



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32042

Entry Year 2023

Acreage: 1,219

County Marquette

Management Area: Chain Lakes Moraine

Revision Date: 2021-08-03

Stand Examiner: Peter Holodnick

Legal Description:

T44N R25W Section 7, 8, 9

Identified Planning Goals:

To maintain and enhance forest health and sustainability, while providing for wildlife, fisheries and recreational needs.

Soil and topography:

Lowland grounds of Carbondale-Tawas and Greenwood-Dawson mucks, with higher grounds around Co Rd 557 of Croswell and Rubicon sands transitioning into Croswell-Deford and AuGres-Deford further east.

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

Mainly State ownership, although there are private parcels and camps scattered within, as well as adjacent. Fairly heavy recreational use, due to Anderson Lake campground and cross-country ski trail.

Unique Natural Features:

Potential for osprey, eagle, and great blue heron rookery. Potential for red-shouldered hawk and goshawk. Potential for loon in Greenier Lake, Flack Lake, and Anderson Lake. Potential for moose and wolf. Potential for wood turtle in Escanaba River. Potential for frigga fritillary, freija fritillary, and red-disked alpine in bogs. Potential for round-leaved orchis, calypso, ram's head lady's slipper, marsh grass-of-Parnassass, and limestone oak fern in Cedar Swamps. Potential for auricled tway-blade, western dock, veiny meadow-rue, and linear-leaved gentian along riparian areas. Potential for Farwell's water-milfoil and alternate-leaved water-milfoil in shallow lakes. Potential for purple clematis in dry-mesic conifer stands.

Archeological, Historical, and Cultural Features:

none identified

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains several waterbodies including Anderson Lake, Greenier Lake, and the Main Branch of the Escanaba River. The Main Branch of the Escanaba River is designated a Type 1 trout stream greater than 50' width and has predicted mean July temperature of 69.6 °F (cool stream). 100' plus 5' per 1% increase in slope; buffers are recommended for the Main Branch of the Escanaba River to protect riparian areas in accordance with Best Management Practices. For the two inland waterbodies (Anderson Lake and Greenier Lake), 100' plus 5' per 1% increase in slope; buffers are recommended to protect inland lake shoreland areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 042 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist primarily of peat and muck and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. The Cambrian Trempealeau and Munising Formations subcrop

below the glacial drift. The Trempealeau could be used for stone. Gravel pits are located two miles to the north, and there appears to be limited potential. Abandoned iron mines are located three miles to the north, but this compartment has never been leased. There is no economic oil and gas production in the UP.

Vehicle Access:

good via Co Rd 557, with few interior roads present. Access into section 9 is from the Muehrcke Road to the north.

Survey Needs:

Recreational Facilities and Opportunities:

Anderson Lake cross-country ski trail, Flacks Lake nature trail, and access to Anderson Lake campground and boat launch.

Fire Protection:

Fire risk is relatively low, although intensive recreational use in and around Anderson Lake creates a higher risk of human-caused fires. Lightning caused fires could create potential suppression difficulties, due to interior access problems.

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**

Report 1 – Total Acres by Cover Type and Age Class

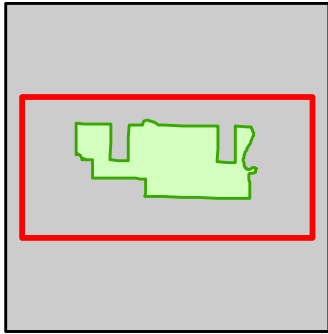


Age Class

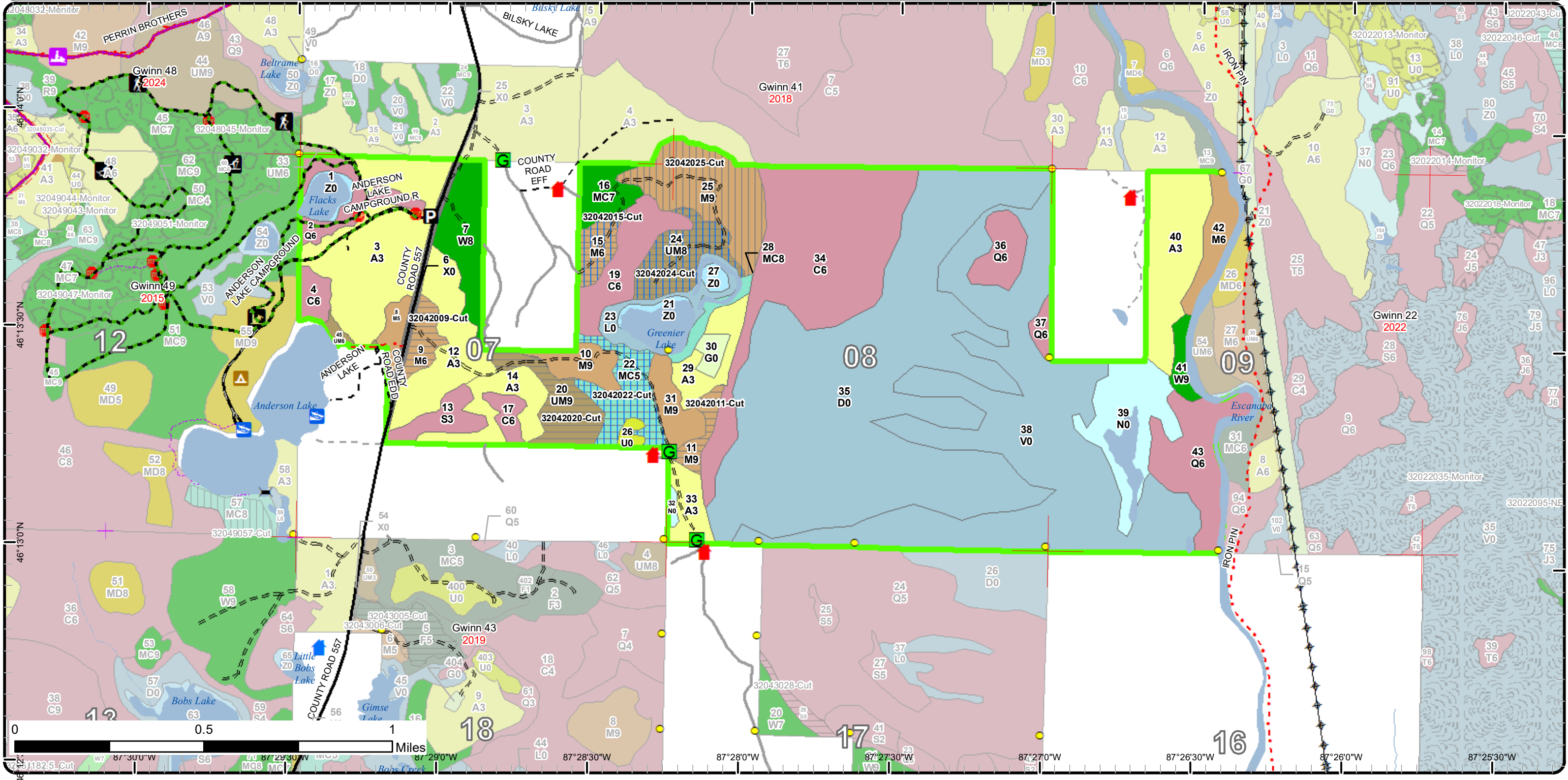
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	64	0	61	58	0	0	0	0	0	0	0	0	0	0	0	0	0	183
Bog	202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	202
Cedar	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	7	106	143
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	18	0	0	0	16	37	0	0	0	0	0	71
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Marsh	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Natural Mixed Pines	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	0	0	0	0	0	0	74	0	10	0	0	0	0	0	0	30	113
Treed Bog	285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	284
Upland Conifers	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	6	28
Upland Mixed Forest	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	20	44
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
White Pine	0	0	0	0	0	0	24	0	0	0	0	7	0	0	0	0	0	0	31
Total	581	64	0	61	58	0	0	24	43	109	11	56	44	0	0	0	7	162	1217

Cover Type & Treatments Map

Compartment: 42
 T44N, R25W, Sec: 07, 08, 09
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2023
 Acres: 1218.6 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/20/2021
 Map Phase: Review

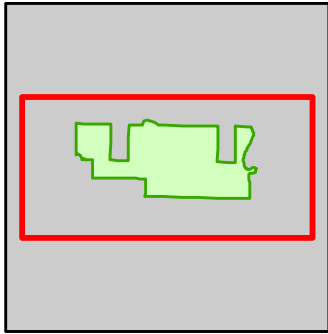


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Cabin
- House
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Campground
- Parking Lot
- Sign
- Trailhead
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Non-Designated Recreational Trail
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



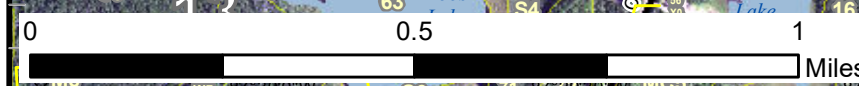
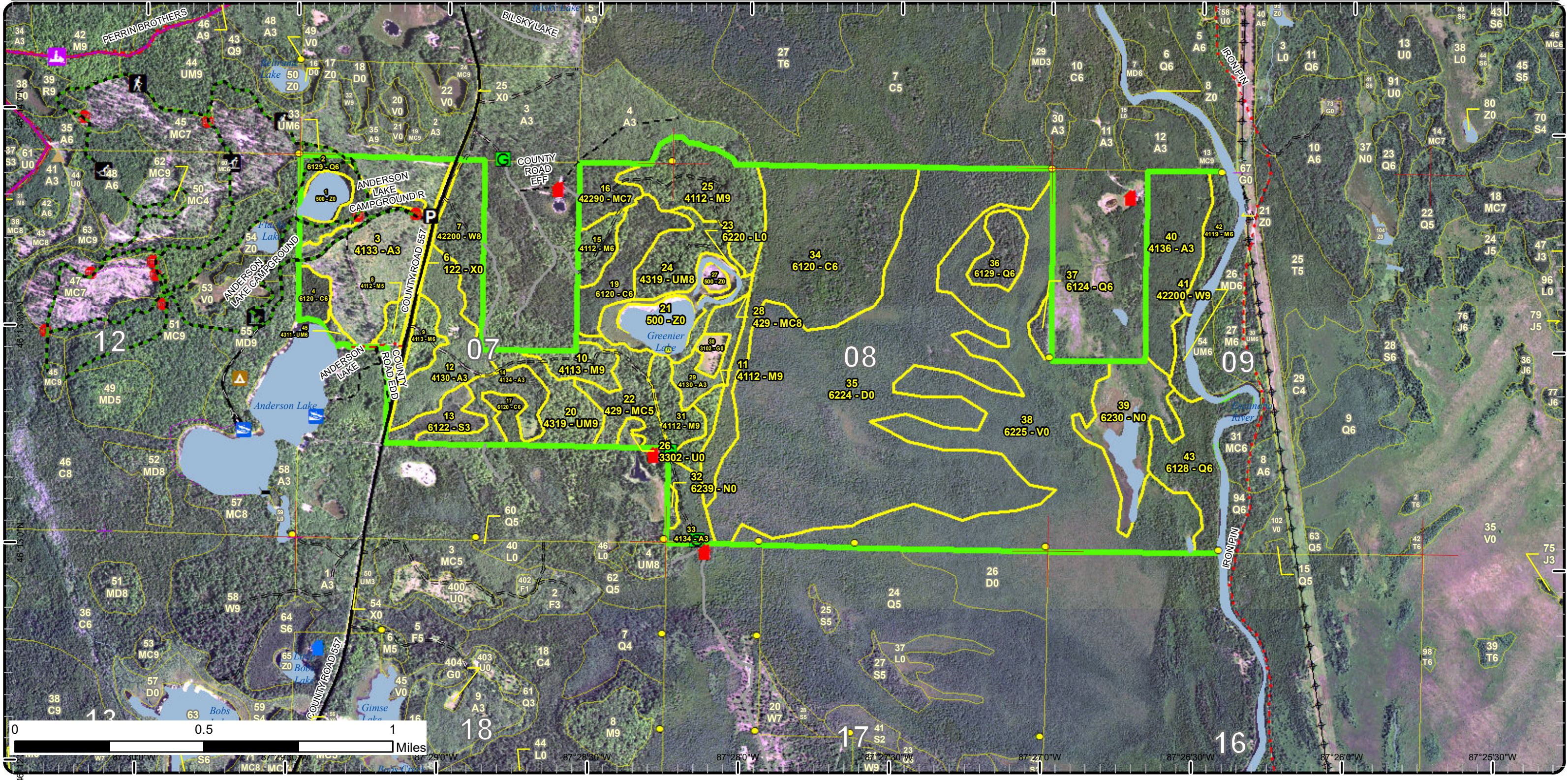
Stand Boundary Map

Compartment: 42
 T44N, R25W, Sec: 07, 08, 09
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2023
 Acres: 1218.6 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/20/2021
 Map Phase: Review



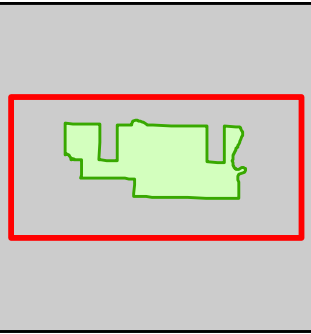
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Cabin
- House
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Campground
- P Parking Lot
- Sign
- * Trailhead
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Non-Designated Recreational Trail
- Compartment Boundary
- Stand Boundaries

- 411 - Northern Hardwood
- 413 - Aspen
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 110 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

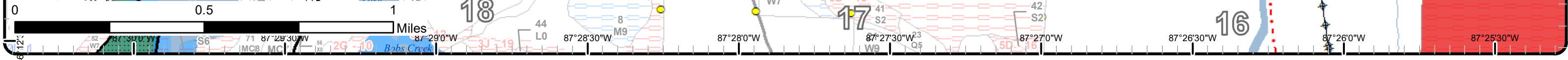
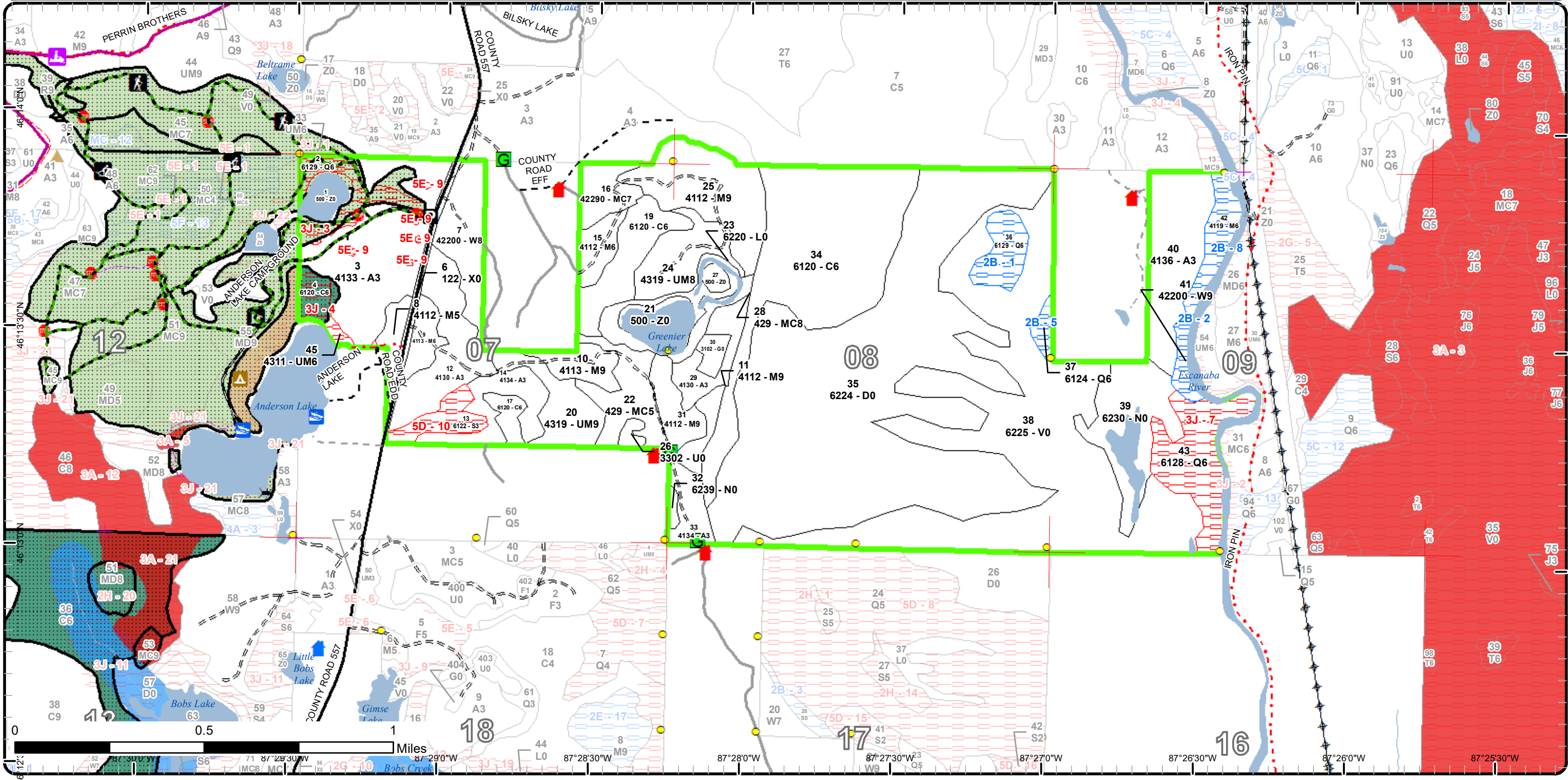


Special Conservation Areas

Compartment: 42
 T44N, R25W, Sec: 07, 08, 09
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2023
 Acres: 1218.6 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/20/2021
 Map Phase: Review



- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Cabin
- House
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Campground
- Parking Lot
- Sign
- Trailhead
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Non-Designated Recreational Trail
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- State Forest Campground
- Habitat Corridor
- Recreational/Scenic Value Area





Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 42
Total Compartment Acres: 1,219

Commercial Harvest - 132
Harvests with Site Condition - 0
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
Northern Hardwood	16	0	0	10	42	0	0	0	0	67
Upland Conifers	0	0	0	22	0	0	0	0	0	22
Upland Mixed Forest	20	0	0	22	0	0	0	0	0	42
Total	36	0	0	54	42	0	0	0	0	132

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	132	0	0	0	0	0	0	0	0	132
Next Step	0	71	36	36	0	0	132	0	0	274
Total	132	71	36	36	0	0	132	0	0	406



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

Proposed Treatments:

9	32042009-Cut	8.7	4113 - R.Maple, Conifer	Poletimber Well	86	111-140	Harvest	Clearcut	411 - Northern Hardwood	Even-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine, Oak, Sugar maple, black Cherry and Yellow Birch. No retention due to small size.											
<u>Specs:</u>											
<u>Next Step Treatments:</u> SitePrep, Trenching; Seeding, Machine Seed; SitePrep, Roller Chopping; Monitoring, Direct Seeding; Planting, Initial Plant											
<u>Acceptable Regen:</u> Any tree species currently in the overstory will be acceptable.											
<u>Other Comment:</u> Roller Chop and seed Jack Pine. No herbicide is to be used because of purchased lands.											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2022											
11	32042011-Cut	6.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	93	51-80	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine and Red Pine. No retention due to small size.											
<u>Specs:</u>											
<u>Next Step Treatments:</u> SitePrep, Trenching; SitePrep, Roller Chopping; Seeding, Machine Seed; Monitoring, Direct Seeding; Planting, Initial Plant											
<u>Acceptable Regen:</u> Jack Pine											
<u>Other Comment:</u> Roller Chop and seed Jack Pine. No herbicide is to be used because of purchased lands.											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2022											
15	32042015-Cut	9.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	100	111-140	Harvest	Seed Tree with Retention	411 - Northern Hardwood	Uneven-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine and Yellow Birch. Green tree a few large wildlife trees. No retention due to small size.											
<u>Specs:</u>											
<u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Acceptable Regen:</u> Any tree species currently in the overstory will be acceptable.											
<u>Other Comment:</u> In the past this has been managed like a Shelterwood however there is no maple regeneration coming in. By clearcutting we should get more red maple stump sprouts. Very poor quality maple.											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2022											

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
20 32042020-Cut	20.1	4319 - Mixed Upland Forest	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine and Red Pine. No retention because of cultivation activities.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Direct Seeding; SitePrep, Trenching; SitePrep, Roller Chopping; Seeding, Machine Seed; Planting, Initial Plant										
<u>Treatments:</u>										
<u>Acceptable</u> Any tree species currently in the overstory is acceptable.										
<u>Regen:</u>										
<u>Other</u> Roller Chop and seed Jack Pine. No herbicide is to be used because of purchased lands.										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
22 32042022-Cut	22.4	429 - Mixed Upland Conifers	Poletimber Medium	85	51-80	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Uneven-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine, Yellow Birch and Black Cherry. Leave 3-10% retention.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> All tree species currently in the overstory will be acceptable.										
<u>Regen:</u>										
<u>Other</u> By harvesting with a seed tree it would promote more mid tolerant species for diversity, some stump sprouting of maple and regeneration of										
<u>Comment:</u> maple.										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
24 32042024-Cut	22.0	4319 - Mixed Upland Forest	Sawtimber Medium	76	111-140	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Uneven-Aged	No
<u>Prescription</u> Cut all but Hemlock, Cedar, White Pine, Yellow Birch and Black Cherry. Leave 3-10% retention.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Any tree species currently in the overstory will be acceptable.										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										
25 32042025-Cut	41.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	85	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Two-Aged	No
<u>Prescription</u> Mark to between 40-60 square feet. No cut Hemlock, Cedar, Yellow Birch, White Pine and Black Cherry. In those areas that have more										
<u>Specs:</u> defect mark heavier. Leave 3-10% retention on the edge.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Any tree species currently in the overstory is acceptable.										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2022										



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

Total Treatment Acreage Proposed: 131.7

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 42

Peter Holodnick : Examiner

Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2B	3J	5D	5E
183	183	0	1	Aspen		0		1
202	202	0	0	Bog				
143	136	0	7	Cedar		7		
4	4	0	0	Herbaceous Openland				
3	3	0	0	Low-Density Trees				
70	0	18	53	Lowland Conifers	18	53		
14	14	0	0	Lowland Shrub				
11	0	0	11	Lowland Spruce/Fir			11	
40	40	0	0	Marsh				
13	13	0	0	Natural Mixed Pines				
114	97	16	0	Northern Hardwood	16			
284	284	0	0	Treed Bog				
28	28	0	0	Upland Conifers				
45	42	0	2	Upland Mixed Forest		2		
9	9	0	0	Urban				
24	24	0	0	Water				
31	24	7	0	White Pine	7			
1,219	1,104	41	74	Total Forested Acres	41	62	11	1
	91%	3%	6%	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	Available	2B: Unknown if access through adjacent landowner(s) is possible	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 42

Peter Holodnick : Examiner

Year of Entry: 2023

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: SCA = riparian protection of Escanaba River and Sawmill Creek. Maintain large closed canopy conifer for snow intercept and thermal protection. Provide forest structure in the form of standing and dead and down coarse woody debris.</p>							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	37	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: SCA - Wildlife corridor and riparian protection of Escanaba River and Sawmill Creek watersheds. Maintain large closed canopy conifer for snow intercept and thermal protection. Provide forest structure in the form of standing and dead and down coarse woody debris.</p>							
8	Available	2B: Unknown if access through adjacent landowner(s) is possible	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: SCA = Wildlife corridor and riparian protection along Escanaba River. Maintain large closed canopy conifer for snow intercept and thermal protection. Provide forest structure in the form of standing and dead and down coarse woody debris.</p>							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 42

Peter Holodnick: Examiner

Year of Entry: 2023

9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: LTR for stand 3.							
10	Unavailable	5D: Unproductive Forest Land	11	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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



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

1 500 - Water Nonstocked 8.9 Unspecified No Flacks Lake

2 6129 - Mixed Coniferous Lowland Forest Poletimber Well 15.6 107 81-110 N/A Surrounds Flacks Lake; the cross-country ski trail runs through this stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole	8		Balsam Fir	Medium	Variable	Sapling
Paper Birch	4	Pole	9		Black Spruce	High	Variable	Sapling
Quaking Aspen	2	Pole/Log	10	87	White Pine	Low	>20 feet	Sapling
Bigtooth Aspen	2	Pole/Log	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	12	Pole	8		Labrador Tea	Full	< 5 feet	Tall Shrub
Black Spruce	30	Pole	7	107				
Northern White Cedar	2	Pole	8					
Tamarack	10	Pole/Log	9					
White Pine	18	Log/XLog	18					
Red Pine	16	Log/XLog	14					

3 4133 - Aspen, Mixed Pine Sapling Well 64.2 7 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	1	7	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Paper Birch	15	Sapling	1	7				
Quaking Aspen	20	Sapling	1	7				
Bigtooth Aspen	20	Sapling	1	7				
Balsam Fir	2	Sapling	1	7				
White Spruce	2	Log	14					
Black Spruce	2	Sapling	1	7				
White Pine	5	XLog	18	87				
Red Pine	4	Log/XLog	16					
White Pine	20	Sapling	2	26				

Heavy deer browse on 3 - 5' red maple regeneration within. Close proximity to and access to Anderson Lake S.F. Campground. Sysol conducted field exam. Trailhead for Anderson Lake Pathway located at Co Rd 557. The forest road passing through stand is the access road for Anderson Lake State Forest Campground.

4 6120 - Lowland Cedar Poletimber Well 6.8 173 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Pole	7		Balsam Fir	Low	< 5 feet	Seeding
Northern White Cedar	90	Pole	7	173	Northern White Cedar	Low	10 - 20 feet	Sapling
Tamarack	8	Pole	7					

6 122 - Road/Parking Lot Nonstocked 9.1 Unspecified No Co Rd 557 and R.O.W.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
7	42200 - Natural White Pine	Sawtimber Medium	24.4	63	51-80	N/A	"Flacks Lake Aspen" #018-93 - cut Su, 1993. Wait until the aspen gets bigger to cut.																																																															
<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>4</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Quaking Aspen</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Balsam Fir</td><td>4</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>White Spruce</td><td>4</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>White Pine</td><td>76</td><td>Log/Pole</td><td>16</td><td>63</td></tr> <tr><td>Red Pine</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	4	Pole/Sapling	6		Quaking Aspen	2	Pole/Log	9		Balsam Fir	4	Pole	7		White Spruce	4	Pole/Log	9		White Pine	76	Log/Pole	16	63	Red Pine	10	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>Paper Birch</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Quaking Aspen</td><td>High</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Spruce</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Pine</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	>20 feet	Sapling	Quaking Aspen	High	>20 feet	Sapling	Balsam Fir	Medium	Variable	Sapling	White Spruce	Medium	Variable	Sapling	White Pine	Medium	Variable	Sapling	Red Pine	Medium	Variable	Sapling	Maple (spp.)	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Red Maple	4	Pole/Sapling	6																																																																			
Quaking Aspen	2	Pole/Log	9																																																																			
Balsam Fir	4	Pole	7																																																																			
White Spruce	4	Pole/Log	9																																																																			
White Pine	76	Log/Pole	16	63																																																																		
Red Pine	10	Log/Pole	12																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Paper Birch	Low	>20 feet	Sapling																																																																			
Quaking Aspen	High	>20 feet	Sapling																																																																			
Balsam Fir	Medium	Variable	Sapling																																																																			
White Spruce	Medium	Variable	Sapling																																																																			
White Pine	Medium	Variable	Sapling																																																																			
Red Pine	Medium	Variable	Sapling																																																																			
Maple (spp.)	Medium	10 - 20 feet	Sapling																																																																			
8	4112 - Maple, Beech, Cherry Association	Poletimber Medium	6.5	86	81-110	N/A	"Greenier Lake Hardwoods" #005-03 (unit 1) - cut Su, 2006. Spruce budworm damage is bad.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>10</td><td>Pole/Sapling</td><td>7</td><td></td></tr> <tr><td>Red Maple</td><td>82</td><td>Pole/Sap/Log</td><td>7</td><td>86</td></tr> <tr><td>Paper Birch</td><td>2</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Pole/Sapling</td><td>6</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	Sugar Maple	10	Pole/Sapling	7		Red Maple	82	Pole/Sap/Log	7	86	Paper Birch	2	Pole	9		Balsam Fir	2	Pole/Sapling	6		White Spruce	2	Pole/Sapling	6		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>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	5 - 10 feet	Sapling	Maple (spp.)	Low	Variable	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Sugar Maple	10	Pole/Sapling	7																																																																			
Red Maple	82	Pole/Sap/Log	7	86																																																																		
Paper Birch	2	Pole	9																																																																			
Balsam Fir	2	Pole/Sapling	6																																																																			
White Spruce	2	Pole/Sapling	6																																																																			
White Pine	2	Log	14																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Quaking Aspen	Low	5 - 10 feet	Sapling																																																																			
Maple (spp.)	Low	Variable	Sapling																																																																			
9	4113 - R.Maple, Conifer	Poletimber Well	8.7	86	111-140	N/A	"Greenier Lake Hardwoods" #005-03 (unit 1) - cut Su, 2006. lot of spruce budworm damage to the Fir. It would be nice to get more hardwood regeneration. A shelterwood cut is being prescribed for inventory 2023 so make sure to take the top off at some point.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>15</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Red Maple</td><td>75</td><td>Log/Pole</td><td>10</td><td>86</td></tr> <tr><td>Red Oak</td><td>2</td><td>Log</td><td>12</td><td></td></tr> <tr><td>Paper Birch</td><td>2</td><td>Pole</td><td>9</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Pole</td><td>10</td><td></td></tr> <tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>Hemlock</td><td>2</td><td>Log</td><td>12</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	15	Pole	8		Red Maple	75	Log/Pole	10	86	Red Oak	2	Log	12		Paper Birch	2	Pole	9		White Spruce	2	Pole	10		White Pine	2	Log/Pole	14		Hemlock	2	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>Full</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Leatherwood</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Serviceberry (Juneberry)</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Hazelnut (American)</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Full	Variable	Sapling	White Pine	Low	10 - 20 feet	Sapling	Leatherwood	Low	< 5 feet	Tall Shrub	Serviceberry (Juneberry)	Low	>20 feet	Sapling	Hazelnut (American)	Low	< 5 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Balsam Fir	15	Pole	8																																																																			
Red Maple	75	Log/Pole	10	86																																																																		
Red Oak	2	Log	12																																																																			
Paper Birch	2	Pole	9																																																																			
White Spruce	2	Pole	10																																																																			
White Pine	2	Log/Pole	14																																																																			
Hemlock	2	Log	12																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Balsam Fir	Full	Variable	Sapling																																																																			
White Pine	Low	10 - 20 feet	Sapling																																																																			
Leatherwood	Low	< 5 feet	Tall Shrub																																																																			
Serviceberry (Juneberry)	Low	>20 feet	Sapling																																																																			
Hazelnut (American)	Low	< 5 feet	Tall Shrub																																																																			
10	4113 - R.Maple, Conifer	Sawtimber Well	11.2	88	81-110	N/A	"Anderson Lake Mix Block" sale # 019-93 (unit 1) - cut F, 1994 and Su, 1995. It would be nice to get more hardwood regeneration. The spruce budworm damage is bad. A shelterwood cut is being prescribed for inventory 2023 so make sure to take the top off at some point.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>20</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Red Maple</td><td>58</td><td>Log/Pole</td><td>12</td><td>88</td></tr> <tr><td>Yellow Birch</td><td>2</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Balsam Fir</td><td>8</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Northern White Cedar</td><td>6</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>White Pine</td><td>3</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Hemlock</td><td>3</td><td>Log/XLog</td><td>14</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	20	Pole/Log	8		Red Maple	58	Log/Pole	12	88	Yellow Birch	2	XLog	20		Balsam Fir	8	Pole	7		Northern White Cedar	6	Pole/Log	9		White Pine	3	XLog	20		Hemlock	3	Log/XLog	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>Yellow Birch</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Blackberry/Raspberry</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Yellow Birch	Low	10 - 20 feet	Sapling	Balsam Fir	High	Variable	Sapling	White Pine	Low	10 - 20 feet	Sapling	Maple (spp.)	Medium	10 - 20 feet	Sapling	Blackberry/Raspberry	Low	< 5 feet	Tall Shrub			
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Sugar Maple	20	Pole/Log	8																																																																			
Red Maple	58	Log/Pole	12	88																																																																		
Yellow Birch	2	XLog	20																																																																			
Balsam Fir	8	Pole	7																																																																			
Northern White Cedar	6	Pole/Log	9																																																																			
White Pine	3	XLog	20																																																																			
Hemlock	3	Log/XLog	14																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Yellow Birch	Low	10 - 20 feet	Sapling																																																																			
Balsam Fir	High	Variable	Sapling																																																																			
White Pine	Low	10 - 20 feet	Sapling																																																																			
Maple (spp.)	Medium	10 - 20 feet	Sapling																																																																			
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																						
11	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.8	93	51-80	N/A	The long term goal of this stand is to plant one rotation of Jack Pine and then letting it go back into a natural stand next rotation. "Greenier Lake South Block" #033-83 (unit 3) - cut Su, 1986 and "Greenier Lake Hardwoods" #005-03 (unit 3) - cut Su, 2006.																																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>29</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Red Maple</td><td>55</td><td>Log/Pole</td><td>12</td><td>93</td></tr> <tr><td>Yellow Birch</td><td>2</td><td>Log</td><td>14</td><td></td></tr> <tr><td>Paper Birch</td><td>2</td><td>Pole/Log</td><td>10</td><td></td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Northern White Cedar</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>White Pine</td><td>4</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Hemlock</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	29	Pole/Log	9		Red Maple	55	Log/Pole	12	93	Yellow Birch	2	Log	14		Paper Birch	2	Pole/Log	10		Balsam Fir	2	Pole	7		White Spruce	2	Pole/Log	9		Northern White Cedar	2	Pole/Log	9		White Pine	4	XLog	20		Hemlock	2	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>Balsam Fir</td><td>Medium</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>Maple (spp.)</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Blackberry/Raspberry</td><td>Medium</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Hazelnut (American)</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	White Pine	Low	Variable	Sapling	Maple (spp.)	Medium	10 - 20 feet	Sapling	Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Sugar Maple	29	Pole/Log	9																																																																										
Red Maple	55	Log/Pole	12	93																																																																									
Yellow Birch	2	Log	14																																																																										
Paper Birch	2	Pole/Log	10																																																																										
Balsam Fir	2	Pole	7																																																																										
White Spruce	2	Pole/Log	9																																																																										
Northern White Cedar	2	Pole/Log	9																																																																										
White Pine	4	XLog	20																																																																										
Hemlock	2	Log/Pole	12																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Balsam Fir	Medium	Variable	Sapling																																																																										
White Pine	Low	Variable	Sapling																																																																										
Maple (spp.)	Medium	10 - 20 feet	Sapling																																																																										
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub																																																																										
Hazelnut (American)	Low	< 5 feet	Tall Shrub																																																																										
12	4130 - Aspen	Sapling Well	32.6	34	Unspecified	N/A	"Greenier Lake South Block" sale #033-83 (unit 1) - cut May-June, 1986																																																																						
<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>4</td><td></td></tr> <tr><td>Quaking Aspen</td><td>92</td><td>Sapling/Pole</td><td>4</td><td>34</td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Sapling/Pole</td><td>5</td><td></td></tr> <tr><td>White Spruce</td><td>2</td><td>Log</td><td>14</td><td></td></tr> <tr><td>White Pine</td><td>2</td><td>XLog</td><td>20</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	2	Sapling	4		Quaking Aspen	92	Sapling/Pole	4	34	Balsam Fir	2	Sapling/Pole	5		White Spruce	2	Log	14		White Pine	2	XLog	20		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>Medium</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	>20 feet	Sapling	White Pine	Low	10 - 20 feet	Sapling	Maple (spp.)	Medium	10 - 20 feet	Sapling																												
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Paper Birch	2	Sapling	4																																																																										
Quaking Aspen	92	Sapling/Pole	4	34																																																																									
Balsam Fir	2	Sapling/Pole	5																																																																										
White Spruce	2	Log	14																																																																										
White Pine	2	XLog	20																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Balsam Fir	Medium	>20 feet	Sapling																																																																										
White Pine	Low	10 - 20 feet	Sapling																																																																										
Maple (spp.)	Medium	10 - 20 feet	Sapling																																																																										
13	6122 - Black Spruce	Sapling Well	11.3	92	Unspecified	N/A	Mainly black spruce swamp, with slightly high ground containing 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>Black Spruce</td><td>80</td><td>Sapling/Pole</td><td>4</td><td>92</td></tr> <tr><td>White Pine</td><td>8</td><td>Log/XLog/Pole</td><td>20</td><td></td></tr> <tr><td>Red Pine</td><td>12</td><td>Log/XLog</td><td>16</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	80	Sapling/Pole	4	92	White Pine	8	Log/XLog/Pole	20		Red Pine	12	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>Paper Birch</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Black Spruce</td><td>Medium</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Tamarack</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Red Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Labrador Tea</td><td>Full</td><td>< 5 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	10 - 20 feet	Sapling	Black Spruce	Medium	< 5 feet	Seeding	Tamarack	Low	10 - 20 feet	Sapling	White Pine	Medium	10 - 20 feet	Sapling	Red Pine	Low	10 - 20 feet	Sapling	Labrador Tea	Full	< 5 feet	Tall Shrub																										
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Black Spruce	80	Sapling/Pole	4	92																																																																									
White Pine	8	Log/XLog/Pole	20																																																																										
Red Pine	12	Log/XLog	16																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Paper Birch	Low	10 - 20 feet	Sapling																																																																										
Black Spruce	Medium	< 5 feet	Seeding																																																																										
Tamarack	Low	10 - 20 feet	Sapling																																																																										
White Pine	Medium	10 - 20 feet	Sapling																																																																										
Red Pine	Low	10 - 20 feet	Sapling																																																																										
Labrador Tea	Full	< 5 feet	Tall Shrub																																																																										
14	4134 - Aspen, Spruce/Fir	Sapling Well	19.2	24	81-110	N/A	"Anderson Lake Mix Block" sale #019-93 (unit 2) - cut Su, 1995.																																																																						
<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>3</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Yellow Birch</td><td>3</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Paper Birch</td><td>6</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Quaking Aspen</td><td>55</td><td>Sapling</td><td>2</td><td>24</td></tr> <tr><td>Balsam Fir</td><td>10</td><td>Sapling/Pole</td><td>2</td><td></td></tr> <tr><td>Black Spruce</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>White Pine</td><td>5</td><td>XLog</td><td>22</td><td></td></tr> <tr><td>Red Pine</td><td>5</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Black Cherry</td><td>3</td><td>Sapling</td><td>2</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	3	Sapling	2		Yellow Birch	3	Sapling	2		Paper Birch	6	Sapling	2		Quaking Aspen	55	Sapling	2	24	Balsam Fir	10	Sapling/Pole	2		Black Spruce	10	Sapling	1		White Pine	5	XLog	22		Red Pine	5	XLog	20		Black Cherry	3	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>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Tamarack</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Red Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Tamarack	Low	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling	Red Pine	Low	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Red Maple	3	Sapling	2																																																																										
Yellow Birch	3	Sapling	2																																																																										
Paper Birch	6	Sapling	2																																																																										
Quaking Aspen	55	Sapling	2	24																																																																									
Balsam Fir	10	Sapling/Pole	2																																																																										
Black Spruce	10	Sapling	1																																																																										
White Pine	5	XLog	22																																																																										
Red Pine	5	XLog	20																																																																										
Black Cherry	3	Sapling	2																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Balsam Fir	Medium	10 - 20 feet	Sapling																																																																										
Tamarack	Low	5 - 10 feet	Sapling																																																																										
White Pine	Low	5 - 10 feet	Sapling																																																																										
Red Pine	Low	10 - 20 feet	Sapling																																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
15	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.8	100	111-140	N/A	"Greenier Lake Block" sale #020-93 (unit 3) - cut W, 1997. Heavy deer browse. Lots of spruce budworm damage. Poor quality maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		21	Pole/Log	10		Quaking Aspen		Low	>20 feet	Sapling
Red Maple		60	Pole/Log	10	100	Balsam Fir		High	Variable	Sapling
Yellow Birch		2	Log	16		White Pine		Medium	10 - 20 feet	Sapling
Balsam Fir		2	Pole	6		Red Pine		Low	10 - 20 feet	Sapling
Northern White Cedar		2	Pole	9		Maple (spp.)		Medium	Variable	Sapling
White Pine		11	XLog	24		Blackberry/Raspberry		Medium	< 5 feet	Tall Shrub
Hemlock		2	Log	14						
16	42290 - Natural Mixed Pine	Sawtimber Poor	12.9	84	81-110	N/A	"Greenier Lake Block" sale #020-93 (unit 1) - cut Su, 1996			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		2	Pole	9		Paper Birch		Low	>20 feet	Sapling
White Spruce		2	Log/Pole	14		Quaking Aspen		Medium	>20 feet	Sapling
White Pine		40	XLog/Log	22		Balsam Fir		Full	Variable	Sapling
Red Pine		54	Log/XLog	16	84	White Pine		Medium	10 - 20 feet	Sapling
Hemlock		2	Log	15		Red Pine		Low	10 - 20 feet	Sapling
						Maple (spp.)		Low	10 - 20 feet	Sapling
17	6120 - Lowland Cedar	Poletimber Well	5.9	103	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		2	Pole	8		Balsam Fir		High	Variable	Sapling
Yellow Birch		2	Log	13		Black Ash		Medium	>20 feet	Sapling
Paper Birch		2	Log	14		Tag Alder		Low	5 - 10 feet	Tall Shrub
Balsam Fir		2	Pole	7						
Black Spruce		2	Pole	8						
Northern White Cedar		90	Pole	8	103					
19	6120 - Lowland Cedar	Poletimber Well	24.0	104	Unspecified	N/A	small timber			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Yellow Birch		2	Log/Pole	14		Balsam Fir		Medium	Variable	Sapling
Black Spruce		2	Pole	9		Tag Alder		Full	5 - 10 feet	Tall Shrub
Northern White Cedar		90	Pole	8	104					
Tamarack		2	Pole/Log	10						
White Pine		2	Log	12						
Hemlock		2	Pole/Log	10						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																								
20	4319 - Mixed Upland Forest	Sawtimber Well	20.2	87	81-110	N/A	The long term goal of this stand is to plant one rotation of Jack Pine and then letting it go back into a natural stand next rotation. "Anderson Lake Mix Block" sale # 019-93 (unit 1) - cut F, 1994 and Su, 1995. The spruce budworm damage is bad.																																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Red Maple</td><td>41</td><td>Log/Pole</td><td>12</td><td>87</td></tr> <tr><td>Yellow Birch</td><td>2</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Balsam Fir</td><td>40</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Northern White Cedar</td><td>6</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>White Pine</td><td>3</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Hemlock</td><td>3</td><td>Log/XLog</td><td>14</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	5	Pole/Log	8		Red Maple	41	Log/Pole	12	87	Yellow Birch	2	XLog	20		Balsam Fir	40	Pole/Sapling	6		Northern White Cedar	6	Pole/Log	9		White Pine	3	XLog	20		Hemlock	3	Log/XLog	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>Yellow Birch</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Maple (spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Blackberry/Raspberry</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Yellow Birch	Low	10 - 20 feet	Sapling	Balsam Fir	High	Variable	Sapling	White Pine	Low	10 - 20 feet	Sapling	Maple (spp.)	Medium	5 - 10 feet	Sapling	Blackberry/Raspberry	Low	< 5 feet	Tall Shrub												
Canopy Species	% Cover	Size Class	DBH	Age																																																																											
Sugar Maple	5	Pole/Log	8																																																																												
Red Maple	41	Log/Pole	12	87																																																																											
Yellow Birch	2	XLog	20																																																																												
Balsam Fir	40	Pole/Sapling	6																																																																												
Northern White Cedar	6	Pole/Log	9																																																																												
White Pine	3	XLog	20																																																																												
Hemlock	3	Log/XLog	14																																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																																												
Yellow Birch	Low	10 - 20 feet	Sapling																																																																												
Balsam Fir	High	Variable	Sapling																																																																												
White Pine	Low	10 - 20 feet	Sapling																																																																												
Maple (spp.)	Medium	5 - 10 feet	Sapling																																																																												
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub																																																																												
21	500 - Water	Nonstocked	12.0		Unspecified	No	Greenier Lake																																																																								
22	429 - Mixed Upland Conifers	Poletimber Medium	22.4	85	51-80	N/A	portions part of "Greenier Lake South Block" #033-83 (unit 3) - cut Su, 1986, "Anderson Lake Mix Block" #19-93 (unit 1) and "Greenier Lake Hardwoods" #005-03 (unit 2) - cut Su, 2006																																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>2</td><td>Pole/Log</td><td>7</td><td></td></tr> <tr><td>Red Maple</td><td>18</td><td>Pole/Log</td><td>8</td><td>85</td></tr> <tr><td>Yellow Birch</td><td>2</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Paper Birch</td><td>8</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Balsam Fir</td><td>15</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>White Spruce</td><td>5</td><td>Pole/Log</td><td>10</td><td></td></tr> <tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Northern White Cedar</td><td>18</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>White Pine</td><td>15</td><td>XLog/Log</td><td>22</td><td>110</td></tr> <tr><td>Red Pine</td><td>2</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Hemlock</td><td>10</td><td>Log/Pole</td><td>16</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	2	Pole/Log	7		Red Maple	18	Pole/Log	8	85	Yellow Birch	2	Pole/Log	8		Paper Birch	8	Pole/Log	9		Balsam Fir	15	Pole	7		White Spruce	5	Pole/Log	10		Black Spruce	5	Pole	7		Northern White Cedar	18	Pole/Log	8		White Pine	15	XLog/Log	22	110	Red Pine	2	XLog	20		Hemlock	10	Log/Pole	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Tag Alder</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Maple (spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	Tag Alder	Low	< 5 feet	Tall Shrub	Maple (spp.)	Medium	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																																											
Sugar Maple	2	Pole/Log	7																																																																												
Red Maple	18	Pole/Log	8	85																																																																											
Yellow Birch	2	Pole/Log	8																																																																												
Paper Birch	8	Pole/Log	9																																																																												
Balsam Fir	15	Pole	7																																																																												
White Spruce	5	Pole/Log	10																																																																												
Black Spruce	5	Pole	7																																																																												
Northern White Cedar	18	Pole/Log	8																																																																												
White Pine	15	XLog/Log	22	110																																																																											
Red Pine	2	XLog	20																																																																												
Hemlock	10	Log/Pole	16																																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																																												
Balsam Fir	High	Variable	Sapling																																																																												
Tag Alder	Low	< 5 feet	Tall Shrub																																																																												
Maple (spp.)	Medium	5 - 10 feet	Sapling																																																																												
23	6220 - Alder/willow	Nonstocked	13.8		Unspecified	No	Scattered small white pine and cedar within.																																																																								
		<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></td><td>Tall Shrub</td></tr> <tr><td>Northern White Cedar</td><td>Trace</td><td></td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Trace</td><td></td><td>Pole</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	High		Tall Shrub	Northern White Cedar	Trace		Sapling	White Pine	Trace		Pole																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																																												
Tag Alder	High		Tall Shrub																																																																												
Northern White Cedar	Trace		Sapling																																																																												
White Pine	Trace		Pole																																																																												
24	4319 - Mixed Upland Forest	Sawtimber Medium	22.0	76	111-140	N/A	part of "Greenier Lake Block" sale # 020-93 (unit 2) - cut W, 1997. Average BA=80																																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Sugar Maple</td><td>10</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Red Maple</td><td>46</td><td>Pole/Log</td><td>9</td><td>76</td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>White Pine</td><td>25</td><td>XLog/Log</td><td>20</td><td>100</td></tr> <tr><td>Red Pine</td><td>2</td><td>XLog</td><td>20</td><td></td></tr> <tr><td>Hemlock</td><td>15</td><td>Log/Pole</td><td>10</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	10	Pole/Log	8		Red Maple	46	Pole/Log	9	76	Balsam Fir	2	Pole	6		White Pine	25	XLog/Log	20	100	Red Pine	2	XLog	20		Hemlock	15	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>Full</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Tamarack</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Medium</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Hemlock</td><td>Low</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Maple (spp.)</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Full	Variable	Sapling	White Spruce	Low	Variable	Sapling	Tamarack	Low	10 - 20 feet	Sapling	White Pine	Medium	10 - 20 feet	Sapling	Hemlock	Low	< 5 feet	Seeding	Maple (spp.)	Low	>20 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																																											
Sugar Maple	10	Pole/Log	8																																																																												
Red Maple	46	Pole/Log	9	76																																																																											
Balsam Fir	2	Pole	6																																																																												
White Pine	25	XLog/Log	20	100																																																																											
Red Pine	2	XLog	20																																																																												
Hemlock	15	Log/Pole	10																																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																																												
Balsam Fir	Full	Variable	Sapling																																																																												
White Spruce	Low	Variable	Sapling																																																																												
Tamarack	Low	10 - 20 feet	Sapling																																																																												
White Pine	Medium	10 - 20 feet	Sapling																																																																												
Hemlock	Low	< 5 feet	Seeding																																																																												
Maple (spp.)	Low	>20 feet	Sapling																																																																												



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

25 4112 - Maple, Beech, Cherry Association Sawtimber Well 41.9 85 81-110 N/A

"Greenier Lake Block" #020-93 (unit 4) - cut W,1997. Marked trees to cut and left any cedar and hemlock. Mid quality manage for quality through normal hardwood selection.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	XLog/Log	18	85	Balsam Fir	Low	Variable	Sapling
Red Maple	24	Log/Pole	10		Tamarack	Low	10 - 20 feet	Sapling
Yellow Birch	2	Log/XLog	18		White Pine	Low	10 - 20 feet	Sapling
Paper Birch	2	Pole	10		Maple (spp.)	High	10 - 20 feet	Sapling
Balsam Fir	2	Pole	6		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Northern White Cedar	2	Pole/Log	10					
White Pine	4	XLog/Log	20					
Hemlock	2	Log	14					
Black Cherry	2	Pole	9					

26 3302 - Low Density Conifer Trees Nonstocked 2.7 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High		Tall Shrub
Black Spruce	Low		Pole
Paper Birch	Low		Pole
White Pine	Trace		Log
Labrador Tea	High		Tall Shrub
Northern White Cedar	Medium		Pole
Red Maple	Low		Pole

27 500 - Water Nonstocked 2.8 Unspecified No part of Greenier Lake

28 429 - Mixed Upland Conifers Sawtimber Medium 6.0 89 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	10		Tag Alder	High	< 5 feet	Tall Shrub
Paper Birch	5	Pole/Log	12					
Quaking Aspen	2	Pole/Log	10					
Balsam Poplar	3	Pole/Log	10					
Balsam Fir	5	Pole	8					
Black Spruce	5	Pole	8					
Northern White Cedar	5	Pole/Sapling	7					
White Pine	45	XLog/Log	18	89				
Red Pine	5	Log/XLog	18					
Hemlock	15	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																										
29	4130 - Aspen	Sapling Well	14.1	34	Unspecified	N/A	"Greenier Lake South Block" #033-83 (unit 2) - cut F, 1986.																																																																										
<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>Quaking Aspen</td> <td>84</td> <td>Sapling</td> <td>4</td> <td>34</td> </tr> <tr> <td>Balsam Poplar</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	3		Quaking Aspen	84	Sapling	4	34	Balsam Poplar	10	Sapling	3		Balsam Fir	2	Pole	6		Northern White Cedar	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>Balsam Fir</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	< 5 feet	Seeding	White Pine	Low	< 5 feet	Seeding																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Red Maple	2	Sapling	3																																																																														
Quaking Aspen	84	Sapling	4	34																																																																													
Balsam Poplar	10	Sapling	3																																																																														
Balsam Fir	2	Pole	6																																																																														
Northern White Cedar	2	Pole	8																																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Balsam Fir	Low	< 5 feet	Seeding																																																																														
White Pine	Low	< 5 feet	Seeding																																																																														
30	3102 - Grass	Nonstocked	4.4		Unspecified	No	Aster and mullein stalks noted.																																																																										
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Poplar</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Spotted Knapweed</td> <td>Medium</td> <td></td> <td>Non-Wood</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Poplar	Medium		Sapling	White Pine	Low		Sapling	Spotted Knapweed	Medium		Non-Wood																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Balsam Poplar	Medium		Sapling																																																																														
White Pine	Low		Sapling																																																																														
Spotted Knapweed	Medium		Non-Wood																																																																														
31	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.4	93	51-80	N/A	"Greenier Lake South Block" #033-83 (unit 3) - cut Su, 1986 and "Greenier Lake Hardwoods" #005-03 (unit 3) - cut Su, 2006.																																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>29</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>55</td> <td>Log/Pole</td> <td>12</td> <td>93</td> </tr> <tr> <td>Yellow Birch</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Pine</td> <td>4</td> <td>XLog</td> <td>20</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	29	Pole/Log	9		Red Maple	55	Log/Pole	12	93	Yellow Birch	2	Log	14		Paper Birch	2	Pole/Log	10		Balsam Fir	2	Pole	7		White Spruce	2	Pole/Log	9		Northern White Cedar	2	Pole/Log	9		White Pine	4	XLog	20		Hemlock	2	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>Balsam Fir</td> <td>Medium</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>Ironwood</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Maple (spp.)</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Hazelnut (American)</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	White Pine	Low	Variable	Sapling	Ironwood	Medium	10 - 20 feet	Sapling	Maple (spp.)	Medium	10 - 20 feet	Sapling	Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	Hazelnut (American)	Low	< 5 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																																													
Sugar Maple	29	Pole/Log	9																																																																														
Red Maple	55	Log/Pole	12	93																																																																													
Yellow Birch	2	Log	14																																																																														
Paper Birch	2	Pole/Log	10																																																																														
Balsam Fir	2	Pole	7																																																																														
White Spruce	2	Pole/Log	9																																																																														
Northern White Cedar	2	Pole/Log	9																																																																														
White Pine	4	XLog	20																																																																														
Hemlock	2	Log/Pole	12																																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Balsam Fir	Medium	Variable	Sapling																																																																														
White Pine	Low	Variable	Sapling																																																																														
Ironwood	Medium	10 - 20 feet	Sapling																																																																														
Maple (spp.)	Medium	10 - 20 feet	Sapling																																																																														
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub																																																																														
Hazelnut (American)	Low	< 5 feet	Tall Shrub																																																																														
32	6239 - Mixed Emergent Wetland	Nonstocked	1.7		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>Red Maple</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> <tr> <td>Paper Birch</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td></td> <td>Pole</td> </tr> <tr> <td>Northern White Cedar</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> <tr> <td>Willow spp.</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Willow spp.</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Willow spp.</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Leatherleaf</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Trace		Pole	Paper Birch	Trace		Sapling	White Spruce	Low		Pole	Northern White Cedar	Trace		Pole	Willow spp.	High		Tall Shrub	Willow spp.	High		Tall Shrub	Willow spp.	High		Tall Shrub	Leatherleaf	Low		Tall Shrub																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																														
Red Maple	Trace		Pole																																																																														
Paper Birch	Trace		Sapling																																																																														
White Spruce	Low		Pole																																																																														
Northern White Cedar	Trace		Pole																																																																														
Willow spp.	High		Tall Shrub																																																																														
Willow spp.	High		Tall Shrub																																																																														
Willow spp.	High		Tall Shrub																																																																														
Leatherleaf	Low		Tall Shrub																																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
33	4134 - Aspen, Spruce/Fir	Sapling Well	11.6	34	81-110	N/A	"Greenier Lake South Block" #033-83 (unit 2) - cut Fall, 1986. Contains residual S/F and white pine. Trace amounts of paper birch and black cherry.																																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>57</td> <td>Sapling</td> <td>3</td> <td>34</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>4</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>13</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	2		Quaking Aspen	57	Sapling	3	34	Bigtooth Aspen	4	Sapling	3		Balsam Poplar	2	Sapling	3		Balsam Fir	20	Sapling/Pole	4		White Spruce	13	Sapling	4		White Pine	2	Pole/Log	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Maple (spp.)</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	Variable	Sapling	White Spruce	Low	Variable	Sapling	Northern White Cedar	Low	< 5 feet	Seeding	White Pine	Low	Variable	Sapling	Maple (spp.)	Low	< 5 feet	Seeding
Canopy Species	% Cover	Size Class	DBH	Age																																																															
Red Maple	2	Sapling	2																																																																
Quaking Aspen	57	Sapling	3	34																																																															
Bigtooth Aspen	4	Sapling	3																																																																
Balsam Poplar	2	Sapling	3																																																																
Balsam Fir	20	Sapling/Pole	4																																																																
White Spruce	13	Sapling	4																																																																
White Pine	2	Pole/Log	9																																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Balsam Fir	High	Variable	Sapling																																																																
White Spruce	Low	Variable	Sapling																																																																
Northern White Cedar	Low	< 5 feet	Seeding																																																																
White Pine	Low	Variable	Sapling																																																																
Maple (spp.)	Low	< 5 feet	Seeding																																																																
34	6120 - Lowland Cedar	Poletimber Well	105.9	110	Unspecified	N/A	Trace amounts of black ash noted.																																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>4</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>86</td> <td>Pole/Log/Sap</td> <td>6</td> <td>110</td> </tr> <tr> <td>Hemlock</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Pole/Log	9		Yellow Birch	4	Log	14		Paper Birch	2	Pole/Log	10		Balsam Fir	2	Pole	7		Black Spruce	2	Pole	7		Northern White Cedar	86	Pole/Log/Sap	6	110	Hemlock	2	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>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Labrador Tea</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	< 5 feet	Seeding	Tag Alder	High	5 - 10 feet	Tall Shrub	Labrador Tea	High	< 5 feet	Tall Shrub								
Canopy Species	% Cover	Size Class	DBH	Age																																																															
Red Maple	2	Pole/Log	9																																																																
Yellow Birch	4	Log	14																																																																
Paper Birch	2	Pole/Log	10																																																																
Balsam Fir	2	Pole	7																																																																
Black Spruce	2	Pole	7																																																																
Northern White Cedar	86	Pole/Log/Sap	6	110																																																															
Hemlock	2	Log/Pole	12																																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Balsam Fir	Medium	< 5 feet	Seeding																																																																
Tag Alder	High	5 - 10 feet	Tall Shrub																																																																
Labrador Tea	High	< 5 feet	Tall Shrub																																																																
35	6224 - Treed Bog	Nonstocked	284.5		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>Northern White Cedar</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td></td> <td>Pole</td> </tr> <tr> <td>Tamarack</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Labrador Tea</td> <td>Medium</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Trace		Pole	White Spruce	Low		Pole	Tamarack	Medium		Sapling	Tag Alder	High		Tall Shrub	Black Spruce	Medium		Sapling	Labrador Tea	Medium		Tall Shrub	White Pine	Trace		Pole																																
Sub-Canopy Species	Density	Avg. Height	Size																																																																
Northern White Cedar	Trace		Pole																																																																
White Spruce	Low		Pole																																																																
Tamarack	Medium		Sapling																																																																
Tag Alder	High		Tall Shrub																																																																
Black Spruce	Medium		Sapling																																																																
Labrador Tea	Medium		Tall Shrub																																																																
White Pine	Trace		Pole																																																																
36	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	13.3	74	Unspecified	N/A	Slightly higher timbered island within bog. I was unable to track landowners down to get to this land.																																																												
37	6124 - Lowland Spruce-Fir	Poletimber Well	4.3	77	Unspecified	N/A	Previous inventory(s) indicate well-stocked spruce/fir. I was unable to track landowners down to get to this land.																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
38	6225 - Bog	Nonstocked	201.8		Unspecified	No						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Spruce	Trace		Sapling	
								Paper Birch	Trace		Sapling	
								Northern White Cedar	Trace		Sapling	
								Tag Alder	High		Tall Shrub	
								White Pine	Trace		Pole	
								Leatherleaf	Full		Tall Shrub	
Tamarack	Low		Sapling									
39	6230 - Cattail	Nonstocked	38.5		Unspecified	No						
40	4136 - Aspen, Mixed Conifer	Sapling Well	41.7	23	Unspecified	N/A	"F & M Aspen Block" #012-93 - cut summer, 1996. Left all WP, cedar, hemlock and small BF/Spruce, which is now coming into pole-class sizes. With hazel, bracken fern, grasses, raspberry ground cover.					
41	42200 - Natural White Pine	Sawtimber Well	7.1	110	51-80	N/A						
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	10	Log/Pole	10	
								Balsam Fir	15	Pole	7	31
								White Spruce	15	Pole/Log	8	
								White Pine	60	XLog	20	110
Sub-Canopy Species	Density	Avg. Height	Size									
Balsam Fir	Full	Variable	Sapling									
White Spruce	Full	Variable	Sapling									
White Pine	Medium	Variable	Sapling									
Tag Alder	Low	< 5 feet	Tall Shrub									
42	4119 - Mixed Northern Hardwoods	Poletimber Well	16.2	85	81-110	N/A	Escanaba River influence					
Canopy Species	% Cover	Size Class	DBH	Age								
Sugar Maple	15	Sapling/Pole	6									
Red Maple	35	Pole	9	85								
Yellow Birch	10	Pole/Log	10									
Basswood	2	Log	16									
Paper Birch	8	Pole/Log	10									
Balsam Fir	2	Pole	6									
White Spruce	4	Log	14									
Northern White Cedar	2	Log	10									
Hemlock	2	Sapling/Pole	6									
Black Ash	20	Pole	6									
Sub-Canopy Species	Density	Avg. Height	Size									
Balsam Fir	Medium	< 5 feet	Tall Shrub									
White Spruce	Low	< 5 feet	Seeding									
Ironwood	Low	5 - 10 feet	Tall Shrub									
Maple (spp.)	Medium	>20 feet	Sapling									



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

43 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 36.9 110 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	7	
Paper Birch	24	Log/Pole	10	
Bigtooth Aspen	2	Log	16	
Balsam Fir	15	Pole	7	
Black Spruce	15	Pole	7	
Northern White Cedar	40	Pole	8	110
Black Ash	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
White Spruce	Medium	Variable	Sapling
Northern White Cedar	Low	Variable	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub

45 4311 - Pine, Aspen Mix Poletimber Well 2.5 70 111-140 N/A Heavy deer browse on 3 - 5' red maple regeneration within. Natural Pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	12	
Quaking Aspen	25	Pole/Log	8	
White Pine	25	Log/Pole	10	
Red Pine	30	Log/Pole	12	70
Paper Birch	10	Pole/Log	8	