



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41158

Entry Year 2023

Acreage: 1,887

County Schoolcraft

Management Area: Seney Manistique Swamp

Stand Examiner: Mario Molin

Legal Description:

T46N R16W Sections 31,32 and 33

Identified Planning Goals:

To provide multiple use benefits for the citizens of Michigan

Soil and topography:

Saugatuck and Newton soil series. The terrain is mostly level with small rises and short, low ridges; much of it is fairly wet ground

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

The compartment is entirely state-owned. There is one privately-owned camp to the south which is accessed through this area via Hartman Camp Road.

Unique Natural Features:

None known at this time.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

Visual quality along the M-28 corridor, which forms the north boundary of the compartment.

Watershed and Fisheries Considerations:

The western region of this compartment contains Commencement Creek and Pine Creek. Commencement Creek and Pine Creek are non-designated streams less than 50' width with mean July temperatures that range from 60.0 to 62.0 °F (cold streams). 100' plus 5' per 1% increase in slope; buffers are recommended for Commencement Creek and Pine Creek to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 degrees F. Annual snowfall in this area averages between 120 and 140 inches. General Land Office (GLO) Surveyor notes indicate that this entire compartment was dominated by swamp conifer stands and open marshes in the 1850s. Cedar, tamarack, black spruce and alder (possibly some willow may have been misidentified as alder) were listed as primary species. The notes also indicate there was at least a small presence of aspen. White pine was the primary upland forest cover type. Both the Pine and Commencement Creeks flow through the western portion of this compartment, coming together approximately ¼ mile to the south. While fire and windthrow undoubtedly played a major role in the disturbance history, GLO notes show that beaver dams were also present. Although aspen and lowland hardwoods also appear to be a bit more abundant, western and central portions of this compartment appear to contain approximately the same species composition as was found by the original surveyors. However, in the eastern portion of the compartment, jack pine now plays a much more significant role than it once did.

Wildlife habitat objectives include protecting the stream corridors for the Pine and Commencement Creeks, maintaining large diameter conifers (Stand 31), providing age and structural diversity within the conifer community, and protecting the ecology of the marsh complex. Gray wolves (Michigan and federally endangered), moose (Michigan special concern) and sharp-tailed grouse (Michigan special concern) are known to utilize this compartment. The regenerating jack pine in section 33 is a good example of an area that has served as temporary sharptail habitat without being removed from forest production. Other wildlife species of interest may include ruffed grouse, American woodcock, bobcat, and black bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of Lacustrine (lake) sand and gravel. There is minor local relief in the compartment. There is

insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is used for stone/dolomite in the UP. Gravel pits are located one mile to the west but potential appears to be limited in the compartment. There is no commercial oil and gas production in the UP.

Vehicle Access:

Access is available only from the north. S. Pine Creek Rd. (gated) and Hartman Camp Rd. (un-gated private crossing) are the only permanent access points crossing the railroad tracks, though one temporary bridge is currently providing access in section 31. All non-paved roads are moderate to poor quality.

Survey Needs:

None

Recreational Facilities and Opportunities:

The area is used for remote, walk-in hunting.

Fire Protection:

Difficult access and low, wet terrain could prove to be a challenge in the event of wildfire.

Additional Compartment Information:

The following reports from the Inventory are attached:

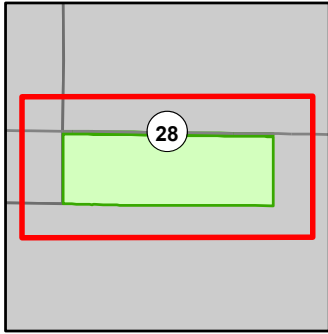
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

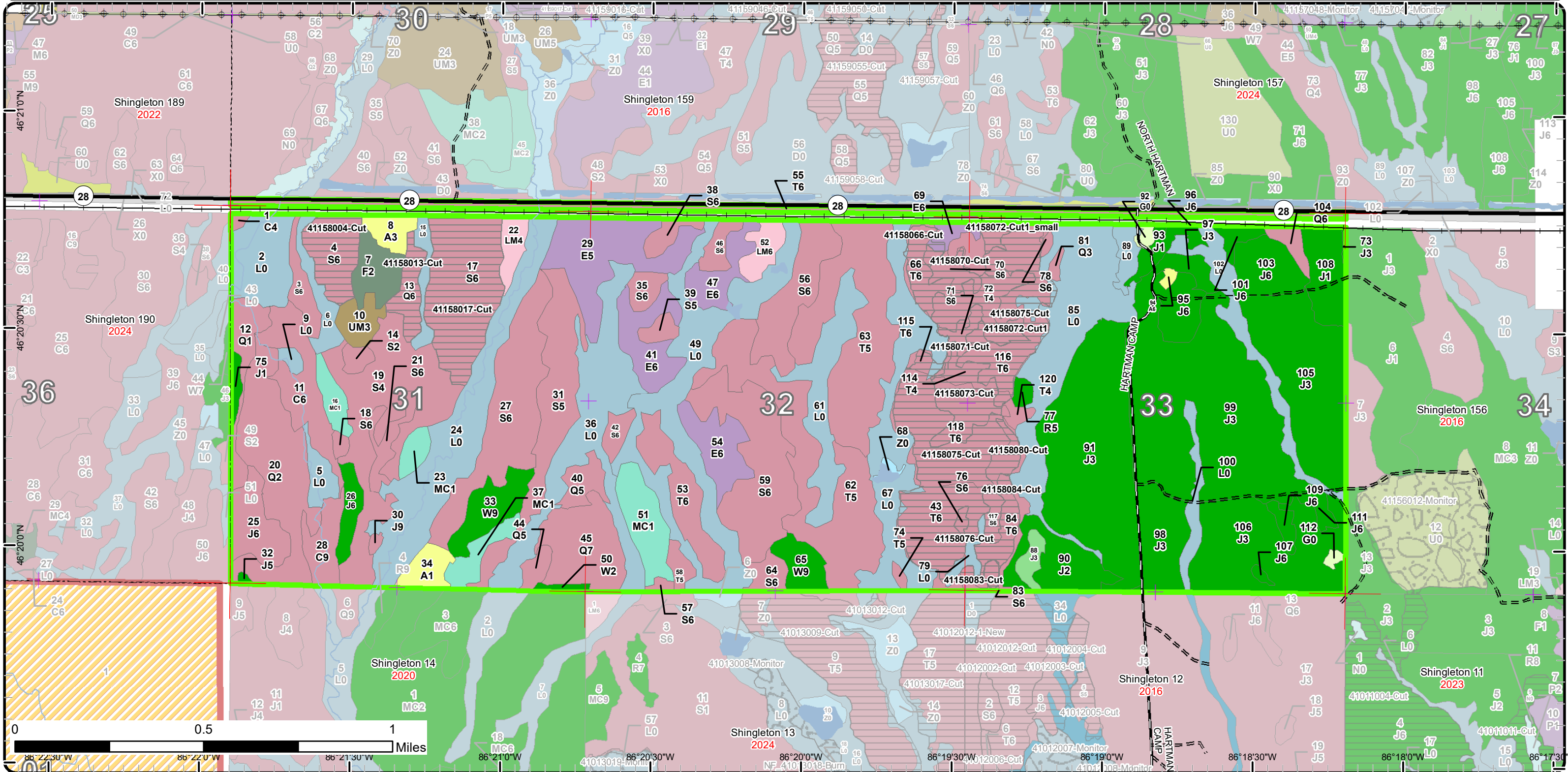
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 158
 T46N, R16W, Sec: 31-33
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2023
 Acres: 1887.4 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 1/28/2022
 Map Phase: Post Review

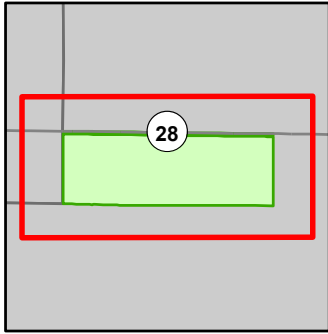


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

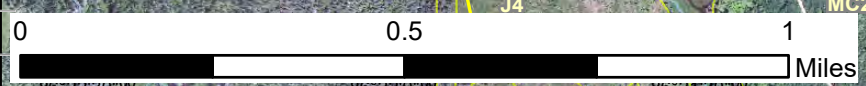
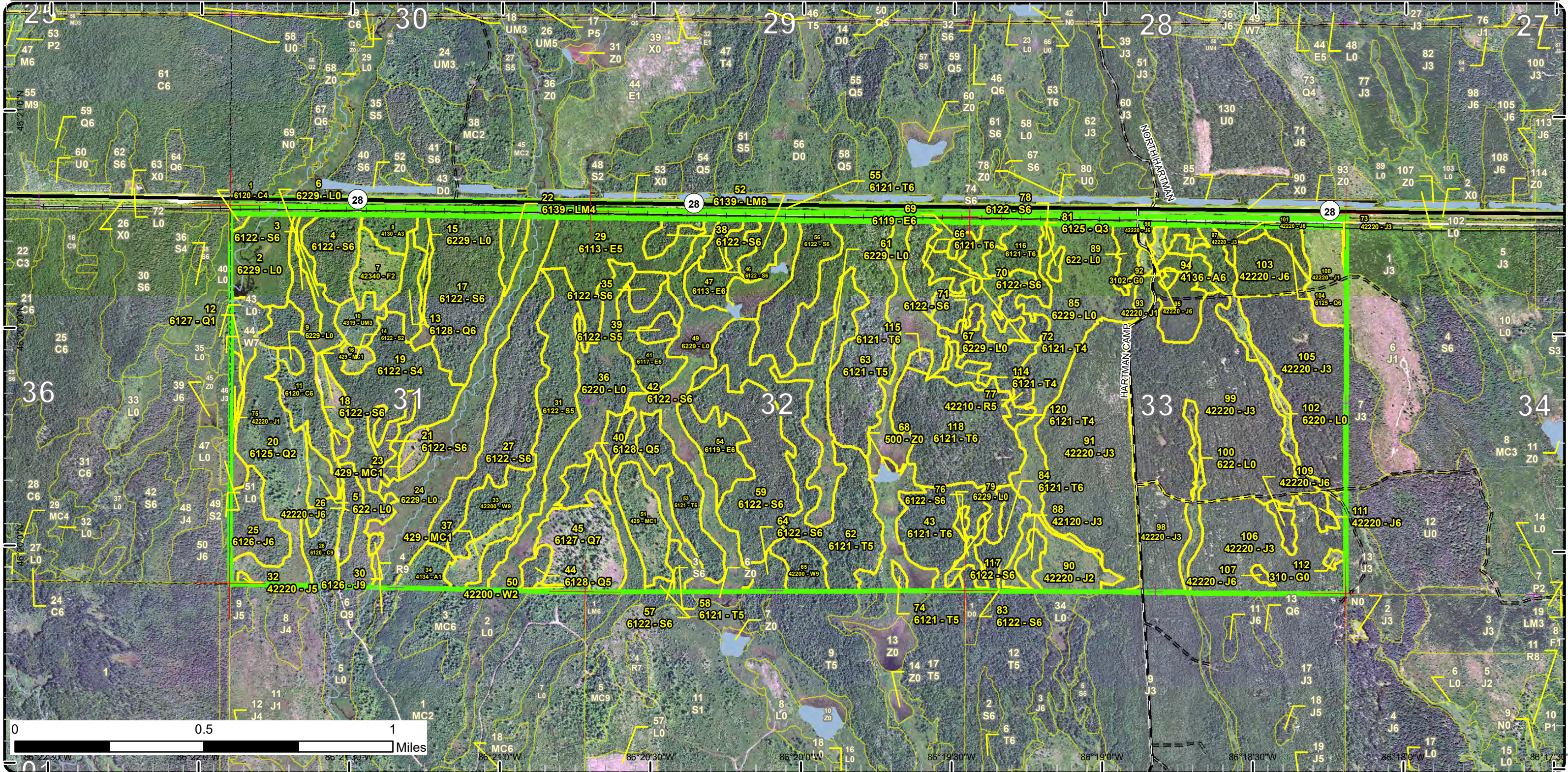


Stand Boundary Map

Compartment: 158
 T46N, R16W, Sec: 31-33
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2023
 Acres: 1887.4 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 1/28/2022
 Map Phase: Post Review



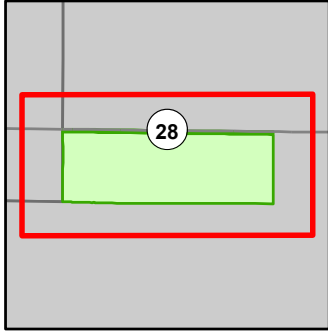
- Miris Corners
 - + Remonumented Section Corners
 - Counties
 - DNR - Primary Forest Road
 - DNR - Forest Access Route
 - Federal / State Highway
 - Private - Dirt / Gravel Road
 - Active Railroads
 - Intermittent Stream
 - Lake/Pond
 - Perennial River
 - Lakes and Rivers
 - Powerline
 - Compartment Boundary
- Stand Boundaries
 - 413 - Aspen
 - 421 - Planted Pines
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 - 423 - Other Upland Conifers
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 - 500 - Water
 - 622 - Lowland Shrub



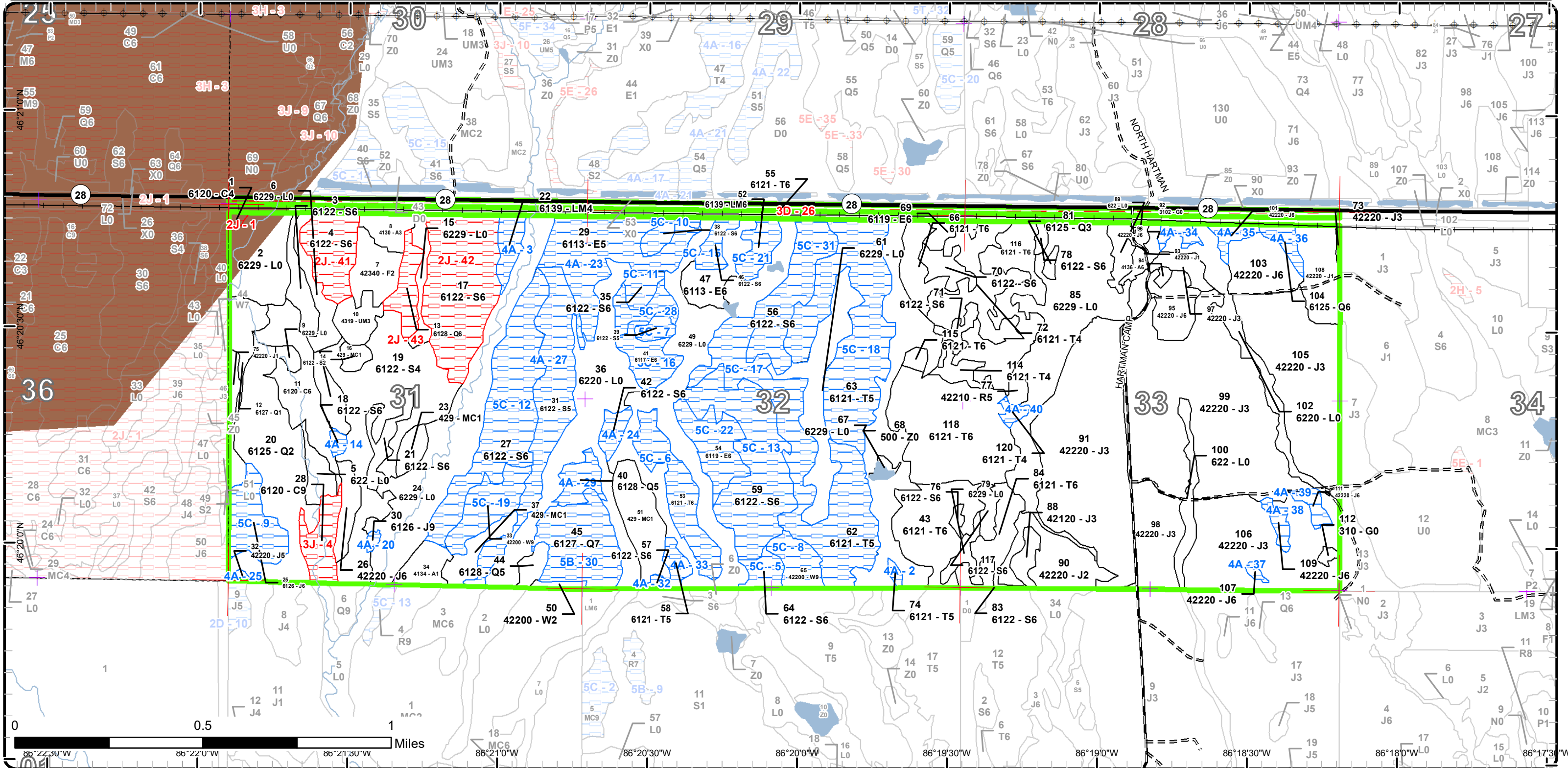
86°22'30"W 86°22'0"W 86°21'30"W 86°21'0"W 86°20'30"W 86°20'0"W 86°19'30"W 86°19'0"W 86°18'30"W 86°18'0"W 86°17'30"W

Special Conservation Areas

Compartment: 158
T46N, R16W, Sec: 31-33
County: Schoolcraft
Unit: Shingleton
Mgmt Area: Seney Manistique Swamp
YOE: 2023
Acres: 1887.4 GIS Calculated
Examiner: Mario Molin
Map Revised: 1/28/2022
Map Phase: Post Review



- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



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	0	15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	16
Cedar	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	11	0	35
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Jack Pine	0	0	44	172	126	75	0	11	4	0	17	0	0	0	0	0	0	0	447
Lowland Conifers	0	0	0	60	1	0	0	4	0	9	7	4	0	0	28	0	0	0	113
Lowland Deciduous	0	0	0	0	0	0	0	4	12	36	0	16	0	18	0	0	0	0	86
Lowland Mixed Forest	0	0	0	0	0	0	0	0	6	0	0	8	0	0	0	0	0	0	14
Lowland Shrub	395	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395
Lowland Spruce/Fir	0	0	3	0	0	0	0	15	0	234	21	6	9	0	0	0	0	59	346
Red Pine	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Tamarack	0	0	0	0	0	0	0	0	0	0	35	64	61	184	0	0	0	0	344
Upland Conifers	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Upland Mixed Forest	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	25	0	27
Total	400	0	119	234	127	76	0	34	16	287	80	122	70	202	28	0	36	59	1887



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 158

Total Compartment Acres: 1,887

Commercial Harvest - 170
 Harvests with Site Condition - 72
 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
Lowland Conifers	9	0	0	0	0	0	0	0	0	9
Lowland Spruce/Fir	77	0	0	0	0	0	0	0	0	77
Tamarack	156	0	0	0	0	0	0	0	0	156
Total	242	0	0	0	0	0	0	0	0	242

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	242	0	0	0	0	0	0	0	0	242
Next Step	0	0	0	0	0	72	0	0	0	72
Total	242	0	0	0	0	72	0	0	0	314



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
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Approved Treatments:

4	41158004-Cut	17.2	6122 - Black Spruce	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Blocked by Railroad <u>Proposed Start Date:</u> 10/1 /2022</p>											
13	41158013-Cut	9.2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	87	1-50	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any mix of species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Blocked by Railroad <u>Proposed Start Date:</u> 10/1 /2022</p>											
17	41158017-Cut	45.5	6122 - Black Spruce	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Blocked by Railroad <u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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66	41158066-Cut	11.1	6121 - Tamarack	Poletimber Well	108	51-80	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

70	41158070-Cut	5.7	6122 - Black Spruce	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

71	41158071-Cut	4.2	6122 - Black Spruce	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

72	41158072-Cut1	16.3	6121 - Tamarack	Poletimber Poor	104	1-50	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site.

Site Condition

Proposed Start Date: 10/1 /2012



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
72 41158072-Cut1_small	2.8	6121 - Tamarack	Poletimber Poor	104	1-50	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
<p><u>Prescription</u> Clearcut with white pine reserved. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2012</p>										
118 41158073-Cut	17.5	6121 - Tamarack	Poletimber Well	121	81-110	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
<p><u>Prescription</u> Clearcut with white pine reserved. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2012</p>										
118 41158075-Cut	91.6	6121 - Tamarack	Poletimber Well	121	81-110	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
<p><u>Prescription</u> Clearcut with white pine reserved. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2012</p>										
76 41158076-Cut	1.3	6122 - Black Spruce	Poletimber Well	114	1-50	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut without reserves, area is too small in acreage. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of current species on site. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2012</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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118	41158080-Cut	8.8	6121 - Tamarack	Poletimber Well	121	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of
Comment: current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

83	41158083-Cut	2.6	6122 - Black Spruce	Poletimber Well	117	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of
Comment: current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

84	41158084-Cut	8.3	6121 - Tamarack	Poletimber Well	121	81-110	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	No
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Prescription Clearcut with white pine reserved.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Natural regeneration, check regeneration according to work instructions. Acceptable regeneration is any mix of
Comment: current species on site.

Site Condition

Proposed Start Date: 10/1 /2012

Total Treatment 242.1
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin : Examiner

Compartment: 158
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions					
Acres	Available	With Condition	Not Available	4A	5B	5C	2J	3D	3J
16	16	0	0	Aspen		0			
35	23	0	12	Cedar			1		11
3	3	0	0	Herbaceous Openland					
448	416	33	0	Jack Pine	16	16			0
114	65	39	9	Lowland Conifers	12	28	0	9	0
86	16	70	0	Lowland Deciduous	36		33		
14	0	14	0	Lowland Mixed Forest	6		8		
396	396	0	0	Lowland Shrub	0	0			
345	97	185	63	Lowland Spruce/Fir	44		141	63	0
2	2	0	0	Red Pine					
344	161	148	35	Tamarack	7		141		35
37	37	0	0	Upland Conifers					
8	8	0	0	Upland Mixed Forest					
12	12	0	0	Upland Spruce/Fir					
2	2	0	0	Water					
26	2	24	0	White Pine		24			
1,888	1,255	513	120	Total Forested Acres	122	28	364	73	35
	66%	27%	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	Unavailable	2J: Blocked by Railroad	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 158

Mario Molin : Examiner

Year of Entry: 2023

3	Available	4A: No Markets Available for these Forest Products	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 158

Year of Entry: 2023

9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 158

Mario Molin : Examiner

Year of Entry: 2023

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 158

Mario Molin : Examiner

Year of Entry: 2023

21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	4A: No Markets Available for these Forest Products	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3D: Recreational / Scenic values	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 158

Mario Molin : Examiner

Year of Entry: 2023

27	Available	4A: No Markets Available for these Forest Products	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	4A: No Markets Available for these Forest Products	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 158

Mario Molin : Examiner

Year of Entry: 2023

33	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 158

Year of Entry: 2023

39	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2J: Blocked by Railroad	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2J: Blocked by Railroad	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2J: Blocked by Railroad	9	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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
1	6120 - Lowland Cedar	Poletimber Poor	1.1	101	1-50	N/A																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>75</td> <td>Pole/Sapling</td> <td>5</td> <td>101</td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	75	Pole/Sapling	5	101	Black Spruce	25	Pole	6																	
Canopy Species	% Cover	Size Class	DBH	Age																																		
Northern White Cedar	75	Pole/Sapling	5	101																																		
Black Spruce	25	Pole	6																																			
2	6229 - Mixed lowland shrub	Nonstocked	22.7			No																																
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low		Sapling	Northern White Cedar	Low		Sapling	Tag Alder	Medium		Tall Shrub															
Sub-Canopy Species	Density	Avg. Height	Size																																			
Black Spruce	Low		Sapling																																			
Northern White Cedar	Low		Sapling																																			
Tag Alder	Medium		Tall Shrub																																			
3	6122 - Black Spruce	Poletimber Well	7.7	68	51-80	N/A	Scattered white pine with red maple and tamarack on edges.																															
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Balsam Fir	Low	Variable	Sapling																																			
4	6122 - Black Spruce	Poletimber Well	17.2	87	81-110	N/A	Can wait 10 years but would add value to a sale if cutting some other poor stands.																															
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Canopy Species	% Cover	Size Class	DBH	Age																																		
Paper Birch	2	Pole	8																																			
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Red Maple	Low	Variable	Sapling																																			
Balsam Fir	Low	Variable	Sapling																																			
Black Spruce	Low	Variable	Sapling																																			
5	622 - Lowland Shrub	Nonstocked	6.4	0	Unspecified	No	Mixed regeneration, some spots are 100% aspen and other areas are aspen with mixed pine.																															
6	6229 - Mixed lowland shrub	Nonstocked	8.6			No																																
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Willow spp.	Medium		Tall Shrub																																			
Tamarack	Low		Sapling																																			
Black Spruce	Low		Sapling																																			
7	42340 - Upland Spruce/Fir	Sapling Medium	12.0	17	Immature	N/A	Recent cut with paper birch as reserve.																															
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Red Maple	10	Sapling	2																																			
White Pine	5	Sapling	2																																			
Tamarack	10	Sapling	2																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4130 - Aspen	Sapling Well	6.8	17	Immature	N/A	Aspen whips with white pine residual/superstory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Sapling	3		Black Spruce	
Quaking Aspen		95	Sapling	3	17	Jack Pine	
						Red Maple	
						White Pine	
						Density	
						Avg. Height	
						Size	
9	6229 - Mixed lowland shrub	Nonstocked	2.1			No	
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		High		Tall Shrub			
Northern White Cedar		Low		Pole			
10	4319 - Mixed Upland Forest	Sapling Well	7.9	16	Immature	N/A	Recently cut, with white pine reserved.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		15	Sapling	2			
Tamarack		15	Sapling	2			
Black Spruce		20	Sapling	2			
Quaking Aspen		50	Sapling	2	16		
11	6120 - Lowland Cedar	Poletimber Well	23.0	108	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	8		Black Spruce	
Northern White Cedar		85	Pole/Log	9	108	Balsam Fir	
Tamarack		5	Pole	8		Alder	
Paper Birch		5	Pole	6		Density	
						Avg. Height	
						Size	
12	6127 - Lowland Pine	Sapling Poor	11.8	23	Immature	N/A	older cut, split stand- with white pine reserved. A significant amount of cedar in stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		25	Sapling	3			
Black Spruce		10	Sapling	3			
Paper Birch		5	Sapling	3			
Jack Pine		35	Sapling	3	23		
White Pine		25	Sapling	3			
13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.2	87	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		40	Pole	9	87	Balsam Fir	
Red Maple		25	Pole	6		Alder	
Black Spruce		35	Pole	8		Red Maple	
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
14	6122 - Black Spruce	Sapling Medium	3.2	17	Immature	N/A	Recent cut with birch and maple residual.																																										
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15	6229 - Mixed lowland shrub	Nonstocked	5.8			No																																											
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Willow spp.	Medium		Tall Shrub																																														
16	429 - Mixed Upland Conifers	Sapling Poor	6.6	16	Immature	N/A	Recent cut with white pine and paper birch reserved.																																										
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17	6122 - Black Spruce	Poletimber Well	45.5	85	81-110	N/A	Trees are not growing, good unit to add lots of value to a sale. 4-4 sticks. Can hold 10 years if needed.																																										
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18	6122 - Black Spruce	Poletimber Well	1.6	98	81-110	N/A	Can be cut but very small and next to old cuts and L-types. 4-sticks tall.																																										
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19	6122 - Black Spruce	Poletimber Poor	58.6	89	1-50	N/A	Small pockets within the stand of only cedar or black spruce.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
20	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	48.1	23	Immature	N/A	Mixed regeneration, some spots are 100% aspen and other areas are aspen with mixed pine.																																										
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21	6122 - Black Spruce	Poletimber Well	7.2	64	1-50	N/A																																											
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22	6139 - Mixed Lowland Forest	Poletimber Poor	6.4	89	1-50	N/A																																											
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23	429 - Mixed Upland Conifers	Sapling Poor	4.8	17	Immature	N/A	Old cut, a mix of pine is regenerating. It looks like this area holds water.																																										
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24	6229 - Mixed lowland shrub	Nonstocked	60.0			No	Stream corridor.																																										
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25	6126 - Lowland Jack Pine	Poletimber Well	16.3	98	51-80	N/A																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	42220 - Natural Jack Pine	Poletimber Well	7.0	40	1-50	N/A	Patchy, has lots of lows to the south.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Log/Pole	10		White Pine	
Jack Pine		80	Pole	5	40	Jack Pine	
Black Spruce		5	Pole	5		Black Spruce	
Tamarack		10	Pole	5		Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
27	6122 - Black Spruce	Poletimber Well	46.4	87	81-110	N/A	Can be held 10 years, Can be added if needing to add value/acres to a sale. Trees are 4 sticks tall.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		5	Pole	8		Balsam Fir	
White Pine		5	Log	16		Red Maple	
Jack Pine		10	Pole	8			
Black Spruce		80	Pole	8	87		
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
28	6120 - Lowland Cedar	Sawtimber Well	11.3	151	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	6		Balsam Fir	
White Pine		5	Pole	8		Jack Pine	
Black Spruce		15	Pole	8		Alder	
Tamarack		10	Log	10		Black Spruce	
Northern White Cedar		65	Log	10	151	Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
29	6113 - Lowland Maple	Poletimber Medium	36.1	87	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		10	Pole	6	87	Alder	
Red Maple		60	Pole	6	87	Red Maple	
Tamarack		10	Pole	6		Balsam Fir	
White Pine		10	Pole	6		Black Spruce	
Paper Birch		10	Pole	6		Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
						Sapling	
30	6126 - Lowland Jack Pine	Sawtimber Well	1.0	98	51-80	N/A	Small island, will be difficult to access for very little wood.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Log	10		Northern White Cedar	
Jack Pine		85	Log/Pole	10	98	Alder	
Black Spruce		10	Pole	6		Black Spruce	
						Red Maple	
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
31	6122 - Black Spruce	Poletimber Medium	36.9	87	51-80	N/A																																																	
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32	42220 - Natural Jack Pine	Poletimber Medium	0.6	77	1-50	N/A																																																	
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33	42200 - Natural White Pine	Sawtimber Well	14.9	161	81-110	N/A	Stand changes a bit on the north end, has a 2-aged look.																																																
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34	4134 - Aspen, Spruce/Fir	Sapling Poor	7.9	16	Immature	N/A	Regenerating well.																																																
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35	6122 - Black Spruce	Poletimber Well	5.1	94	81-110	N/A	Trees are 4-5 sticks tall.																																																
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36	6220 - Alder/willow	Nonstocked	54.0			No																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37	429 - Mixed Upland Conifers	Sapling Poor	8.1	16	Immature	N/A	Very open with patchy regeneration.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		5	Sapling	2		White Pine	
Black Spruce		45	Sapling	2		Black Spruce	
White Pine		50	Sapling	2	16	Density	
						Avg. Height	
						Size	
						Seeding	

38	6122 - Black Spruce	Poletimber Well	4.8	98	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Sapling/Pole	4		Balsam Fir	
White Pine		5	XLog/Log	22		Black Spruce	
Black Spruce		85	Pole	8	98	Density	
Jack Pine		5	Pole	8		Avg. Height	
						Size	
						Sapling	

39	6122 - Black Spruce	Poletimber Medium	3.6	97	51-80	N/A	Small stand, coreing shows that it isnt growing, small acreage but would be good extra value to another low value stand in area.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		95	Pole	7	97	Black Spruce	
Tamarack		5	Pole	8		Density	
						Avg. Height	
						Size	
						Sapling	

40	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	7.3	94	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		25	Pole	6	94	Black Spruce	
Tamarack		25	Pole	8		White Pine	
Red Maple		15	Pole	6		Balsam Fir	
White Pine		25	Pole/Log	9		Red Maple	
Paper Birch		10	Pole	6		Alder	
						Density	
						Avg. Height	
						Size	
						Tall Shrub	

41	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	17.5	124	51-80	N/A	Access may be an issue. Cut with spruce to the north.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		15	Pole	8		Red Maple	
Paper Birch		30	Pole	8	124	Balsam Fir	
Red Maple		25	Pole	6		Black Spruce	
Tamarack		10	Pole	8		Density	
Quaking Aspen		20	Pole	8		Avg. Height	
						Size	
						Sapling	

42	6122 - Black Spruce	Poletimber Well	4.4	89	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		80	Pole	8	89	Black Spruce	
Tamarack		10	Pole	8		Balsam Fir	
White Pine		5	Log	16		Red Pine	
Red Maple		5	Pole	6		Density	
						Avg. Height	
						Size	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
43	6121 - Tamarack	Poletimber Well	27.0	124	81-110	N/A	Small pockets of spruce, use as buffer along marsh when possible (keep alder from encroaching). stand is patchy BA can range from 20 to 120.																																															
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44	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	4.0	66	1-50	N/A																																																
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45	6127 - Lowland Pine	Sawtimber Poor	27.6	139	1-50	N/A																																																
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47	6113 - Lowland Maple	Poletimber Well	12.2	71	51-80	N/A	Consider cutting in 10 years.																																															
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49	6229 - Mixed lowland shrub	Nonstocked	65.9			No																																																
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50	42200 - Natural White Pine	Sapling Medium	1.9	26	Immature	N/A	Old cut, carries up from southern compartment.																																														
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51	429 - Mixed Upland Conifers	Sapling Poor	17.3	17	Immature	N/A	Recent cut, red and white pine superstorey reserve trees.																																														
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52	6139 - Mixed Lowland Forest	Poletimber Well	7.7	104	81-110	N/A																																															
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53	6121 - Tamarack	Poletimber Well	20.5	108	51-80	N/A	Has a finger of Jack Pine in the south east and a finger of White Pine and Red Pine on the west side.																																														
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54	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	15.9	107	51-80	N/A	Poor quality and stocking site, old red line found (no records that this was prescribed in past)																																														
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55	6121 - Tamarack	Poletimber Well	35.3	98	1-50	N/A	Minimal amount of trees that are actually "ours" because of railroad and highway right-of-way.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	6122 - Black Spruce	Poletimber Well	24.2	83	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		10	Log	10		Balsam Fir	
Tamarack		10	Pole	8		Black Spruce	
Black Spruce		80	Pole	6	83	Red Maple	
						Density	Avg. Height
							Size
						Medium	Variable
						Low	Variable
						Low	Variable
							Sapling
							Sapling
							Sapling
57	6122 - Black Spruce	Poletimber Well	1.4	87	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		100	Pole	6	87		
58	6121 - Tamarack	Poletimber Medium	3.9	108	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		25	Log	12		Black Spruce	
Tamarack		65	Pole	6	108	Red Maple	
Black Spruce		10	Pole	6		Alder	
						Density	Avg. Height
							Size
						Low	Variable
						Low	Variable
						Medium	Variable
							Tall Shrub
59	6122 - Black Spruce	Poletimber Well	45.8	85	81-110	N/A	Will want to include if cutting in that area. 4-5 sticks tall.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		5	Pole	6		Black Spruce	
Bigtooth Aspen		5	Pole	8			
Black Spruce		80	Pole	7	85		
Paper Birch		5	Pole	6			
White Pine		5	XLog/Log	18			
						Density	Avg. Height
							Size
						Low	Variable
							Sapling
61	6229 - Mixed lowland shrub	Nonstocked	27.3			No	Tag alder on the edges with willow in the middle.
Sub-Canopy Species		Density	Avg. Height	Size			
Willow spp.		Medium		Tall Shrub			
Tag Alder		Medium		Tall Shrub			
62	6121 - Tamarack	Poletimber Medium	61.2	113	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		50	Log/Pole	10	113	Balsam Fir	
Black Spruce		30	Pole	6		Black Spruce	
Red Maple		20	Pole	6		Red Maple	
						Density	Avg. Height
							Size
						Low	Variable
						Low	Variable
						Low	Variable
							Sapling
							Sapling
							Sapling
63	6121 - Tamarack	Poletimber Medium	59.4	128	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		30	Pole	8		Black Spruce	
Tamarack		70	Pole/Log	9	128	Alder	
						Red Pine	
						Density	Avg. Height
							Size
						Low	Variable
						Low	Variable
						Low	Variable
							Sapling
							Sapling
							Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	6122 - Black Spruce	Poletimber Well	5.6	108	51-80	N/A	The south end has more jack pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		30	Pole	8	108	Tamarack	
Black Spruce		55	Pole	8	108	White Pine	
Jack Pine		15	Pole	8		Black Spruce	
						Density	Avg. Height
							Size
65	42200 - Natural White Pine	Sawtimber Well	9.5	161	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		20	Pole	8		White Pine	
White Pine		65	XLog	22	161	Black Spruce	
Red Maple		5	Pole	6		Balsam Fir	
Paper Birch		10	Pole	6		Red Maple	
						Density	Avg. Height
							Size
66	6121 - Tamarack	Poletimber Well	10.5	108	51-80	N/A	Can hold for 10 years
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		85	Pole	8	108	Balsam Fir	
Paper Birch		10	Pole	8		Black Spruce	
Red Maple		5	Pole	6		Red Maple	
						Density	Avg. Height
							Size
67	6229 - Mixed lowland shrub	Nonstocked	45.8			No	Tag alder on the edges with willow in the middle.
						Sub-Canopy Species	
						Density	Avg. Height
							Size
68	500 - Water	Nonstocked	1.5			No	
69	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	4.2	65	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		50	Pole	5	65		
Bigtooth Aspen		15	Pole	5			
Red Maple		30	Pole	5			
Tamarack		5	Pole	5			
70	6122 - Black Spruce	Poletimber Well	6.2	87	81-110	N/A	Can hold for 10 years
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		100	Pole	8	87		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
71	6122 - Black Spruce	Poletimber Well	4.3	84	81-110	N/A	Can hold 10 years. Has lots of good balsam fir and spruce regeneration in openings.																																					
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72	6121 - Tamarack	Poletimber Poor	23.6	104	1-50	N/A																																						
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73	42220 - Natural Jack Pine	Sapling Well	0.7	24	Immature	N/A	Small bleed over from next compartment.																																					
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74	6121 - Tamarack	Poletimber Medium	1.2	124	1-50	N/A	Small island.																																					
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75	42220 - Natural Jack Pine	Sapling Poor	2.8	23	1-50	N/A	older cut, with white pine reserved. A significant amount of cedar in stand.																																					
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Jack Pine	70	Sapling	3	23																																								
76	6122 - Black Spruce	Poletimber Well	1.3	114	1-50	N/A	Cut with stand 66.																																					
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77	42210 - Natural Red Pine	Poletimber Medium	2.3	89	1-50	N/A																																						
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Black Spruce	Low	Variable	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
78	6122 - Black Spruce	Poletimber Well	1.5	89	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		100	Pole	7	89	Black Spruce	
						Red Maple	
						Balsam Fir	
						Density	Avg. Height
						Low	Variable
						High	Variable
						Low	Variable
							Size
							Sapling
							Sapling
							Sapling
79	6229 - Mixed lowland shrub	Nonstocked	3.9			No	
						Sub-Canopy Species	
						Tamarack	
						Black Spruce	
						Tag Alder	
						Willow spp.	
						Density	Avg. Height
						Trace	
						Trace	
						Low	
						Medium	
							Size
							Pole
							Pole
							Tall Shrub
							Tall Shrub
81	6125 - Lowland Black Spruce, Jack Pine	Sapling Well	1.4	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		45	Sapling	3	36	Black Spruce	
Jack Pine		40	Sapling	3		Tamarack	
Tamarack		15	Sapling	3			
						Density	Avg. Height
						Low	Variable
						High	Variable
							Size
							Sapling
							Sapling
83	6122 - Black Spruce	Poletimber Well	3.4	117	81-110	N/A	Small acres but meets age .
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		5	Pole	8		Black Spruce	
Black Spruce		95	Pole	8	117	Red Maple	
						Density	Avg. Height
						Low	Variable
						Low	Variable
							Size
							Sapling
							Sapling
84	6121 - Tamarack	Poletimber Well	10.9	121	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	8		Black Spruce	
Tamarack		95	Pole	8	121	Red Maple	
						Density	Avg. Height
						Low	Variable
						Low	Variable
							Size
							Sapling
							Sapling
85	6229 - Mixed lowland shrub	Nonstocked	59.8			No	
						Sub-Canopy Species	
						Jack Pine	
						Tamarack	
						Red Maple	
						Density	Avg. Height
						Low	
						Low	
						Low	
							Size
							Sapling
							Sapling
							Sapling
88	42120 - Planted Jack Pine	Sapling Well	4.5	17	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		5	Sapling	2			
Jack Pine		90	Sapling	2	17		
Tamarack		5	Sapling	2			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
89	622 - Lowland Shrub	Nonstocked	5.7		Immature	4222 - Natural Jack Pine			
90	42220 - Natural Jack Pine	Sapling Medium	19.0	10	Immature	N/A	FTP cancelled, stand is filling in with JP and Tamarack, some grassy areas where ground is too wet for trees.		
Canopy Species		% Cover	Size Class	DBH	Age				
Tamarack		25	Sapling	4	10				
Jack Pine		75	Sapling	3	10				
91	42220 - Natural Jack Pine	Sapling Well	86.0	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10	Sapling	2		Jack Pine	Low	Variable	Sapling
Jack Pine		90	Sapling	3	27	Black Spruce	Low	Variable	Sapling
92	3102 - Grass	Nonstocked	1.8			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Jack Pine		Low		Sapling					
93	42220 - Natural Jack Pine	Sapling Poor	4.0	10	Immature	N/A	Contract 41-024-10-01 "Black Jack" FTP # C41-1455 Regen check 9/16 = passed with flying colors.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	1	10				
94	4136 - Aspen, Mixed Conifer	Poletimber Well	1.0	43	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		80	Pole	6	43				
Jack Pine		5	Pole	6					
Black Spruce		15	Sapling/Pole	4					
95	42220 - Natural Jack Pine	Poletimber Well	12.1	45	1-50	N/A	Stand was prescribe burned in 1977.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Pole/Sapling	5	45				
96	42220 - Natural Jack Pine	Poletimber Well	3.0	69	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		5	Pole	8		Balsam Fir	Low	< 5 feet	Sapling
Tamarack		15	Pole	8		Black Spruce	Low	< 5 feet	Sapling
Jack Pine		80	Pole	8	69	Red Maple	Low	< 5 feet	Sapling
97	42220 - Natural Jack Pine	Sapling Well	5.3	24	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	3	24				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
98	42220 - Natural Jack Pine	Sapling Well	21.5	24	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		2	Sapling	2		Jack Pine	Low	< 5 feet	Sapling
Jack Pine		98	Sapling	3	24				
99	42220 - Natural Jack Pine	Sapling Well	110.4	38	1-50	N/A	Dense J3 starting to make 1-stick.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		90	Sapling/Pole	4	38	Black Spruce	Low	< 5 feet	Sapling
Black Spruce		10	Sapling	3		Jack Pine	Low	< 5 feet	Sapling
100	622 - Lowland Shrub	Nonstocked	8.1			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Tag Alder		Medium	Variable	Tall Shrub					
Willow spp.		Medium	Variable	Tall Shrub					
101	42220 - Natural Jack Pine	Poletimber Well	3.9	65	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		35	Pole	6		Tamarack	Low	Variable	Sapling
Jack Pine		60	Pole	8	65	Red Maple	Low	Variable	Sapling
Tamarack		5	Pole	6		Black Spruce	Low	Variable	Sapling
102	6220 - Alder/willow	Nonstocked	19.6			No	This stand is a lowland drainage between 2 young jack pine stands. It does have large, old, unhealthy aspen scattered along the edges.		
Sub-Canopy Species		Density	Avg. Height	Size					
Bigtooth Aspen		Low		Log					
Jack Pine		Low		Sapling					
Red Maple		Low		Sapling					
103	42220 - Natural Jack Pine	Poletimber Well	15.6	38	51-80	N/A	Lots of pit-mound topography.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		40	Pole	5		Black Spruce	Medium	Variable	Sapling
Jack Pine		60	Pole	6	38	Jack Pine	Medium	Variable	Sapling
104	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	4.2	102	1-50	N/A	Appears to be a drainage with a mix of species. The north portion has a significant portion of much older/larger aspen and jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		25	Pole	5		Black Spruce	Medium	Variable	Sapling
Tamarack		20	Pole	5					
Bigtooth Aspen		25	Pole	5					
Jack Pine		30	Pole	7	102				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
105	42220 - Natural Jack Pine	Sapling Well	55.9	44	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		90	Sapling/Pole	4	44	Jack Pine	Low	< 5 feet	Sapling
Black Spruce		10	Sapling	4		Black Spruce	Low	< 5 feet	Sapling
106	42220 - Natural Jack Pine	Sapling Well	55.0	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		95	Sapling	2	27	Jack Pine	Low	Variable	Sapling
Black Spruce		5	Sapling	2					
107	42220 - Natural Jack Pine	Poletimber Well	1.0	61	1-50	N/A	Looks to be a retention area from the past harvest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		5	Pole	5		Jack Pine	Low	Variable	Sapling
Tamarack		10	Pole	6		Black Spruce	Low	Variable	Sapling
Jack Pine		85	Pole	6	61				
108	42220 - Natural Jack Pine	Sapling Poor	16.2	10	Immature	N/A	41-024-10-01 "Black Jack"FTP C41-1455regen check = passed with flying colors		
Canopy Species		% Cover	Size Class	DBH	Age				
Bigtooth Aspen		5	Sapling	1					
Tamarack		5	Sapling	1					
Jack Pine		90	Sapling	1	10				
109	42220 - Natural Jack Pine	Poletimber Well	3.4	70	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole	6	70	Black Spruce	Low	Variable	Sapling
111	42220 - Natural Jack Pine	Poletimber Well	3.4	69	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		15	Pole	8		Quaking Aspen	Low	Variable	Sapling
Jack Pine		85	Pole	6	69	Black Spruce	Low	Variable	Sapling
112	310 - Herbaceous Openland	Nonstocked	1.2			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Jack Pine		Low		Sapling					
114	6121 - Tamarack	Poletimber Poor	5.1	107	1-50	N/A	Area was cut in the past (old cut) may be able to use this area to gain access into the other stands.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		100	Pole	8	107	Willow spp.	Low	Variable	Tall Shrub
						Alder	Low	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
115	6121 - Tamarack	Poletimber Well	2.0	124	81-110	N/A	Small pockets of spruce, use as buffer along marsh when possible (keep alder from encroaching). stand is patchy BA can range from 20 to 120.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	8		Tamarack	
Tamarack		95	Pole	8	124	Alder	
						Red Maple	
						Density	
						Avg. Height	
						Size	
116	6121 - Tamarack	Poletimber Well	29.7	124	81-110	N/A	Small pockets of spruce, use as buffer along marsh when possible (keep alder from encroaching). stand is patchy BA can range from 20 to 120.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		95	Pole	8	124	Red Maple	
Black Spruce		5	Pole	8		Tamarack	
						Alder	
						Density	
						Avg. Height	
						Size	
117	6122 - Black Spruce	Poletimber Well	3.8	119	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		100	Pole	7	119	Black Spruce	
						Density	
						Avg. Height	
						Size	
118	6121 - Tamarack	Poletimber Well	51.4	121	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	8		Red Maple	
Tamarack		95	Pole	8	121	Black Spruce	
						Density	
						Avg. Height	
						Size	
120	6121 - Tamarack	Poletimber Poor	2.2	124	51-80	N/A	Small pockets of spruce, use as buffer along marsh when possible (keep alder from encroaching). stand is patchy BA can range from 20 to 120.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		55	Pole	8	124	Alder	
Black Spruce		45	Pole	8		Tamarack	
						Red Maple	
						Density	
						Avg. Height	
						Size	