



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42064

Entry Year 2024

Acreage: 1,768

County Chippewa

Management Area: Whitefish Vermillion Point

Stand Examiner: Lester Livermore

Legal Description:

T48N R6W, Sec. 6; T48N R7W, Sec. 1; T49N R7W, Sec. 23-26, 35 & 36

Identified Planning Goals:

Maintain forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

Soil and topography:

The compartment ranges from boggy areas that consist primarily of Kinross-Dawson complex and Dawson and Loxley peats; to low transitional/low rolling land consisting of Kinross-Wainola complex, Kinross-Au Gres complex, Wainola-Kinross-Rousseau complex and Markey-Kinross-Au Gres complex; to rolling upland ridges/steep ridges of Deer Park-Kinross Complex, Crosswell-Au Gres sands, Deer Park fine sand and Rousseau fine sand.

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

The compartment ownership is broken by private lands, both moderate acreage (40 – 120 acres) and smaller. The compartment's west boundary is shared by Tahquamenon Falls State Park divided by M-123. State Lands adjoin to the east. There are year-round homes, seasonal cabins, hunting cabins and a horse riding stables adjacent.

Unique Natural Features:

A muskeg community is identified in the northern portion of the compartment

Archeological, Historical, and Cultural Features:

None noted.

Special Management Designations or Considerations:

M-123 is a designated Scenic Heritage Route.

Watershed and Fisheries Considerations:

Cheney Creek in this compartment is a warm transitional stream, however it is also identified as a designated trout stream. Any treatments prescribed should maintain a 100-foot riparian management zone along the creek, plus an additional 5 feet per 1% increase in slope. Any proposed clear-cut treatments in stands where aspen is a major component should adhere to a 300-foot RMZ along the stream.

Wildlife Habitat Considerations:

Compartment 64 is situated in north western Chippewa county and is in the Seney Sand Lake Plain ecological sub-subsection and in the Whitefish Point Management Area with moose, spruce grouse, red crossbill, and piping plover as designated featured species. There is quite a bit of wildlife purchased land within the compartment. The compartment is characterized by lowland areas with fingers of jack pine and mixed conifer in the northern half and more of a deciduous component, spruce and mixed conifer in the southern half.

Wildlife objectives will be met by maintaining maximum species diversity in harvested stands, buffering low, wet areas and creeks, and scattering retention. A large diameter white pine component will be preserved to maintain vertical structure for future nest trees and escape trees for bear. A birch component and large diameter aspen will be retained in many harvests to provide current and future snags and den trees. In addition to featured species, wildlife species likely to use this compartment include white tailed deer, black bear, fisher, marten, and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. No known active sand/gravel pits exist in the area. There may be some potential for sand & gravel within the compartment, but much of the compartment is wetlands, which would inhibit surface mining. No current State mineral leasing activity exists in the area.

Vehicle Access:

M-123 runs along the western edge of this compartment, with Preacher Lakes Road on the northern edge. Interior access is limited to Lost Lake Road (mostly through private), some access points off of Timber Lost Road, as well as an access road off M-123. Other access to the edge of the compartment could be gained through adjacent private lands including Taqua Trail.

Survey Needs:

Survey needs in sections 1 and 6.

Recreational Facilities and Opportunities:

Snowmobile Trail #45 cuts through the northern portion of the compartment. Other recreational opportunities may include wildlife viewing, hunting, fishing and hiking.

Fire Protection:

This compartment is part of the Whitefish Zone Dispatch Area. Large fire potential exists, but may rarely occur because of the mixed lowland communities, scattered pine ridges and mixed hardwood types. Adjacent compartments may be of concern for large fires. Response times are long due to its distance from available resources in Newberry.

Additional Compartment Information:

The following reports from the Inventory are attached:

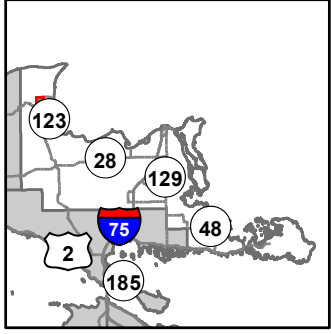
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

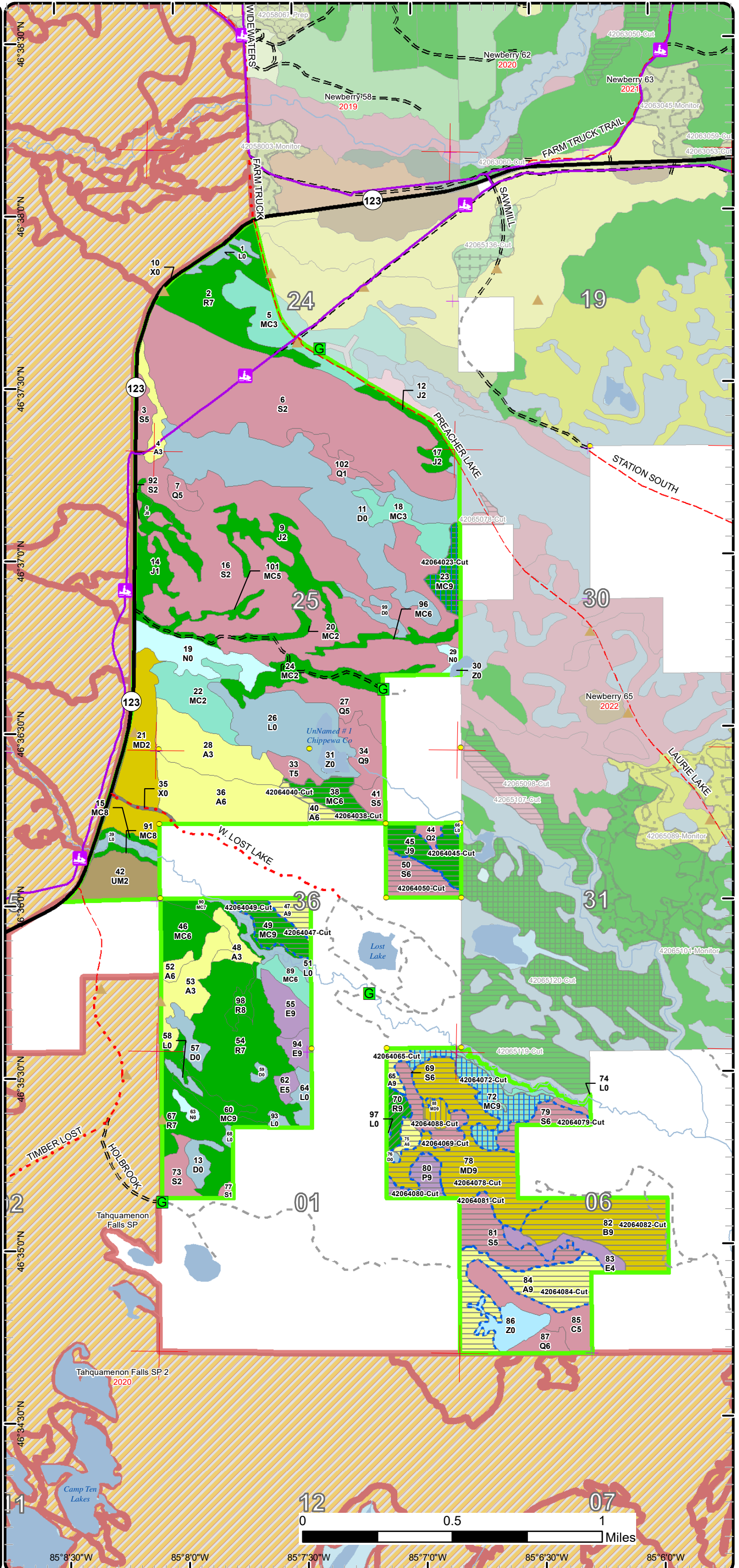
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023

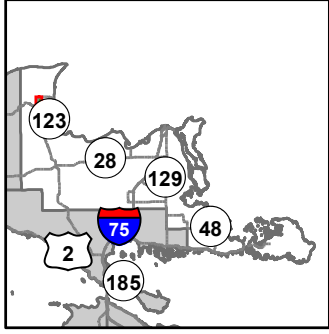


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- Sign
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

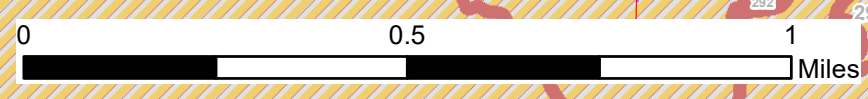
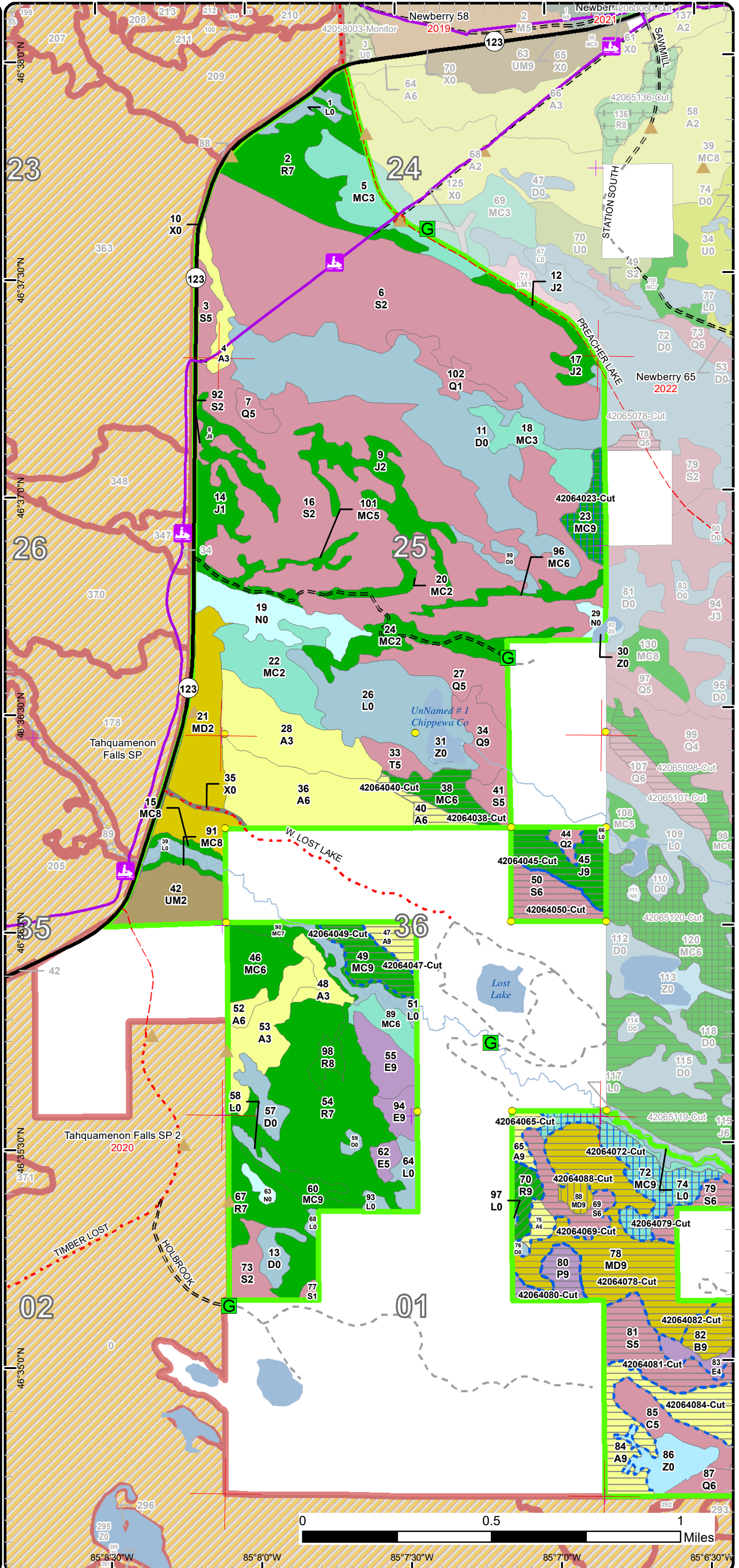


Cover Type & Treatments Map

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023



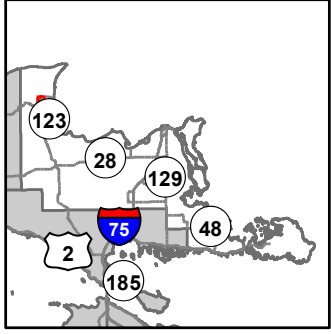
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- G Gate
- STOP Sign
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



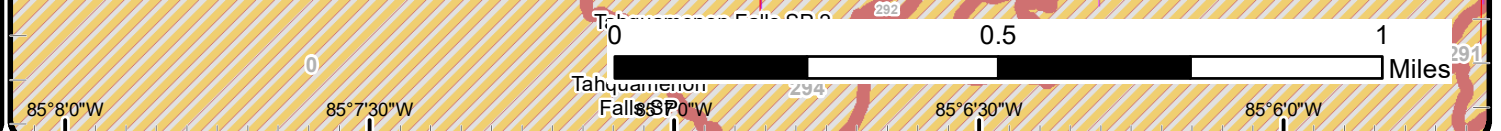
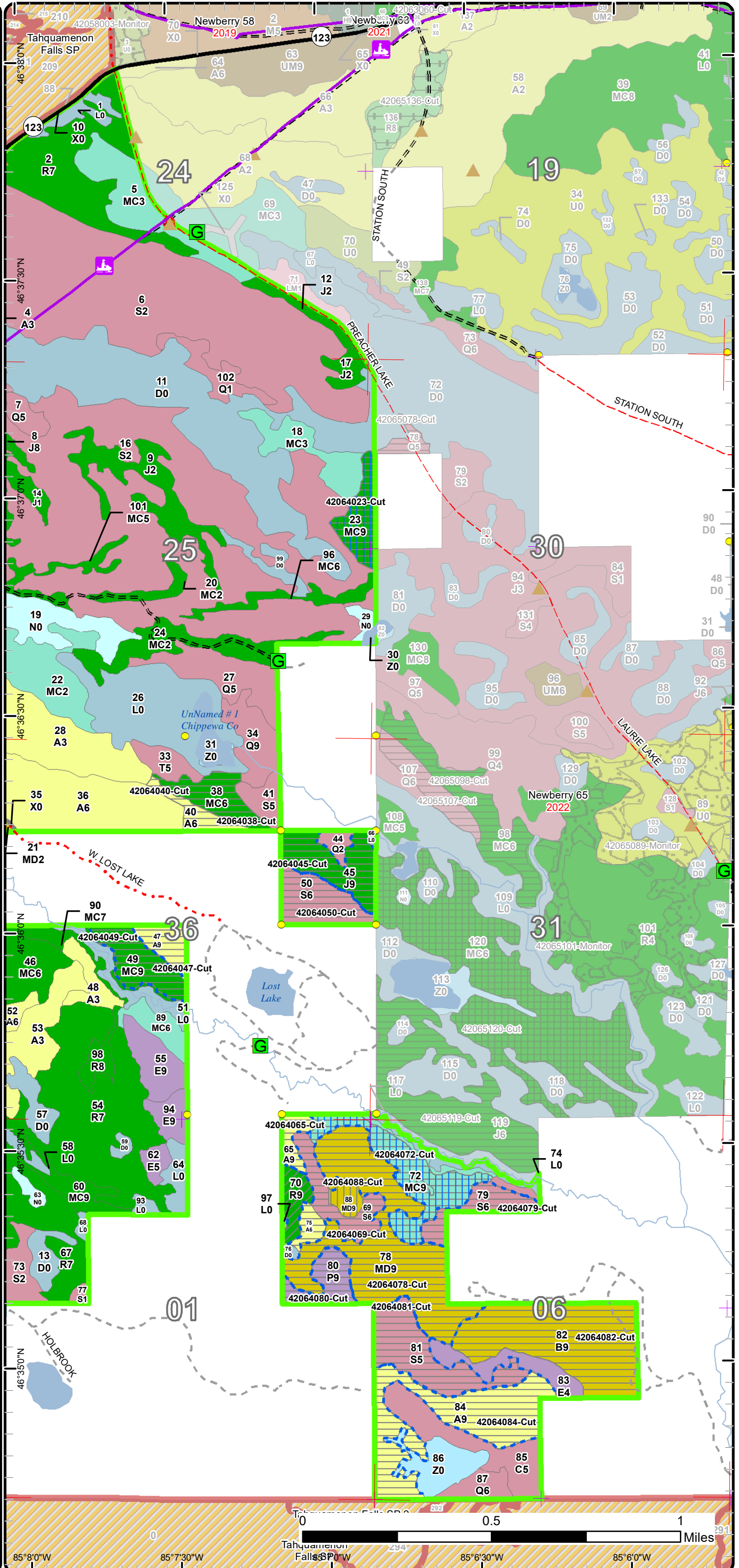
85°8'30"W 85°8'0"W 85°7'30"W 85°7'0"W 85°6'30"W

Cover Type & Treatments Map

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOY: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023

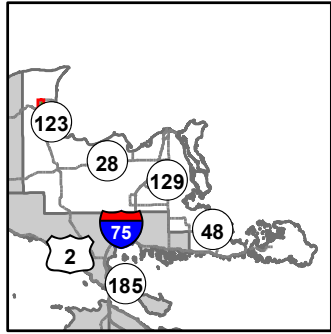


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- Gate
- Sign
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

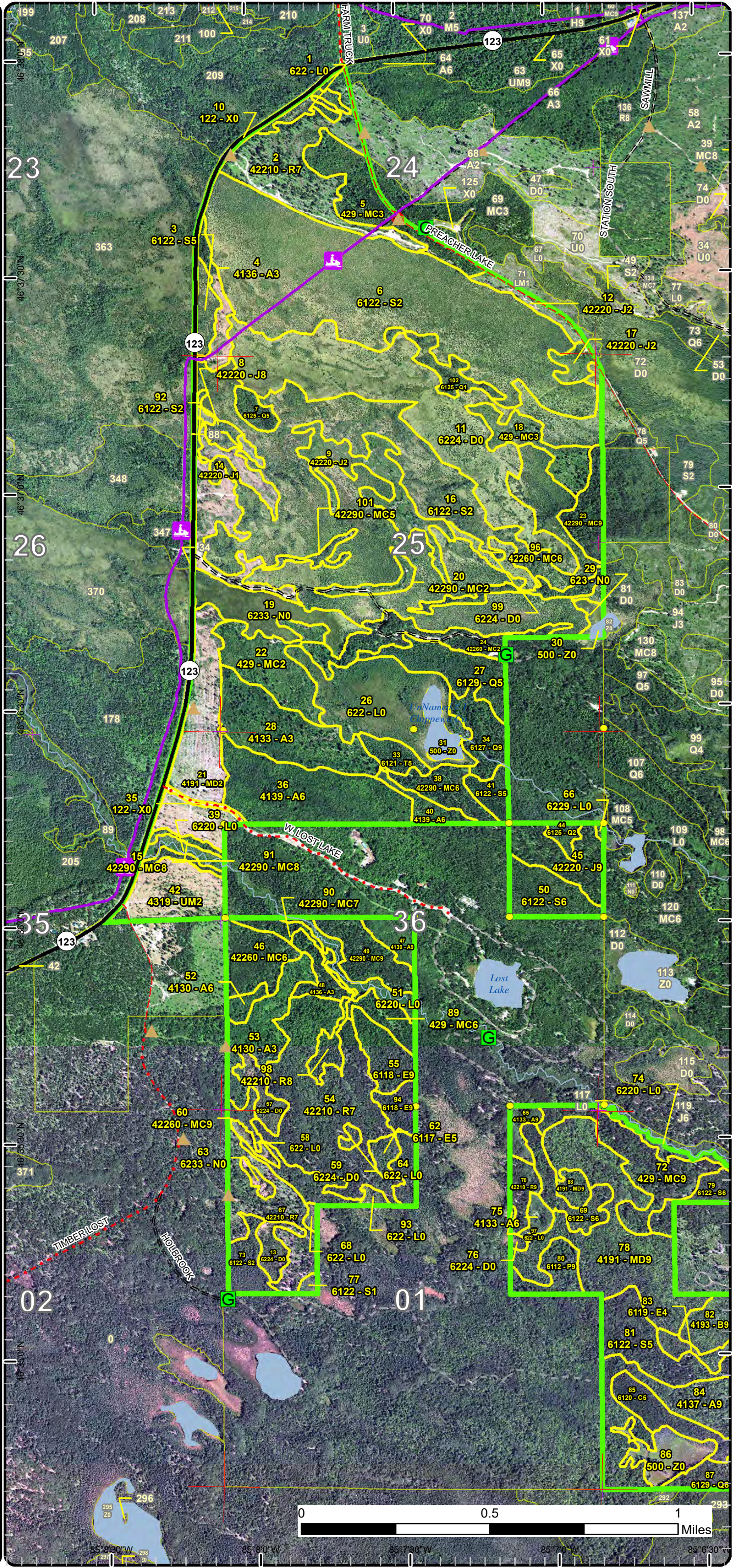


Stand Boundary Map

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023

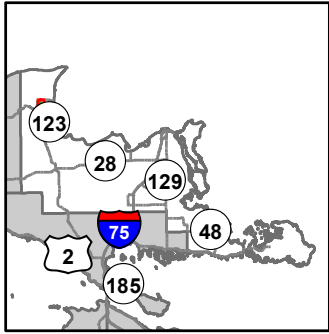


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- STOP Sign
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

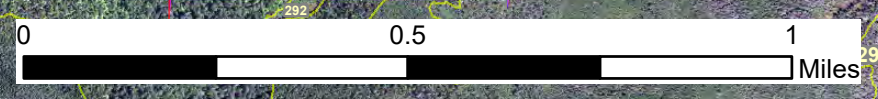
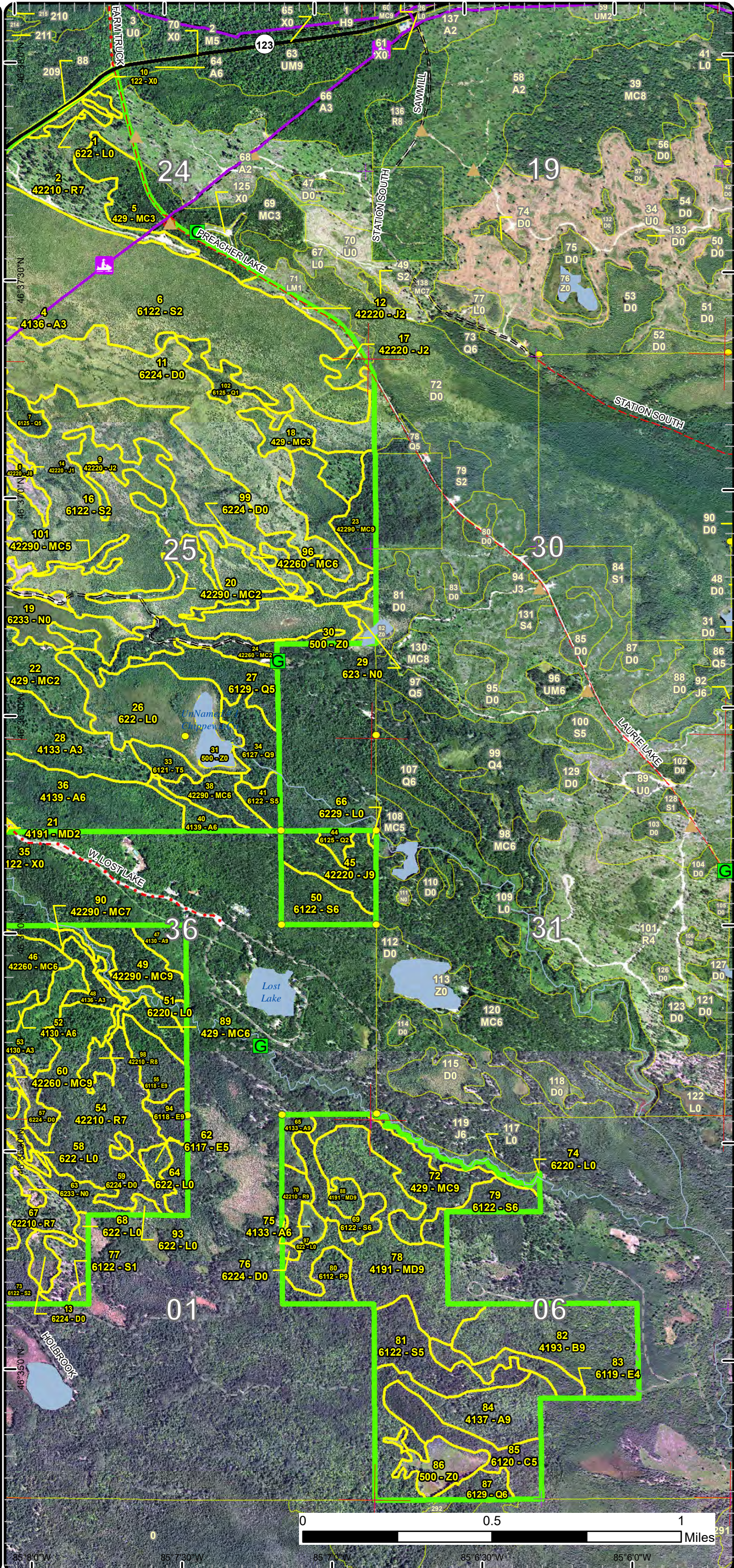


Stand Boundary Map

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023



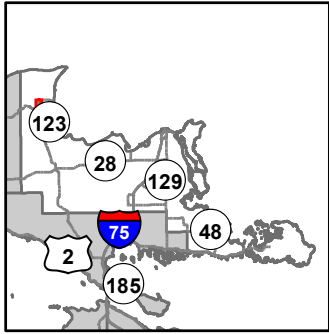
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Dirt Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- STOP Sign
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



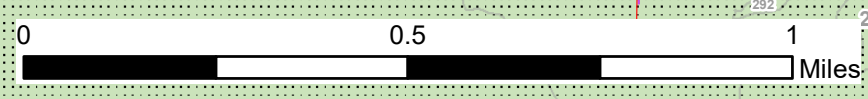
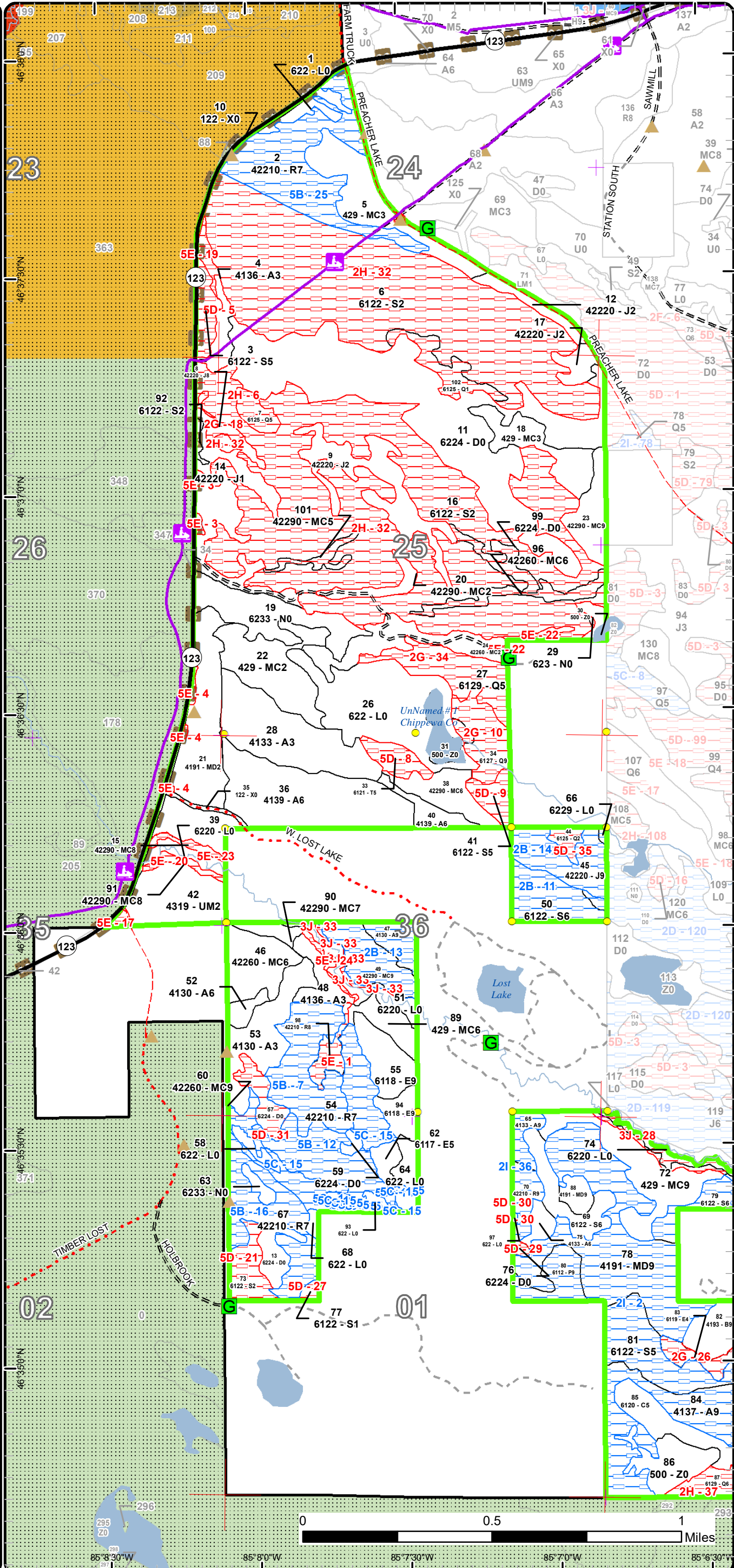
85° 8'0" W
85° 7'30" W
85° 7'0" W
85° 6'30" W
85° 6'0" W

Special Conservation Areas

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023



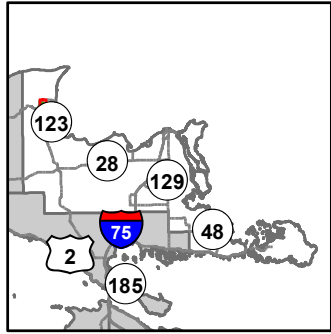
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- STOP Sign
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer
- Recreational/Scenic Value Area



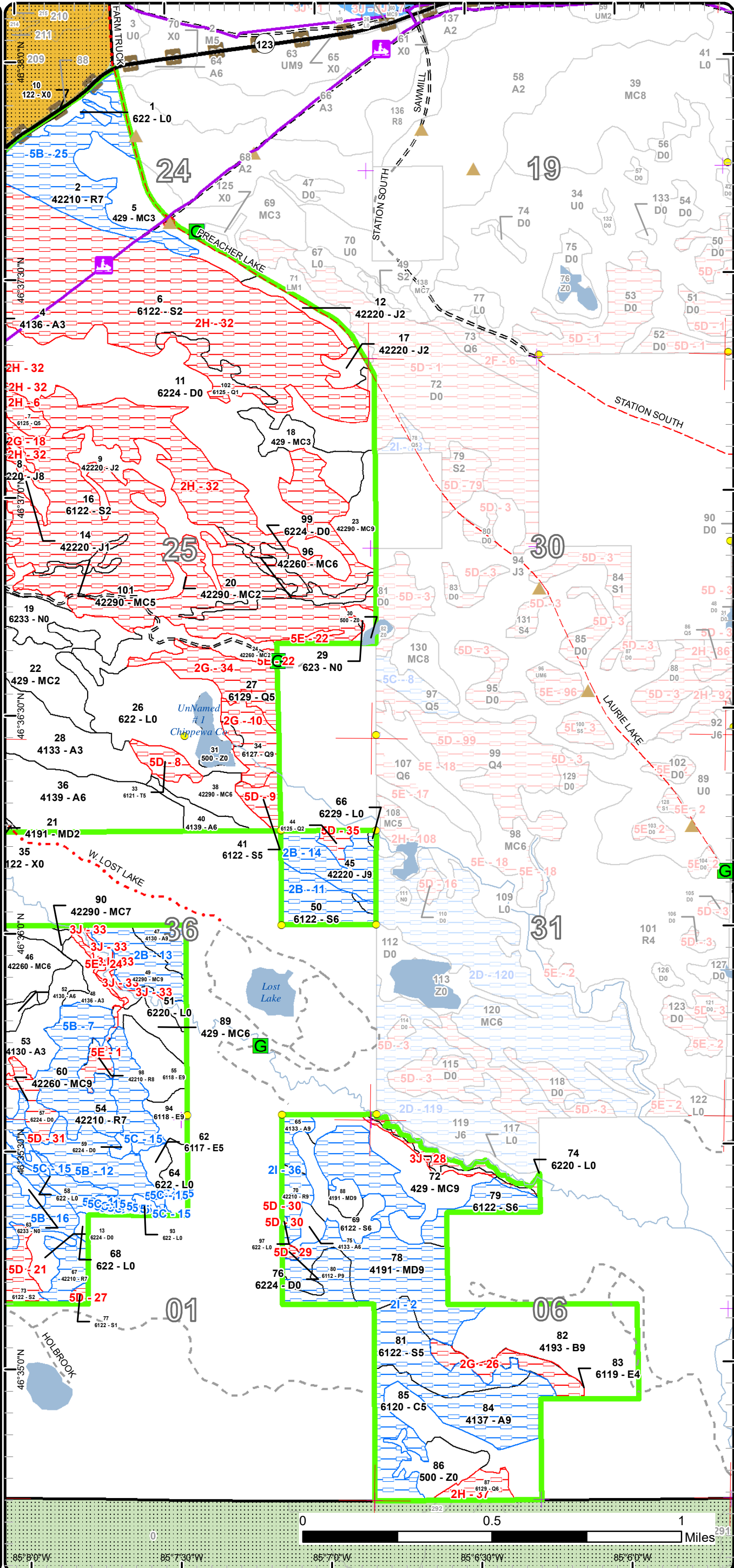
85°30'W 85°0'W 85°30'W 85°70'W 85°60'W

Special Conservation Areas

Compartment: 64
 T49N, R07W, Sec. 23-26, 35, 36
 T48N, R07W, Sec. 1
 T48N, R06W, Sec. 6
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 Point
 YOE: 2024
 Acres: 1768.1 GIS Calculated
 Examiner: Lester Livermore
 Map Revised: 1/6/2023



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- STOP Sign
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer
- Recreational/Scenic Value Area



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 64

Year of Entry 2024

Lester Livermore : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	16	22	36	0	50	0	0	0	60	6	0	0	0	0	0	0	0	190
Cedar	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	22
Jack Pine	0	34	0	30	0	0	0	0	0	19	3	0	0	0	0	0	0	0	86
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11
Lowland Conifers	0	0	0	0	0	0	0	10	20	12	3	0	0	0	14	0	0	0	59
Lowland Deciduous	0	0	0	0	0	0	0	24	12	0	0	0	0	0	0	0	0	0	36
Lowland Shrub	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Lowland Spruce/Fir	0	0	0	0	0	0	241	185	2	43	19	13	0	0	0	0	0	0	503
Marsh	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Mixed Upland Deciduous	0	43	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	113
Natural Mixed Pines	0	22	0	5	0	17	0	0	19	35	12	0	0	0	12	0	0	0	122
Paper Birch	0	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	54
Red Pine	0	0	0	0	0	0	0	0	0	52	105	0	0	0	0	0	0	0	157
Tamarack	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Treed Bog	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133
Upland Conifers	0	0	0	43	25	0	0	0	0	29	8	0	0	0	0	0	0	0	104
Upland Mixed Forest	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	278	139	22	114	25	67	0	241	238	236	347	22	13	0	0	26	0	0	1766



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 64

Total Compartment Acres: 1,768

Commercial Harvest - 131
 Harvests with Site Condition - 227
 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	67	0	0	0	0	0	0	0	0	67
Jack Pine	19	0	0	0	0	0	0	0	0	19
Lowland Aspen/Balsam Poplar	11	0	0	0	0	0	0	0	0	11
Lowland Spruce/Fir	65	0	0	0	0	0	0	0	0	65
Mixed Upland Deciduous	66	0	0	0	4	0	0	0	0	70
Natural Mixed Pines	28	0	0	12	0	0	0	0	0	40
Paper Birch	54	0	0	0	0	0	0	0	0	54
Red Pine	0	0	0	0	0	7	0	0	0	7
Upland Conifers	0	0	0	26	0	0	0	0	0	26
Total	309	0	0	38	4	7	0	0	0	358

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	358	0	0	0	0	0	0	0	0	358
Next Step	0	60	12	49	0	0	362	0	0	483
Total	358	60	12	49	0	0	362	0	0	841



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

Approved Treatments:

23	42064023-Cut	12.3	42290 - Natural Mixed Pine	Sawtimber Well	141	111- 140	Harvest	Seed Tree with Retention	42260 - Natural Pine, Mixed Deciduous	Two-Aged	No
----	--------------	------	-------------------------------	-------------------	-----	-------------	---------	-----------------------------	---	----------	----

Prescription Retain 10 - 30 basal area of red and white pine. Harvest all other individuals. Retain legacy trees. Acreage may change by 25%.

Specs:

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; Planting, Unfurrowed

Treatments:

Acceptable Red and white pine with black spruce, red maple, and paper birch.

Regen:

Other Corners recently set by county. Ideally would scarify site but lowland inclusion and small site may limit this possibility.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

38	42064038-Cut	12.7	42290 - Natural Mixed Pine	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
----	--------------	------	-------------------------------	--------------------	----	--------	---------	----------------------------	--------------------------------	-----------	----

Prescription Cut all species establishing a new even aged stand. Retain 1 white pine per 2 acres for bear escape trees. Pocket retention 3 - 5%. Acreage may change by 25%.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Machine Seed

Treatments:

Acceptable Jack, red and white pine, aspen and birch in high areas with black spruce, jack pine and birch in lowlands.

Regen:

Other Access either from west opening old road or from south up the steep ridge.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

40	42064040-Cut	6.4	4139 - Aspen, Mixed Deciduous	Poletimber Well	98	Unspec ified	Harvest	Clearcut	4137 - Aspen, Birch	Even-Aged	No
----	--------------	-----	----------------------------------	--------------------	----	-----------------	---------	----------	------------------------	-----------	----

Prescription Harvest all species present. No retention based on acreage. Any aspen retention due to topography will provide winter food sources for grouse. Acreage may change by 25%.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, birch, oak, red pine, white pine, jack pine, and black spruce.

Regen:

Other Access probably from the west opening the old road through stand 28. Steep slope in the stand will not be harvested in places based on terrain.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
45	42064045-Cut	19.4	42220 - Natural Jack Pine	Sawtimber Well	82	Unspecified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species present. Pocket retention 3 - 10% of stand acreage. Areas of steep slope will serve as retention. Acreage may change by 25%.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Machine Seed; Monitoring, Natural Regen (Intermediate); SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine with red pine, white pine,</p> <p><u>Regen:</u></p> <p><u>Other</u> Access through private from the west. Stand will be tricky to harvest based on terrain but not impossible. Scarification may not be possible or</p> <p><u>Comment:</u> feasible but would be ideal for regeneration.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
47	42064047-Cut	7.6	4130 - Aspen	Sawtimber Well	84		Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species to regenerate grouse habitat. No retention due to small acreage however steep slopes may produce retention and leave</p> <p><u>Specs:</u> mature aspen in the boundary line. Acreage may change by 25%.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen with red pine, white pine, spruce and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Tricky access with topography and multiple private ownership.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
49	42064049-Cut	15.1	42290 - Natural Mixed Pine	Sawtimber Well	89	81-110	Harvest	Clearcut with Retention	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species present. Retain some mature aspen as a food source for wintering grouse, especially near the stand boundary to the</p> <p><u>Specs:</u> north. Leave one white pine per 2 acres for bear escape trees. Patch retention 3 - 10%. Wet inclusions and steep slopes may serve as retention. Acreage may change by 25%.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine, red pine, white pine, spruce, aspen and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Private ownership may hinder access. Scarify after harvest promoting natural pine regeneration. Buffer creek based on BMP guidelines</p> <p><u>Comment:</u> (100ft buffer built in).</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
50	42064050-Cut	16.8	6122 - Black Spruce	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest all species present. Pocket retention 3 - 10% of the stand area. Steep slopes and wet unproductive areas may serve as retention.</p> <p><u>Specs:</u> Treatment acreage may change based on topography and lowland inclusions. Acreage may change by 25%.</p> <p><u>Next Step</u> Seeding, Machine Seed; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Black spruce, jack pine with red pine, white pine, aspen, birch, red maple, fir and tamarack.</p> <p><u>Regen:</u></p> <p><u>Other</u> Will need permission from private landowner to access site. Possibly winter harvest depending on ground conditions. Access either from</p> <p><u>Comment:</u> private via Lost Lake road or skid wood back up the ridge to the north.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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

65	42064065-Cut	5.1	4133 - Aspen, Mixed Pine	Sawtimber Well	83	Unspecified	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
-----------	---------------------	-----	--------------------------	----------------	----	-------------	---------	-------------------------	--------------------------	-----------	----

Prescription Harvest all species present. Patch retention 3 - 10%. Leave all oak where present. Steep slopes may serve as retention and mature aspen will provide food for wintering grouse. Acreage may change by 25%.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with red and white pine, red oak, paper birch and red maple.

Regen:

Other Steep ridges may be a challenge in some areas. Access through private land.

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

69	42064069-Cut	12.6	6122 - Black Spruce	Poletimber Well	111	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
-----------	---------------------	------	---------------------	-----------------	-----	-------------	---------	-------------------------	---------------------	-----------	----

Prescription Harvest all species present except retain hemlock and one white pine per acre for bear escape trees. Pocket retention 3 - 5%. Lowland inclusions and steep slopes will serve as retention. Acreage may change by 25%.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce, jack, red and white pine, red maple, paper birch, aspen, and tamarack.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

70	42064070-Cut	7.1	42210 - Natural Red Pine	Sawtimber Well	87	141-170	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
-----------	---------------------	-----	--------------------------	----------------	----	---------	---------	----------------	--------------------------	-----------	----

Prescription Retain approximate 120 basal area of red pine while harvesting all other species present except retain all oak for wildlife food source. Acreage may change by 25%.

Next Step

Treatments:

Acceptable Red pine with other species present.

Regen:

Other Steep slopes within the stand may hinder harvest in areas. Access through private.

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

72	42064072-Cut	25.5	429 - Mixed Upland Conifers	Sawtimber Well	81	81-110	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Even-Aged	No
-----------	---------------------	------	-----------------------------	----------------	----	--------	---------	--------------------------	-----------------------------	-----------	----

Prescription Retain 10 - 30 basal area of red and white pine where present in scattered clumps to mitigate blowdown. These will serve as escape trees for bear. Harvest all other species. Acreage may change by 25%.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack, red and white pine, spruce, aspen and birch.

Regen:

Other 100'+ buffer from Cheney creek built in. Small wet inclusions and steep slope will provide scattered retention.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	75 42064075-Cut	3.9	4133 - Aspen, Mixed Pine	Poletimber Well	81		Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species to preserve grouse habitat. No retention based on small acreage. Acreage may change by 25%. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen with birch, pine, spruce and balsam. <u>Regen:</u></p> <p><u>Other</u> Steep slopes may hinder harvest in some areas. Access through private. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
	78 42064078-Cut	65.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Harvest all species present while retaining all hemlock and a representation of red and white pine where present. Retain some large aspen and/or birch in the red pine for cavity nesters. Pocket retention 3 - 10% of stand area. Acreage may change by 25%. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, birch, red maple, spruce, balsam fir, white pine, red pine, hemlock and cedar. <u>Regen:</u></p> <p><u>Other</u> Some areas of sub-merchantable trees scattered within that will not be harvested. <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
	79 42064079-Cut	10.2	6122 - Black Spruce	Poletimber Well	105	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all species present leaving pocket retention 3 - 5%. Buffer the river according to BMP guidelines which may serve as retention and as a wildlife travel corridor. Acreage may change by 25%. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Black spruce with red, white and jack pine, red maple, and paper birch and tamarack. <u>Regen:</u></p> <p><u>Other</u> Access through private sounds possible. Work with private land owner to access. <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
	80 42064080-Cut	10.7	6112 - Lowland Aspen	Sawtimber Well	96	Unspecified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all species present. Retain any supercanopy trees for future nest trees where present. Retain some mature aspen and/or birch in the red line for cavity nesters. Pocket retention 3 - 5%. Acreage may change by 25%. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, birch, red maple, spruce, balsam fir, white pine, red pine, hemlock and cedar. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

81	42064081-Cut	25.7	6122 - Black Spruce	Poletimber Medium	94		Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
-----------	---------------------	------	---------------------	-------------------	----	--	---------	-------------------------	---------------------	-----------	----

Prescription Harvest all species present. Retain some larger red and white pine for a diverse seed source and bear escape trees. Patch retention 3 - 5%.
Specs: Acreage may change by 25%.

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

Acceptable Black spruce, jack pine, red pine, white pine, red maple, aspen and birch.
Regen:

Other Probably winter harvest.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

82	42064082-Cut	53.5	4193 - Birch, Aspen	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4137 - Aspen, Birch	Even-Aged	No
-----------	---------------------	------	---------------------	----------------	----	--------	---------	-------------------------	---------------------	-----------	----

Prescription Harvest all species present except retain a representation of red and/or white pine for a diverse seed source. Retain birch and/or aspen in the red line for cavity nesters. Create 3 drumming logs along SW boundary adjacent to lowlands to benefit grouse. Pocket retention 3 - 5%.
Specs: Acreage may change by 25%.

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

Acceptable Aspen and birch with red maple, spruce, balsam fir and white pine.
Regen:

Other Maintain the road through the stand.
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

84	42064084-Cut	43.7	4137 - Aspen, Birch	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	4137 - Aspen, Birch	Even-Aged	No
-----------	---------------------	------	---------------------	----------------	----	--------	---------	-------------------------	---------------------	-----------	----

Prescription Harvest all species present creating a new age class of regeneration. Retain mature aspen and/or birch in the red line for wintering grouse.
Specs: Create 3 drumming logs in the east side of the stand. Patch retention 3 - 10%. Diverse wet and/or steep areas may serve as retention. Acreage may change by 25%.

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

Acceptable Aspen, birch, red maple, spruce, balsam fir, white pine and red pine.
Regen:

Other Access through private.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023



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
88 42064088-Cut	4.4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	95	111-140	Harvest	Shelterwood with Retention	4191 - Mixed Upland Deciduous with Conifer	Two-Aged	No
<p><u>Prescription</u> Retain 40 - 50 basal area of red maple, red and white pine. Retain all hemlock. Retain cedar unless needed for maneuverability for nesting birds such as blackburnian warbler. Harvest all other species including aspen, birch, spruce and fir. Acreage may change by 25%.</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> Red maple, hemlock, and pine with aspen, birch, spruce and balsam.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: 358.4

Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 64

Lester Livermore : Examiner

Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition			2B	2I	5B	5C	2G	2H	3J	5D	5E	
191	132	56		3	Aspen	8	49			0			0	3
23	23	0		0	Cedar									
87	64	19		4	Jack Pine	19				3				1
11	0	11		0	Lowland Aspen/Balsam Poplar		11							
60	0	0		60	Lowland Conifers					34	22		3	
36	24	0		12	Lowland Deciduous					12				
84	76	1		7	Lowland Shrub	1				1		5	0	
501	14	54		433	Lowland Spruce/Fir	17	37			0	407	0	26	
29	29	0		0	Marsh						0			
113	47	66		1	Mixed Upland Deciduous		66			0			0	1
122	72	27		23	Natural Mixed Pines	16			12		12	1	0	9
54	53	0		0	Paper Birch					0				
158	1	151		6	Red Pine		7	129	15				0	6
7	0	0		7	Tamarack								7	
133	118	0		14	Treed Bog						6		9	
104	102	0		3	Upland Conifers							3		0
24	23	0		1	Upland Mixed Forest									1
12	12	0		0	Urban									
21	21	0		0	Water									
1,769	810	385		573	Total Forested Acres	60	169	129	27	50	448	9	45	21
	46%	22%		32%	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	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	2I: Survey needed	157	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Lester Livermore : Examiner

Compartment: 64
Year of Entry: 2024

3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Difficult logging chance. Was put up on sale before, but not cut due to accessibility.							
7	Available	5B: Maintain for regeneration purposes	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treed bog							
9	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treed bog							

Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 64

Lester Livermore : Examiner

Year of Entry: 2024

10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
Comments:							
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access from either Lost Lake Road through private or over the steep ridge from the north.							
12	Available	5B: Maintain for regeneration purposes	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access from the west opening up old road from the highway. Narrow ridge in places but seems possible.							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Lester Livermore : Examiner

Compartment: 64
Year of Entry: 2024

16	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Consider overstory removal or canopy thinning next cycle.							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Portion of the originally larger stand that was too wet to harvest when sale prep work was completed.							
19	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5D: Unproductive Forest Land	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Lester Livermore : Examiner

Compartment: 64
Year of Entry: 2024

23	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5B: Maintain for regeneration purposes	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Lester Livermore : Examiner

Compartment: 64
Year of Entry: 2024

29	Unavailable	5D: Unproductive Forest Land	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Could access either from the southeast or from the west through private.							
30	Unavailable	5D: Unproductive Forest Land	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Could access either from the southeast or from the west through private.							
31	Unavailable	5D: Unproductive Forest Land	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	435	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100' buffer of Cheney creek.							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Lester Livermore : Examiner

Compartment: 64
Year of Entry: 2024

35	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	2I: Survey needed	12	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
1	622 - Lowland Shrub	Nonstocked	5.4			No	Scattered trees (spruce/tamarack/JP); Bog and tag alder swale.																																																										
				<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>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High	5 - 10 feet	Tall Shrub	Jack Pine	Low	10 - 20 feet	Sapling	Black Spruce	Low	Variable	Sapling	Tamarack	Low	Variable	Sapling																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Tag Alder	High	5 - 10 feet	Tall Shrub																																																														
Jack Pine	Low	10 - 20 feet	Sapling																																																														
Black Spruce	Low	Variable	Sapling																																																														
Tamarack	Low	Variable	Sapling																																																														
2	42210 - Natural Red Pine	Sawtimber Poor	44.9	88	1-50	N/A	Open areas now starting to fill in with small sapling red maple, white pine, black spruce, Jack pine, paper birch. Portions of the stand open where other parts canopy is occupied by log and pole sized white and red pine.																																																										
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>65</td> <td>Log</td> <td>14</td> <td>88</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	65	Log	14	88	White Pine	25	Log/Pole	11		Black Spruce	5	Sapling/Pole	4		Paper Birch	5	Pole/Log	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>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>< 5 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	White Pine	Medium	5 - 10 feet	Sapling	Jack Pine	High	5 - 10 feet	Sapling	Black Spruce	Low	< 5 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Pine	65	Log	14	88																																																													
White Pine	25	Log/Pole	11																																																														
Black Spruce	5	Sapling/Pole	4																																																														
Paper Birch	5	Pole/Log	8																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	Medium	5 - 10 feet	Sapling																																																														
Jack Pine	High	5 - 10 feet	Sapling																																																														
Black Spruce	Low	< 5 feet	Sapling																																																														
Red Maple	Medium	5 - 10 feet	Sapling																																																														
						Upland with low swales. Small corner of aspen/birch w/ tag alder at 123 & Preacher Lake Road. Red pine, white pine and oak left. Some uncut edges along L types by M-123. Cut in 2014 with adjacent compartment 65 (Road Side Ruckus #420431201). Scarified in Sept 2014 (FTP C42-812).																																																											
3	6122 - Black Spruce	Poletimber Medium	6.9	69		N/A	Bog with stunted Jack pine and black spruce. Frequent Jack pine snags.																																																										
				<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>Pole/Sapling</td> <td>5</td> <td>69</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>43</td> <td>Pole/Sapling</td> <td>5</td> <td>79</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	55	Pole/Sapling	5	69	White Pine	2	Pole/Sapling	6		Jack Pine	43	Pole/Sapling	5	79	<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>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Mountain Holly</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	Medium	Variable	Sapling	Mountain Holly	Low	5 - 10 feet	Tall Shrub																										
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Black Spruce	55	Pole/Sapling	5	69																																																													
White Pine	2	Pole/Sapling	6																																																														
Jack Pine	43	Pole/Sapling	5	79																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Black Spruce	Medium	Variable	Sapling																																																														
Mountain Holly	Low	5 - 10 feet	Tall Shrub																																																														
4	4136 - Aspen, Mixed Conifer	Sapling Well	9.0	6	Immature	N/A	Stand harvested as sale #42-017-14-01. Closed 09/14/2017																																																										
				<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>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>8</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>9</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Sapling	1	6	Jack Pine	10	Sapling	1		Paper Birch	10	Sapling	1		Black Spruce	8	Sapling	1		Red Maple	9	Sapling	1		White Pine	3	Sapling	1																										
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Quaking Aspen	60	Sapling	1	6																																																													
Jack Pine	10	Sapling	1																																																														
Paper Birch	10	Sapling	1																																																														
Black Spruce	8	Sapling	1																																																														
Red Maple	9	Sapling	1																																																														
White Pine	3	Sapling	1																																																														
5	429 - Mixed Upland Conifers	Sapling Well	25.3	33	1-50	N/A	cut on sale #7-89; FTP #42-245. Variable aspen - mostly pockets, but some scattered. RP left. Pockets of low ground. Western side thick black spruce and white pine Regen with paper birch now entering pole sized class.																																																										
				<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>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>45</td> <td>Sapling</td> <td>3</td> <td>33</td> </tr> <tr> <td>Paper Birch</td> <td>6</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>8</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>12</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	2		Jack Pine	45	Sapling	3	33	Paper Birch	6	Sapling	4		Bigtooth Aspen	5	Sapling	2		Red Pine	5	Sapling	2		White Pine	2	Log	14		Black Spruce	15	Sapling	3		Red Pine	8	Log	14		Quaking Aspen	12	Sapling	2		<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>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	Variable	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Maple	2	Sapling	2																																																														
Jack Pine	45	Sapling	3	33																																																													
Paper Birch	6	Sapling	4																																																														
Bigtooth Aspen	5	Sapling	2																																																														
Red Pine	5	Sapling	2																																																														
White Pine	2	Log	14																																																														
Black Spruce	15	Sapling	3																																																														
Red Pine	8	Log	14																																																														
Quaking Aspen	12	Sapling	2																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Tag Alder	Low	Variable	Tall Shrub																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
6	6122 - Black Spruce	Sapling Medium	174.3	78	Unspecified	N/A	Sapling/pole boggy stand. Dead JP and S standing snags. Subtle islands of spruce/JP scattered throughout stand. Snowmobile trail cuts through stand.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>50</td> <td>Sapling/Pole</td> <td>4</td> <td>78</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	30	Pole/Sapling	5		White Pine	5	Sapling/Pole	4		Tamarack	15	Sapling/Pole	4		Black Spruce	50	Sapling/Pole	4	78	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Tamarack	Low	Variable	Sapling	Jack Pine	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																												
Jack Pine	30	Pole/Sapling	5																																													
White Pine	5	Sapling/Pole	4																																													
Tamarack	15	Sapling/Pole	4																																													
Black Spruce	50	Sapling/Pole	4	78																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	Variable	Sapling																																													
Black Spruce	Low	Variable	Sapling																																													
Tamarack	Low	Variable	Sapling																																													
Jack Pine	Low	Variable	Sapling																																													
7	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	5.3	92	Unspecified	N/A	JP/S mix. Island in middle of bog area. Upland/lowland. Was put up for sale once before with other 'islands'. Did not cut this one. Difficult access.																																									
8	42220 - Natural Jack Pine	Sawtimber Medium	2.7	92	Unspecified	N/A	Stand boundary split from adjacent recently harvested stand upon timber sale closure. Originally the same stand, this area was significantly wetter and was not treated.																																									
<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>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>80</td> <td>Log/Pole</td> <td>10</td> <td>92</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	5	Log	14		Black Spruce	15	Pole	8		Jack Pine	80	Log/Pole	10	92	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	Black Spruce	Low	Variable	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Pine	5	Log	14																																													
Black Spruce	15	Pole	8																																													
Jack Pine	80	Log/Pole	10	92																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	Low	10 - 20 feet	Sapling																																													
Black Spruce	Low	Variable	Sapling																																													
9	42220 - Natural Jack Pine	Sapling Medium	24.7	22	1-50	N/A	Sale #3-95. Adequate regen (756 t/ac) on 5/06. Ridges with scattered low pockets in middle of treed bog. Regen thickest along skid trails. 5' - 15' tall. Scattered large pine in the eastern portion.																																									
<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>Jack Pine</td> <td>90</td> <td>Sapling</td> <td>2</td> <td>22</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/XLog</td> <td>17</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	90	Sapling	2	22	White Pine	5	Log/XLog	17		Black Spruce	5	Sapling	1																												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Jack Pine	90	Sapling	2	22																																												
White Pine	5	Log/XLog	17																																													
Black Spruce	5	Sapling	1																																													
10	122 - Road/Parking Lot	Nonstocked	10.3		Unspecified	No	M-123																																									
11	6224 - Treed Bog	Nonstocked	110.0			No	Bog with some scattered trees.																																									
		<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>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling																																					
Sub-Canopy Species	Density	Avg. Height	Size																																													
Black Spruce	Low	Variable	Sapling																																													
12	42220 - Natural Jack Pine	Sapling Medium	6.3	7	Immature	N/A	Some low ground mixed in. Narrow strip between bog and road. Cut in 2014 as part of Road Side Ruckus #42043-12-01. Sale was mostly in C-65. Scarified in Sept 2014 (FTP 42-812).																																									
<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>Tamarack</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>75</td> <td>Sapling</td> <td>1</td> <td>7</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	5	Sapling	1		Black Spruce	20	Sapling	1		Jack Pine	75	Sapling	1	7																											
Canopy Species	% Cover	Size Class	DBH	Age																																												
Tamarack	5	Sapling	1																																													
Black Spruce	20	Sapling	1																																													
Jack Pine	75	Sapling	1	7																																												
13	6224 - Treed Bog	Nonstocked	6.6	0	Unspecified	No	Treed bog of black spruce.																																									
		<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>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	10 - 20 feet	Sapling																																					
Sub-Canopy Species	Density	Avg. Height	Size																																													
Black Spruce	Medium	10 - 20 feet	Sapling																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
14	42220 - Natural Jack Pine	Sapling Poor	28.4	6	Immature	N/A	Good flush of Jack pine regeneration throughout the site 1 - 4' tall just entering sapling height in areas. Stand cut in 2015 via Clearcut : Parkside Metsa - 42-017-14. Scarified in 2016. Low ground mixed in. Steeper E-W ridge on south end with two track running through.																																																				
<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>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>65</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Sapling	4		Jack Pine	65	Sapling	1	6	Black Spruce	15	Sapling	1		Red Pine	10	Sapling	1	6	Red Pine	5	Log	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	Tall Shrub	Jack Pine	Medium	< 5 feet	Seeding													
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Red Maple	5	Sapling	4																																																								
Jack Pine	65	Sapling	1	6																																																							
Black Spruce	15	Sapling	1																																																								
Red Pine	10	Sapling	1	6																																																							
Red Pine	5	Log	10																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																								
Jack Pine	Medium	< 5 feet	Seeding																																																								
15	42290 - Natural Mixed Pine	Sawtimber Medium	2.4	81	111-140	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>Black Spruce</td> <td>35</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>45</td> <td>Pole</td> <td>8</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	35	Pole	8		Jack Pine	45	Pole	8	81	White Pine	20	Pole/Log	9																																							
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Black Spruce	35	Pole	8																																																								
Jack Pine	45	Pole	8	81																																																							
White Pine	20	Pole/Log	9																																																								
16	6122 - Black Spruce	Sapling Medium	233.1	60		N/A	Treed bog with varying canopy closure. Some merchantable timber including white and red pine, scattered throughout on included upland narrow ridges. Frequent standing snags throughout.																																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>75</td> <td>Sapling/Pole</td> <td>3</td> <td>60</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	75	Sapling/Pole	3	60	Tamarack	10	Sapling/Pole	3		Jack Pine	15	Sapling/Pole	3																																							
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Black Spruce	75	Sapling/Pole	3	60																																																							
Tamarack	10	Sapling/Pole	3																																																								
Jack Pine	15	Sapling/Pole	3																																																								
17	42220 - Natural Jack Pine	Sapling Medium	5.4	22	1-50	N/A	Stand harvested via clearcut with retention: #42-003-95. Lower ground mixed in.																																																				
<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>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>83</td> <td>Sapling</td> <td>2</td> <td>22</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Sapling	2		Jack Pine	83	Sapling	2	22	Red Maple	10	Pole/Sapling	5		Black Spruce	2	Sapling	2																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Paper Birch	5	Sapling	2																																																								
Jack Pine	83	Sapling	2	22																																																							
Red Maple	10	Pole/Sapling	5																																																								
Black Spruce	2	Sapling	2																																																								
18	429 - Mixed Upland Conifers	Sapling Well	16.1	23	1-50	N/A	Regenerating stand with a good mix of jack pine and black spruce, now 25' tall in places with various other sapling species. Sale harvested via clearcut with retention in 1998: MOOSE RIDGE JACK PINE #42-003-95. Regen check in 5/2006: 756 TPA. White pine and red pine legacy trees scattered, especially in the eastern portion.																																																				
<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>7</td> <td>Log/XLog</td> <td>17</td> <td></td> </tr> <tr> <td>White Pine</td> <td>8</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td>Log/XLog</td> <td>17</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>8</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>40</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>30</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	7	Log/XLog	17		White Pine	8	Sapling	2		Red Pine	3	Log/XLog	17		Red Pine	8	Sapling	3		Jack Pine	40	Sapling	2	23	Paper Birch	2	Sapling	3		Black Spruce	30	Sapling	2		Red Maple	2	Sapling	2		<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>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	Variable	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																																							
White Pine	7	Log/XLog	17																																																								
White Pine	8	Sapling	2																																																								
Red Pine	3	Log/XLog	17																																																								
Red Pine	8	Sapling	3																																																								
Jack Pine	40	Sapling	2	23																																																							
Paper Birch	2	Sapling	3																																																								
Black Spruce	30	Sapling	2																																																								
Red Maple	2	Sapling	2																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Black Spruce	Medium	Variable	Sapling																																																								
19	6233 - Wet Meadow	Nonstocked	24.0			No	Low wet meadow. Tamarack along edges.																																																				
		<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>Tamarack</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Low		Sapling																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Tamarack	Low		Sapling																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
20	42290 - Natural Mixed Pine	Sapling Medium	5.4	22	Immature	N/A	Sale #3-95. Adequate regen (756 t/ac) on 5/06. Regen thickest along skid trails. Narrow ridge in middle of bog with scattered low pockets.																																																															
<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>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>38</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>58</td> <td>Sapling</td> <td>1</td> <td>22</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	2	Sapling	1		Black Spruce	38	Sapling	1		Jack Pine	58	Sapling	1	22	White Pine	2	Sapling	1																																							
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Paper Birch	2	Sapling	1																																																																			
Black Spruce	38	Sapling	1																																																																			
Jack Pine	58	Sapling	1	22																																																																		
White Pine	2	Sapling	1																																																																			
21	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	43.3	6	Immature	N/A	Full flush of regen now reaching above snow line in many places; Aspen and red maple dominated with some black spruce and more Jack pine in the north. Cut in 2015 as part of Parkside Metsa sale. Scarified in summer 2016.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>1</td> <td>6</td> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Sapling</td> <td>1</td> <td>6</td> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/XLog</td> <td>15</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	30	Sapling	1	6	Tag Alder	Low	5 - 10 feet	Tall Shrub	Red Maple	35	Sapling	1	6	Jack Pine	Medium	< 5 feet	Seeding	Red Pine	5	Log/XLog	15						White Pine	5	Log/Pole	10						White Spruce	5	Sapling	1														
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Quaking Aspen	30	Sapling	1	6	Tag Alder	Low	5 - 10 feet	Tall Shrub																																																														
Red Maple	35	Sapling	1	6	Jack Pine	Medium	< 5 feet	Seeding																																																														
Red Pine	5	Log/XLog	15																																																																			
White Pine	5	Log/Pole	10																																																																			
White Spruce	5	Sapling	1																																																																			
22	429 - Mixed Upland Conifers	Sapling Medium	26.7	23	Immature	N/A	Mix of high and low ground. Variable regen, but good overall. Stand harvested via Clearcut w/ Retention: MOOSE RIDGE JACKPINE #42-003-95; scarified 06/1999 under FTP# 42-450. Adequate stocking on 5/3/2003 of 661 t/ac. Northern little bulb was planted in 2000.																																																															
<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>14</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</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> <tr> <td>Jack Pine</td> <td>45</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	14	Sapling	1		White Pine	2	Log	14		White Pine	5	Sapling	2		Red Pine	4	Log	14		Red Pine	5	Sapling	1		Red Maple	5	Sapling	1		Jack Pine	45	Sapling	2	23	Paper Birch	10	Sapling	1		Quaking Aspen	10	Sapling	1														
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Black Spruce	14	Sapling	1																																																																			
White Pine	2	Log	14																																																																			
White Pine	5	Sapling	2																																																																			
Red Pine	4	Log	14																																																																			
Red Pine	5	Sapling	1																																																																			
Red Maple	5	Sapling	1																																																																			
Jack Pine	45	Sapling	2	23																																																																		
Paper Birch	10	Sapling	1																																																																			
Quaking Aspen	10	Sapling	1																																																																			
23	42290 - Natural Mixed Pine	Sawtimber Well	12.3	141	111-140	N/A	Lowland inclusions in the stand. Variable understory of poles on upland portions. Scattered legacy trees intermixed.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>36</td> <td>Log/Pole/XLog</td> <td>17</td> <td>141</td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>33</td> <td>Log/XLog</td> <td>17</td> <td></td> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>8</td> <td>Pole/Log</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>4</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	36	Log/Pole/XLog	17	141	Red Maple	Low	Variable	Sapling	Red Pine	33	Log/XLog	17		Black Spruce	Medium	Variable	Sapling	Jack Pine	8	Pole/Log	9						Paper Birch	4	Pole	8						Black Spruce	15	Pole	7						Red Maple	4	Pole	8					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	36	Log/Pole/XLog	17	141	Red Maple	Low	Variable	Sapling																																																														
Red Pine	33	Log/XLog	17		Black Spruce	Medium	Variable	Sapling																																																														
Jack Pine	8	Pole/Log	9																																																																			
Paper Birch	4	Pole	8																																																																			
Black Spruce	15	Pole	7																																																																			
Red Maple	4	Pole	8																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
24	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	21.6	6	Immature	N/A	Majority of the visible Regen above the snow line is red maple but occasional white pine and Jack pine poking through. Stand harvested as sale #42-017-14. Closed 09/14/2017 High ridge(s). RP and WP legacy trees.																																																		
<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>3</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	3	Pole	8		White Spruce	2	Sapling	1		Red Maple	30	Sapling	1	6	White Pine	30	Sapling	1	6	Red Pine	10	Log/Pole	10		White Pine	5	Log	11		Jack Pine	20	Sapling	1											
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Paper Birch	3	Pole	8																																																						
White Spruce	2	Sapling	1																																																						
Red Maple	30	Sapling	1	6																																																					
White Pine	30	Sapling	1	6																																																					
Red Pine	10	Log/Pole	10																																																						
White Pine	5	Log	11																																																						
Jack Pine	20	Sapling	1																																																						
26	622 - Lowland Shrub	Nonstocked	45.8			No	Few scattered spruce and tamarack.																																																		
<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>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling	Tamarack	Low	Variable	Sapling																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Black Spruce	Low	Variable	Sapling																																																						
Tamarack	Low	Variable	Sapling																																																						
27	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	20.2	86		N/A	Thick poles throughout. Previous inventory states wet withcinnamon fern 5' tall.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>40</td> <td>Pole</td> <td>8</td> <td>86</td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>40</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table> <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> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	40	Pole	8	86	Northern White Cedar	20	Pole/Log	9		Tamarack	40	Pole	7		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub	Red Maple	Medium	10 - 20 feet	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Black Spruce	40	Pole	8	86																																																					
Northern White Cedar	20	Pole/Log	9																																																						
Tamarack	40	Pole	7																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																																						
Red Maple	Medium	10 - 20 feet	Sapling																																																						
28	4133 - Aspen, Mixed Pine	Sapling Well	36.2	23	Immature	N/A	Red and white Pine sawlog residuals overtopping thick aspen regen. Notable Red pine regen in old roads (not FTG). Some low swales in between ridges. Some larger aspen left atop steep ridge on far east end. Stand harvested via Seed Tree w/ Retention: MOOSE RIDGE JACKPINE #42-003-95.																																																		
<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>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>8</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>3</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Sapling</td> <td>3</td> <td>23</td> </tr> <tr> <td>White Pine</td> <td>7</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/XLog</td> <td>14</td> <td>88</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	3		Jack Pine	8	Sapling	1		Paper Birch	3	Sapling	3		Quaking Aspen	30	Sapling	3		Bigtooth Aspen	35	Sapling	3	23	White Pine	7	Log/XLog	14		Red Pine	10	Log/XLog	14	88	Red Pine	3	Sapling	1		White Pine	2	Sapling	3	
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Maple	2	Sapling	3																																																						
Jack Pine	8	Sapling	1																																																						
Paper Birch	3	Sapling	3																																																						
Quaking Aspen	30	Sapling	3																																																						
Bigtooth Aspen	35	Sapling	3	23																																																					
White Pine	7	Log/XLog	14																																																						
Red Pine	10	Log/XLog	14	88																																																					
Red Pine	3	Sapling	1																																																						
White Pine	2	Sapling	3																																																						
29	623 - Emergent Wetland	Nonstocked	2.8		Unspecified	No																																																			
30	500 - Water	Nonstocked	0.6			No	small bog lake																																																		
31	500 - Water	Nonstocked	6.3		Unspecified	No	Small bog-like lake.																																																		



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

33 6121 - Tamarack Poletimber Medium 6.9 81 Unspecified N/A Treed bog.

34 6127 - Lowland Pine Sawtimber Well 14.1 141 81-110 N/A

Knob surrounded by low ground. Most deciduous has died out. WB standing snags. Flowing stream on southern portion. Steep slopes leading to pole/sapling dominated lowlands. Flooded timber in areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	50	Log/XLog	16	141	Red Pine	Low	Variable	Sapling
Red Maple	3	Pole	8		White Pine	Low	Variable	Sapling
Black Spruce	10	Pole	8		Black Spruce	Medium	Variable	Sapling
Northern White Cedar	5	Pole	8		Paper Birch	Low	10 - 20 feet	Sapling
White Pine	30	Log/Pole	13					
Paper Birch	2	Pole	8					

35 122 - Road/Parking Lot Nonstocked 1.6 Unspecified No Cheney Creek Road (County/Gravel)

36 4139 - Aspen, Mixed Deciduous Poletimber Well 46.8 48 81-110 N/A

Horse trail loops through stand. Some larger diameter red maple near road. Birch pockets 4 -5" dbh.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	15	Pole	5		Red Maple	Medium	Variable	Sapling
Balsam Fir	10	Pole	5		Balsam Fir	Medium	Variable	Sapling
Red Maple	14	Pole	6					
Red Pine	1	XLog/Log	18					
Bigtooth Aspen	9	Pole	5					
White Pine	1	XLog/Log	18					
Quaking Aspen	50	Pole	5	48				

38 42290 - Natural Mixed Pine Poletimber Well 12.7 75 81-110 N/A

Mixture of upland & lowland. Areas of pine graduates to areas of spruce. Very steep razor back ridge on south line of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	22	Log/Pole	12	77	Black Spruce	Medium	Variable	Sapling
Bigtooth Aspen	8	Log/Pole	10		Red Maple	Low	Variable	Sapling
Jack Pine	30	Pole/Log	8	75				
Black Spruce	30	Pole	8					
White Pine	10	Log/Pole	10					

39 6220 - Alder/willow Nonstocked 5.0 Unspecified No Cheney Creek corridor.



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

40 4139 - Aspen, Mixed Deciduous Poletimber Well 6.4 98 Unspecified N/A Northern edge is high narrow ridge. Below ridge is more of a mix of paper birch, red maple and spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	10	Pole/Log	9		White Pine	Low	Variable	Sapling
Bigtooth Aspen	35	Log	14	98	Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	25	Pole/Log	8					
Northern White Cedar	5	Pole	8					
Paper Birch	15	Log/Pole	10					
Black Spruce	5	Pole/Log	8					

41 6122 - Black Spruce Poletimber Medium 6.8 101 1-50 N/A Better diameters on edge of stand and more wet as you enter and east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	83	Sapling/Pole	4	101	Red Maple	Low	10 - 20 feet	Sapling
Tamarack	10	Sapling/Pole	4		Mountain Holly	Medium	5 - 10 feet	Tall Shrub
Jack Pine	2	Pole	8					
White Pine	5	Pole	8					

42 4319 - Mixed Upland Forest Sapling Medium 23.7 8 Immature N/A Good flush of mixed regen; more diverse than that north of creek with more Jack pine component. Cut in 2015 as part of Parkside Metsa sale. Scarified in summer 2016.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	40	Sapling	1	8	Jack Pine	Medium	< 5 feet	Seeding
Red Maple	25	Sapling	1	8				
Red Pine	4	Log/XLog	15					
White Pine	5	Pole/Sapling	5					
White Spruce	6	Sapling	2					
Quaking Aspen	20	Sapling	1	8				

44 6125 - Lowland Black Spruce, Jack Pine Sapling Medium 3.4 101 Unspecified N/A Treed bog.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	45	Sapling/Pole	3	101	Red Maple	Low	5 - 10 feet	Sapling
White Pine	3	Sapling/Pole	4					
Red Pine	2	Sapling/Pole	4					
Tamarack	45	Sapling	3					
Jack Pine	5	Sapling	3					

45 42220 - Natural Jack Pine Sawtimber Well 19.4 82 Unspecified N/A Stand similar to adjacent stands that occupy the same ridge. Inclusions of lowland and steep ridges within the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	15	Log	12		Black Spruce	Low	Variable	Sapling
Red Pine	10	Log	12		Red Maple	Low	Variable	Sapling
Jack Pine	65	Log/Pole	10	82				
Black Spruce	5	Pole	8					
Paper Birch	5	Pole/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
46	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	17.4	43	81-110	N/A	Stand harvested via Clearcut with retention: #42-016-70. Nice mix of aspen and jack pine.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>53</td> <td>Pole</td> <td>5</td> <td>43</td> </tr> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	53	Pole	5	43	Quaking Aspen	25	Pole/Sapling	5		White Pine	2	Sapling/Pole	4		Red Pine	5	Pole/Sapling	5		Bigtooth Aspen	15	Pole/Sapling	5																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Jack Pine	53	Pole	5	43																																																																		
Quaking Aspen	25	Pole/Sapling	5																																																																			
White Pine	2	Sapling/Pole	4																																																																			
Red Pine	5	Pole/Sapling	5																																																																			
Bigtooth Aspen	15	Pole/Sapling	5																																																																			
47	4130 - Aspen	Sawtimber Well	7.6	84		N/A	Nice aspen stand. Open with scattered conifer in understory, as well as scattered beech in understory.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>95</td> <td>Log/Pole</td> <td>10</td> <td>84</td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	95	Log/Pole	10	84	Red Maple	Low	Variable	Sapling	Red Maple	5	Log/Pole	10		Beech	Low	Variable	Sapling						Balsam Fir	Low	Variable	Sapling						White Pine	Low	Variable	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Bigtooth Aspen	95	Log/Pole	10	84	Red Maple	Low	Variable	Sapling																																																														
Red Maple	5	Log/Pole	10		Beech	Low	Variable	Sapling																																																														
					Balsam Fir	Low	Variable	Sapling																																																														
					White Pine	Low	Variable	Sapling																																																														
48	4136 - Aspen, Mixed Conifer	Sapling Well	7.3	5	1-50	N/A	Two-aged stand based on past harvest with a good flush of aspen, maple, spruce, pine and fir. Some large RP along south edge/younger JP border. Steep ridge along pre-inv std 43. Multiple ridges. Steep ridge up to top of creek bank. Majority of stand harvested via Clearcut w/ Reserves in 2018 as part of Lost Metsa, #42-001-15. All red pine, white pine, hemlock and oak were left. Scarification FTP 42-871 was cancelled due to too much residual and steep ridges/low ground issues.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>3</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>8</td> <td>Log</td> <td>12</td> <td>77</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>7</td> <td>Log/XLog</td> <td>16</td> <td>77</td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>1</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling/Pole</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	3	Sapling	1		White Pine	8	Log	12	77	Jack Pine	2	Log/Pole	10		Red Pine	7	Log/XLog	16	77	Balsam Fir	2	Sapling	2		Hemlock	1	Log/Pole	12		Bigtooth Aspen	25	Sapling	1	5	Red Oak	2	Sapling	1		Red Maple	5	Sapling/Pole	2		Quaking Aspen	45	Sapling	1	5								
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Spruce	3	Sapling	1																																																																			
White Pine	8	Log	12	77																																																																		
Jack Pine	2	Log/Pole	10																																																																			
Red Pine	7	Log/XLog	16	77																																																																		
Balsam Fir	2	Sapling	2																																																																			
Hemlock	1	Log/Pole	12																																																																			
Bigtooth Aspen	25	Sapling	1	5																																																																		
Red Oak	2	Sapling	1																																																																			
Red Maple	5	Sapling/Pole	2																																																																			
Quaking Aspen	45	Sapling	1	5																																																																		
49	42290 - Natural Mixed Pine	Sawtimber Well	16.8	89	81-110	N/A	Jack pine and spruce reaching mortality in many places.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td></td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>50</td> <td>Log/Pole</td> <td>10</td> <td>89</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	15	Log/Pole	10		Black Spruce	Medium	Variable	Sapling	Black Spruce	10	Pole	8		Balsam Fir	Low	Variable	Sapling	White Pine	5	Log/Pole	13		Red Maple	Medium	Variable	Sapling	Red Pine	15	Log	14						Jack Pine	50	Log/Pole	10	89					Quaking Aspen	5	Log	12					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Spruce	15	Log/Pole	10		Black Spruce	Medium	Variable	Sapling																																																														
Black Spruce	10	Pole	8		Balsam Fir	Low	Variable	Sapling																																																														
White Pine	5	Log/Pole	13		Red Maple	Medium	Variable	Sapling																																																														
Red Pine	15	Log	14																																																																			
Jack Pine	50	Log/Pole	10	89																																																																		
Quaking Aspen	5	Log	12																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
50	6122 - Black Spruce	Poletimber Well	16.8	96	81-110	N/A	More productive ground than a treed bog. Some low pine ridges. Very steep ridge on north edge. This stand is located below the ridge. Includes some sub-merchantable areas.																																																			
<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>8</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>60</td> <td>Pole</td> <td>6</td> <td>96</td> </tr> <tr> <td>Northern White Cedar</td> <td>6</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>6</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	8	Log/Pole	10		Jack Pine	15	Pole	6		Black Spruce	60	Pole	6	96	Northern White Cedar	6	Pole	8		White Pine	5	Pole/Log	8		Tamarack	6	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>Northern White Cedar</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Mountain Holly</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Low	Variable	Sapling	Mountain Holly	Low	5 - 10 feet	Tall Shrub	Red Maple	Low	Variable	Sapling	Black Spruce	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Pine	8	Log/Pole	10																																																							
Jack Pine	15	Pole	6																																																							
Black Spruce	60	Pole	6	96																																																						
Northern White Cedar	6	Pole	8																																																							
White Pine	5	Pole/Log	8																																																							
Tamarack	6	Pole	6																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Northern White Cedar	Low	Variable	Sapling																																																							
Mountain Holly	Low	5 - 10 feet	Tall Shrub																																																							
Red Maple	Low	Variable	Sapling																																																							
Black Spruce	Low	Variable	Sapling																																																							
51	6220 - Alder/willow	Nonstocked	9.0		Unspecified	No	Cheney Creek corridor.																																																			
52	4130 - Aspen	Poletimber Well	3.6	43		N/A	Stand is entering pole size classes in most areas. Stand harvested via Clearcut: #16-70A.																																																			
<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>3</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Pole/Sapling</td> <td>5</td> <td>43</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	3	Log	14		Quaking Aspen	60	Pole/Sapling	5	43	Balsam Fir	5	Pole	5		Bigtooth Aspen	20	Pole/Sapling	5		Red Maple	10	Pole/Sapling	5		White Pine	2	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>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Pine	3	Log	14																																																							
Quaking Aspen	60	Pole/Sapling	5	43																																																						
Balsam Fir	5	Pole	5																																																							
Bigtooth Aspen	20	Pole/Sapling	5																																																							
Red Maple	10	Pole/Sapling	5																																																							
White Pine	2	Log	14																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Low	10 - 20 feet	Sapling																																																							
53	4130 - Aspen	Sapling Well	21.8	18		N/A	Aspen regen with red maple and some birch now 10 - 25 feet tall throughout with areas of overstory mixed pine. Stand harvested via shelterwood: Timberlost Timber #017-04-01.																																																			
<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>13</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Sapling</td> <td>2</td> <td>18</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>13</td> <td>75</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	13	Sapling	2		Paper Birch	5	Sapling	2		Quaking Aspen	30	Sapling	2		Bigtooth Aspen	35	Sapling	2	18	Red Pine	10	Log	13	75	White Pine	5	Log	14		Jack Pine	2	Pole/Sapling	5																		
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	13	Sapling	2																																																							
Paper Birch	5	Sapling	2																																																							
Quaking Aspen	30	Sapling	2																																																							
Bigtooth Aspen	35	Sapling	2	18																																																						
Red Pine	10	Log	13	75																																																						
White Pine	5	Log	14																																																							
Jack Pine	2	Pole/Sapling	5																																																							
54	42210 - Natural Red Pine	Sawtimber Poor	71.3	94	1-50	N/A	Harvested via Clearcut w/ Reserves in 2018 as part of Lost Metsa, #001-15. All red pine, white pine, hemlock and oak were left (~40-50 BA). Patch retention for the whole sale is mostly located within this stand.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>82</td> <td>Log/Pole</td> <td>14</td> <td>94</td> </tr> <tr> <td>White Pine</td> <td>18</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	82	Log/Pole	14	94	White Pine	18	Log/Pole	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>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Aspen (spp.)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	< 5 feet	Sapling	Aspen (spp.)	Medium	5 - 10 feet	Sapling	White Pine	Low	< 5 feet	Seeding	Red Pine	Low	< 5 feet	Seeding																				
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Pine	82	Log/Pole	14	94																																																						
White Pine	18	Log/Pole	12																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	< 5 feet	Sapling																																																							
Aspen (spp.)	Medium	5 - 10 feet	Sapling																																																							
White Pine	Low	< 5 feet	Seeding																																																							
Red Pine	Low	< 5 feet	Seeding																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
55	6118 - Lowland Deciduous with Cedar	Sawtimber Well	13.1	75	Unspecified	N/A	Lowlands with upland.																																																			
<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>25</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log/Pole</td> <td>10</td> <td>75</td> </tr> <tr> <td>Paper Birch</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	25	Log/Pole	12		Hemlock	2	Log/Pole	12		Red Maple	40	Log/Pole	10	75	Paper Birch	20	Log/Pole	12		Black Spruce	10	Pole	8		White Pine	3	Log/XLog	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	Low	Variable	Sapling	Northern White Cedar	Low	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Northern White Cedar	25	Log/Pole	12																																																							
Hemlock	2	Log/Pole	12																																																							
Red Maple	40	Log/Pole	10	75																																																						
Paper Birch	20	Log/Pole	12																																																							
Black Spruce	10	Pole	8																																																							
White Pine	3	Log/XLog	16																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Hemlock	Low	Variable	Sapling																																																							
Northern White Cedar	Low	Variable	Sapling																																																							
Balsam Fir	Medium	Variable	Sapling																																																							
Tag Alder	Medium	10 - 20 feet	Tall Shrub																																																							
57	6224 - Treed Bog	Nonstocked	7.7		Unspecified	No																																																				
58	622 - Lowland Shrub	Nonstocked	2.5		Unspecified	No	Small suppressed spruce																																																			
59	6224 - Treed Bog	Nonstocked	1.6		Unspecified	No																																																				
		<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>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	5 - 10 feet	Sapling																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Black Spruce	Low	5 - 10 feet	Sapling																																																							
60	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	12.9	81	81-110	N/A	Ridge on south side of stand. Road needed. Moderate aged pine with aspen pockets and spruce in association. Scattered birch. Lower ground. Fire probably best for even aged Management.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Pole</td> <td>8</td> <td>66</td> </tr> <tr> <td>Red Pine</td> <td>50</td> <td>Log</td> <td>12</td> <td>81</td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	5	Pole/Log	8		Bigtooth Aspen	25	Pole	8	66	Red Pine	50	Log	12	81	Black Spruce	10	Pole/Log	8		White Pine	10	Log/Pole	13		<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>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	10 - 20 feet	Sapling	Red Oak	Low	10 - 20 feet	Sapling	Black Spruce	Medium	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Oak	5	Pole/Log	8																																																							
Bigtooth Aspen	25	Pole	8	66																																																						
Red Pine	50	Log	12	81																																																						
Black Spruce	10	Pole/Log	8																																																							
White Pine	10	Log/Pole	13																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	10 - 20 feet	Sapling																																																							
Red Oak	Low	10 - 20 feet	Sapling																																																							
Black Spruce	Medium	Variable	Sapling																																																							
62	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	3.8	75	Unspecified	N/A	Lowland with upland. Previous inventory notes that aspen and birch dying or dead and down.																																																			
63	6233 - Wet Meadow	Nonstocked	2.4		Unspecified	No																																																				
64	622 - Lowland Shrub	Nonstocked	6.7		Unspecified	No	Lowland tag alder with spruce and tamarack.																																																			
65	4133 - Aspen, Mixed Pine	Sawtimber Well	5.1	83	Unspecified	N/A	High, steep, narrow ridge. Pockets of thicker RP, as well as scattered RP.																																																			
<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>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Log/Pole</td> <td>11</td> <td>83</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	20	Log/Pole	12		Bigtooth Aspen	80	Log/Pole	11	83	<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 Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	White Pine	Low	Variable	Sapling																												
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Pine	20	Log/Pole	12																																																							
Bigtooth Aspen	80	Log/Pole	11	83																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Pine	Low	Variable	Sapling																																																							
White Pine	Low	Variable	Sapling																																																							



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

66 6229 - Mixed lowland shrub Nonstocked 0.6 0 No

67 42210 - Natural Red Pine Sawtimber Poor 27.8 96 1-50 N/A

Two-aged stand. RP, Oak and WP residual over aspen, JP, RP regen. Rolling ridges. Sale #017-04-01 (Timberlost Timber). Stand not scarified.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	3	Pole	8		Red Pine	Low	5 - 10 feet	Sapling
White Pine	10	Log	10		Red Oak	Low	10 - 20 feet	Sapling
Red Pine	87	Log	12	96	Bigtooth Aspen	High	10 - 20 feet	Sapling
					Jack Pine	Low	5 - 10 feet	Sapling

68 622 - Lowland Shrub Nonstocked 1.3 No

69 6122 - Black Spruce Poletimber Well 12.6 111 Unspecified N/A

Semi-open lowland mix. South portion seems to be wetter with less canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole	7		Red Maple	Low	Variable	Sapling
Red Pine	5	Pole/Log	9		Northern White Cedar	Medium	5 - 10 feet	Sapling
Black Spruce	70	Pole	8	111	Mountain Holly	Low	< 5 feet	Tall Shrub
White Pine	5	Log/Pole	12					

70 42210 - Natural Red Pine Sawtimber Well 7.1 87 141-170 N/A

Occasional oak & white birch. Small pockets of JP. Semi-open areas. Rolling ridges, some steep.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Red Pine	65	Log/Pole	12	87	Red Maple	Low	Variable	Sapling
White Pine	5	Pole	8		White Spruce	Low	Variable	Sapling
Bigtooth Aspen	25	Log/Pole	12		White Pine	Low	Variable	Sapling
					Red Pine	Low	Variable	Sapling

72 429 - Mixed Upland Conifers Sawtimber Well 28.5 81 81-110 N/A

Some older Jack pine reaching mortality. High ridges, low ridges and swales.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	8		Red Maple	Medium	Variable	Sapling
Northern White Cedar	2	Pole	8		Black Spruce	Medium	Variable	Sapling
White Pine	15	Log/XLog/Pole	14		Balsam Fir	Medium	Variable	Sapling
Jack Pine	25	Log/Pole	10	81				
Red Maple	2	Pole	7					
Paper Birch	13	Pole	8					
Red Pine	18	Log/XLog	14					
White Spruce	15	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
73	6122 - Black Spruce	Sapling Medium	10.5	76	1-50	N/A	Treed bog. Majority of stunted spruce are tall saplings with infrequent pole sizes.																																																					
<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>Tamarack</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>92</td> <td>Sapling/Pole</td> <td>3</td> <td>76</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	2	Sapling	1		White Pine	2	Sapling	1		Jack Pine	2	Sapling	1		Red Pine	2	Sapling	1		Black Spruce	92	Sapling/Pole	3	76	<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>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Tamarack	2	Sapling	1																																																									
White Pine	2	Sapling	1																																																									
Jack Pine	2	Sapling	1																																																									
Red Pine	2	Sapling	1																																																									
Black Spruce	92	Sapling/Pole	3	76																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Black Spruce	Low	Variable	Sapling																																																									
74	6220 - Alder/willow	Nonstocked	5.3		Unspecified	No	Cheney Creek corridor.																																																					
75	4133 - Aspen, Mixed Pine	Poletimber Well	3.9	81		N/A	Small opening inclusion in bowl. Rolling ridges, some steep.																																																					
<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>3</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole/Log</td> <td>9</td> <td>81</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3	Pole	8		Jack Pine	2	Pole	8		Red Pine	15	Log/Pole	11		Bigtooth Aspen	80	Pole/Log	9	81	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	White Spruce	Low	Variable	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																								
White Pine	3	Pole	8																																																									
Jack Pine	2	Pole	8																																																									
Red Pine	15	Log/Pole	11																																																									
Bigtooth Aspen	80	Pole/Log	9	81																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Red Maple	Low	Variable	Sapling																																																									
White Pine	Low	Variable	Sapling																																																									
White Spruce	Low	Variable	Sapling																																																									
76	6224 - Treed Bog	Nonstocked	1.0			No																																																						
		<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>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	10 - 20 feet	Sapling																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Black Spruce	Medium	10 - 20 feet	Sapling																																																									
77	6122 - Black Spruce	Sapling Poor	1.5	86	1-50	N/A	Bog with black spruce.																																																					
<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>Tamarack</td> <td>30</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>86</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	30	Sapling	1		Black Spruce	70	Sapling	1	86																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Tamarack	30	Sapling	1																																																									
Black Spruce	70	Sapling	1	86																																																								
78	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	65.7	95	81-110	N/A	Some large RP scattered. Upland/transitional/low ridges/lowland swales. Variable stand. Aspen, birch and balsam dying create large canopy gaps in some areas. Occasional hemlock.																																																					
<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>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td>95</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	20	Log/Pole	10		White Spruce	10	Pole/Log	9		White Pine	2	Log	12		Red Pine	3	Log	12		Red Maple	25	Log/Pole	10		Black Spruce	10	Pole	8		Northern White Cedar	5	Pole/Log	8		Paper Birch	25	Log/Pole	10	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>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Sapling	Balsam Fir	High	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Quaking Aspen	20	Log/Pole	10																																																									
White Spruce	10	Pole/Log	9																																																									
White Pine	2	Log	12																																																									
Red Pine	3	Log	12																																																									
Red Maple	25	Log/Pole	10																																																									
Black Spruce	10	Pole	8																																																									
Northern White Cedar	5	Pole/Log	8																																																									
Paper Birch	25	Log/Pole	10	95																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Red Maple	High	Variable	Sapling																																																									
Balsam Fir	High	Variable	Sapling																																																									



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

79 6122 - Black Spruce Poletimber Well 12.2 105 Unspecified N/A Some upland and transitional ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	70	Pole	6	105	Red Maple	Low	Variable	Sapling
Northern White Cedar	4	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	6	Log	14					
Red Pine	10	Log/Pole	13					
Red Maple	4	Pole	6					
White Spruce	6	Pole	8					

80 6112 - Lowland Aspen Sawtimber Well 10.7 96 Unspecified N/A Large super canopy aspen, many dead. Low and transitional ground. Pockets of tag alder.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	2	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Red Maple	30	Log/Pole	10		Northern White Cedar	Low	5 - 10 feet	Sapling
Quaking Aspen	40	Log/XLog	16	96	Tag Alder	Medium	10 - 20 feet	Tall Shrub
White Spruce	2	Log/Pole	10		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
Balsam Fir	2	Log/Pole	10		Red Maple	High	Variable	Sapling
Paper Birch	24	Log/Pole	10					

81 6122 - Black Spruce Poletimber Medium 25.7 94 N/A Upland and lowland; ridges and bog

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	3	Log/Pole	10		Red Maple	Low	Variable	Sapling
Red Maple	3	Pole	8		Black Spruce	Medium	Variable	Sapling
Paper Birch	5	Pole	8					
Quaking Aspen	2	Log/Pole	10					
Black Spruce	70	Pole	8	94				
Northern White Cedar	2	Pole	6					
Red Pine	10	Log	14					
White Pine	5	Log	14					

82 4193 - Birch, Aspen Sawtimber Well 53.5 91 81-110 N/A Birch and aspen overtopping a thick balsam understory. Some of the aspen and birch reaching mortality. Good component of red maple within the canopy of varying size classes. Occasional red and white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Log/Pole	10		Red Maple	Medium	Variable	Sapling
Paper Birch	30	Log/Pole	10		Balsam Fir	High	Variable	Sapling
White Spruce	10	Pole	8					
White Pine	3	Log	14					
Red Pine	2	Log	14					
Quaking Aspen	30	Log/Pole	13	91				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
83	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	12.1	81	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		15	Log	12		Tag Alder	Medium	Variable	Tall Shrub
Paper Birch		40	Pole	8	81	Balsam Fir	High	Variable	Sapling
Black Spruce		5	Pole	6		Red Maple	Medium	Variable	Sapling
Red Maple		40	Pole	6					
84	4137 - Aspen, Birch	Sawtimber Well	43.7	85	81-110	N/A	Ridges within the stand. Stand data from previous inventory; edge verified.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		2	Pole	8		Red Maple	Medium	Variable	Sapling
Red Pine		2	Log	14		White Pine	Low	Variable	Sapling
Paper Birch		30	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
White Pine		3	Log	14		White Spruce	Low	Variable	Sapling
Bigtooth Aspen		50	Log	12	85				
White Spruce		3	Pole/Log	9					
Red Maple		10	Pole	8					
85	6120 - Lowland Cedar	Poletimber Medium	22.5	99		N/A	Cedar sweep and lean. Messy looking stand. Good cedar regen though. Variable size cedar 3" - 14" dbh. Edge call based on previous inventory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		85	Pole/Log/Sap	8	99	Tag Alder	High	Variable	Tall Shrub
White Pine		4	Log	14		Northern White Cedar	Medium	Variable	Sapling
Paper Birch		5	Pole	9		Balsam Fir	Medium	Variable	Sapling
Black Spruce		6	Pole	8					
86	500 - Water	Nonstocked	14.2			No	Beaver flooding		
87	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	7.3	91	Unspecified	N/A	Northeastern edge is an old logging grade with a flooding on the adjacent side. Mixed stand.		
88	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.4	95	111-140	N/A	Stand appears to have higher component of larger canopy individuals; mix of pine, hemlock, red maple and aspen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		25	Log/Pole	10	95	Red Maple	High	Variable	Sapling
White Spruce		8	Pole/Log	9		Balsam Fir	High	Variable	Sapling
Northern White Cedar		3	Pole/Log	8					
Black Spruce		5	Pole	8					
White Pine		2	Log	12					
Red Maple		28	Log/Pole	10	95				
Hemlock		3	Log	12					
Quaking Aspen		23	Log/Pole	10					
Red Pine		3	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
89	429 - Mixed Upland Conifers	Poletimber Well	7.9	97	51-80	N/A	Stand situated on top, bottom and mid-slope of ridge. Only the upper portion is pine, birch, aspen. Spruce with mix of other pole sized species everywhere else.																																																							
<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>Jack Pine</td><td>10</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>Red Maple</td><td>8</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Paper Birch</td><td>7</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Northern White Cedar</td><td>3</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Pine</td><td>10</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>13</td><td></td></tr> <tr><td>Black Spruce</td><td>55</td><td>Pole</td><td>9</td><td>97</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	10	Log/Pole	10		Red Maple	8	Pole	7		Paper Birch	7	Pole	8		Bigtooth Aspen	5	Pole	8		Northern White Cedar	3	Pole	8		Red Pine	10	Log/XLog	16		White Pine	2	Log/Pole	13		Black Spruce	55	Pole	9	97	<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>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	Variable	Sapling						
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Jack Pine	10	Log/Pole	10																																																											
Red Maple	8	Pole	7																																																											
Paper Birch	7	Pole	8																																																											
Bigtooth Aspen	5	Pole	8																																																											
Northern White Cedar	3	Pole	8																																																											
Red Pine	10	Log/XLog	16																																																											
White Pine	2	Log/Pole	13																																																											
Black Spruce	55	Pole	9	97																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Black Spruce	Medium	Variable	Sapling																																																											
90	42290 - Natural Mixed Pine	Sawtimber Poor	5.7	77	1-50	N/A	Stand serves as long term retention, split from the larger site that was harvested. Steep ridge up to top of creek bank. Variable stand from open jack pine to Fs/RP/JP with thick Fs/Fb understory.																																																							
<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>Hemlock</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Paper Birch</td><td>1</td><td>Log/Pole</td><td>10</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>White Pine</td><td>50</td><td>Log</td><td>12</td><td>77</td></tr> <tr><td>Jack Pine</td><td>3</td><td>Log/Pole</td><td>10</td><td>77</td></tr> <tr><td>Red Pine</td><td>40</td><td>Log/XLog</td><td>16</td><td></td></tr> <tr><td>Red Maple</td><td>2</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	2	Log/Pole	12		Paper Birch	1	Log/Pole	10		White Spruce	2	Pole	8		White Pine	50	Log	12	77	Jack Pine	3	Log/Pole	10	77	Red Pine	40	Log/XLog	16		Red Maple	2	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>Red Maple</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Balsam Fir	Low	Variable	Sapling	White Spruce	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Hemlock	2	Log/Pole	12																																																											
Paper Birch	1	Log/Pole	10																																																											
White Spruce	2	Pole	8																																																											
White Pine	50	Log	12	77																																																										
Jack Pine	3	Log/Pole	10	77																																																										
Red Pine	40	Log/XLog	16																																																											
Red Maple	2	Pole	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	Variable	Sapling																																																											
Balsam Fir	Low	Variable	Sapling																																																											
White Spruce	Low	Variable	Sapling																																																											
91	42290 - Natural Mixed Pine	Sawtimber Medium	2.7	81	111-140	N/A	Buffer left from harvest of stand 42. Jack pine, spruce, red and white pine.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>White Pine</td><td>20</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Jack Pine</td><td>45</td><td>Pole</td><td>8</td><td>81</td></tr> <tr><td>Black Spruce</td><td>35</td><td>Pole</td><td>8</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Pole/Log	9		Jack Pine	45	Pole	8	81	Black Spruce	35	Pole	8																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	20	Pole/Log	9																																																											
Jack Pine	45	Pole	8	81																																																										
Black Spruce	35	Pole	8																																																											
92	6122 - Black Spruce	Sapling Medium	0.9	60		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>Tamarack</td><td>30</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Black Spruce</td><td>60</td><td>Sapling/Pole</td><td>1</td><td>60</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	30	Sapling	1		Red Maple	10	Sapling	1		Black Spruce	60	Sapling/Pole	1	60																																									
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Tamarack	30	Sapling	1																																																											
Red Maple	10	Sapling	1																																																											
Black Spruce	60	Sapling/Pole	1	60																																																										
93	622 - Lowland Shrub	Nonstocked	1.9		Unspecified	No	Lowland tag alder and spruce/tamarack.																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
94	6118 - Lowland Deciduous with Cedar	Sawtimber Well	6.9	75	Unspecified	N/A	Smaller diameters than the stand to the north.																																																			
<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>Paper Birch</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>25</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>2</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log/Pole</td> <td>11</td> <td>75</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	10	Pole	8		Paper Birch	20	Log/Pole	12		Northern White Cedar	25	Log/Pole	12		White Pine	3	Log/XLog	16		Hemlock	2	Log	13		Red Maple	40	Log/Pole	11	75	<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>10 - 20 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	10 - 20 feet	Tall Shrub	Balsam Fir	Medium	Variable	Sapling	Hemlock	Low	Variable	Sapling	Northern White Cedar	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Black Spruce	10	Pole	8																																																							
Paper Birch	20	Log/Pole	12																																																							
Northern White Cedar	25	Log/Pole	12																																																							
White Pine	3	Log/XLog	16																																																							
Hemlock	2	Log	13																																																							
Red Maple	40	Log/Pole	11	75																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Tag Alder	Medium	10 - 20 feet	Tall Shrub																																																							
Balsam Fir	Medium	Variable	Sapling																																																							
Hemlock	Low	Variable	Sapling																																																							
Northern White Cedar	Low	Variable	Sapling																																																							
96	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	8.2	96	81-110	N/A	Upland narrow ridge with white pine and red pine scattered on ridge. Scattered standing snags.																																																			
97	622 - Lowland Shrub	Nonstocked	0.3			No	Low shrubs and grass/sedge w/ black spruce saplings																																																			
98	42210 - Natural Red Pine	Sawtimber Medium	5.5	94	1-50	N/A	Stand was is the long term retention resulting from the adjacent stand. Harvested via clearcut w/ Reserves in 2018 as part of Lost Metsa, #42-001-15. Patch retention for the whole sale is mostly located within this stand.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>18</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>82</td> <td>Log/Pole</td> <td>13</td> <td>94</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	18	Log/Pole	12		Red Pine	82	Log/Pole	13	94																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																						
White Pine	18	Log/Pole	12																																																							
Red Pine	82	Log/Pole	13	94																																																						
99	6224 - Treed Bog	Nonstocked	5.8	0		No	Mostly a treed bog. Some merchantable timber scattered throughout on included upland narrow ridges. WP and RP scattered on ridges too. Scattered standing snags.																																																			
101	42290 - Natural Mixed Pine	Poletimber Medium	3.9	96	81-110	N/A	Upland narrow ridge with white pine and red pine scattered on ridge. Scattered standing snags.																																																			
<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>45</td> <td>Log</td> <td>11</td> <td>96</td> </tr> <tr> <td>White Pine</td> <td>40</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>12</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>3</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	45	Log	11	96	White Pine	40	Log	12		Jack Pine	12	Log	11		Paper Birch	3	Log/Pole	12																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Pine	45	Log	11	96																																																						
White Pine	40	Log	12																																																							
Jack Pine	12	Log	11																																																							
Paper Birch	3	Log/Pole	12																																																							
102	6125 - Lowland Black Spruce, Jack Pine	Sapling Poor	9.6	78	Unspecified	N/A	Sapling/pole boggy stand. Variable diameters.																																																			
<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>Jack Pine</td> <td>40</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>40</td> <td>Sapling/Pole</td> <td>4</td> <td>78</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	40	Sapling/Pole	4		White Pine	5	Sapling/Pole	4		Tamarack	15	Sapling/Pole	4		Black Spruce	40	Sapling/Pole	4	78	<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>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	Variable	Sapling	Black Spruce	Low	Variable	Sapling	Tamarack	Low	Variable	Sapling	White Pine	Low	Variable	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Jack Pine	40	Sapling/Pole	4																																																							
White Pine	5	Sapling/Pole	4																																																							
Tamarack	15	Sapling/Pole	4																																																							
Black Spruce	40	Sapling/Pole	4	78																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Jack Pine	Low	Variable	Sapling																																																							
Black Spruce	Low	Variable	Sapling																																																							
Tamarack	Low	Variable	Sapling																																																							
White Pine	Low	Variable	Sapling																																																							