	
Northern White Cedar	60	Pole	8	85
Tamarack	11	Pole/Log	9	
Black Ash	5	Pole	8	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
3	4113 - R.Maple, Conifer	Poletimber Well	13.7	107	81-110	N/A	Low quality red maple poles with hemlock, upland cedar, and super canopy white spruce. Dense fir understory 5'-10' tall. Remote, no access.2025: Mainly poor quality R maple pole/log, 50-80 to 80-110 BA in areas, variable throughout. Trace amounts of W pine, Y birch, B spruce. B fir regen is very dense and full, good portion of it is dead standing. Some mixed in cedar, hemlock, P birch, W spruce, and B fir with the R maple. Some scattered more open canopy areas, ground gets wet around stand edges. Best to cut the stand when the adjacent stands to the west are cut in compartment 51.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	10	
Red Maple	60	Log/Pole	10	107
Paper Birch	3	Pole/Log	8	
Balsam Fir	7	Pole	8	
White Spruce	7	Log/Pole	10	
Northern White Cedar	10	Pole/Log	8	
White Pine	2	Log/Pole	14	
Hemlock	6	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
4	500 - Water	None	1.0			No	OPIC - FMD: Small bog pond in stand 29.2025: Small open water bog, surrounded by brush and few scattered trees, tamarack, B spruce, cedar, W pine, P birch.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	6120 - Lowland Cedar	Poletimber Well	17.0	131	81-110	N/A	OPIC - FMD: WELL-STOCKED,SOME BLOWDOWN 2015-cedar with associated swamp conifers, Deer yard2025: Accurate above comments. Dense cedar, lots of pole cedar with tag alder and fir understory, some mixed in spruce, tamarack, and fir. Trace amounts of P birch, Y birch, and R maple. Classic cedar stand, dense stocking, areas of brush/blowdown.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	6	
Black Spruce	15	Pole	7	
Northern White Cedar	70	Pole/Log	8	131
Tamarack	10	Pole	8	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4130 - Aspen	Poletimber Well	15.8	43	1-50	N/A	OPIC - FMD: 1-2" DBH 20'-30' tall, well stocked. 2015-A4A32025: Aspen dominant, 5-8" avg, some larger. Appears healthy, lots of maple saplings under the aspen. Trace amounts of paper birch sap/pole. Mainly 7"avg aspen with 1-3" S maple saplings underneath. Will most likely be ready to harvest 10 years from now. Treat with stand adjacent in the East.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	98	Pole	7	43
Balsam Fir	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
White Spruce	Low	Variable	Variable
Sugar Maple	High	10 - 20 feet	10 - 20 feet
Red Maple	Low	Variable	Variable
Ironwood	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4110 - Sugar Maple Association	Sawtimber Well	36.7	111	81-110	N/A	11/24/2020 KM: TCR Midterm Maple 32-023-18.OPIC - FMD: Cut in 1986 with adjacent stand from compartment 47. Essentially all of the elm was removed at that time which resulted in large canopy gaps with relatively low BA, (50-90). However, there is excellent sugar maple regeneration in these gaps from that cutting, but essentiallly no regeneration in the more heavily stocked areas. The scheduled treatment will be very light, focusing on removing low forked and previously damaged trees. 2012-Stand treated by C.J Logging under contract #021-07-01 fall and winter of 2011-2012. 2015-No regeneration from previous harvest. Stand was not marked heavily enough last cutting, we should go in again with a light selection harvest.2025: Accurate above data, stand appears healthy. Regeneration is ok, lots of leatherwood and raspberry, maple seedlings present in some places, few pockets of great sapling regen, but overall not much maple regen. BA is accurate 80-110, some variability, BA averaged around 90 from spins throughout the stand., Some scattered regen subcanopy species. Walked stand with TMS and discussed another thinning could open up the canopy more and allow for better regeneration. Stand has low wet ground areas scattered throughout, also had a drainage run off area in the SE middle of the stand near the stand border.
9	629 - Mixed non-forested Wetland	None	2.9			No	Mostly tag alder with other lowland shrubs. A few trees scattered in.
10	3102 - Grass	None	2.3			Yes	2025: Managed opening, mainly grass and ferns, some raspberry. Trace amounts of scattered aspen, R maple, cherry, W pine, tamarack, fir/spruce, J pine.
11	4130 - Aspen	Poletimber Well	59.0	41	Unspecified	N/A	CUT 1984 PERMIT NO. 25-82-1. 2020- 5"-8" aspen over small fir. The aspen is 25-30' tall just transitioning to a pole stand.2025: Aspen is 6-8"avg, some larger 8"+, stand will be ready to harvest in the next 10 years. Few scattered fir/spruce, P birch, cherry. Some raspberry present in old roads/skid trails. Some scattered low ground areas throughout with standing water, trace amounts of ash/alder in these wet areas. Most of the aspen is 3-4 sticks, some more. Some more open canopy areas throughout, probably from previous logging. The east edge has more wet ground and a higher conifer component. Trace amounts of R maple poles, W pine logs, Tamarack, B spruce all near the west stand edge, some wet areas. Aspen appears healthy and maturing well. Old grown in access road/trail in the south that goes through stand 22 and 16.
12	3103 - Rubus-Fern	None	3.1			Yes	2025: Open field, mainly raspberry and ferns, trace scattered cherry, spruce/fir, aspen.
13	3102 - Grass	None	2.9			Yes	2025: Large opening, trace amounts of scattered R maple, cherry, spruce/fir, W pine. Mainly grass and ferns with few scattered cherry.
14	622 - Lowland Shrub	None	13.1			No	Non stocked former L and cedar types flooded out from beaver activity in Wilson Creek. Numerous standing dead cedar.2025: Accurate above comments. Mainly tag alder with scattered tamarack, B spruce, cedar. Areas of standing dead cedar trees and blowdown. Open water in some areas, the living trees are mainly along the stand edges.

7

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	90	Log/Pole	12	111
Basswood	10	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Wild Red Raspberry	Low	5 - 10 feet	5 - 10 feet
Ironwood	Low	Variable	Variable
Leatherwood	Medium	5 - 10 feet	5 - 10 feet

11

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Pole	7	
Quaking Aspen	83	Pole	8	41
Bigtooth Aspen	3	Pole	8	
Balsam Fir	5	Pole	7	
White Spruce	5	Pole	7	
Black Cherry	2	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Black Cherry	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Red Maple	Medium	Variable	Variable
Wild Red Raspberry	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	6229 - Mixed Lowland Shrub	None	2.3			No	Non stocked former L and cedar types flooded out from beaver activity in Wilson Creek. Numerous standing dead cedar.2025: Accurate above comments, mainly tag alder and lots of standing dead cedar. Trace amounts of scattered R maple, cedar, B spruce, W pine, P birch, B fir. Flooded out area, standing water in areas, few live trees near stand edges.
16	622 - Lowland Shrub	None	12.5			No	2025: Low wet area, standing water, mainly tag alder. Trace scattered cedar, B pop, P birch, Y birch, B fir, R maple, B ash. Lowland shrub is accurate, low wet ground cutting through aspen stands.
17	6120 - Lowland Cedar	Poletimber Well	52.1	119	51-80	N/A	Low wet mixed swamp conifers with black spruce predominating.2025: Small portion of the stand, mainly southern border in Mikko's Maze timber sale #32-010-22, portions cut in 2024. Low wet ground, standing water in lots of places, lots of tag alder. Cedar dominant pole/log, lots of cedar nearing log size. Trace amounts of R maple, Y birch, tamarack. More of a cedar component than spruce, some of the spruce/fir is dead standing.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	8	Log/Pole	10	
Balsam Fir	12	Pole	8	
Black Spruce	20	Pole	8	
Northern White Cedar	50	Pole/Log	8	119
Black Ash	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Black Ash	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	3102 - Grass	None	2.0			No	2025: Grass opening with some scattered trees/shrubs.
19	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	14.4	119	51-80	N/A	Low wet mixed swamp conifers with black spruce predominating.2025: In active timber sale Mikko's Maze Aspen #32-010-22.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	8	Log/Pole	10	
Balsam Fir	13	Pole	8	
Black Spruce	34	Pole	8	
Northern White Cedar	35	Pole	8	119
Black Ash	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4110 - Sugar Maple Association	Poletimber Well	4.4	111	81-110	N/A	2025 - pole sized hardwood stand along the river. Ready for a harvest. OPIC - FMD: SMALL TREES,SMALL STAND.POOR QUALITY.NEAR RIVER. A part of the riparian corridor along the Escanaba River. Small stand on steep slope.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	90	Pole/Log	9	111
Basswood	10	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	4110 - Sugar Maple Association	Sawtimber Well	36.1	109	81-110	N/A	2025 - good quality hardwood stand. Regeneration is mostly undesirable species. Thinned by Lafleur in spring 2021. Maple Frosting Sale #006-18.OPIC - FMD: THINNED 1999. Permit #19-97-01. 2015- Leeks, leatherwood, high site quality. Forest floor carpeted with 2"-8" sugar maple seedlings. Excellent sugar maple regen for a change.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	92	Log/Pole	13	109
Basswood	8	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Leatherwood	High	5 - 10 feet	5 - 10 feet
Ironwood	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4130 - Aspen	Poletimber Well	332.9	48	51-80	N/A	Large aspen stand varies some in associates.2025: 131.1 acres of the stand in active timber sale Mikko's Maze Aspen #32-010-22. Goal is to treat the stand 1/3 at a time, managing 100-120 acres at a time.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Quaking Aspen	73	Pole	8	48
Bigtooth Aspen	5	Pole	8	
Balsam Fir	5	Pole	8	
White Spruce	5	Pole	8	
White Pine	2	Log	14	
Red Pine	2	Pole	8	
Black Ash	3	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4110 - Sugar Maple Association	Sawtimber Well	3.8	110	81-110	N/A	2025 - good quality sugar maple stand with a moderate amount of defect. Low levels of maple regeneration. Moderate amount of ironwood spruce, and fir in the understory. Stand is ready for a harvest. OPIC - FMD: THINNED 1999. Permit # 19-97-01. 2015-small island stand, fair quality.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Log/Pole	11	110
Basswood	35	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	Variable	Variable
Ironwood	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	5.5	119	51-80	N/A	Low wet mixed swamp conifers with black spruce predominating.2025: In active timber sale Mikko's Maze Aspen #32-010-22

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	8	Log/Pole	10	
Balsam Fir	13	Pole	8	
Black Spruce	34	Pole	8	
Northern White Cedar	35	Pole	8	119
Black Ash	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	6120 - Lowland Cedar	Sawtimber Well	9.4	176	141-170	N/A	2025 - very old and dense cedar stand. Basal area around 150-170. Little to no light on the ground. OPIC - FMD: LOT OF TWISTED + LEANERS.TIPOVERS.BIG OLD TREES. 2015-Island of cedar surrounded by aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5		8	
Black Spruce	5	Pole	8	
Northern White Cedar	90	Log	14	176

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Medium	Variable	Variable
Balsam Fir	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	4110 - Sugar Maple Association	Sawtimber Well	19.5	88	111-140	N/A	SELECT CUT IN 1984-2013 Site quality is also high but there is a lack of regeneration from the previous cutting. Sale cut by Gillis fall and winter 2012-2013 under contract # 012-12-02. 9 exclosures were set up in the larger gaps summer of 2013 by field staff, unit manager and tms.2025: Stand appears healthy growing good and canopies have room. BA spins accurate, most BA spins in the 110-140 range, some variable areas, BA averaged around 120 from spins throughout the stand. Some maple seed/sap present but not a lot of regeneration present overall. Also little to no regen within the enclosures. Walked stand with TMS, stand could use a thinning to promote hardwood regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log/Pole	12	88
Basswood	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Medium	5 - 10 feet	5 - 10 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	6120 - Lowland Cedar	Sawtimber Well	6.5	149	141-170	N/A	2025 - stand or larger cedar with some pockets of smaller cedar and a mix of other lowland confirm species. Most the regeneration is balsam fir.OPIC - FMD: Some large 14" cedar and larger scattered spruce. Retain as old gowth riparian corridor.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	8	Pole/Sap/Log	6	
Black Spruce	2	Log/Pole	10	
Northern White Cedar	90	Log/Pole	12	149

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
28	4130 - Aspen	Poletimber Well	29.5	35	1-50	N/A	2025 - stand is small to medium sized poles. Overall good quality. There are a few spots in the stand with wetter soils and lowland species mixed in. The stand looks healthy.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole/Sapling	6	
Paper Birch	2	Pole/Sapling	6	
Quaking Aspen	85	Pole	6	35
Balsam Fir	10	Pole	9	
Northern White Cedar	1	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Quaking Aspen	Medium	>20 feet	>20 feet
Hazelnut (Beaked)	High	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	4110 - Sugar Maple Association	Sawtimber Well	15.5	120	111-140	N/A	2025 - agree with previous notes. Good quality sugar maple with a fair amount of defect. Regeneration is patchy but good in some areas with vigorous looking saplings. Stand is ready for a harvest. OPIC - FMD: THINNED 1999. Permit # 19-97-01. Fair to good quality hardwoods. Sugar maple regeneration note: very good to excellent on the north slope, light to non-existent on the south slope.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	90	Log/Pole/XLog	15	120
Basswood	10	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Ironwood	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4130 - Aspen	Sapling Well	136.5	3	Unspecified	N/A	2025 - stand has regenerated well to aspen and is fully stocked. There are a few residual paper birch and cherry. Stand looks to be growing well.EB, 2022 - Sale was harvested and completed in Jan, 2022. OPIC - FMD: Stand has just transitioned into fully stocked 3 stick A6. 5-7" DBH 2015-aspen now 4-6 stick. South, higher site quality, aspen looks great. East and central, a little lower... Loosing some of the big tooth. Could split the stand and treat half of it. Contains a small C9 stand (former stand 60) in the sw corner.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	100	Sapling	1	3

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	12.4	90	51-80	N/A	OPIC - FMD: P TYPE IN CENTER,Q + C ON EDGES,POORER STOCKING IN CENTER.2025: Wet ground, standing water in spots, lots of tag alder in the understory. Lots of fir regen in the understory, lots of it is dead standing, little spruce regen. Trace amounts of Y birch, B poplar, B ash. Tamarack, cedar, and B spruce dominant, some mixed in birch, maple, and fir. Cedar mainly along stand edges and some scattered pockets. Canopy has a good amount of open scattered areas, wet tag alder pockets. BA is variable 50-80 covers majority of it, lower in few spots, pretty spaced out larger trees, mainly large tamarack. Overall mainly tamarack/B spruce, some cedar, then few mixed in other species, with low wet ground.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	9	
Paper Birch	10	Pole/Log	9	
Balsam Fir	5	Pole/Log	8	
Black Spruce	25	Pole	8	
Northern White Cedar	15	Log/Pole	10	151
Tamarack	40	Log/Pole	10	90

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	4130 - Aspen	Sapling Well	20.8	15	Immature	N/A	2025 - stand is fully stocked. Most trees 2-4" dbh. Mostly aspen with a few fir and residual cedar. 2010-Cut by Giguere August of 2009, sale not closed until summer of 2010. 2015 A2-A3, heavy raspberry.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	98	Sapling	1	15
Balsam Fir	1	Sapling	1	15
Northern White Cedar	1	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	< 5 feet
Wild Red Raspberry	High	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	6122 - Black Spruce	Poletimber Medium	39.8	110	1-50	N/A	OPIC - FMD: Sparse 1-2 stick black spruce with alder understory. 2015-very wet, couldn't access center of stand.2025: Accurate above comments. Wet ground, bog leatherleaf present, lots of tag alder present too. B spruce dominant, good portion of mixed in tamarack to, some scattered cedar and B poplar. B spruce is 4-8" mainly, majority is right around pole size 5-6", lots just at or nearing pole size. Basically B spruce/tamarack poles with fir and tag alder understory with scattered birch/BAM/Fir/Ash/cedar. Some scattered dead standing spruce/fir and some blowdown. Some more open canopy gaps with some tag alder pockets and less tree stocking.
34	4130 - Aspen	Sapling Well	12.4	4		N/A	2025 - stand has regenerated nicely to aspen. Fully stocked. Cut by Lafleur, winter 2020/21. Maple Frosting Sale #006-18.
35	413 - Aspen	Unspecifed	21.1	6	1-50		Stand was harvested in December, 2018. Was dense to fir in the northwest portion and contained large aspen and birch mixed in.OPIC - FMD: Well stocked 4-5 stick aspen with mixed fir/spruce. 2015-Stand under contract..sale #017-14-01.2025: Recently cut, saplings/seedlings growing in nicely and dominant, mainly aspen all around 1". Scattered conifer throughout, various pole sized species (cherry, spruce/fir, tamarack) left as residual from last harvest. Raspberry present in spots throughout, a few scattered low wet areas in the stand as well. Mainly aspen sapling regen with some scattered cherry, spruce/fir.
36	42340 - Upland Spruce/Fir	Poletimber Medium	5.9	55	51-80	N/A	2025 - Mostly upland spruce/fir type stand with some aspen and other species mixed in. The stand is ready to harvest. OPIC - FMD: Former grass opening filling in to fir, white spruce and aspen. SI from adjacent stand.
37	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	39.1	110	81-110	N/A	OPIC - FMD: SPRUCE ON HIGHER GROUND,CEDAR IN CENTER. Q OVERALL. Low, wet.2025: Low wet ground, bog leatherleaf present, some tag alder to. Trees are tall and appear healthy, mainly tamarack and B spruce with some scattered cedar. Lots of fir in the understory, good amount of cedar as well. Some blowdown/dieback, some standing dead trees. Variable size classes throughout, mainly poles with some scattered logs. Lots of tamarack/spruce are 6-8"avg poles then a good portion are 10"+. Variable BA, lots of pole sized trees that are spaced out well, 80-110 is most accurate, 50-80 in spots. Lower size diameter distribution in the east of the stand, majority of the east excluded from treatment.

33

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Sapling	6	
Balsam Poplar	5	Pole	8	
Balsam Fir	5	Pole	8	
Black Spruce	50	Pole/Sapling	6	110
Northern White Cedar	10	Pole/Log	9	110
Tamarack	20	Pole	8	
Black Ash	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Tamarack	Low	Variable	Variable
Red Maple	Low	Variable	Variable
Tag Alder	High	5 - 10 feet	5 - 10 feet

34

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	1	4

35

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Variable
Quaking Aspen	High	Variable	Variable

36

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	9	
Balsam Poplar	15	Log/Pole	10	
Balsam Fir	50	Pole	7	55
White Spruce	20	Log/Pole	10	
Tamarack	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable

37

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Log/Pole	10	
Black Spruce	40	Pole/Log	9	110
Northern White Cedar	20	Log/Pole	10	
Tamarack	35	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	Variable	Variable
Northern White Cedar	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	413 - Aspen	Sapling Well	16.6	26	Immature	N/A	OPIC - FMD: cut under permit 22-97-01 in 1999.7/19/23: Updated to non-OI cover type.2025: Cut in 1999 with adjacent stand to the west in compartment 59. Only access to the stand is from the east or west thru private property and on private roads. Aspen sapling stand, few fir patches.
40	6120 - Lowland Cedar	Poletimber Medium	12.2	86	51-80	N/A	Small cedar stand with associated swamp conifers, ie black spruce, fir.2025: Accurate above. Poorly stocked pole cedar, some mixed in R maple, spruce/fir, tamarack, ash, Y birch. Good portion of the spruce/fir is dead standing. Not much understory/regen, mainly tag alder and some R maple. Cedar pole/log dominant. Few scattered more open canopy tag alder/ash areas with dead ash/spruce/fir, low wet ground. Classic cedar stand, lots of down trees and tag alder. Poorly stocked, some other species starting to grow in but cedar is still the dominant species.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	12	
Yellow Birch	5	Log/Pole	10	
Balsam Fir	10	Pole	8	
Black Spruce	15	Pole	8	
Northern White Cedar	50	Log/Pole	11	86
Tamarack	5	Pole/Log	8	
Black Ash	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Red Maple	Medium	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar	Trace	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
41	6120 - Lowland Cedar	Poletimber Well	143.2	106	81-110	N/A	OPIC - FMD: 4-8" DBH AVERAGE. Cedar with associated swamp conifers.2025: Accurate above comments, classic cedar stand, wet ground, bog leatherleaf and tag alder present, low wet ground, lots of fir in the understory too. Cedar is mainly pole size, some logs, mainly poles nearing log size. Dense stand, lots of trees in the sub canopy, mainly fir with some tag alder. Scattered spruce/fir and tamarack, few log tamarack, portion of the spruce/fir is dead standing. Trace amounts of paper birch.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	7	
Black Spruce	15	Pole	7	
Northern White Cedar	70	Pole/Log	8	106
Tamarack	10	Pole/Log	9	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	3302 - Low Density Conifer Trees	None	1.9			No	
43	4130 - Aspen	Poletimber Well	35.3	50	Unspecified	N/A	2025 - Stand of mature aspen that is ready for harvest. Overall the stand is starting to decline slightly. Some of the aspen have conks showing decline and decay. OPIC - FMD: Stand has just transitioned into fully stocked 3 stick A6. 5-7" DBH 2015-aspen now 4-6 stick. South, higher site quality, aspen looks great. East and central, a little lower... Loosing some of the big tooth. Could split the stand and treat half of it. Contains a small C9 stand (former stand 60) in the sw corner.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Log/Pole	10	
Quaking Aspen	83	Log/Pole	10	50
Balsam Fir	5	Pole	7	
Black Spruce	4	Pole	8	
Northern White Cedar	6	Log/Pole	12	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
44	4110 - Sugar Maple Association	Poletimber Well	6.4	88	111-140	N/A	Good quality sugar maple with scattered basswood , occasional red maple and upland cedar. A few twins and triplet stems. Could hold this stand for 10 years and cut with stand 41, or treat this entry with stand 39. Understory composed of a light stocking of 3-4" dbh hard maple saplings. There is a lack of regeneration from the previous cutting. 2025: In active timber sale Mikko's Maze Aspen #32-010-22.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log/Pole	14	88
Basswood	3	Log/Pole	14	
White Pine	2	Log/Pole	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	4130 - Aspen	Sapling Well	11.7	15	Immature	N/A	Well stocked A3.2025: Mainly A3 saplings, very few near pole size, 2-3"Avg mainly, few mixed in spruce, fir, cherry. Trace amounts of tamarack, R maple, R pine, raspberry, blackberry, spruce/fir, among the trace various species seeding in on an old roadway thru the stand.
46	4134 - Aspen, Spruce/Fir	Poletimber Well	35.3	36	1-50	N/A	OPIC - FMD: 1-2" DBH,15-20' tall mostly well stocked except for a few wetter areas which are lighter stocked. 2015- Stand transitioning to poles.2025: Accurate above comments, majority of the stand is right at or above pole size. Trace amounts of tamarack, spruce, ash, birch, maple, cherry. Good amount of fir scattered throughout the stand. Spruce/fir/tamarack and tag alder present in low wet scattered pockets. Aspen overstory with some fir, then a variable mix of species in the understory but mainly fir and scattered tag alder.
47	3303 - Mixed Low Density Trees	None	15.4			No	2025: Open managed area, mainly ferns/grass and small shrubs. Few scattered trees, mainly spruce/fir, aspen, cherry. Trace amounts of W pine and J pine. North tip of the stand included in Mikko's Maze Timber sale #32-010-22, cut in 2025.
48	4110 - Sugar Maple Association	Sawtimber Well	31.4	111	81-110	N/A	Cut fall of 2020 by LaFleur. Maple Frosting Sale #006-18.OPIC - FMD: Cut 1998 west end by Kirchner permit #21-97-01, did not finish. Finished 2003 LaFleur permit #44-01-01. 2015-Little regeneration from the previous thinning. Some 3-4" sm saplings from 30 years ago. There are a few pockets of dense 5' sugar maple on the north slope...south slope none....moisture? About 3 acres of A3 included with this sale.2025: Accurate above comments, not a whole lot of maple regeneration coming in yet from previous harvest. M9 stand that appears healthy.
49	4130 - Aspen	Poletimber Well	1.3	111	81-110	N/A	Old aspen stand that is falling out and converting to hardwood. This is desirable close to the river and can be managed as a hardwood stand in the future. The understory is fully stocked with sugar maple.

45

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	94	Sapling	3	15
Balsam Fir	2	Sapling	3	15
White Spruce	1	Sapling	3	
Black Cherry	3	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Trace	< 5 feet	< 5 feet
Red Maple	Trace	Variable	Variable

46

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Pole	6	36
Balsam Fir	20	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	High	Variable	Variable
Black Cherry	Low	Variable	Variable
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
White Spruce	Low	Variable	Variable
Black Spruce	Low	Variable	Variable

48

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	87	Log/Pole	13	111
Basswood	10	Log	14	
Paper Birch	1	Log/Pole	10	
White Spruce	1	Log	12	
Northern White Cedar	1	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Variable
Ironwood	Medium	Variable	Variable

49

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole/Log	9	111
Basswood	10	Log	11	
Quaking Aspen	75	Log/Pole	11	111

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	28.8	108	81-110	N/A	OPIC - FMD: Larger spruce on higher ground with big balm. Smaller lowland conifers in the center and south edge of stand.2025: Accurate above comments. Fairly open canopy with gaps in spots, scattered species, mainly cedar/spruce/tamarack, with some R maple, fir, P birch. Lots of fir regen, good amount of R maple and tag alder present to. Areas of heavy tag alder in pockets of lower stocking and low wet ground. Larger diameter ok quality tamarack/spruce, good mix of B. poplar as well. Wet areas to watch out for, trace large diameter aspen/spruce, some trace cherry, ash, ironwood. Lots of dead fallen over trees, some blowdown, and some dead standing spruce/fir.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	8	
Paper Birch	5	Pole/Log	8	
Quaking Aspen	2	Log/Pole	10	
Balsam Poplar	8	Log/Pole	10	
Balsam Fir	8	Pole	8	
Black Spruce	30	Pole/Log	8	108
Northern White Cedar	20	Log/Pole	10	108

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Tamarack	Low	Variable	Variable
Red Maple	Medium	Variable	Variable
Paper Birch	Low	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	Low	Variable	Variable
Northern White Cedar	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
51	4130 - Aspen	Sapling Well	9.2	22	Immature	N/A	OPIC - FMD: Cut 2003 IaFleur permit #44-01-01.2025: Mainly 2-4" aspen with R and S maple saplings 1-2" underneath. Few poles left behind from previous harvest, various trace species (R maple, S maple, B fir, W spruce, cherry, Y birch, ash). The aspen appears healthy, growing well, majority is nearing pole size.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	4	Sapling	2	
Red Maple	6	Sapling	2	
Paper Birch	2	Sapling	2	
Quaking Aspen	88	Sapling	4	22

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Variable
Red Maple	Medium	Variable	Variable
White Spruce	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	6120 - Lowland Cedar	Sawtimber Well	2.4	151	141-170	N/A	Some blowdown. Nice little pocket of large cedar.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	7	Log/Pole	12	
Paper Birch	7	Pole	8	
Northern White Cedar	80	Log/Pole	12	151
Hemlock	6	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4130 - Aspen	Poletimber Well	99.1	50	51-80	N/A	2025 - stand is about 50 years old. Ready to harvest. The aspen along the road is on highlands dry ground and very good quality. Closer to the river the soils are wetter and quality is not as good. There is a small intermittent streams near stand 62 that will need to be buffered out of the treatment. In the northwest section of the stand there is an area that falls within the 660 foot buffer for wood turtles. Harvest activities within this area can only happen from October 1 to March 14, no activities are allowed from May 1 to September 30. OPIC - FMD: Stand has just transitioned into fully stocked 3 stick A6. 5-7" DBH 2015-aspen now 4-6 stick. South, higher site quality, aspen looks great. East and central, a little lower... Loosing some of the big tooth. Could split the stand and treat half of it. Contains a small C9 stand (former stand 60) in the sw corner.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	3	Log/Pole	11	
Red Maple	3	Pole/Log	9	
Quaking Aspen	63	Log/Pole	10	50
Bigtooth Aspen	20	Log/Pole	11	50
Balsam Poplar	5	Pole	8	
Balsam Fir	5	Pole	7	
Northern White Cedar	1	Log/Pole	11	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
54	4130 - Aspen	Poletimber Well	28.8	26	Immature	N/A	OPIC - FMD: CUT UNDER PERMIT#20-97-01 2015-Well stocked aspen. Contains a 4 acre "island" of large mixed hardwoods.2025: Aspen dominant stand, 3-6" avg, majority of aspen is all right around pole size/just becoming pole size. Some mixed in fir scattered, some poles/few 10"+, few scattered cherry and W spruce poles. Few larger 8-10"+ aspen scattered. Raspberry scattered, present in old trails. Trace amounts of maple, ironwood, elm.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	93	Pole/Sapling	5	26
Balsam Fir	5	Pole/Sapling	7	
White Spruce	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Wild Red Raspberry	Low	5 - 10 feet	5 - 10 feet
White Spruce	Low	Variable	Variable
Black Cherry	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	6229 - Mixed Lowland Shrub	None	5.3			No	Small pocket of willow.2025: Low wet ground, standing water with willow/alder and lots of grass. Trace amounts of scattered conifer trees. Bog leatherleaf present.
56	42110 - Planted Red Pine	Sawtimber Well	4.4	86	111-140	N/A	THINNED IN 77 OR 78 2010-Predominantly a red pine sawtimber stand with heavy brush in the understory.2025: In active timber sale Mikko's Maze Aspen #32-010-22

56

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Log/Pole	10	
Red Pine	98	Log/Pole	14	86

57 4130 - Aspen | Poletimber Well | 59.4 | 35 | 51-80 | N/A

Moderate quality, pole sized aspen stand. Fair amount of fir and spruce mixed in. Mostly dry site.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	11	
Quaking Aspen	85	Pole	7	35
Balsam Fir	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Ironwood	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	790 - Other Bare/Sparsely Vegetated	None	0.9			No	OPIC - FMD: GRAVEL PIT2025: accurate above comments, old gravel pit that is beginning to fill in with scattered trees. Standing water on West side of the road.
59	3104 - Degraded	None	28.9			No	Powerline R.O.W.
60	330 - Low-Density Trees	None	2.3			No	

61 6139 - Mixed Lowland Forest | Poletimber Poor | 15.8 | 90 | 1-50 | N/A

OPIC - FMD: Sparse, wet, with a small stream running thru. Highly erodable riparian zone. LF.2025: Accurate above comments, heavy tag alder understory, low wet ground, standing water in most areas. Pretty open canopy, sparse stocking in majority of the stand, low quality trees, balsam poplar dominant. Some standing dead trees, blowdown, mainly dead standing spruce/fir, trace amounts of ash and maple. Mixed bag stand, B poplar dominant with good components of tamarack/B spruce mixed in, with heavy tag alder understory in low wet standing water ground.

Canopy Species	% Cover	Size Class	DBH	Age
American Elm	8	Pole	8	
Paper Birch	5	Pole/Log	8	
Quaking Aspen	5	Log/Pole	10	
Balsam Poplar	35	Pole/Log	8	90
Balsam Fir	10	Pole	9	
Black Spruce	15	Pole	8	
Northern White Cedar	2	Log/Pole	10	
Tamarack	20	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Variable
Balsam Fir	Medium	Variable	Variable
Tag Alder	Full	5 - 10 feet	5 - 10 feet

62 6120 - Lowland Cedar | Sawtimber Well | 5.8 | 176 | 141-170 | N/A

2025 - large cedar with a mix of species in the gaps within the stand.

OPIC - FMD: Small stand of larger cedar.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	12	
Balsam Poplar	5	Log/Pole	12	
Northern White Cedar	80	Log/Pole	12	176
Hemlock	10	Log	16	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
63	4319 - Mixed Upland Forest	Poletimber Well	24.9	138	51-80	N/A	2025 - mostly upland stand with low spots. Borders the west brand escanaba river. Mix of species and sizes. Most the ash is in poor shape or dead. OPIC - FMD: Mostly white spruce with fir, w. birch and some aspen. Retain as riparian corridor along the W. Branch Escanaba River.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
White Ash	15	Log/Pole	11	
Paper Birch	15	Log/Pole/Sap	11	
Balsam Poplar	15	Log/Pole	10	
Balsam Fir	20	Pole	8	
White Spruce	20	Log/Pole/XLog	13	138
Northern White Cedar	10	Log/Pole	11	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	4110 - Sugar Maple Association	Poletimber Well	4.1	84	81-110	N/A	Small island of fair quality hardwoods surrounded by aspen poles.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	90	Pole	9	84
Red Maple	6	Pole	9	
Quaking Aspen	4	Log/Pole	10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	3103 - Rubus-Fern	None	3.1			No	West end seeded to rye in 1979. 2025: Mainly ferns/shrubs, some scattered trees, spruce/fir, cherry, aspen. Trace amounts of tamarack, R pine.
66	3301 - Low Density Deciduous Trees	None	4.2			No	2025: Open managed area, few scattered aspen and conifer trees with some raspberry present to.
67	3301 - Low Density Deciduous Trees	None	2.4			No	2025: Small open gap managed area that is starting to fill in with trees, scattered aspen, conifer, raspberry.
68	4130 - Aspen	Poletimber Well	12.4	57	81-110	N/A	OPIC - FMD: 4-5 stick with a mix of spruce/fir 2015-Decent aspen with a mix of spruce/fir. Scattered large sugar maple.2025: In active timber sale Compartment 59 East #32-016-21

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Log	12	
Quaking Aspen	88	Pole/Log	9	57
Balsam Fir	5	Pole/Log	9	
White Spruce	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Sugar Maple	Medium	Variable	Variable
Balsam Fir	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	4110 - Sugar Maple Association	Sawtimber Well	4.3	120	81-110	N/A	OPIC - FMD: CUT UNDER PERMIT#20-97-01 2015-Well stocked aspen. Contains a 4 acre "island" of large mixed hardwoods.2025: 4-acre hardwood stand in the middle of an aspen stand. BA avg around 80-110, pretty open canopy, tree crowns have room and are not crowded. Mainly S maple/basswood dominant, some mixed in Y birch, fir, spruce, cedar, overmature aspen. Regen is a mix of fir, spruce, ironwood, S maple, all low densities. There is a good amount of large diameter S maple and basswood, some aspen. Trace amounts of P birch, ironwood, W spruce.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Log/Pole	14	120
Yellow Birch	8	Log/Pole	14	
Basswood	20	Log/Pole	14	
Quaking Aspen	5	Log/Pole	14	
Balsam Fir	2	Pole	8	
Northern White Cedar	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Ironwood	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
White Spruce	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	42340 - Upland Spruce/Fir	Poletimber Well	6.7	40	Unspecified	N/A	CUT 1984 PERMIT NO. 25-82-1. 2020- 5"-8" aspen over small fir. The aspen is 25-30' tall just transitioning to a pole stand.2025: Previously part of stand 11, aspen stand to the west, delineated out and made into its own stand due to high conifer presence. Mainly Pole/sap B fir and B spruce throughout, 3-6"avg. A portion of the stand is dead standing. Stand has some wet low areas with tag alder and beaver sign in places. There was a small stream in the NW corner of the stand with running water at time of inventory. Site conditioned due to 300 foot trout stream buffer and wet ground.
401	310 - Herbaceous Openland	None	7.1			No	OPIC - FMD: OI Stand Year Origin was 2025: Mainly grass/ferns, some scattered shrubs and raspberry. Overall very open, not many trees growing in, road runs thru the stand. Scattered aspen and conifer, mainly saplings 2-3".
403	310 - Herbaceous Openland	None	11.9			No	Opening is filling in with open grown maple and come conifer trees. Opening could be cut this entry if desirable since the adjacent stands are prescribed.
411	310 - Herbaceous Openland	None	4.0			No	OPIC - FMD: OI Stand Year Origin was 2025: Opening with grass and scattered trees/shrubs, tamarack/cherry mainly, some conifers spruce/fir. Few seedlings/saplings scattered.
412	310 - Herbaceous Openland	None	2.0			No	Old opening slowly filling in with fir and some spruce. It will likely be dense enough next inventory cycle to be considered forested.

Stand 70 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	50	Pole/Sapling	6	40
White Spruce	5	Pole/Sapling	6	
Black Spruce	45	Pole/Sapling	6	

Stand 70 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Alder	Low	5 - 10 feet	5 - 10 feet