



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45166

Entry Year 2022

Acreage: 1,866

County Mackinac

Management Area: Mackinac Mix

Revision Date: 2020-07-29

Stand Examiner: Amy Baumgartner

Legal Description:

T 44N, R 08W E1/2, SW, S1/2NW, NENW Sec. 7, 18 & 19 Hudson Township

Identified Planning Goals:

This compartment is located between Gilchrist and Arsenic City, east of the Cranberry Lake bog. Most of the compartment is lowland conifer or bog types with steep ridges running east-west through the middle of the compartment. Several upland ridges were cut in the 1970's. White birch regeneration is prevalent on these ridges. The birch ridges along the southern edge of section 19 are inaccessible.

Soil and topography:

This area ranges from low level bogs and swamp conifer to steep rolling ridges of birch and white pine. The bog type is composed of Dawson and Loxley peats. The swamp conifer is composed of Markey and Carbondale mucks. Level to undulating areas of hemlock and birch are representative of Spot-Finch complex, with higher rolling terrain composed of Paquin-Finch sands; Longrie-Battydoe, stony, complex; and Battydoe, stony Wallace complex. The cut-over ridges in the swamp are composed of Croswell-Spot complex. And the steep rolling ridges along the Hemlock Ridge Road are Finch-Dawson-Pullup complex, and Pullup fine sand.

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

This compartment is comprised of all state land. Part of the western boundary in section 18 and all of the western boundary of section 7 borders Graymont land NWNW sec. 7 belongs to Graymont.

Unique Natural Features:

Large bog complex.

Archeological, Historical, and Cultural Features:

None.

Special Management Designations or Considerations:

Several small drainages lay within the mixed conifer stand to be treated. Winter access only may be needed here to prevent rutting. Acreage may be reduced to protect the drainages.

Watershed and Fisheries Considerations:

Fisheries Concerns: Small ponds are scattered throughout the northern portion of the compartment. Standard BMP's apply when working near surface water.

Wildlife Habitat Considerations:

This compartment is part of the Mackinac Mix MA where featured wildlife species include black bear, pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. It is dominated by swamp, with black spruce bog dominating the north and cedar swamp dominating the south. These two types are divided by the Hemlock Ridge Road, which runs along an upland ridge that nearly divides the compartment in half. As the road name implies, hemlock is common along this sandy ridge.

Wildlife objectives include maintaining the integrity of the bog and other lowland swamp, encouraging hemlock as well as some early successional cover, and retaining unique habitat characteristics. Most hemlock and much cedar and larger white pine will be retained, and hemlock regeneration will be encouraged through the harvesting techniques, including leaving existing hemlock. Some hemlock regeneration is occurring in places where mature hemlock exists, particularly in the northern part of the compartment. Harvests will focus on other species. The young growth resulting after the harvests will provide food and cover resources for deer, ruffed grouse, and snowshoe hare. Larger trees and snags left will benefit species like woodpeckers. Wetlands, including vernal, will be protected to provide habitat for bear, amphibians, birds, and other species that use wetlands as well as to provide wildlife travel corridors for species including deer 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 metallic mineral potential in this area. A series of active, state-owned sand/gravel pits are roughly one mile east of the compartment and are leased to the county road commission. The Hendricks Limestone Quarry is less than one mile to the north. Surface and mineral rights adjacent to the compartment on the northwest were acquired from the state by Graymont for limestone development. There is additional potential for high-purity bedrock limestone within the compartment. However, it is deeper here and much of the compartment is covered by wetlands. Both factors make economic development more costly. The best potential for aggregate source material in the compartment would be the natural ridge crossing Section 18, which currently supports Dollar Lake Road/Truck Trail. There is potential for karst features in this area (e.g., caves, sinkholes).

Vehicle Access:

Access is via Cranberry Lake Road and Old Hendricks Road on the north end of the compartment. Cranberry Lake Road is a sand/gravel DNR road in good condition and leads out to Borgstrom Road within a half-mile. Old Hendricks Road is a fair County road through the northeast corner of the compartment, consisting of mud holes. Hemlock Ridge Road is a sand DNR road that winds along the base of a steep ridge.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The Hemlock Ridge Road is used as a snowmobile trail # 2 in the winter. The Newberry – Rexton motorcycle trail winds along the Hemlock Ridge Road, and up and down the ridges. Excellent wildlife viewing area. Hunting and trapping opportunities exist as well.

Fire Protection:

This is a low fire area.

Additional Compartment Information:

The deer yard borders the eastern edge of this compartment in sections 18 & 19.

The following reports from the Inventory are attached:

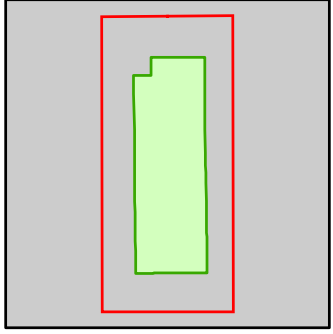
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

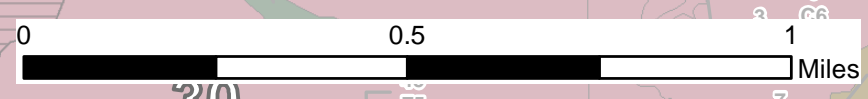
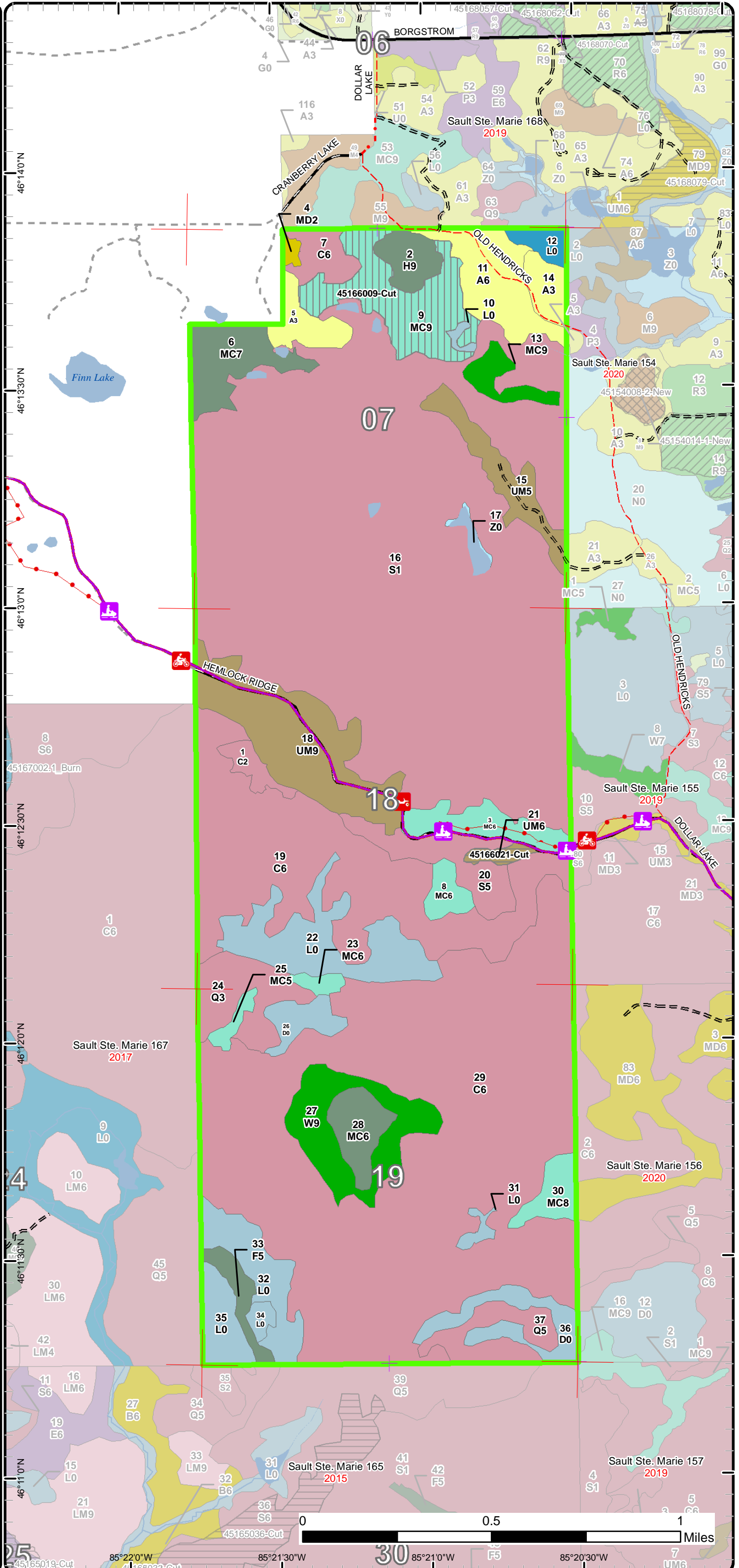
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 166
 T44N,R08W, Sec. 7, 18, 19
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2022
 Acres: 1,866 GIS Calculated
 Examiner: Amy Baumgartner
 Map Revised: 8/13/2020
 Map Phase: Web Post



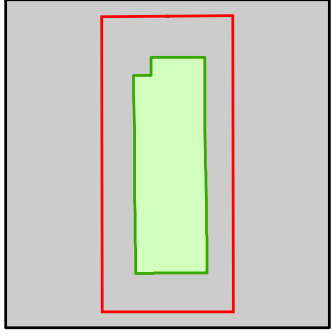
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland



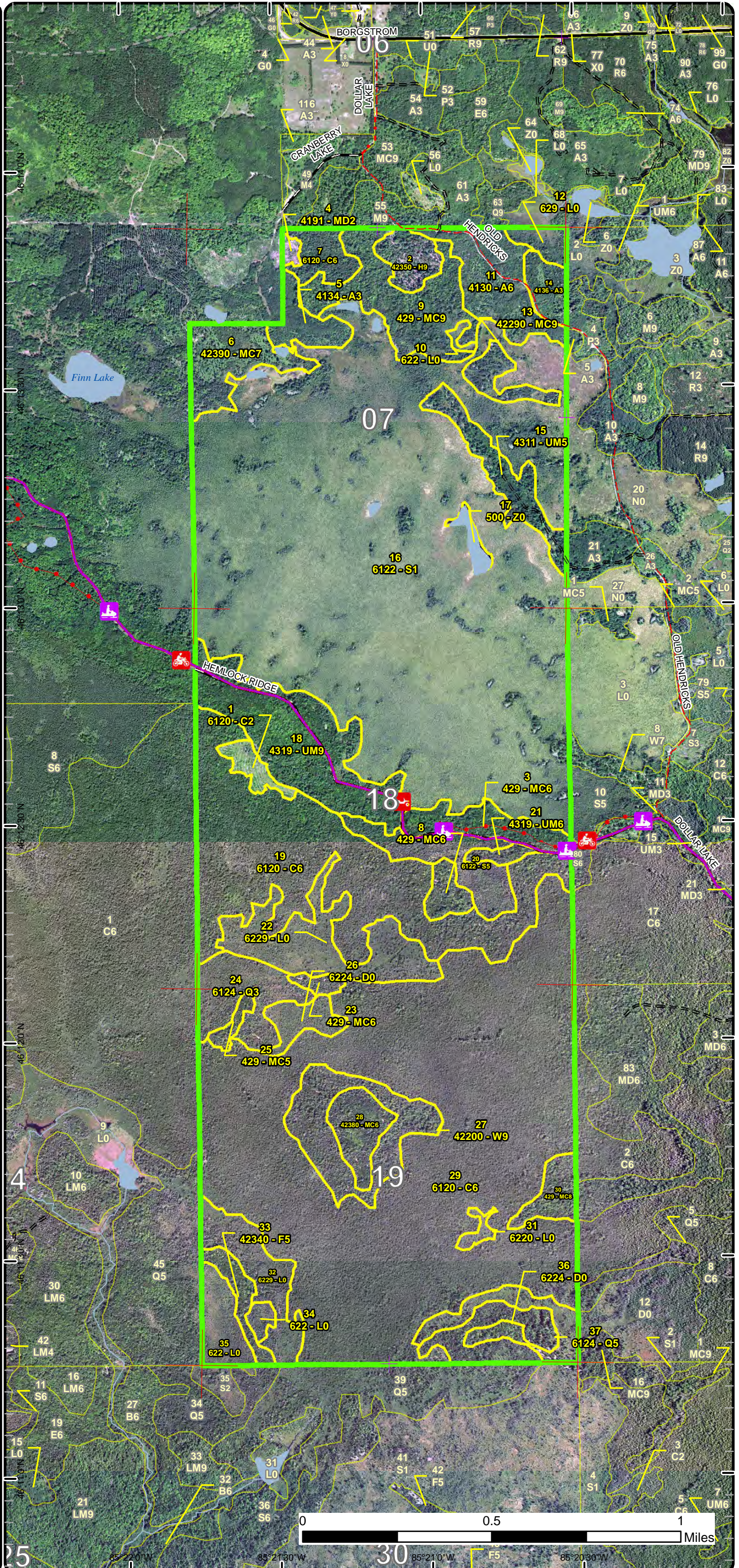
85°22'0"W 85°21'30"W 85°21'0"W 85°20'30"W

Stand Boundary Map

Compartment: 166
 T44N,R08W, Sec. 7, 18, 19
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2022
 Acres: 1,866 GIS Calculated
 Examiner: Amy Baumgartner
 Map Revised: 8/13/2020
 Map Phase: Web Post

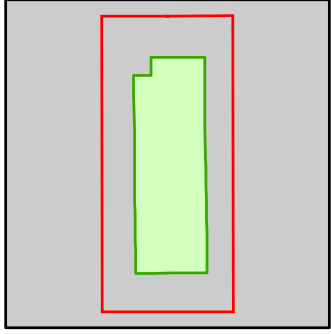


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

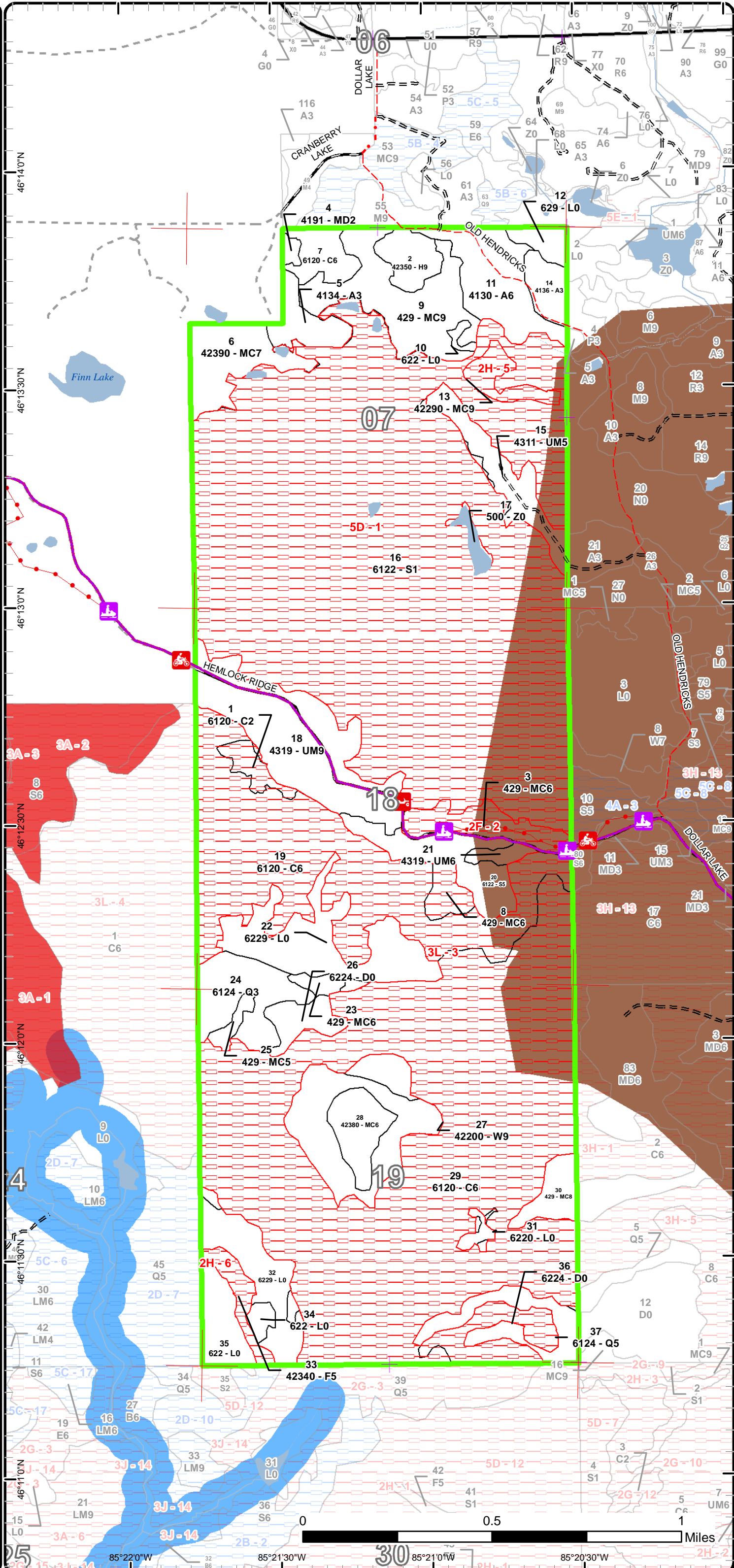


Special Conservation Areas

Compartment: 166
 T44N,R08W, Sec. 7, 18, 19
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Mackinac Mix
 YOE: 2022
 Acres: 1,866 GIS Calculated
 Examiner: Amy Baumgartner
 Map Revised: 8/13/2020
 Map Phase: Web Post



- Miris Corners
- + Remonumented Section 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 - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Unavailable
- 2F: Too steep
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit

Compartment 166 Year of Entry 2022

Amy Baumgartner : 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	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Cedar	0	0	0	7	0	0	0	0	0	0	0	477	0	158	0	0	0	0	642
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	13
Lowland Conifers	0	0	0	0	30	0	0	0	0	22	0	0	0	0	0	0	0	0	52
Lowland Shrub	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
Lowland Spruce/Fir	0	0	0	0	0	27	634	0	0	0	0	0	0	0	0	0	0	0	660
Mixed Upland Deciduous	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Natural Mixed Pines	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Treed Bog	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Upland Conifers	0	0	0	0	0	53	0	0	28	0	12	0	0	47	0	0	0	0	140
Upland Mixed Forest	0	0	0	24	0	68	4	0	0	0	0	0	0	0	0	0	0	0	96
Upland Spruce/Fir	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	40
Total	141	2	0	89	30	188	638	10	39	22	12	477	0	218	0	0	0	0	1865



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2022

Acres of Harvest

Compartment 166
Total Compartment Acres: 1,866

Commercial Harvest - 52
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
Upland Conifers	0	0	0	0	47	0	0	0	0	47
Upland Mixed Forest	4	0	0	0	0	0	0	0	0	4
Total	4	0	0	0	47	0	0	0	0	52

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	52	0	0	0	0	0	0	0	0	52
Next Step	0	0	0	0	0	0	52	0	0	52
Total	52	0	0	0	0	0	52	0	0	103



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

Proposed Treatments:

9	45166009-Cut	47.4	429 - Mixed Upland Conifers	Sawtimber Well	129	111- 140	Harvest	Shelterwood with Retention	42380 - Non Pine Upland Conifer, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> do not cut hemlock, white pine, cedar. Thin to 30-50 BA. Winter harvest to protect wet areas and regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> cedar, white pine, hemlock, spruce, balsam, red maple, paper birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>											
21	45166021-Cut	4.2	4319 - Mixed Upland Forest	Poletimber Well	57	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all deciduous 2" and greater and all conifers 4" and greater. Leave hemlock if there are pockets of it, but cut lone hemlock. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> paper birch, white pine, aspen, maple, balsam fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>											

**Total Treatment
Acreage Proposed: 51.6**

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Amy Baumgartner : Examiner

Compartment: 166
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2F	2H	3L	5D
58	58	0	0	Aspen				0
642	25	0	617	Cedar			617	
13	13	0	0	Hemlock				
51	29	0	22	Lowland Conifers			22	
106	106	0	0	Lowland Shrub			0	
660	28	0	633	Lowland Spruce/Fir				633
2	2	0	0	Mixed Upland Deciduous				
11	0	0	11	Natural Mixed Pines		11		
32	32	0	0	Treed Bog				
141	112	0	29	Upland Conifers	20		9	0
96	96	0	0	Upland Mixed Forest			0	0
10	0	0	10	Upland Spruce/Fir		10		
3	3	0	0	Water				
40	40	0	0	White Pine				
1,866	545		1,321	Total Forested Acres	20	20	648	633
	29%		71%	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	5D: Unproductive Forest Land	633	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2F: Too steep	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Amy Baumgartner : Examiner

Compartment: 166
Year of Entry: 2022

3	Unavailable	3L: Other wildlife concerns	648	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar stand.							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
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	6120 - Lowland Cedar	Sapling Medium	7.3	28	Immature	N/A	Cut in 2012 as part of Slug Boot Mix #451200901. good regeneration. 10-30 feet trees left behind for retention are still standing																																																										
<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>60</td> <td>Sapling</td> <td>1</td> <td>28</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	60	Sapling	1	28	White Pine	10	Sapling	1		Black Spruce	10	Sapling	1		Red Maple	5	Sapling	1	8	Balsam Fir	10	Sapling	1		Hemlock	5	Sapling	1		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	Tall Shrub																			
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Northern White Cedar	60	Sapling	1	28																																																													
White Pine	10	Sapling	1																																																														
Black Spruce	10	Sapling	1																																																														
Red Maple	5	Sapling	1	8																																																													
Balsam Fir	10	Sapling	1																																																														
Hemlock	5	Sapling	1																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Tag Alder	Medium	5 - 10 feet	Tall Shrub																																																														
2	42350 - Upland Hemlock	Sawtimber Well	12.9	129	81-110	N/A	Harvested in 2015. All hemlock left. Decent hemlock and cedar regen. Lot of red maple stump sprouts.																																																										
<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>8</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog</td> <td>25</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>85</td> <td>XLog/Log</td> <td>18</td> <td>129</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling/Pole</td> <td>3</td> <td>5</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	8	Log	15		White Pine	5	XLog	25		Hemlock	85	XLog/Log	18	129	Red Maple	2	Sapling/Pole	3	5	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Striped Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling	Northern White Cedar	Low	10 - 20 feet	Sapling	Hemlock	Medium	5 - 10 feet	Sapling	Striped Maple	Low	10 - 20 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Northern White Cedar	8	Log	15																																																														
White Pine	5	XLog	25																																																														
Hemlock	85	XLog/Log	18	129																																																													
Red Maple	2	Sapling/Pole	3	5																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Balsam Fir	Medium	5 - 10 feet	Sapling																																																														
Northern White Cedar	Low	10 - 20 feet	Sapling																																																														
Hemlock	Medium	5 - 10 feet	Sapling																																																														
Striped Maple	Low	10 - 20 feet	Sapling																																																														
Red Maple	Medium	5 - 10 feet	Sapling																																																														
3	429 - Mixed Upland Conifers	Poletimber Well	19.9	40	1-50	N/A	Stand was split from stand 18 to the west due to steep slopes and smaller diameters in 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>Hemlock</td> <td>25</td> <td>Pole</td> <td>8</td> <td>40</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog</td> <td>18</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Pole</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	25	Pole	8	40	Red Maple	25	Pole	6		Balsam Fir	25	Pole/Sapling	5		White Pine	5	XLog	18		Paper Birch	15	Pole	6		Black Spruce	5	Pole	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 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>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling	White Pine	Low	10 - 20 feet	Sapling	Red Maple	Low	5 - 10 feet	Sapling	Hemlock	Medium	5 - 10 feet	Sapling	Paper Birch	Medium	10 - 20 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Hemlock	25	Pole	8	40																																																													
Red Maple	25	Pole	6																																																														
Balsam Fir	25	Pole/Sapling	5																																																														
White Pine	5	XLog	18																																																														
Paper Birch	15	Pole	6																																																														
Black Spruce	5	Pole	5																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Balsam Fir	High	10 - 20 feet	Sapling																																																														
White Pine	Low	10 - 20 feet	Sapling																																																														
Red Maple	Low	5 - 10 feet	Sapling																																																														
Hemlock	Medium	5 - 10 feet	Sapling																																																														
Paper Birch	Medium	10 - 20 feet	Sapling																																																														
4	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	2.1	5	Immature	N/A	Stand cut in 2015.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Sapling</td> <td>3</td> <td>5</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	15	Sapling	2		Red Maple	30	Sapling	3	5	Balsam Fir	15	Sapling	2		Quaking Aspen	15	Sapling	2		White Pine	10	Sapling	3		White Spruce	15	Sapling	3																														
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Black Cherry	15	Sapling	2																																																														
Red Maple	30	Sapling	3	5																																																													
Balsam Fir	15	Sapling	2																																																														
Quaking Aspen	15	Sapling	2																																																														
White Pine	10	Sapling	3																																																														
White Spruce	15	Sapling	3																																																														
5	4134 - Aspen, Spruce/Fir	Sapling Well	13.4	27	Immature	N/A	Regen aspen with balsam fir																																																										
<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>55</td> <td>Sapling/Pole</td> <td>4</td> <td>27</td> </tr> <tr> <td>Balsam Fir</td> <td>40</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	55	Sapling/Pole	4	27	Balsam Fir	40	Pole/Sapling	5		Red Maple	5	Sapling	3		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	< 5 feet	Sapling																														
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Quaking Aspen	55	Sapling/Pole	4	27																																																													
Balsam Fir	40	Pole/Sapling	5																																																														
Red Maple	5	Sapling	3																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	Low	5 - 10 feet	Sapling																																																														
Balsam Fir	Medium	< 5 feet	Sapling																																																														



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

6	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Poor	27.8	70	1-50	N/A	Stand was harvested in 2007
---	--	----------------	------	----	------	-----	-----------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole	6		Red Maple	High	10 - 20 feet	Sapling
Red Maple	20	Log	10		Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce	30	Log	10	70	Paper Birch	Medium	10 - 20 feet	Sapling
Balsam Fir	15	Pole	8		Black Spruce	Low	10 - 20 feet	Sapling
White Pine	15	Log/XLog	15					

7	6120 - Lowland Cedar	Poletimber Well	13.0	102	111-140	N/A	Scattered super canopy hemlock and white pine with small diameter cedar, black spruce and tag alder underneath. Ground cover is sphagnum moss.
---	----------------------	-----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	7		Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	35	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Northern White Cedar	50	Pole	7	102	Alder	Medium	10 - 20 feet	Tall Shrub
Hemlock	5	Log	17					
Balsam Fir	5	Pole	6					

8	429 - Mixed Upland Conifers	Poletimber Well	8.5	46	81-110	N/A	
---	-----------------------------	-----------------	-----	----	--------	-----	--

9	429 - Mixed Upland Conifers	Sawtimber Well	47.4	129	111-140	N/A	Has wet spots throughout.
---	-----------------------------	----------------	------	-----	---------	-----	---------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log	15		Balsam Fir	Medium	< 5 feet	Sapling
Paper Birch	10	Log	12	93	Northern White Cedar	Low	10 - 20 feet	Sapling
White Spruce	5	Log	12		Hemlock	Medium	5 - 10 feet	Sapling
Northern White Cedar	20	Pole	8		Striped Maple	Low	5 - 10 feet	Sapling
White Pine	15	XLog/Log	20					
Hemlock	30	Log	16	129				

10	622 - Lowland Shrub	Nonstocked	1.8		Unspecified	No	Mostly Alder and labrador tea with some trees mixed in.
----	---------------------	------------	-----	--	-------------	----	---

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



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

11 4130 - Aspen Poletimber Well 34.3 27 Unspecified N/A Aspen regen 15-20 foot tall, small scattered openings throughout. Scattered soggy spots.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	6	Sapling	3	
Quaking Aspen	60	Pole	5	27
Balsam Fir	6	Pole/Sapling	7	
Paper Birch	10	Sapling	3	
Choke Cherry	6	Sapling	2	
Hemlock	1	Sapling	3	
Eastern Red Cedar	5	Sapling	2	
White Spruce	3	Sapling	4	
White Pine	3	Sapling	4	

12 629 - Mixed non-forested wetland Nonstocked 6.9 No Mostly alder with Some trees mixed in Canopy Closure less than 25 %

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High		Tall Shrub
Black Ash	Low		Pole
White Spruce	Trace		Pole
Black Spruce	Low		Pole
Red Maple	Low		Pole
Northern White Cedar	Low		Pole
Balsam Fir	Low		Sapling

13 42290 - Natural Mixed Pine Sawtimber Well 10.6 77 81-110 N/A Sand ridge located within a black spruce bog contains some lowland pockets featuring the black spruce component of this stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Paper Birch	5	Pole	6	
Balsam Fir	10	Pole/Sapling	6	
Black Spruce	15	Pole	8	
White Pine	30	Log/XLog	18	
Red Pine	35	Log	14	77

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	Low	5 - 10 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
Labrador Tea	Low	< 5 feet	Tall Shrub
Canada Blueberry	Low	Variable	Tall Shrub

14 4136 - Aspen, Mixed Conifer Sapling Well 10.5 24 N/A Aspen Regen with Large white pine and hemlock that were left from previous harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log/XLog	16	
Quaking Aspen	30	Pole/Sapling	5	24
Bigtooth Aspen	15	Sapling	4	24
Balsam Fir	13	Sapling	2	
White Pine	2	Log/XLog	20	
Hemlock	5	Log	18	
Eastern Red Cedar	10	Log	12	
Paper Birch	10	Log/Pole	12	



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

15	4311 - Pine, Aspen Mix	Poletimber Medium	23.6	29	51-80	N/A	Sand ridge extending into black spruce bog. Stand crosses compartment boundary to the east (154). Higher density of pine on northern Tip of stand.
-----------	------------------------	-------------------	------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	5		Paper Birch	Low	5 - 10 feet	Sapling
Quaking Aspen	35	Sapling	3	29	Quaking Aspen	Medium	< 5 feet	Sapling
Balsam Fir	3	Pole	5		Balsam Fir	Low	5 - 10 feet	Sapling
White Spruce	10	Pole	6		White Spruce	Low	5 - 10 feet	Sapling
Tamarack	2	Pole	5		Tamarack	Low	5 - 10 feet	Sapling
White Pine	15	Log/Pole	16		White Pine	Low	5 - 10 feet	Sapling
Red Pine	15	Log/Pole	14		Red Pine	Low	5 - 10 feet	Sapling
Jack Pine	10	Pole	5		Jack Pine	Low	5 - 10 feet	Sapling
					Hazelnut (American)	Low	< 5 feet	Tall Shrub

16	6122 - Black Spruce	Sapling Poor	633.8	52		N/A	Black spruce bog, very wet
-----------	---------------------	--------------	-------	----	--	-----	----------------------------

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	85	Sapling/Pole	3	52	Labrador Tea	Medium	Variable	Tall Shrub
Tamarack	15	Sapling/Pole	4	47				

17	500 - Water	Nonstocked	3.4			No	wet
-----------	-------------	------------	-----	--	--	----	-----

18	4319 - Mixed Upland Forest	Sawtimber Well	68.3	45	111-140	N/A	Steep ridge with a mix of inferior quality conifer and deciduous under large White Pine and Hemlock. ORV trail runs through stand. Has some open spots and areas with pole/sapling size. May be too steep for harvest in spots.
-----------	----------------------------	----------------	------	----	---------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Log/Pole	10		Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	19	Pole	8		Paper Birch	Low	5 - 10 feet	Sapling
Balsam Fir	20	Sapling/Pole	4		Balsam Fir	High	10 - 20 feet	Sapling
White Pine	5	XLog/Log	20		White Pine	Low	10 - 20 feet	Sapling
Hemlock	30	Pole	8	45	Hemlock	Medium	5 - 10 feet	Sapling
Black Cherry	1	Sapling/Pole	4					

19	6120 - Lowland Cedar	Poletimber Well	158.3	126	81-110	N/A	Mostly cedar and fir mixed with black spruce. Small pockets of tag alder with black ash saplings scattered throughout the stand.
-----------	----------------------	-----------------	-------	-----	--------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	13	Pole/Sapling	8		Paper Birch	Low	5 - 10 feet	Sapling
Balsam Fir	15	Pole/Log/Sap	10		Balsam Fir	High	10 - 20 feet	Sapling
Black Spruce	7	Pole	8		Northern White Cedar	Medium	5 - 10 feet	Sapling
Northern White Cedar	65	Pole/Log/Sap	10	126				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
20	6122 - Black Spruce	Poletimber Medium	26.5	47	51-80	N/A	Trace amounts of large white Pine located on hummocks. Ground cover is a mix of moss and grass.																																															
<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>20</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>70</td> <td>Pole/Sapling</td> <td>6</td> <td>47</td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	20	Sapling/Pole	4		Black Spruce	70	Pole/Sapling	6	47	Northern White Cedar	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>< 5 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>Labrador Tea</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium	< 5 feet	Sapling	Northern White Cedar	Low	< 5 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling	Labrador Tea	Medium	< 5 feet	Tall Shrub											
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Balsam Fir	20	Sapling/Pole	4																																																			
Black Spruce	70	Pole/Sapling	6	47																																																		
Northern White Cedar	10	Pole	8																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Black Spruce	Medium	< 5 feet	Sapling																																																			
Northern White Cedar	Low	< 5 feet	Sapling																																																			
White Pine	Low	5 - 10 feet	Sapling																																																			
Labrador Tea	Medium	< 5 feet	Tall Shrub																																																			
21	4319 - Mixed Upland Forest	Poletimber Well	4.2	57	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>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>40</td> <td>Pole</td> <td>8</td> <td>57</td> </tr> <tr> <td>Balsam Fir</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>18</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>7</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole	6		Paper Birch	40	Pole	8	57	Balsam Fir	25	Pole/Sapling	5		White Pine	18	Log	14		Quaking Aspen	7	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>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</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	Balsam Fir	High	5 - 10 feet	Sapling	Northern White Cedar	Low	10 - 20 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Maple	10	Pole	6																																																			
Paper Birch	40	Pole	8	57																																																		
Balsam Fir	25	Pole/Sapling	5																																																			
White Pine	18	Log	14																																																			
Quaking Aspen	7	Pole	8																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Red Maple	Low	10 - 20 feet	Sapling																																																			
Balsam Fir	High	5 - 10 feet	Sapling																																																			
Northern White Cedar	Low	10 - 20 feet	Sapling																																																			
22	6229 - Mixed lowland shrub	Nonstocked	47.2		Unspecified	No	Mostly tag alder with small pockets of cedar and fir. Some deciduous species interspersed throughout the stand. No significant volume associated with these sparse 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>Deciduous Saplings</td> <td>Trace</td> <td></td> <td>Pole</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>Log</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Deciduous Saplings	Trace		Pole	Labrador Tea	Medium		Tall Shrub	White Pine	Trace		Log	Balsam Fir	Low		Sapling																															
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Deciduous Saplings	Trace		Pole																																																			
Labrador Tea	Medium		Tall Shrub																																																			
White Pine	Trace		Log																																																			
Balsam Fir	Low		Sapling																																																			
23	429 - Mixed Upland Conifers	Poletimber Well	3.8	46	1-50	N/A	New stand added. Large white pine with paper birch, balsam, and spruce located on a sand ridge in the middle of a swamp.																																															
<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>25</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>XLog/Log</td> <td>18</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	25	Sapling/Pole	4		Balsam Fir	10	Sapling	3		Black Spruce	25	Sapling/Pole	4		Tamarack	5	Pole	8		White Pine	35	XLog/Log	18	46	<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>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	< 5 feet	Sapling	Balsam Fir	Low	< 5 feet	Sapling	White Pine	Low	< 5 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Paper Birch	25	Sapling/Pole	4																																																			
Balsam Fir	10	Sapling	3																																																			
Black Spruce	25	Sapling/Pole	4																																																			
Tamarack	5	Pole	8																																																			
White Pine	35	XLog/Log	18	46																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Paper Birch	Low	< 5 feet	Sapling																																																			
Balsam Fir	Low	< 5 feet	Sapling																																																			
White Pine	Low	< 5 feet	Sapling																																																			
24	6124 - Lowland Spruce-Fir	Sapling Well	29.5	32	Unspecified	N/A	Bog Area Containing mostly Spruce and fir scattered Red maple and Birch																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>40</td> <td>Sapling/Pole</td> <td>4</td> <td>32</td> </tr> <tr> <td>Black Spruce</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole	8		Paper Birch	10	Pole	6		Balsam Fir	40	Sapling/Pole	4	32	Black Spruce	30	Sapling/Pole	4		Northern White Cedar	5	Pole	6		Tamarack	5	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Labrador Tea</td> <td>High</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	< 5 feet	Sapling	Labrador Tea	High	Variable	Tall Shrub	Alder	High	5 - 10 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Maple	10	Pole	8																																																			
Paper Birch	10	Pole	6																																																			
Balsam Fir	40	Sapling/Pole	4	32																																																		
Black Spruce	30	Sapling/Pole	4																																																			
Northern White Cedar	5	Pole	6																																																			
Tamarack	5	Pole	6																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Balsam Fir	Medium	< 5 feet	Sapling																																																			
Labrador Tea	High	Variable	Tall Shrub																																																			
Alder	High	5 - 10 feet	Tall Shrub																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
25	429 - Mixed Upland Conifers	Poletimber Medium	4.3	46	51-80	N/A	Sand ridge located within a black spruce and cedar swamp containing large white pine with smaller paper birch, balsam and black spruce underneath.																																														
<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/Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>25</td> <td>Sapling/Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole</td> <td>16</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling/Pole	8		Paper Birch	15	Sapling/Pole	4		Balsam Fir	25	Sapling/Pole	5		Black Spruce	25	Sapling/Pole	4		White Pine	30	Log/Pole	16	46	<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>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</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>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	Black Spruce	Low	< 5 feet	Sapling	White Pine	Low	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	5	Sapling/Pole	8																																																		
Paper Birch	15	Sapling/Pole	4																																																		
Balsam Fir	25	Sapling/Pole	5																																																		
Black Spruce	25	Sapling/Pole	4																																																		
White Pine	30	Log/Pole	16	46																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Paper Birch	Low	5 - 10 feet	Sapling																																																		
Balsam Fir	Medium	5 - 10 feet	Sapling																																																		
Black Spruce	Low	< 5 feet	Sapling																																																		
White Pine	Low	< 5 feet	Sapling																																																		
26	6224 - Treed Bog	Nonstocked	11.4		Unspecified	No	Alder with Scattered spruce, birch and cedar. Less than 25% canopy closure																																														
		<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>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Labrador Tea</td> <td>Medium</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Tamarack</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Alder</td> <td>Medium</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Trace		Sapling	Black Spruce	Low		Sapling	Labrador Tea	Medium		Tall Shrub	Tamarack	Trace		Log	Alder	Medium		Tall Shrub																										
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Paper Birch	Trace		Sapling																																																		
Black Spruce	Low		Sapling																																																		
Labrador Tea	Medium		Tall Shrub																																																		
Tamarack	Trace		Log																																																		
Alder	Medium		Tall Shrub																																																		
27	42200 - Natural White Pine	Sawtimber Well	39.9	46	81-110	N/A	Small upland Island in a large cedar swamp. mostly large white pine with paper birch, balsam, black spruce and some tamarack on edge of cedar and inner bowl.																																														
<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>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>70</td> <td>XLog/Log</td> <td>20</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole/Log	8		Balsam Fir	20	Pole	8		Black Spruce	5	Pole	6		White Pine	70	XLog/Log	20	46	<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>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Low	< 5 feet	Sapling	Balsam Fir	High	5 - 10 feet	Sapling	White Pine	Low	< 5 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Paper Birch	5	Pole/Log	8																																																		
Balsam Fir	20	Pole	8																																																		
Black Spruce	5	Pole	6																																																		
White Pine	70	XLog/Log	20	46																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Paper Birch	Low	< 5 feet	Sapling																																																		
Balsam Fir	High	5 - 10 feet	Sapling																																																		
White Pine	Low	< 5 feet	Sapling																																																		
28	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	17.2	46	51-80	N/A	Upland ridge surrounded by a donut shaped pine cut-over transition ground in the middle of a cedar swamp. No reasonable access at this time.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling/Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling/Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling/Pole	6		Paper Birch	10	Sapling	4		Balsam Fir	20	Sapling/Pole	6		Black Spruce	20	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>Black Spruce</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Labrador Tea</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Alder</td> <td>Low</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	< 5 feet	Sapling	Labrador Tea	High	< 5 feet	Tall Shrub	Alder	Low	10 - 20 feet	Tall Shrub									
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	20	Sapling/Pole	6																																																		
Paper Birch	10	Sapling	4																																																		
Balsam Fir	20	Sapling/Pole	6																																																		
Black Spruce	20	Pole	6																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Black Spruce	Low	< 5 feet	Sapling																																																		
Labrador Tea	High	< 5 feet	Tall Shrub																																																		
Alder	Low	10 - 20 feet	Tall Shrub																																																		
29	6120 - Lowland Cedar	Poletimber Well	463.6	103	111-140	N/A	There are high concentrations of cedar regeneration in places. There is an old road that is very overgrown leading to the northeast edge of the stand use this road to gain access.																																														
<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</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>95</td> <td>Pole/Log</td> <td>8</td> <td>103</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Pole	6		Paper Birch	3	Pole	7		Northern White Cedar	95	Pole/Log	8	103	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>High</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling	Northern White Cedar	High	< 5 feet	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	2	Pole	6																																																		
Paper Birch	3	Pole	7																																																		
Northern White Cedar	95	Pole/Log	8	103																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Balsam Fir	Medium	5 - 10 feet	Sapling																																																		
Northern White Cedar	High	< 5 feet	Sapling																																																		
30	429 - Mixed Upland Conifers	Sawtimber Medium	11.9	97	81-110	N/A	White pine ridge extending into cedar swamp. Some bigger diameter deciduous. Low quality and volume. Access would be difficult. Look into cutting if adjacent MD stand 83 is being harvested, as that is the only chance for access.																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
31	6220 - Alder/willow	Nonstocked	3.0			No																																					
32	6229 - Mixed lowland shrub	Nonstocked	27.4			No																																					
33	42340 - Upland Spruce/Fir	Poletimber Medium	9.8	63	Unspecified	N/A	To wet to access call made from a distance with the help of previous inventory.																																				
<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>40</td> <td>Pole/Sapling</td> <td>7</td> <td>63</td> </tr> <tr> <td>Balsam Fir</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	40	Pole/Sapling	7	63	Balsam Fir	30	Pole/Sapling	6		Black Spruce	30	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	Medium	< 5 feet	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	Black Spruce	Medium	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																							
Paper Birch	40	Pole/Sapling	7	63																																							
Balsam Fir	30	Pole/Sapling	6																																								
Black Spruce	30	Pole/Sapling	6																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Paper Birch	Medium	< 5 feet	Sapling																																								
Balsam Fir	Medium	5 - 10 feet	Sapling																																								
Black Spruce	Medium	5 - 10 feet	Sapling																																								
34	622 - Lowland Shrub	Nonstocked	3.6		Unspecified	No																																					
35	622 - Lowland Shrub	Nonstocked	16.4		Unspecified	No																																					
36	6224 - Treed Bog	Nonstocked	20.9			No																																					
37	6124 - Lowland Spruce-Fir	Poletimber Medium	21.8	85	Unspecified	N/A	Unable to reach stand, too wet. Stand is over a mile away from the closest road through wet cedar harvest unlikely.																																				