



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41089

Entry Year 2022

Acreage: 1,805

County Delta

Management Area: Garden Thompson Plains

Revision Date: 2020-05-08

Stand Examiner: Adam Petrelius

Legal Description:

T40N R18W, Sections 9, 10, 11, 12

Identified Planning Goals:

Compartment 89 lies within the Garden/Thompson Plains Management Area. A large portion of the compartment also lies within the Garden Grade Grouse Enhanced Management Site (GEMS). GEMS are a collection of intensively managed lands spread across the Peninsula to provide walk-in hunting opportunities. These areas act as a destination site for grouse hunters, while providing a unique opportunity for hunting and wildlife viewing, and ultimately supporting local economies.

Soil and topography:

The topography within the compartment is mostly flat with a few steeper ridges. Elevation values range between 600-748 feet. Most of the compartment is forested with only a few stands classified as marsh or treed bog. Aspen is the dominant cover type. Other abundant cover types include lowland cedar, mixed northern hardwood, lowland aspen, and lowland deciduous forest. Numerous soil types are located in this compartment. A few of the most abundant soils are Roscommon Mucky Sand, Kalkaska Sand, and Carbondale/Rifle/Lupton Soils. Major habitat types within the compartment, in order of abundance, are Unclassified Lowland, ATFD, PVE, and PARV.

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

State land within this compartment was acquired between 1907 and 1970. Most of the land was acquired around 1940. The compartment boundary borders private and state land. The southern boundary and northern boundaries border state land. The eastern and western boundary borders private land. A few camps are located on the private parcels adjacent to the boundary. Permanent residences border the western edge. The compartment is used mostly by hunters, ORV users, and snowmobile riders.

Unique Natural Features:

Bald Eagle (*Haliaeetus leucocephalus*, state threatened) are known from the general area and there is potential for these raptors to occur within this compartment. In addition, Osprey (*Pandion haliaetus*, state threatened) are known from the general area and there is potential for these raptors to occur within this compartment. There is also potential for nesting red-shouldered hawk (*Buteo lineatus*, state threatened) to occur throughout this compartment in stands of northern hardwoods, mixed swamp conifer, and mature aspen.

Archeological, Historical, and Cultural Features:

Evidence of historical sites has been documented in the area and these areas have been protected from disturbance during timber harvests and wildlife habitat work.

Special Management Designations or Considerations:

A large portion of lowland conifers along the lakeshore has been designated as a wildlife corridor. In addition, the majority of the compartment lies within the Garden Grade GEMS.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Compartment 89 lies within eastern Delta county at the top of the Garden Peninsula in the Escanaba/Door Peninsula ecological sub-subsection and is a part of the Garden Thompson Plains Management area with American woodcock, ruffed grouse, white-tailed deer and wild turkey as featured species. This compartment is also part of the Garden Grade Grouse Enhanced Management Site (GEMS). The growing season is approximately 140 days. Extreme minimum winter temperature is -30 F. Snowfall in this area is relatively light averaging about 60 inches per year.

Pre-settlement lowland forest types were dominated by cedar, but also contained tamarack, red maple, paper birch, black

spruce, aspen, balsam fir, and balsam poplar. Uplands were primarily covered with hemlock, white pine, or a mixture of the two. Due to the shallow soils and proximity to Lake Michigan, windthrow appeared to be the primary natural disturbance factor. Beaver ponding likely occurred along the Little Fishdam River and its tributaries, which run through this compartment. Current lowland forest composition is similar to pre-settlement conditions with cedar being the dominant species. Upland forest composition has shifted heavily toward aspen.

Wildlife habitat management objectives for this compartment are diverse. GEMS forest stands will be managed according to the Garden Grade GEMS management plan. Aspen and white birch will be managed to provide age and structural diversity within the early successional forest types. Oak will be managed for optimum mast production. Other wildlife priorities include maintaining open-land habitat, retaining soft and hard mast producing species in harvested stands and ensuring connectivity of forest types along the Lake Michigan shoreline for neotropical migrants. Other wildlife species of interest include black bear, phoebe, and evening grosbeak.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is between 10 and 50 feet of glacial drift. The Silurian Cabothead Shale and Burnt Bluff subcrop below the glacial drift. The Burnt Bluff is used for stone. The nearest gravel pit is 3 miles to the northeast. There is limited gravel potential on State lands.

Vehicle Access:

The Cooks/Garden Grade snowmobile trail travels through the compartment and is the main access route. The majority of all other roads within the compartment have been designated as hunter walking trails and are gated. These trails have been closed to motor vehicle use.

Survey Needs:

Survey needs are present in the NE corner of the compartment bordering a private 40 acre parcel. Land adjacent to this parcel has been scheduled for harvest.

Recreational Facilities and Opportunities:

The Cooks/Garden grade snowmobile trail travels through the middle of the compartment and receives moderate use by ORV riders also. An extensive network of hunter walking trails exist along with interpretive signs, gates, and parking areas.

Fire Protection:

Response time to fires within this compartment from the Thompson field office will be moderate to fast. The fire office is located 8 miles to the east, and travel would be along US-2. The compartment receives moderate use throughout fire season and human caused fires are a concern. Both spring and summer fires are likely to occur here. Mixed fuel types and higher humidity values make this area less conducive to a large wildfire. Water sources are abundant and include Lake Michigan, Little Fishdam River, and a small lake adjacent to the MDOT rest area. In 2007 a 41 acre fire burned in this compartment through a recently harvested aspen stand.

Additional Compartment Information:

The following reports from the Inventory are attached:

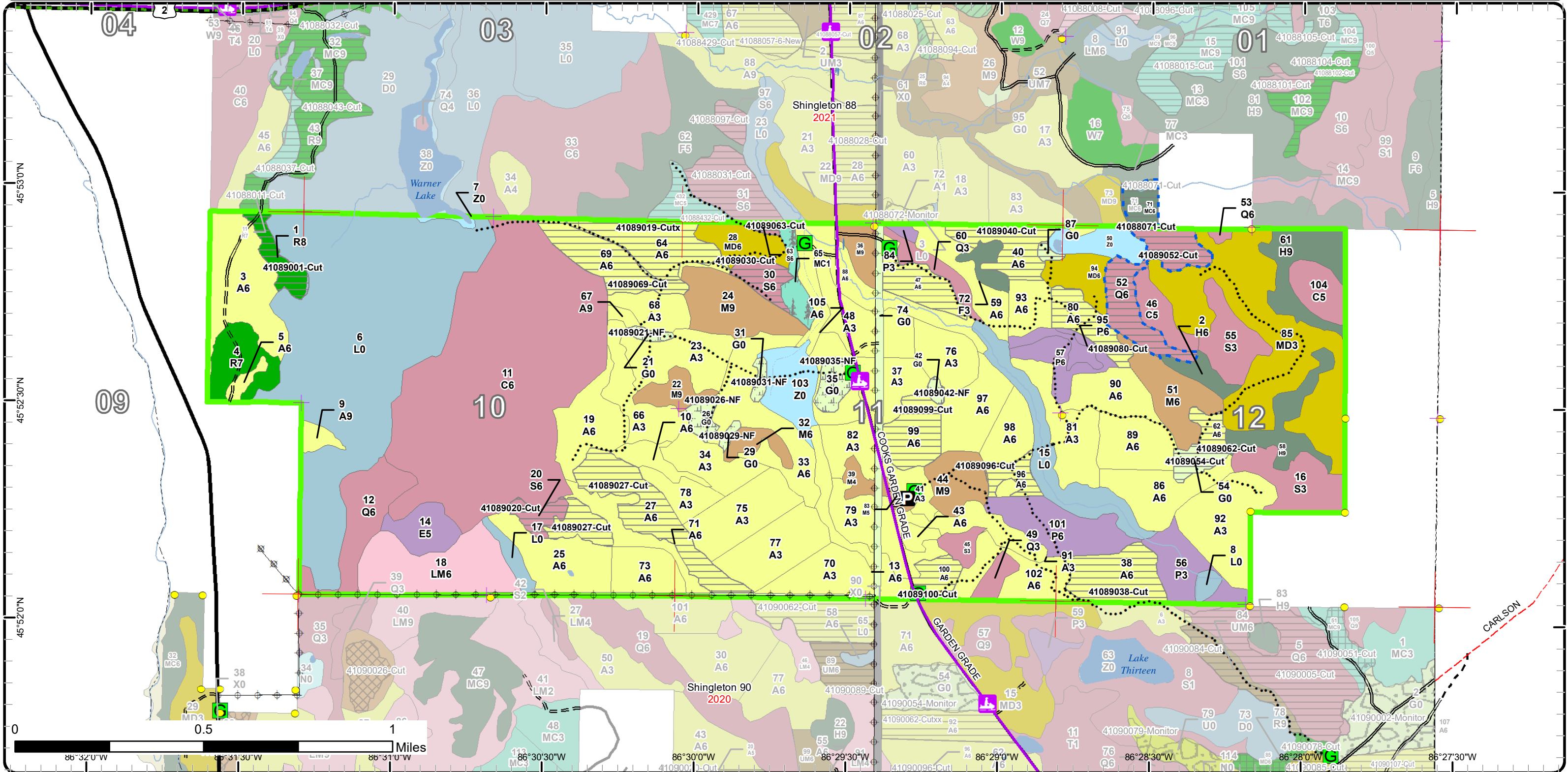
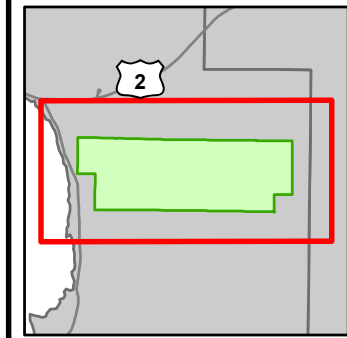
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

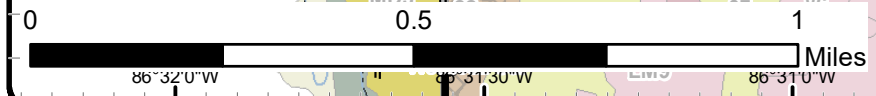
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 89
 T40N,R18W, Sec: 9-12
 County: Delta
 Unit: Shingleton
 Mgmt Area: Garden Thompson
 Plains
 YOE: 2022
 Acres: 1,805 GIS Calculated
 Examiner: Adam Petrelius
 Map Revised: 8/26/2020
 Map Phase: Web Post

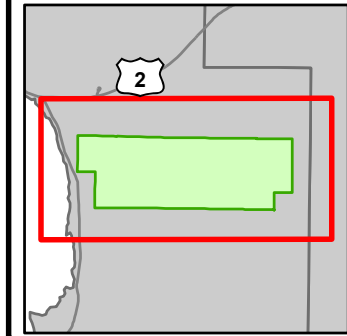


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- - - Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- ... DNR - Management Access
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Berms
- Gate
- Culvert
- Parking Lot
- ★ Trailhead
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

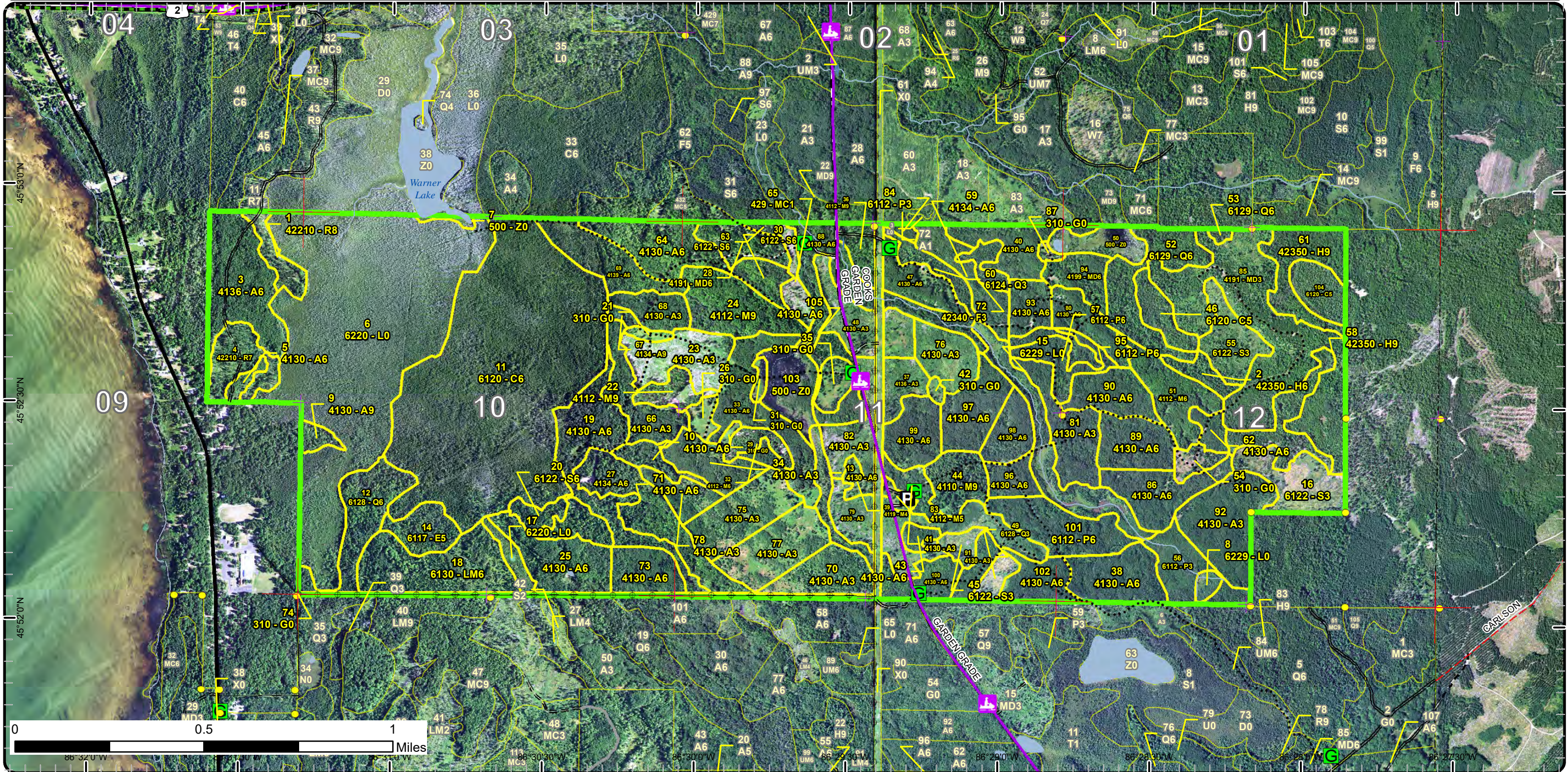


Stand Boundary Map

Compartment: 89
 T40N,R18W, Sec: 9-12
 County: Delta
 Unit: Shingleton
 Mgmt Area: Garden Thompson Plains
 YOE: 2022
 Acres: 1,805 GIS Calculated
 Examiner: Adam Petrelius
 Map Revised: 8/26/2020
 Map Phase: Web Post

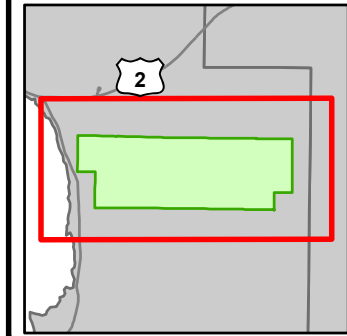


- | | | |
|--|---------------------------|---------------------------------|
| — Miris Corners | ▲ Berms | 411 - Northern Hardwood |
| ⊕ Remonumented Section Corners | ⬢ Gate | 413 - Aspen |
| ● Survey Grade Corners | ⬜ Culvert | 419 - Mixed Upland Deciduous |
| ⬜ Counties | Ⓟ Parking Lot | 422 - Natural Pines |
| — DNR - Primary Forest Road | ★ Trailhead | 423 - Other Upland Conifers |
| — DNR - Secondary Forest Road | ⋯ Intermittent Stream | 429 - Mixed Upland Conifers |
| == DNR - Forest Access Route | — Island in Lake or River | 611 - Lowland Deciduous Forest |
| — Federal / State Highway | — Lake/Pond | 612 - Lowland Coniferous Forest |
| - - Federal / State - Dirt / Gravel Road | — Perennial River | 613 - Lowland Mixed Forest |
| — Private - Paved Road | — Shoreline | 310 - Herbaceous Openland |
| ⋯ DNR - Management Access | — Lakes and Rivers | 500 - Water |
| ⚡ Snowmobile Trails | ⊕ Powerline | 622 - Lowland Shrub |
| — Designated Snowmobile Trails | ⬢ Compartment Boundary | |
| | ⬢ Stand Boundaries | |

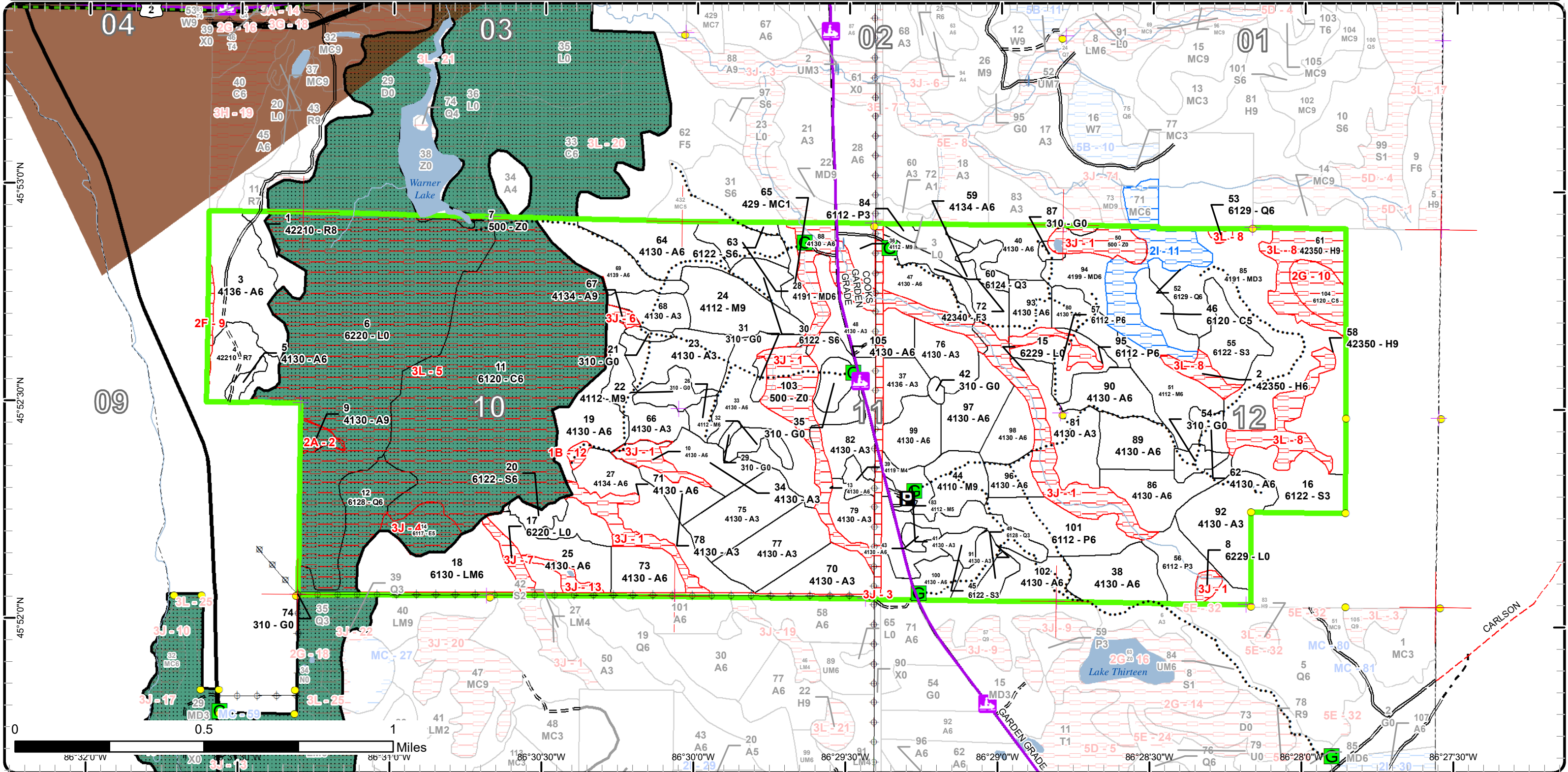


Special Conservation Areas

Compartment: 89
 T40N,R18W, Sec: 9-12
 County: Delta
 Unit: Shingleton
 Mgmt Area: Garden Thompson Plains
 YOE: 2022
 Acres: 1,805 GIS Calculated
 Examiner: Adam Petrelius
 Map Revised: 8/26/2020
 Map Phase: Web Post



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Primary Forest Road
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- - - Federal / State - Dirt / Gravel Road
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- ... DNR - Management Access
- 🚙 Snowmobile Trails
- 🚙 Designated Snowmobile Trails
- ▲ Berms
- 🚪 Gate
- 🚰 Culvert
- 🅑 Parking Lot
- 🌟 Trailhead
- ~ Intermittent Stream
- 🌊 Island in Lake or River
- 🌊 Lake/Pond
- 🌊 Perennial River
- 🌊 Shoreline
- 🌊 Lakes and Rivers
- ⚡ Powerline
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 🔴 Unavailable
- 2I: Survey needed
- 1B: Non-DNR agency concerns (e.g. USFS)
- 2A: Adjacent landowner denied access
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 🏠 Stand Boundaries
- 🏠 SCA
- 🏠 Deer Winter Range
- 🏠 Habitat Corridor





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	0	161	95	150	145	120	32	91	0	0	0	0	0	0	0	0	0	0	794
Cedar	0	0	0	0	0	0	0	0	0	21	195	0	0	0	0	0	0	0	216
Hemlock	0	0	0	0	0	0	0	6	0	21	0	16	0	0	0	0	0	0	42
Herbaceous Openland	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Lowland Aspen/Balsam Poplar	0	2	0	40	17	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Lowland Conifers	0	5	0	0	8	0	0	0	25	26	0	0	0	0	0	0	0	0	63
Lowland Deciduous	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	12
Lowland Mixed Forest	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Shrub	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221
Lowland Spruce/Fir	0	26	17	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	59
Mixed Upland Deciduous	0	0	82	0	11	12	0	0	0	0	0	0	0	0	0	0	0	0	105
Northern Hardwood	0	0	0	0	20	7	0	0	0	14	46	0	0	0	0	0	0	0	87
Red Pine	0	0	0	0	0	0	0	0	16	8	0	0	0	0	0	0	0	0	24
Upland Conifers	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Total	298	201	194	225	207	139	32	97	61	98	241	16	0	0	0	0	0	0	1807



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 89

Total Compartment Acres: 1,805

Commercial Harvest - 204
 Harvests with Site Condition - 26
 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	173	0	0	0	0	0	0	0	0	173
Herbaceous Openland	7	0	0	0	0	0	0	0	0	7
Lowland Conifers	26	0	0	0	0	0	0	0	0	26
Lowland Spruce/Fir	15	0	0	0	0	0	0	0	0	15
Red Pine	9	0	0	0	0	0	0	0	0	9
Total	229	0	0	0	0	0	0	0	0	229

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	229	0	7	0	0	0	0	18		255
Next Step	0	9	9	0	0	34	238	0	7	296
Total	229	9	16	0	0	34	238	0	25	551



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

Proposed Treatments:

71	41088071-Cut	6.6	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	67	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
----	--------------	-----	--	-----------------	----	--------	---------	-------------------------	-----------------------------	-----------	----

Prescription Cut all trees except hemlock and oak. Dense areas of hemlock which are inoperable should be excluded with sale boundary. These areas will be the retention patches along with river buffer to the west. Harvest with adjacent stand to the south.

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

Acceptable any species
Regen:

Other
Comment:

Site Condition Survey Needed
Proposed Start Date: 10/1 /2021

1	41089001-Cut	8.5	42210 - Natural Red Pine	Sawtimber Medium	87	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
---	--------------	-----	--------------------------	------------------	----	-------	---------	-------------------------	-------------------------	-----------	----

Prescription Cut all trees live and dead down to 2 inches. Edge retention only to support plantation management.

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release

Acceptable red pine
Regen:

Other
Comment:

Site Condition
Proposed Start Date: 10/1 /2020

20	41089020-Cut	6.0	6122 - Black Spruce	Poletimber Well	86	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
----	--------------	-----	---------------------	-----------------	----	--------	---------	-------------------------	---------------------	-----------	----

Prescription Cut all trees except oak and hemlock. Retention has already been deducted and is located in river buffer.

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

Acceptable mixed coniferous and deciduous species
Regen:

Other Sale was turned back in to state a few years ago. Old paint will still be present.
Comment:

Site Condition
Proposed Start Date: 10/1 /2021



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	41089021-NF	2.1	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
-----------	--------------------	-----	---------------------------	------------	--	-------------	--------------	-----------------	---------------------------	----

Prescription Opening Maintenance:
Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others
Next Step
Treatments:
Acceptable Regen:
Other current and previous work accomplished under FTP W41-1639.
Comment: Will include various treatments (see prescription specs above)
Site Condition
Proposed Start Date: 10/1 /2021

26	41089026-NF	4.3	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
-----------	--------------------	-----	---------------------------	------------	--	-------------	--------------	-----------------	---------------------------	----

Prescription Opening Maintenance:
Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others
Next Step
Treatments:
Acceptable Regen:
Other former and current work accomplished under FTP W41-1639
Comment: Will include various treatments (see prescription specs above)
Site Condition
Proposed Start Date: 10/1 /2021

27	41089027-Cut	36.4	4134 - Aspen, Spruce/Fir	Poletimber Well	61	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----------	---------------------	------	--------------------------	-----------------	----	---------	---------	-------------------------	-------------	-----------	----

Prescription Cut all trees except hemlock and oak. Retention is already deducted in creek buffer. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Regen: mixed coniferous and deciduous species
Other Sale was turned back into the state a few years ago. Old paint will be present.
Comment:
Site Condition
Proposed Start Date: 10/1 /2021



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

29	41089029-NF	1.2	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
-----------	--------------------	-----	---------------------------	------------	--	-------------	--------------	-----------------	---------------------------	----

Prescription Opening Maintenance:
Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others
Next Step
Treatments:
Acceptable Regen:
Other former and current work accomplished under FTP W41-1639
Comment: will include various treatments (see prescription specs above)
Site Condition
Proposed Start Date: 10/1 /2021

30	41089030-Cut	7.7	6122 - Black Spruce Poletimber Well	78	111-140		Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
-----------	---------------------	-----	-------------------------------------	----	---------	--	---------	----------	---------------------	-----------	----

Prescription Cut all trees except hemlock and oak. This will be the only retention due to small stand size.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Regen: mixed coniferous and deciduous species
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2021

31	41089031-NF	2.2	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
-----------	--------------------	-----	---------------------------	------------	--	-------------	--------------	-----------------	---------------------------	----

Prescription Opening Maintenance:
Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others
Next Step
Treatments:
Acceptable Regen:
Other former and current work accomplished under FTP W41-1639.
Comment: Will include various treatments (see prescription specs above)
Site Condition
Proposed Start Date: 10/1 /2021



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

35	41089035-NF	7.0	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
-----------	--------------------	-----	---------------------------	------------	--	-------------	--------------	-----------------	---------------------------	----

Prescription Opening Maintenance:
Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others

Next Step
Treatments:

Acceptable
Regen:

Other former and current work accomplished under FTP W41-1639

Comment: Will include various treatments (see prescription specs above)

Site Condition

Proposed Start Date: 10/1 /2021

38	41089038-Cut	20.9	4130 - Aspen	Poletimber Well	27	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----------	---------------------	------	--------------	-----------------	----	-------	---------	-------------------------	-------------	-----------	----

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Buffer creek 100 feet. This will be the retention area. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood.

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

Acceptable Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2026

40	41089040-Cut	15.6	4130 - Aspen	Poletimber Well	30	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----------	---------------------	------	--------------	-----------------	----	-------	---------	-------------------------	-------------	-----------	----

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Buffer creek 100 feet. This will be the retention area. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood.

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

Acceptable Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /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
42 41089042-NF	1.6	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening Maintenance: <u>Specs:</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> former and current work accomplished under FTP W41-1639 will include various treatments (see prescription specs above)</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										
47 41089047-Cutx	12.7	4130 - Aspen	Poletimber Well	30	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Buffer creek 100 feet. This will be the retention area. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2026</p>										
52 41089052-Cut	25.5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	86	111-140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Dense areas of hemlock which are inoperable should be excluded with sale boundary. These areas will be the retention patches. Do not cut cedar unless needed for harvesting operations.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mixed coniferous and deciduous species</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2021</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
54 41089054-Cut	5.3	310 - Herbaceous Openland	Nonstocked			Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription</u> Cut all trees down to 2 inches. <u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Other - Specify <u>Treatments:</u></p> <p><u>Acceptable</u> any species or non. WLD non forest management. <u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										
62 41089062-Cut	4.9	4130 - Aspen	Poletimber Well	39	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Buffer creek 100 feet. This will be the retention area. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable. <u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										
65 41089065-Plant	7.3	429 - Mixed Upland Conifers	Sapling Poor	4	1-50	Planting	Underplant	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Plant oak throughout stand where regeneration is absent. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> mixed coniferous and deciduous species <u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
69 41089069-Cut	19.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable. <u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

80	41089080-Cut	12.5	4130 - Aspen	Poletimber Well	30	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----------	---------------------	------	--------------	-----------------	----	--------	---------	-------------------------	-------------	-----------	----

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Buffer creek 100 feet. This will be the retention area. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2026

87	41089087-Cut	1.4	310 - Herbaceous Openland	Nonstocked	0		Harvest	Clearcut	310 - Herbaceous Openland		No
-----------	---------------------	-----	---------------------------	------------	---	--	---------	----------	---------------------------	--	----

Prescription Cut all trees to 2 inches.

Specs:

Next Step NonForestMgt, Other - Specify

Treatments:

Acceptable any species or none. WLD managed opening.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2026

99	41089099-Cut	15.3	4130 - Aspen	Poletimber Well	41	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----------	---------------------	------	--------------	-----------------	----	--------	---------	-------------------------	-------------	-----------	----

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /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
100 41089100-Cut	7.7	4130 - Aspen	Poletimber Well	44	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log per acre on site for drumming logs. Do not cut serviceberry and dogwood. Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen regeneration is expected, however mixed deciduous and coniferous species are acceptable.</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> 10/1 /2026</p>										

Approved Treatments:

64 41089019-Cutx	21.9	4130 - Aspen	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs. Aspen regeneration is expected, but mixed coniferous and deciduous trees are acceptable.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen regeneration is expected, but mixed coniferous and deciduous trees are acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Do not cut serviceberry and dogwood.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
63 41089063-Cut	1.5	6122 - Black Spruce	Poletimber Well	83	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to 2 inches except hemlock and oak. Retention will be located in east in creek buffer which will be 100 feet.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species. Evaluate regeneration success next inventory cycle. Stand is fairly dry and could possibly be trenched and planted if natural regeneration fails.</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> 10/1 /2020</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
96 41089096-Cut	6.3	4130 - Aspen	Poletimber Well	27	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs. Aspen regeneration is expected, but mixed coniferous and deciduous trees are acceptable. Buffer creek 100 feet.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen regeneration is expected, but mixed coniferous and deciduous trees are acceptable.</p> <p><u>Other Comment:</u> Do not cut serviceberry and dogwood. Treatment boundary was changed during inventory in fall 2019 to reflect recent beaver activity.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment Acreage Proposed: 261.5

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 89
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			2I	1B	2A	2F	2G	3J	3L	
793	724	0		69	Aspen		2	4	3		61	0
216	10	0		206	Cedar					11		194
43	0	0		43	Hemlock							43
46	25	0		21	Herbaceous Openland						21	1
59	54	0		5	Lowland Aspen/Balsam Poplar						5	
63	13	25		25	Lowland Conifers	25					0	24
12	0	0		12	Lowland Deciduous						12	
35	35	0		0	Lowland Mixed Forest						0	
221	0	0		221	Lowland Shrub						34	186
58	58	0		0	Lowland Spruce/Fir							0
105	105	0		0	Mixed Upland Deciduous							
87	87	0		0	Northern Hardwood							
24	24	0		0	Red Pine							
7	7	0		0	Upland Conifers							
6	6	0		0	Upland Spruce/Fir							
30	0	0		30	Water						28	2
1,805	1,148	25		631	Total Forested Acres	25	2	4	3	11	161	450
	64%	1%		35%	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)	118	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 89
Year of Entry: 2022

2	Unavailable	2A: Adjacent landowner denied access	4	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: Retain an intact canopy in upland coniferous (non-pine) stands near the lakeshore and lowland coniferous stands throughout the SCA in order to provide a functional travel corridor for migrating birds. These stands provide food in the form of insects and seeds, cover, concealment, and resting areas for migrating, neo-tropical birds.							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: Retain an intact canopy in upland coniferous (non-pine) stands near the lakeshore and lowland coniferous stands throughout the SCA in order to provide a functional travel corridor for migrating birds. These stands provide food in the form of insects and seeds, cover, concealment, and resting areas for migrating, neo-tropical birds.							
5	Unavailable	3L: Other wildlife concerns	406	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retain an intact canopy in upland coniferous (non-pine) stands near the lakeshore and lowland coniferous stands throughout the SCA in order to provide a functional travel corridor for migrating birds. These stands provide food in the form of insects and seeds, cover, concealment, and resting areas for migrating, neo-tropical birds.							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 89
Year of Entry: 2022

8	Unavailable	3L: Other wildlife concerns	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2I: Survey needed	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	1B: Non-DNR agency concerns (e.g. USFS)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	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	Habitat Area	Habitat Corridor	SCA	422



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
1	42210 - Natural Red Pine	Sawtimber Medium	8.2	87	51-80	N/A	[10/29/15 T1] Stand was cut as part of Rest Area South Sale # 41-040-11-01. TCR date 6/19/15.																																												
<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 Pine</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>95</td> <td>Log/Pole/XLog</td> <td>14</td> <td>87</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Pole/Log	9		Red Pine	95	Log/Pole/XLog	14	87	<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>Quaking Aspen</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	10 - 20 feet	Sapling	Balsam Fir	High	10 - 20 feet	Sapling	Black Spruce	Medium	5 - 10 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																															
White Pine	5	Pole/Log	9																																																
Red Pine	95	Log/Pole/XLog	14	87																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
Quaking Aspen	High	10 - 20 feet	Sapling																																																
Balsam Fir	High	10 - 20 feet	Sapling																																																
Black Spruce	Medium	5 - 10 feet	Sapling																																																
2	42350 - Upland Hemlock	Poletimber Well	6.0	66	81-110	N/A	Cooks Grade Birch Sale (2004) - Residual values - hemlock 32ft, white pine 6ft, cherry 2 ft.regen good. Residual hemlock from harvest is now canopy. regeneration is subcanopy. Good regeneration on higher ground with many species. Lower ground is mostly black spruce and regeneration is a little more sparse but should fill in.new hemlock stand created																																												
<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>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>80</td> <td>Pole/Log</td> <td>9</td> <td>66</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	10	Pole	7		White Pine	10	Pole/Log	9		Hemlock	80	Pole/Log	9	66	<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>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Poplar</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	Paper Birch	Low	5 - 10 feet	Sapling	Balsam Poplar	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	< 5 feet	Sapling	Black Spruce	Medium	< 5 feet	Sapling	Hemlock	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																															
Northern White Cedar	10	Pole	7																																																
White Pine	10	Pole/Log	9																																																
Hemlock	80	Pole/Log	9	66																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
Red Maple	Medium	5 - 10 feet	Sapling																																																
Paper Birch	Low	5 - 10 feet	Sapling																																																
Balsam Poplar	Low	5 - 10 feet	Sapling																																																
Balsam Fir	Medium	< 5 feet	Sapling																																																
Black Spruce	Medium	< 5 feet	Sapling																																																
Hemlock	Low	5 - 10 feet	Sapling																																																
3	4136 - Aspen, Mixed Conifer	Poletimber Well	34.8	43	81-110	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>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>76</td> <td>Pole</td> <td>8</td> <td>43</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Pole/Sapling	5		Paper Birch	2	Pole/Sapling	5		Bigtooth Aspen	76	Pole	8	43	Balsam Fir	10	Pole/Sapling	6		White Pine	5	Pole/Log	9		Red Pine	5	Log	14		<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>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	10 - 20 feet	Sapling	Balsam Fir	High	10 - 20 feet	Sapling	
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	2	Pole/Sapling	5																																																
Paper Birch	2	Pole/Sapling	5																																																
Bigtooth Aspen	76	Pole	8	43																																															
Balsam Fir	10	Pole/Sapling	6																																																
White Pine	5	Pole/Log	9																																																
Red Pine	5	Log	14																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Bigtooth Aspen	Low	10 - 20 feet	Sapling																																																
Balsam Fir	High	10 - 20 feet	Sapling																																																
4	42210 - Natural Red Pine	Sawtimber Poor	16.2	71	1-50	N/A	[10/29/2015 T1] Stand was cut as part of Rest Area South Sale #41-040-11-01. TCR Date 6/19/2015. Future stand will be Aspen with a red pine log component																																												
<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>75</td> <td>Log/Pole</td> <td>12</td> <td>71</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log/Pole	12	71	Red Oak	5	Log	12		White Pine	20	Log	12		<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>Quaking Aspen</td> <td>Full</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Full	5 - 10 feet	Sapling	Red Oak	Low	10 - 20 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Pine	75	Log/Pole	12	71																																															
Red Oak	5	Log	12																																																
White Pine	20	Log	12																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Quaking Aspen	Full	5 - 10 feet	Sapling																																																
Red Oak	Low	10 - 20 feet	Sapling																																																
Balsam Fir	Low	5 - 10 feet	Sapling																																																
Red Maple	Medium	5 - 10 feet	Sapling																																																
5	4130 - Aspen	Poletimber Well	2.9	42	81-110	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>Paper Birch</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole</td> <td>8</td> <td>42</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	10	Pole	6		Bigtooth Aspen	80	Pole	8	42	White Pine	10	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>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																															
Paper Birch	10	Pole	6																																																
Bigtooth Aspen	80	Pole	8	42																																															
White Pine	10	Pole/Log	9																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Balsam Fir	Medium	5 - 10 feet	Sapling																																																
6	6220 - Alder/willow	Nonstocked	186.6		Immature	No	flooded, a lot of dead cedar																																												
7	500 - Water	Nonstocked	1.6		Immature	No																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
8	6229 - Mixed lowland shrub	Nonstocked	2.8	0		No																																																				
9	4130 - Aspen	Sawtimber Well	3.8	61	81-110	N/A	Stand was offered as part of Rest Area South timber sale, however access could not be obtained through private and stand was turned back into state. Volume from stand was 67 cords aspen, 12 cords fir, 4 cords red 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>Quaking Aspen</td> <td>85</td> <td>Log/Pole</td> <td>14</td> <td>61</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	85	Log/Pole	14	61	Balsam Fir	10	Pole	7		Red Maple	5	Pole	8		<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>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	85	Log/Pole	14	61																																																						
Balsam Fir	10	Pole	7																																																							
Red Maple	5	Pole	8																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Balsam Fir	High	10 - 20 feet	Sapling																																																							
10	4130 - Aspen	Poletimber Well	6.9	50	81-110	N/A	Stand has BMP issues and will serve as retention of mature aspen component for adjacent stands.																																																			
<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>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>90</td> <td>Pole</td> <td>7</td> <td>50</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Pole	7		Bigtooth Aspen	90	Pole	7	50	Balsam Fir	5	Pole	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>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	5	Pole	7																																																							
Bigtooth Aspen	90	Pole	7	50																																																						
Balsam Fir	5	Pole	6																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Balsam Fir	High	10 - 20 feet	Sapling																																																							
11	6120 - Lowland Cedar	Poletimber Well	194.6	90	111-140	N/A	small strip cuts and patch cuts scattered throughout. harvests occurred in 1977, 1986, and 1984. Areas of stand dying due to the flooding to the West.																																																			
<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>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>70</td> <td>Pole/Log/Sap</td> <td>9</td> <td>90</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	10	Pole	8		Northern White Cedar	70	Pole/Log/Sap	9	90	Tamarack	10	Pole	5		Red Maple	5	Pole	8		Paper Birch	5	Pole	8		<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 Spruce</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	10 - 20 feet	Sapling	Northern White Cedar	Medium	10 - 20 feet	Sapling	Tamarack	Low	5 - 10 feet	Sapling	Alder	Low	5 - 10 feet	Tall Shrub					
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Black Spruce	10	Pole	8																																																							
Northern White Cedar	70	Pole/Log/Sap	9	90																																																						
Tamarack	10	Pole	5																																																							
Red Maple	5	Pole	8																																																							
Paper Birch	5	Pole	8																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Black Spruce	Low	10 - 20 feet	Sapling																																																							
Northern White Cedar	Medium	10 - 20 feet	Sapling																																																							
Tamarack	Low	5 - 10 feet	Sapling																																																							
Alder	Low	5 - 10 feet	Tall Shrub																																																							
12	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.3	70		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>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Log</td> <td>8</td> <td>70</td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog</td> <td>20</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Pole	8		Bigtooth Aspen	30	Pole/Log	8	70	Balsam Fir	20	Pole	7		Black Spruce	20	Pole	8		Northern White Cedar	20	Pole	6		White Pine	5	XLog	20		<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>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Black Spruce	Medium	10 - 20 feet	Sapling	Northern White Cedar	Medium	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	5	Pole	8																																																							
Bigtooth Aspen	30	Pole/Log	8	70																																																						
Balsam Fir	20	Pole	7																																																							
Black Spruce	20	Pole	8																																																							
Northern White Cedar	20	Pole	6																																																							
White Pine	5	XLog	20																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Balsam Fir	Medium	10 - 20 feet	Sapling																																																							
Black Spruce	Medium	10 - 20 feet	Sapling																																																							
Northern White Cedar	Medium	10 - 20 feet	Sapling																																																							
13	4130 - Aspen	Poletimber Well	12.3	61	111-140	N/A	A large portion of this stand serves as retention patch and river buffer.																																																			
<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>60</td> <td>Pole</td> <td>9</td> <td>61</td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Pole	9	61	Red Maple	30	Pole	9		Balsam Fir	10	Pole	8		<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>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	60	Pole	9	61																																																						
Red Maple	30	Pole	9																																																							
Balsam Fir	10	Pole	8																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Balsam Fir	Medium	5 - 10 feet	Sapling																																																							



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

14 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 11.9 70 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	35	Pole/Log	10	70	Red Maple	Medium	10 - 20 feet	Sapling
Balsam Poplar	20	Pole/Log	10		Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	15	Pole	8		Black Ash	Medium	10 - 20 feet	Sapling
White Spruce	10	Log/Pole	12		Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Pole/Log	9					
Black Ash	15	Pole	7					

15 6229 - Mixed lowland shrub Nonstocked 26.6 0 No

16 6122 - Black Spruce Sapling Well 21.1 7 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	60	Sapling	1	7
Tamarack	30	Sapling	1	
White Pine	10	Sapling	1	

17 6220 - Alder/willow Nonstocked 5.0 0 No

18 6130 - Fir, Aspen, Maple Poletimber Well 34.8 24 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch	10	Pole/Sapling	5					
Bigtooth Aspen	30	Pole/Sapling	5	24				
Balsam Fir	22	Pole/Sapling	5					
Black Spruce	15	Pole/Sapling	5					
Tamarack	10	Pole/Sapling	5					
White Pine	3	Pole/Sapling	5					

19 4130 - Aspen Poletimber Well 20.4 44 81-110 N/A GEMS treatment scheduled for 2032.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	9		Balsam Fir	High	10 - 20 feet	Sapling
Bigtooth Aspen	60	Pole	8	44				
Balsam Fir	10	Pole	8					
Paper Birch	10	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
20	6122 - Black Spruce	Poletimber Well	6.0	86	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Black Spruce		85	Pole	8	86				
Quaking Aspen		5	Pole	8					
Northern White Cedar		5	Pole	8					
Balsam Fir		5	Pole	8					
21	310 - Herbaceous Openland	Nonstocked	2.1		Unspecified	Managed Opening	Under W41-1639: *Various wildlife shrubs planted/caged around perimeter, 2017. *Farmed, planted clover/rye, 2017. *Mowed, 2018, 2019.		
22	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.1	80	51-80	N/A	Stand was cut as part of Furry Ridges Sale #41-007-12-01. TCR Date 10/8/2018.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		40	Log/Pole	12		Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple		60	Log/Pole	12	80	Red Maple	Medium	10 - 20 feet	Sapling
23	4130 - Aspen	Sapling Well	21.7	5	1-50	N/A	Stand was cut as part of Furry Ridges Sale #41-007-12-01. TCR Date 10/8/2018. GEMS treatment planned for 2052.		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		100	Sapling	1	5				
24	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.9	95	81-110	N/A	Cut with Furry Ridges Sale in 2015. Stand was more of a thinning than a selection harvest and not many regeneration gaps were created. Next time the stand is harvested make sure to create gaps.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		10	Log/Pole	11		Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple		80	Log/Pole	10	95	Red Maple	Low	5 - 10 feet	Sapling
Paper Birch		10	Log/Pole	10		Beech	Low	5 - 10 feet	Sapling
						Balsam Fir	Low	< 5 feet	Sapling
25	4130 - Aspen	Poletimber Well	23.5	35	51-80	N/A	GEMS treatment planned in 2037. creek in stand		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		85	Pole/Sapling	6	35	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir		10	Pole/Sapling	6					
White Pine		5	Pole	9					
26	310 - Herbaceous Openland	Nonstocked	4.3		Unspecified	Managed Opening	Under W41-1639: *Various wildlife shrubs planted/caged around perimeter of stand, 2017. *Farmed and planted with clover/rye, 2017. *Mowed 2018, 2019.		



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

27 4134 - Aspen, Spruce/Fir Poletimber Well 36.4 61 111-140 N/A Stand was part of furry ridges sale but was turned back in

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Pole	8	61	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	20	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	30	Pole	8					
Red Maple	10	Pole	8					

28 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 11.9 43 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	18	Pole/Sapling	6		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	22	Pole/Sapling	6	43	Paper Birch	Low	5 - 10 feet	Sapling
Bigtooth Aspen	20	Pole/Sapling	6		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole/Sapling	5		Black Spruce	Low	5 - 10 feet	Sapling
White Spruce	5	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
Black Spruce	10	Sapling/Pole	4					
White Pine	5	Pole/Sapling	5					
Jack Pine	5	Sapling/Pole	4					
Black Cherry	5	Pole/Sapling	5					

29 310 - Herbaceous Openland Nonstocked 1.2 Unspecified Managed Opening food plot

30 6122 - Black Spruce Poletimber Well 7.7 78 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Pole	9		Black Spruce	Medium	10 - 20 feet	Sapling
Black Spruce	65	Pole	8	78	Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	5	Log/Pole	12					
Paper Birch	5	Pole/Log	9					

31 310 - Herbaceous Openland Nonstocked 2.2 Unspecified No Under W41-1639: *Various wildlife shrubs planted/caged around perimeter, 2017.

32 4112 - Maple, Beech, Cherry Association Poletimber Well 6.2 86 81-110 N/A Harvested with Furry Ridges Sale in 2017

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Pole/Log	9	86	Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	15	Log/Pole	10	86	Red Maple	Medium	10 - 20 feet	Sapling
Paper Birch	5	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	5	Pole	9		Ironwood	Low	10 - 20 feet	Sapling
Basswood	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
33	4130 - Aspen	Poletimber Well	30.6	25	1-50	N/A	GEMS treatment planned in 2042.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		95	Pole/Sapling	6	25	Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir		5	Pole	7		Balsam Fir	Low	5 - 10 feet	Sapling
34	4130 - Aspen	Sapling Well	14.7	14	1-50	N/A	Last Shot Aspen (2005) .TSI in 2005. most of stand burned shortly after harvest (6/17/2011 AP) Stand was planted with 8 large oak trees and 2,700 small oak saplings in spring of 2011. GEMS treatment planned in 2047.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling	1		Red Oak	Low	< 5 feet	Seeding
Quaking Aspen		81	Sapling	1	14	Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir		5	Sapling	3					
Hemlock		4	Pole/Log	9					
35	310 - Herbaceous Openland	Nonstocked	7.0		Unspecified	Managed Opening	Under W41-1639: *Various wildlife shrubs planted/caged around perimeter, 2018.		
36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.4	95	81-110	N/A	Last Shot Aspen (2005) also cut as part of Intersection Aspen in 2014.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		90	Log/Pole	12	95	Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch		10	Log/Pole	10		Beech	Low	5 - 10 feet	Sapling
						Balsam Fir	Low	5 - 10 feet	Sapling
37	4136 - Aspen, Mixed Conifer	Sapling Well	13.0	8	1-50	N/A	Cut with sale Intersection Aspen. GEMS treatment planned in 2042.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		30	Sapling	1	8	Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine		10	Log/XLog	16					
Bigtooth Aspen		40	Sapling	1	8				
Red Maple		5	Sapling	1					
Balsam Fir		10	Sapling	1					
Northern White Cedar		5	Pole	8					
38	4130 - Aspen	Poletimber Well	20.9	27	51-80	N/A	GEMS treatment planned in 2027		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		70	Pole/Sapling	6	27	Balsam Fir	High	10 - 20 feet	Sapling
Paper Birch		5	Pole/Sapling	5					
Balsam Fir		15	Pole/Sapling	6					
Red Maple		10	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
39	4119 - Mixed Northern Hardwoods	Poletimber Poor	3.7	41	1-50	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>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Pole/Log</td> <td>9</td> <td>41</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>30</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Pole	7		Red Maple	40	Pole/Log	9	41	White Pine	10	Log	12		Bigtooth Aspen	10	Pole	8		Black Cherry	30	Pole	8		<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>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																												
Balsam Fir	10	Pole	7																																													
Red Maple	40	Pole/Log	9	41																																												
White Pine	10	Log	12																																													
Bigtooth Aspen	10	Pole	8																																													
Black Cherry	30	Pole	8																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	5 - 10 feet	Sapling																																													
White Pine	Low	5 - 10 feet	Sapling																																													
40	4130 - Aspen	Poletimber Well	16.7	30	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>Quaking Aspen</td> <td>90</td> <td>Pole/Sapling</td> <td>7</td> <td>30</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Pole/Sapling	7	30	Balsam Fir	5	Pole/Sapling	6		Red Maple	5	Pole/Sapling	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>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Red Maple	Medium	10 - 20 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	90	Pole/Sapling	7	30																																												
Balsam Fir	5	Pole/Sapling	6																																													
Red Maple	5	Pole/Sapling	7																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Medium	10 - 20 feet	Sapling																																													
Red Maple	Medium	10 - 20 feet	Sapling																																													
41	4130 - Aspen	Sapling Well	7.1	14	1-50	N/A	Last Shot Aspen (2005). TSI in 2005. GEMS treatment planned in 2047																																									
<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>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>88</td> <td>Sapling</td> <td>3</td> <td>14</td> </tr> <tr> <td>Serviceberry (Juneberry)</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Paper Birch	5	Sapling	1		Quaking Aspen	88	Sapling	3	14	Serviceberry (Juneberry)	2	Sapling	3		<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>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	5	Sapling	1																																													
Paper Birch	5	Sapling	1																																													
Quaking Aspen	88	Sapling	3	14																																												
Serviceberry (Juneberry)	2	Sapling	3																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	Low	5 - 10 feet	Sapling																																													
42	310 - Herbaceous Openland	Nonstocked	1.6			Managed Opening																																										
43	4130 - Aspen	Poletimber Well	3.3	33	81-110	N/A	GEMS treatment planned in 2032																																									
<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</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole</td> <td>8</td> <td>33</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole	7		Bigtooth Aspen	80	Pole	8	33	Balsam Fir	10	Pole	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>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	5 - 10 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	10	Pole	7																																													
Bigtooth Aspen	80	Pole	8	33																																												
Balsam Fir	10	Pole	6																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	High	5 - 10 feet	Sapling																																													
44	4110 - Sugar Maple Association	Sawtimber Well	14.0	95	81-110	N/A	Intersection Aspen 41-010-12-01, Intersection Aspen Sale. Unit 4 Residual BA = red maple 6', sugar maple 53', ironwood 6' and paper birch 1'. Total is 66'																																									
<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>90</td> <td>Log/Pole</td> <td>12</td> <td>95</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td>95</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	90	Log/Pole	12	95	Red Maple	10	Log/Pole	11	95	<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>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Beech	Low	5 - 10 feet	Sapling	Ironwood	Low	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																												
Sugar Maple	90	Log/Pole	12	95																																												
Red Maple	10	Log/Pole	11	95																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	Low	5 - 10 feet	Sapling																																													
Beech	Low	5 - 10 feet	Sapling																																													
Ironwood	Low	5 - 10 feet	Sapling																																													
45	6122 - Black Spruce	Sapling Well	4.8	6	1-50	N/A	Intersection Aspen 41-010-12-01, Intersection Aspen Sale. Unit 5																																									
<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>Black Spruce</td> <td>55</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Tamarack</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	55	Sapling	1	6	Tamarack	20	Sapling	1		White Pine	10	Sapling	1		Red Maple	15	Sapling	1																							
Canopy Species	% Cover	Size Class	DBH	Age																																												
Black Spruce	55	Sapling	1	6																																												
Tamarack	20	Sapling	1																																													
White Pine	10	Sapling	1																																													
Red Maple	15	Sapling	1																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	6120 - Lowland Cedar	Poletimber Medium	9.8	86	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		20	Pole/Sapling	5		Red Maple	
Northern White Cedar		50	Pole/Sapling	5	86	Balsam Fir	
White Pine		10	Log/XLog	14		Black Spruce	
Hemlock		20	Log/Pole	11	86	Tag Alder	
						Density	
						Avg. Height	
						Size	
47	4130 - Aspen	Poletimber Well	13.6	30	51-80	N/A	GEMS treatment planned in 2027
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		75	Pole/Sapling	7	30	Balsam Fir	
Red Maple		10	Pole/Sapling	7		White Pine	
Balsam Fir		10	Pole/Sapling	7			
White Pine		5	Log/Pole	10			
						Density	
						Avg. Height	
						Size	
48	4130 - Aspen	Sapling Well	19.6	8	1-50	N/A	Cut with sale Intersection Aspen. GEMS treatment planned in 2047
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		40	Sapling	1	8		
Quaking Aspen		40	Sapling	1			
Red Maple		10	Sapling	1			
Balsam Fir		5	Sapling	1			
Red Pine		5	Log/Pole	12			
						Density	
						Avg. Height	
						Size	
49	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	5.3	6	1-50	N/A	Intersection Aspen Sale. Unit 6 Residual BA = hemlock 15'. A buffer strip was left along south line to satisfy green-up requirement.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		20	Sapling	1			
Black Spruce		10	Sapling	1	6		
Tamarack		30	Sapling	1	6		
White Pine		30	Sapling/Pole	1			
Hemlock		5	Log/Pole	13			
Balsam Fir		5	Sapling	1			
						Density	
						Avg. Height	
						Size	
50	500 - Water	Nonstocked	11.0		Immature	No	



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

51 4112 - Maple, Beech, Cherry Association Poletimber Well 19.8 39 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Sapling	6	39	Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	5	Pole/Sapling	6		Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Pole/Sapling	6					
Balsam Fir	5	Pole/Sapling	6					
Black Cherry	5	Pole/Sapling	6					
Sugar Maple	40	Pole/Sapling	6	39				

52 6129 - Mixed Coniferous Lowland Forest Poletimber Well 25.5 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	9		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	3	Pole	9		Hemlock	Medium	10 - 20 feet	Sapling
Balsam Fir	5	Pole	7		White Pine	Medium	10 - 20 feet	Sapling
Black Spruce	22	Pole	8	86	Balsam Fir	Medium	10 - 20 feet	Sapling
Northern White Cedar	20	Pole	9		Quaking Aspen	Medium	10 - 20 feet	Sapling
White Pine	10	Log/XLog	14		Black Spruce	Medium	5 - 10 feet	Sapling
Hemlock	20	Log/Pole	11	86				
Tamarack	5	Pole	7					

53 6129 - Mixed Coniferous Lowland Forest Poletimber Well 1.2 70 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	6	Pole	6		Northern White Cedar	Low	10 - 20 feet	Sapling
Paper Birch	7	Pole	6		Hemlock	Medium	10 - 20 feet	Sapling
Black Spruce	25	Pole	7					
Northern White Cedar	32	Pole	6	70				
Hemlock	30	Pole	9					

54 310 - Herbaceous Openland Nonstocked 5.4 Managed Opening

55 6122 - Black Spruce Sapling Well 16.6 15 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Sapling	2		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	60	Sapling	2	15	Paper Birch	Low	5 - 10 feet	Sapling
Tamarack	20	Sapling	2		Balsam Poplar	Low	5 - 10 feet	Sapling
					Balsam Fir	Medium	< 5 feet	Sapling
					Black Spruce	Medium	< 5 feet	Sapling
					Hemlock	Low	5 - 10 feet	Sapling

Cooks Grade Birch Sale (2004) - Residual values - hemlock 32ft, white pine 6ft, cherry 2 ft.regen good. Residual hemlock from harvest is now canopy. regeneration is subcanopy. Good regeneration on higher ground with many species. Lower ground is mostly black spruce and regeneration is a little more sparse but should fill in.

Dense hemlock area was split and new stand created



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	6112 - Lowland Aspen	Sapling Well	16.9	27	1-50	N/A	GEMS treatment planned in 2052. A large percentage of this stand is flooded.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Sapling	4		Balsam Fir	
Paper Birch		10	Sapling	4		Alder	
Bigtooth Aspen		50	Sapling	4	27	High	
Balsam Fir		10	Sapling	4		5 - 10 feet	
						Tall Shrub	
57	6112 - Lowland Aspen	Poletimber Well	12.0	30	51-80	N/A	Gems treatment planned 2042
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		70	Pole	7	30	Balsam Fir	
Balsam Fir		10	Pole	7		Alder	
Red Maple		10	Pole	8		Red Maple	
Paper Birch		10	Pole	8		Medium	
						10 - 20 feet	
						Sapling	
58	42350 - Upland Hemlock	Sawtimber Well	16.4	105	201+	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	8		Hemlock	
Paper Birch		5	Pole	7		Low	
Hemlock		90	Log/Pole/XLog	14	105	< 5 feet	
						Sapling	
59	4134 - Aspen, Spruce/Fir	Poletimber Well	14.7	30	1-50	N/A	GEMS treatment planned in 2037
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		75	Pole/Sapling	5	30	Balsam Fir	
Balsam Fir		20	Pole/Sapling	6		High	
Red Maple		5	Pole/Sapling	6		10 - 20 feet	
						Sapling	
60	6124 - Lowland Spruce-Fir	Sapling Well	7.6	30	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		15	Sapling/Pole	4		Alder	
Black Spruce		40	Sapling/Pole	4	30	Balsam Fir	
Quaking Aspen		10	Sapling/Pole	4		Medium	
Tamarack		15	Sapling/Pole	4		5 - 10 feet	
Red Maple		15	Sapling/Pole	4		Tall Shrub	
Northern White Cedar		5	Pole	8		Sapling	
61	42350 - Upland Hemlock	Sawtimber Well	20.5	81	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Hemlock		60	Log	12	81	Balsam Fir	
Northern White Cedar		10	Pole	9		Medium	
Paper Birch		10	Log/Pole	12		10 - 20 feet	
Red Maple		20	Log/Pole	12		Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	4130 - Aspen	Poletimber Well	4.9	39	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sapling	6	39	Red Maple	
Bigtooth Aspen		80	Pole/Sapling	6	39	Balsam Fir	
Sugar Maple		10	Pole/Sapling	6	39	Density	
						Avg. Height	
						Size	
63	6122 - Black Spruce	Poletimber Well	1.5	83	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Log	9		Balsam Fir	
Paper Birch		5	Pole/Log	9		Black Spruce	
White Spruce		5	Pole/Log	9		Density	
Black Spruce		75	Pole/Log	9	83	Avg. Height	
Tamarack		5	Pole/Log	9		Size	
Quaking Aspen		5	Pole/Log	9			
64	4130 - Aspen	Poletimber Well	22.8	50	81-110	N/A	GEMS treatment planned in 2022.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	7		Balsam Fir	
Bigtooth Aspen		90	Pole	7	50	Density	
Balsam Fir		5	Pole	6		Avg. Height	
						Size	
65	429 - Mixed Upland Conifers	Sapling Poor	7.3	4	1-50	N/A	Cut with Furry Ridges Sale in 2015. Stand is being removed from the gems treatment rotation. It is not an Aspen stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Fir		50	Sapling	1	4		
White Pine		20	Sapling	1			
Jack Pine		10	Sapling	1			
Red Maple		20	Sapling	1			
66	4130 - Aspen	Sapling Well	17.1	2	Immature	N/A	GEMS treatment scheduled for 2057. Harvested with 2017 GEMS sale in winter 2019.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		95	Sapling	1	2		
Balsam Fir		5	Sapling	1			
67	4134 - Aspen, Spruce/Fir	Sawtimber Well	1.9	50	111-140	N/A	Retention patch and BMP issues
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Log/Pole	10		Balsam Fir	
Bigtooth Aspen		50	Log/Pole	12	50	Density	
Balsam Fir		20	Pole	8		Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
68	4130 - Aspen	Sapling Well	10.7	2	1-50	N/A	GEMS treatment planned for 2057. Harvested in winter 2018 with GEMS 2017 sale.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Sapling	1	2	Balsam Fir	High	< 5 feet	Sapling
Quaking Aspen		95	Sapling	1	2				
69	4139 - Aspen, Mixed Deciduous	Poletimber Well	19.8	46	81-110	N/A	GEMS treatment planned in 2027		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		25	Pole	9		Balsam Fir	High	10 - 20 feet	Sapling
Bigtooth Aspen		55	Pole	9	46				
Balsam Fir		10	Pole	6					
Paper Birch		5	Pole	8					
White Spruce		5	Log	12					
70	4130 - Aspen	Sapling Well	17.1	14	1-50	N/A	Last Shot Aspen (2005) .TSI in 2005. most of stand burned shortly after harvest (6/17/2011 AP) Stand was planted with 8 large oak trees and 2,700 small oak saplings in spring of 2011. GEMS treatment planned in 2047.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling	1		Red Oak	Low	< 5 feet	Seeding
Quaking Aspen		80	Sapling	1	14	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir		5	Sapling	3					
Hemlock		5	Pole/Log	9					
71	4130 - Aspen	Poletimber Well	12.0	61	111-140	N/A	Serves as retention patch and is mostly a creek buffer.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		60	Pole	9	61	Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple		30	Pole	9					
Balsam Fir		10	Pole	8					
72	42340 - Upland Spruce/Fir	Sapling Well	5.5	30	51-80	N/A	GEMS treatment originally planned in 2017. removed from gems treatment rotation since it is not aspen		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		30	Sapling/Pole	4		Balsam Fir	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		20	Sapling/Pole	4		Black Spruce	Medium	5 - 10 feet	Sapling
Black Spruce		40	Sapling/Pole	4	30				
Red Maple		10	Sapling/Pole	4					
73	4130 - Aspen	Poletimber Well	13.8	35	51-80	N/A	GEMS treatment planned in 2052.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		85	Pole/Sapling	6	35	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir		10	Pole/Sapling	6					
White Pine		5	Pole	6					
74	310 - Herbaceous Openland	Nonstocked	21.3	0		No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
75	4130 - Aspen	Sapling Well	23.1	14	1-50	N/A	Last Shot Aspen (2005) .TSI in 2005. most of stand burned shortly after harvest (6/17/2011 AP) Stand was planted with 8 large oak trees and 2,700 small oak saplings in spring of 2011. GEMS treatment planned in 2042																																	
<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>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>81</td> <td>Sapling</td> <td>1</td> <td>14</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>4</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	1		Quaking Aspen	81	Sapling	1	14	Balsam Fir	5	Sapling	3		Hemlock	4	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>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	< 5 feet	Seeding	Balsam Fir	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	10	Sapling	1																																					
Quaking Aspen	81	Sapling	1	14																																				
Balsam Fir	5	Sapling	3																																					
Hemlock	4	Pole/Log	9																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Red Oak	Low	< 5 feet	Seeding																																					
Balsam Fir	Medium	10 - 20 feet	Sapling																																					
76	4130 - Aspen	Sapling Well	14.7	8	1-50	N/A	Cut with sale Intersection Aspen GEMS treatment planned in 2052																																	
<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>35</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	35	Sapling	1		Bigtooth Aspen	50	Sapling	1	8	Balsam Fir	10	Sapling	1		Red Maple	5	Sapling	1		<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>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	< 5 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																				
Quaking Aspen	35	Sapling	1																																					
Bigtooth Aspen	50	Sapling	1	8																																				
Balsam Fir	10	Sapling	1																																					
Red Maple	5	Sapling	1																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Medium	< 5 feet	Sapling																																					
77	4130 - Aspen	Sapling Well	23.4	14	1-50	N/A	Last Shot Aspen (2005) .TSI in 2005. most of stand burned shortly after harvest (6/17/2011 AP) Stand was planted with 8 large oak trees and 2,700 small oak saplings in spring of 2011. GEMS treatment planned in 2037																																	
<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>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>81</td> <td>Sapling</td> <td>1</td> <td>14</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>4</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	1		Quaking Aspen	81	Sapling	1	14	Balsam Fir	5	Sapling	3		Hemlock	4	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>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	< 5 feet	Seeding	Balsam Fir	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	10	Sapling	1																																					
Quaking Aspen	81	Sapling	1	14																																				
Balsam Fir	5	Sapling	3																																					
Hemlock	4	Pole/Log	9																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Red Oak	Low	< 5 feet	Seeding																																					
Balsam Fir	Medium	10 - 20 feet	Sapling																																					
78	4130 - Aspen	Sapling Well	9.2	14	1-50	N/A	Last Shot Aspen (2005) .TSI in 2005. most of stand burned shortly after harvest (6/17/2011 AP) Stand was planted with 8 large oak trees and 2,700 small oak saplings in spring of 2011. GEMS treatment planned in 2052																																	
<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>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>81</td> <td>Sapling</td> <td>1</td> <td>14</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>4</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	1		Quaking Aspen	81	Sapling	1	14	Balsam Fir	5	Sapling	3		Hemlock	4	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>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	< 5 feet	Seeding	Balsam Fir	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	10	Sapling	1																																					
Quaking Aspen	81	Sapling	1	14																																				
Balsam Fir	5	Sapling	3																																					
Hemlock	4	Pole/Log	9																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Red Oak	Low	< 5 feet	Seeding																																					
Balsam Fir	Medium	10 - 20 feet	Sapling																																					
79	4130 - Aspen	Sapling Well	15.3	8	1-50	N/A	Cut with Intersection Aspen in 2012. GEMS treatment planned in 2052.																																	
<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>85</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	85	Sapling	1	8	Red Maple	15	Sapling	1		<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>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																				
Quaking Aspen	85	Sapling	1	8																																				
Red Maple	15	Sapling	1																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Medium	5 - 10 feet	Sapling																																					
80	4130 - Aspen	Poletimber Well	12.5	30	81-110	N/A	GEMS treatment planned in 2027																																	
<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>70</td> <td>Pole</td> <td>8</td> <td>30</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Pole	8	30	Balsam Fir	5	Pole	8		Red Maple	15	Pole/Sapling	8		Paper Birch	10	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>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Quaking Aspen	70	Pole	8	30																																				
Balsam Fir	5	Pole	8																																					
Red Maple	15	Pole/Sapling	8																																					
Paper Birch	10	Pole/Sapling	6																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Balsam Fir	Medium	10 - 20 feet	Sapling																																					
Red Maple	Medium	5 - 10 feet	Sapling																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
81	4130 - Aspen	Sapling Well	20.6	2	1-50	N/A	cut with gems 2017 sale
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		100	Sapling	1	2		
82	4130 - Aspen	Sapling Well	11.6	8	1-50	N/A	Cut with sale Intersection Aspen GEMS treatment planned in 2047
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		100	Sapling	1	8		
83	4112 - Maple, Beech, Cherry Association	Poletimber Medium	2.8	41	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Cherry		70	Pole	8	41		
Bigtooth Aspen		15	Pole	8			
Red Maple		15	Pole	8			
Sub-Canopy Species		Density	Avg. Height	Size			
Quaking Aspen		Medium	5 - 10 feet	Sapling			
84	6112 - Lowland Aspen	Sapling Well	1.6	3	1-50	N/A	gem treatment planned 2057
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		90	Sapling	1	3		
Balsam Fir		10	Sapling	1			
Sub-Canopy Species		Density	Avg. Height	Size			
Alder		Medium	5 - 10 feet	Tall Shrub			
85	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	82.4	15	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		20	Sapling	3	15		
Paper Birch		10	Sapling	3			
Bigtooth Aspen		10	Sapling	3			
Balsam Fir		15	Sapling	3			
White Pine		15	Sapling	3			
Black Cherry		20	Sapling	3	15		
Hemlock		10	Log/Pole	12			
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	5 - 10 feet	Sapling			
86	4130 - Aspen	Poletimber Well	20.2	25	51-80	N/A	GEMS treatment planned in 2042
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Fir		10	Sapling/Pole	4			
Bigtooth Aspen		90	Sapling/Pole	4	25		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	10 - 20 feet	Sapling			
87	310 - Herbaceous Openland	Nonstocked	1.4	0		Managed Opening	



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

88	4130 - Aspen	Poletimber Well	26.9	61	111-140	N/A	Stand serves as retention for adjacent stands and is a river buffer.
-----------	--------------	-----------------	------	----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	80	Pole	8	61	Balsam Fir	Medium	10 - 20 feet	Sapling
Paper Birch	10	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole/Log	9					

89	4130 - Aspen	Poletimber Well	17.2	30	51-80	N/A	GEMS treatment planned in 2032
-----------	--------------	-----------------	------	----	-------	-----	--------------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole	7	30	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Paper Birch	5	Pole	7					
Balsam Fir	10	Pole	7					

90	4130 - Aspen	Poletimber Well	15.3	30	81-110	N/A	GEMS treatment planned in 2047
-----------	--------------	-----------------	------	----	--------	-----	--------------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	85	Pole	8	30	Balsam Fir	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	5	Pole	7					

91	4130 - Aspen	Sapling Well	16.7	8	1-50	N/A	Cut with sale Intersection Aspen GEMS treatment planned in 2042
-----------	--------------	--------------	------	---	------	-----	--

92	4130 - Aspen	Sapling Well	29.8	25	1-50	N/A	GEMS treatment planned for 2047
-----------	--------------	--------------	------	----	------	-----	---------------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Sapling	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch	2	Sapling	2					
Bigtooth Aspen	82	Sapling	4	25				
Balsam Fir	10	Sapling	4					
White Pine	4	Sapling/Pole	4					

93	4130 - Aspen	Poletimber Well	9.9	30	51-80	N/A	GEMS treatment planned in 2042
-----------	--------------	-----------------	-----	----	-------	-----	--------------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	90	Pole/Sapling	5	30	Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	10	Pole/Sapling	6		Red Maple	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
94	4199 - Other Mixed Upland Deciduous	Poletimber Well	11.2	39	51-80	N/A	Mixed stand. Drainage located in the middle. About 3 acres of this stand is an aspen clone. Just wait till the entire stand mature to harvest.																																																
<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>30</td><td>Pole/Sapling</td><td>6</td><td>39</td></tr> <tr><td>Paper Birch</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>30</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Black Cherry</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>White Pine</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Sugar Maple</td><td>15</td><td>Pole/Sapling</td><td>6</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Pole/Sapling	6	39	Paper Birch	5	Pole/Sapling	6		Bigtooth Aspen	30	Pole/Sapling	6		Balsam Fir	5	Pole/Sapling	6		Black Cherry	5	Pole/Sapling	6		White Pine	10	Pole/Sapling	6		Sugar Maple	15	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>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	30	Pole/Sapling	6	39																																																			
Paper Birch	5	Pole/Sapling	6																																																				
Bigtooth Aspen	30	Pole/Sapling	6																																																				
Balsam Fir	5	Pole/Sapling	6																																																				
Black Cherry	5	Pole/Sapling	6																																																				
White Pine	10	Pole/Sapling	6																																																				
Sugar Maple	15	Pole/Sapling	6																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Medium	5 - 10 feet	Sapling																																																				
Balsam Fir	Low	5 - 10 feet	Sapling																																																				
95	6112 - Lowland Aspen	Poletimber Well	5.3	30	51-80	N/A	Wet depression and drainage. Removed from GEMS treatment plan and will serve as retention for surrounding area.																																																
<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>70</td><td>Pole</td><td>7</td><td>30</td></tr> <tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Red Maple</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Paper Birch</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Pole	7	30	Balsam Fir	10	Pole	7		Red Maple	10	Pole	8		Paper Birch	10	Pole	8		<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>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Alder</td><td>Medium</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Alder	Medium	5 - 10 feet	Tall Shrub	Red Maple	Medium	10 - 20 feet	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	70	Pole	7	30																																																			
Balsam Fir	10	Pole	7																																																				
Red Maple	10	Pole	8																																																				
Paper Birch	10	Pole	8																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	10 - 20 feet	Sapling																																																				
Alder	Medium	5 - 10 feet	Tall Shrub																																																				
Red Maple	Medium	10 - 20 feet	Sapling																																																				
96	4130 - Aspen	Poletimber Well	7.9	27	51-80	N/A	Boundary will change due to recent beaver activity. GEMS treatment planned in 2022																																																
<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>Bigtooth Aspen</td><td>80</td><td>Pole/Sapling</td><td>6</td><td>27</td></tr> <tr><td>Paper Birch</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Red Maple</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole/Sapling	6	27	Paper Birch	10	Pole/Sapling	6		Red Maple	10	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>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	80	Pole/Sapling	6	27																																																			
Paper Birch	10	Pole/Sapling	6																																																				
Red Maple	10	Pole/Sapling	6																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Low	5 - 10 feet	Sapling																																																				
97	4130 - Aspen	Poletimber Well	18.7	41	81-110	N/A	GEMS treatment planned in 2032																																																
<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>80</td><td>Pole</td><td>8</td><td>41</td></tr> <tr><td>Black Cherry</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Pole	8	41	Black Cherry	10	Pole	8		Balsam Fir	10	Pole	8		<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>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	80	Pole	8	41																																																			
Black Cherry	10	Pole	8																																																				
Balsam Fir	10	Pole	8																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	5 - 10 feet	Sapling																																																				
98	4130 - Aspen	Poletimber Well	11.7	27	Immature	N/A	GEMS treatment planned in 2042																																																
<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>90</td><td>Pole/Sapling</td><td>6</td><td>27</td></tr> <tr><td>Balsam Fir</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Pole/Sapling	6	27	Balsam Fir	10	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>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling																													
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	90	Pole/Sapling	6	27																																																			
Balsam Fir	10	Pole/Sapling	6																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	10 - 20 feet	Sapling																																																				
99	4130 - Aspen	Poletimber Well	15.3	41	81-110	N/A	GEMS treatment planned in 2027																																																
<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>Bigtooth Aspen</td><td>80</td><td>Pole</td><td>9</td><td>41</td></tr> <tr><td>Black Cherry</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole	9	41	Black Cherry	10	Pole	8		Balsam Fir	10	Pole	8		<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>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	80	Pole	9	41																																																			
Black Cherry	10	Pole	8																																																				
Balsam Fir	10	Pole	8																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	10 - 20 feet	Sapling																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
100	4130 - Aspen	Poletimber Well	7.7	44	81-110	N/A	GEMS treatment planned in 2027																																						
<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>Bigtooth Aspen</td> <td>80</td> <td>Pole</td> <td>8</td> <td>44</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole	8	44	Red Maple	10	Pole	8		Balsam Fir	10	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>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																									
Bigtooth Aspen	80	Pole	8	44																																									
Red Maple	10	Pole	8																																										
Balsam Fir	10	Pole	7																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Balsam Fir	Medium	10 - 20 feet	Sapling																																										
101	6112 - Lowland Aspen	Poletimber Well	23.4	27	1-50	N/A	GEMS treatment planned in 2037																																						
<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>Black Cherry</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole</td> <td>7</td> <td>27</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	10	Pole/Sapling	5		Quaking Aspen	70	Pole	7	27	Red Maple	10	Pole/Sapling	5		Balsam Fir	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>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																									
Black Cherry	10	Pole/Sapling	5																																										
Quaking Aspen	70	Pole	7	27																																									
Red Maple	10	Pole/Sapling	5																																										
Balsam Fir	10	Pole/Sapling	5																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Balsam Fir	Medium	10 - 20 feet	Sapling																																										
102	4130 - Aspen	Poletimber Well	19.0	27	81-110	N/A	GEMS treatment planned in 2047																																						
<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>Bigtooth Aspen</td> <td>70</td> <td>Pole</td> <td>7</td> <td>27</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	70	Pole	7	27	Red Maple	10	Pole	5		Paper Birch	10	Pole/Sapling	6		Balsam Fir	10	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>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	10 - 20 feet	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																									
Bigtooth Aspen	70	Pole	7	27																																									
Red Maple	10	Pole	5																																										
Paper Birch	10	Pole/Sapling	6																																										
Balsam Fir	10	Pole/Sapling	6																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Red Maple	Medium	10 - 20 feet	Sapling																																										
Balsam Fir	Medium	10 - 20 feet	Sapling																																										
103	500 - Water	Nonstocked	17.0	0		No	Beaver Flooding that was created in last 10 years.																																						
104	6120 - Lowland Cedar	Poletimber Medium	11.4	81	1-50	N/A	Flooded stand, very wet																																						
<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 Pine</td> <td>5</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>70</td> <td>Pole</td> <td>8</td> <td>81</td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Pole	9		Northern White Cedar	70	Pole	8	81	Black Spruce	25	Pole	8		<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>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub														
Canopy Species	% Cover	Size Class	DBH	Age																																									
White Pine	5	Pole	9																																										
Northern White Cedar	70	Pole	8	81																																									
Black Spruce	25	Pole	8																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																										
105	4130 - Aspen	Poletimber Well	9.9	25	51-80	N/A	GEMS treatment planned in 2037																																						
<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/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Pole/Sapling</td> <td>6</td> <td>25</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Sapling	6		Bigtooth Aspen	70	Pole/Sapling	6	25	Balsam Fir	10	Pole/Sapling	6		Black Cherry	5	Pole/Sapling	6		Paper Birch	5	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>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																									
Red Maple	10	Pole/Sapling	6																																										
Bigtooth Aspen	70	Pole/Sapling	6	25																																									
Balsam Fir	10	Pole/Sapling	6																																										
Black Cherry	5	Pole/Sapling	6																																										
Paper Birch	5	Pole/Sapling	6																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Red Maple	Low	5 - 10 feet	Sapling																																										
Balsam Fir	Low	5 - 10 feet	Sapling																																										