



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41016

Entry Year 2023

Acreage: 1,595

County Schoolcraft

Management Area: Seney Manistique Swamp

Stand Examiner: Mario Molin

Legal Description:

T45N R16W Sections 22, 23 and 27

Identified Planning Goals:

To manage the compartment in accordance with the principles of sustainable forest ecosystem management, with emphasis on timber production, maintaining & enhancing wildlife habitat, and protection of riparian areas.

Soil and topography:

Flat to gently rolling terrain with sandy soils throughout; some of the lower areas display relatively poor drainage.

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

There are a few Private parcels on the south and western edge of the compartment. To the east is the Seney wildlife refuge.

Unique Natural Features:

The West Branch Manistique River flows through this compartment.

Archeological, Historical, and Cultural Features:

None Known

Special Management Designations or Considerations:

None Known

Watershed and Fisheries Considerations:

This compartment contains the West Branch of the Manistique River and includes unnamed streams that serve as tributary to the West Branch of the Manistique River. The West Branch of the Manistique River and unnamed tributaries are non-designated streams less than 50' width and have predicted mean July temperatures that range from 62.1 to 65.6 °F (cold streams). 100' plus 5' per 1% increase in slope; buffers are recommended for these streams 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 F. Annual snowfall in this area averages between 120 and 140 inches. General Land Office (GLO) Surveyor notes show cedar, tamarack, and black spruce with an understory of spruce and alder to be the primary forest type. Upland knolls held a combination of white pine, red pine, hemlock, yellow birch, and red maple. Windthrow and fire were likely the major sources of natural disturbance. Beaver ponds along some of the feeder creeks into the West Branch of the Manistique were also observed during the original survey. Current forest types have been skewed heavily toward early successional species such as red pine, jack pine and aspen. Some of the lowlands continue to contain forest cover similar to the presettlement conditions. Wildlife habitat objectives include maintaining closed canopy lowland coniferous forest, promoting supercanopy white pine, protecting the riverine corridors, and providing age and structural diversity within the coniferous forest. Gray wolves (Federal and Michigan endangered) and moose (Michigan special concern) are known to utilize this compartment. Wood turtles (Michigan special concern) could potentially use the West Branch of the Manistique River. Other species of interest include spruce grouse, red-breasted nuthatch, river otter, and beaver.

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 subgroups below the glacial drift. The Black River is used for stone/dolomite. The nearest gravel pit is 6 miles to the northwest. There appears to be limited gravel potential. There is no commercial oil and gas production in the UP. Approximately 50% of the State land is surface only.

Vehicle Access:

Access to this compartment varies depending on location all areas east of the west branch of the Manistique River are easily accessible with a series of two tracks off of the Creighton truck trail. Areas west of the west branch of Manistique River are harder to get to with a long trek up the section 19 creek road needed to access most of the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There is heavy hunting pressure for a number of game species, especially grouse and deer.

Fire Protection:

Land in section 24 was obtained in 1991 during a land exchange with the Seney National Wildlife Refuge.

Additional Compartment Information:**The following reports from the Inventory are attached:**

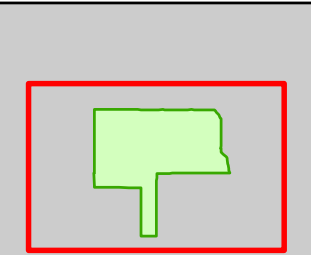
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

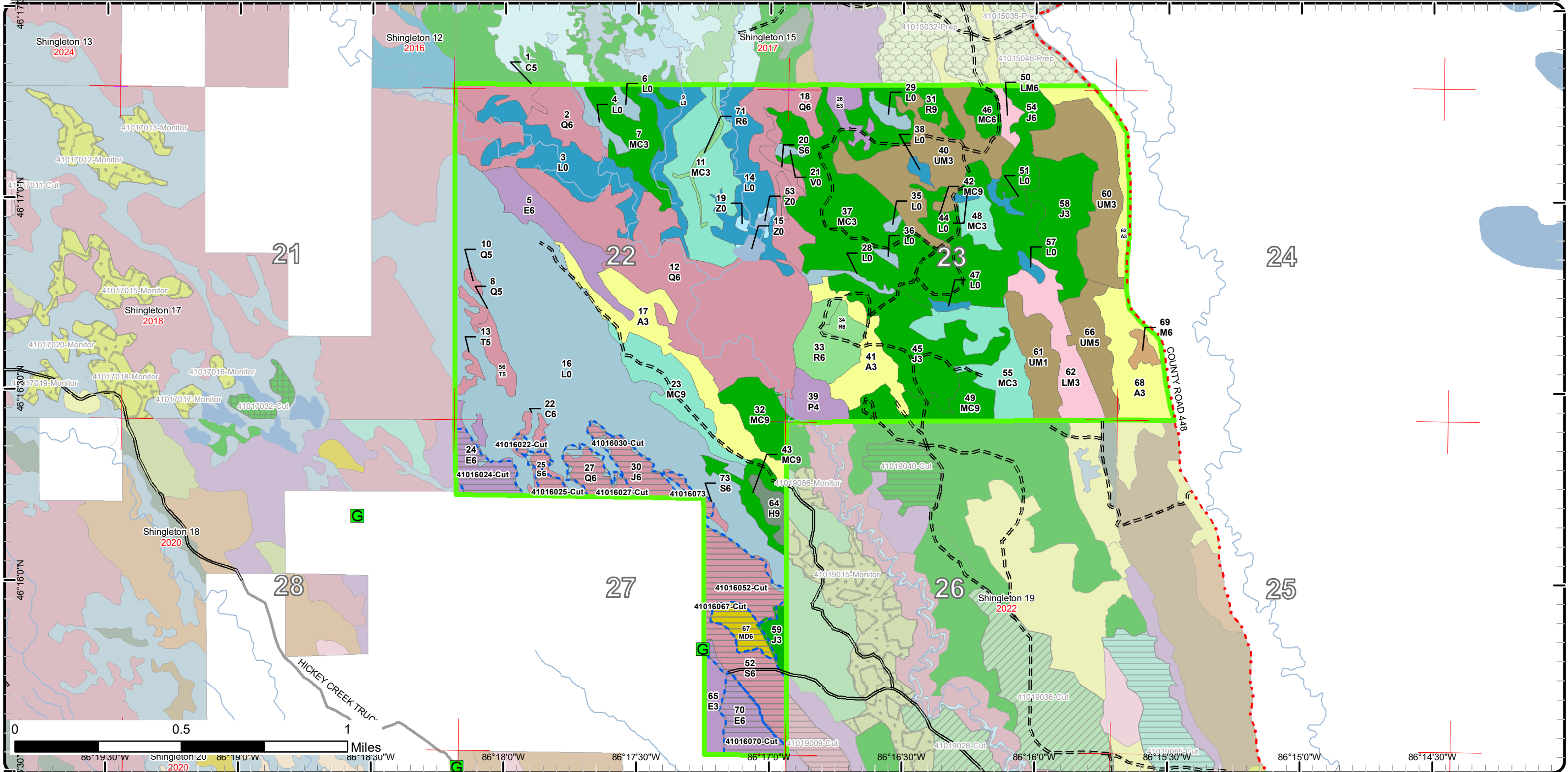
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 16
 T45N, R16W, Sec: 22-24, 27
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2023
 Acres: 1594.8 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 1/28/2022
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Paved Road
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 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
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

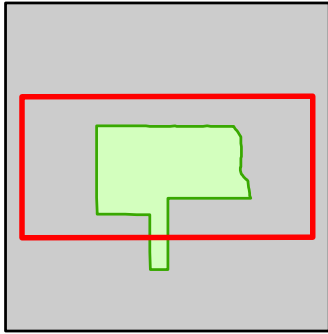


0 0.5 1 Miles

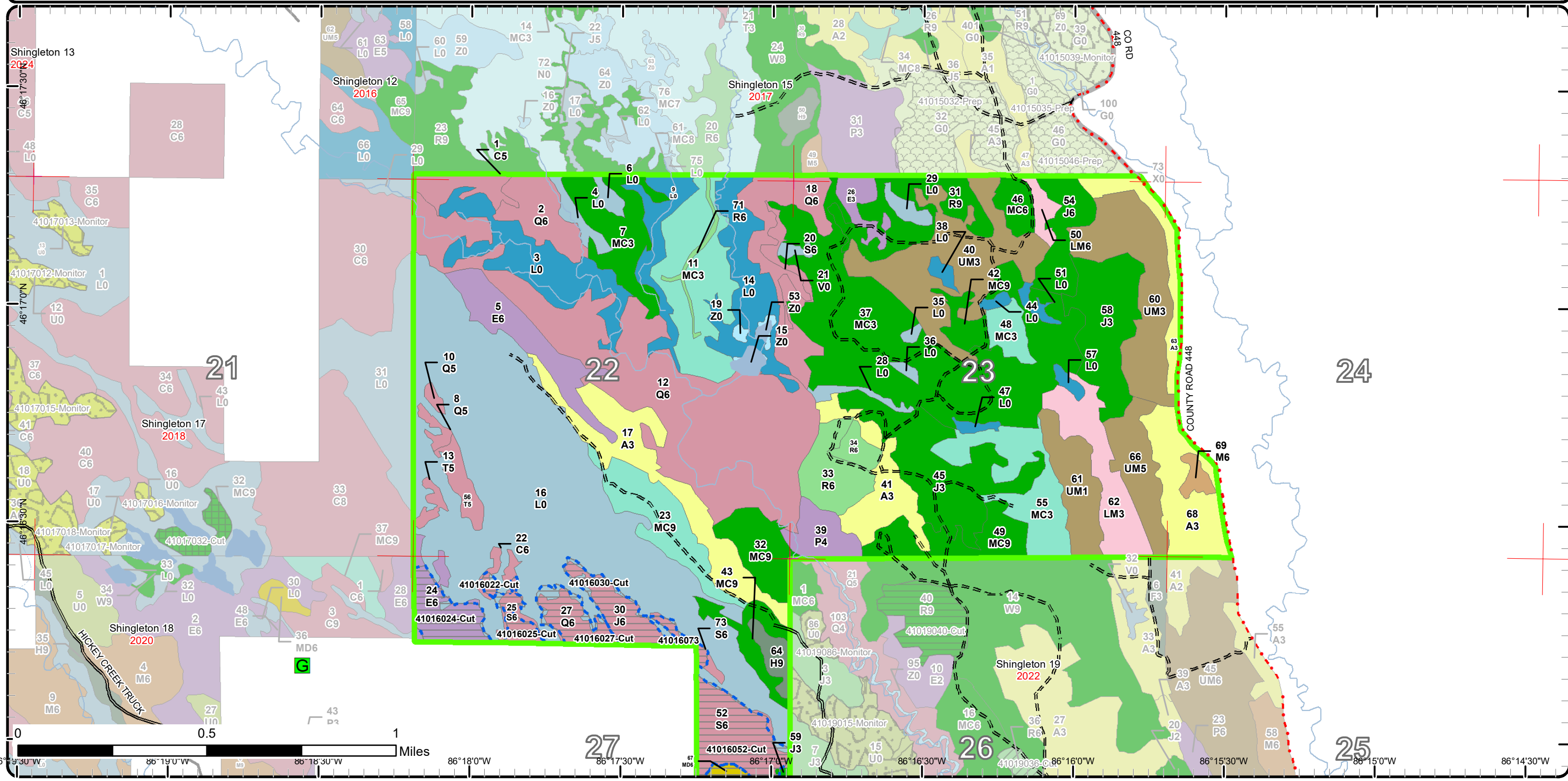
86°19'30"W 86°19'0"W 86°18'0"W 86°17'30"W 86°17'0"W 86°16'30"W 86°16'0"W 86°15'30"W 86°15'0"W 86°14'30"W

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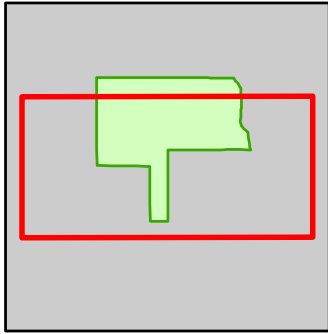


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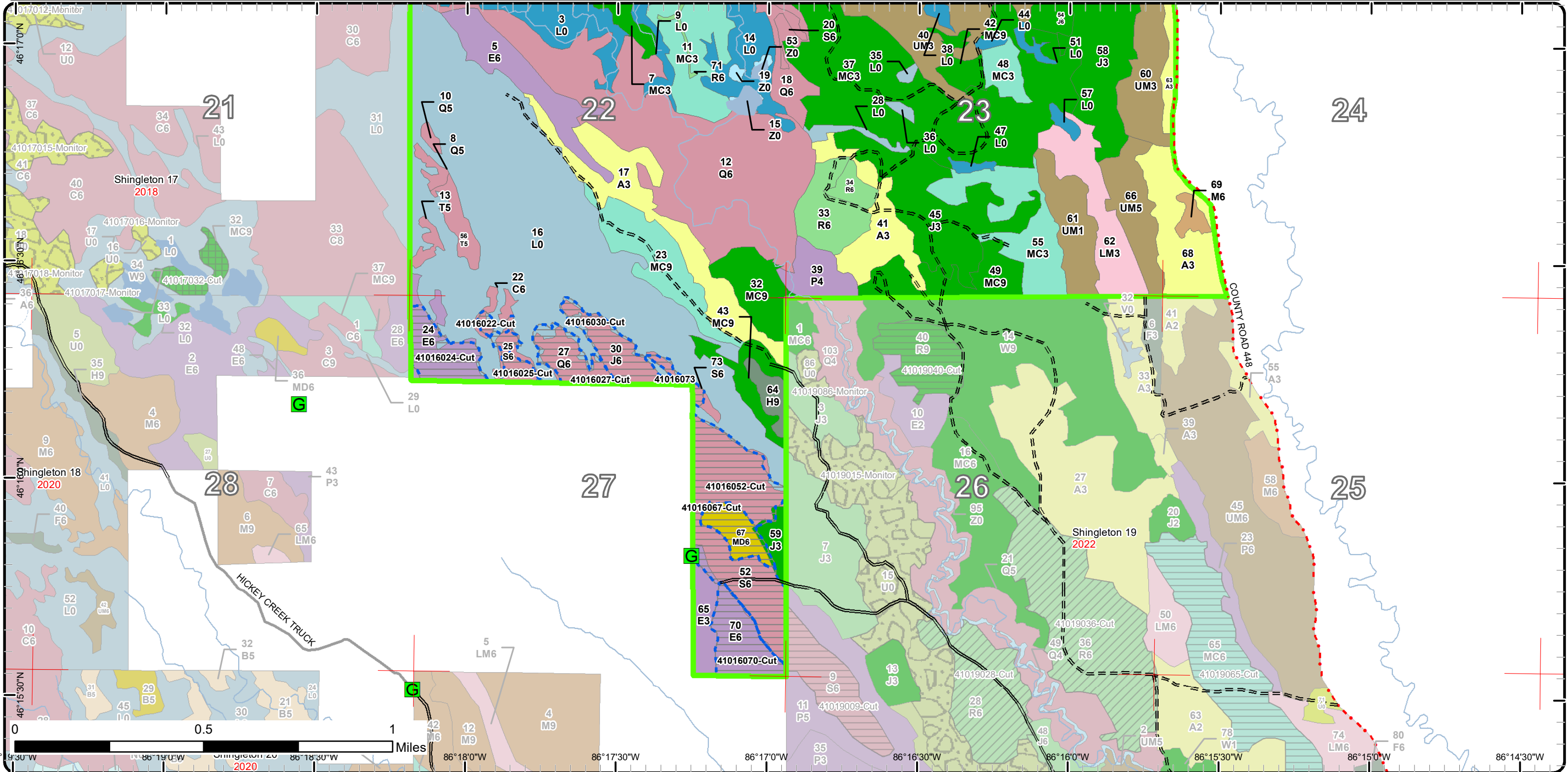


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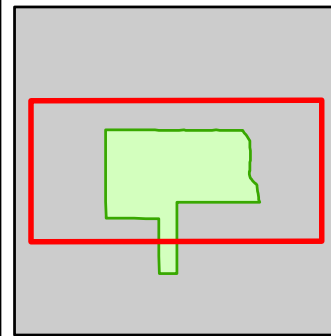
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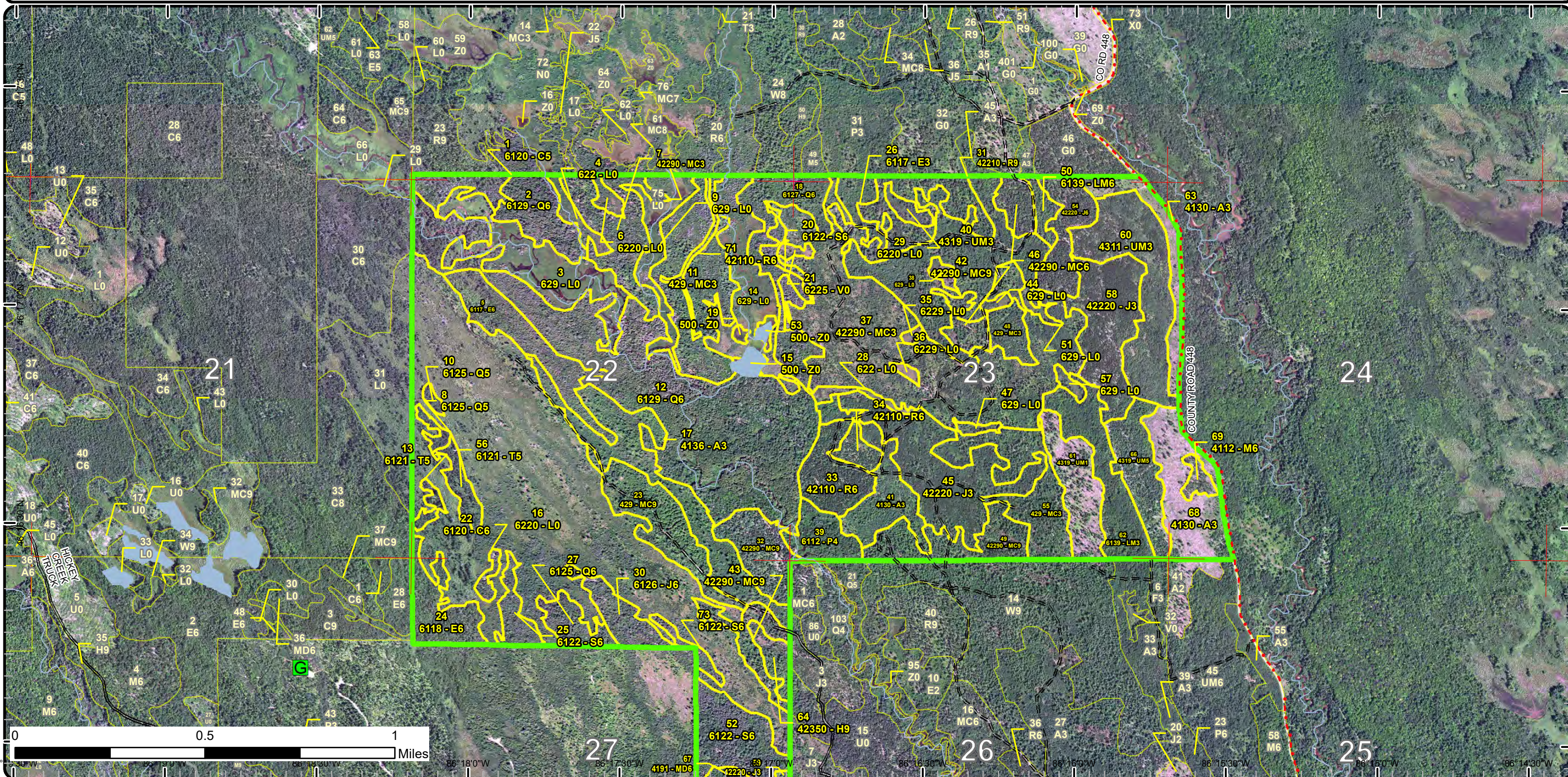


Stand Boundary Map



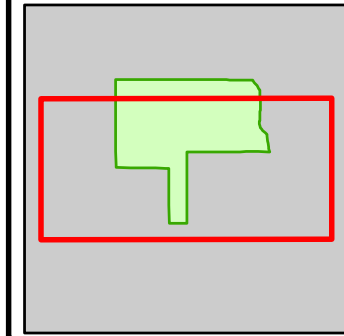
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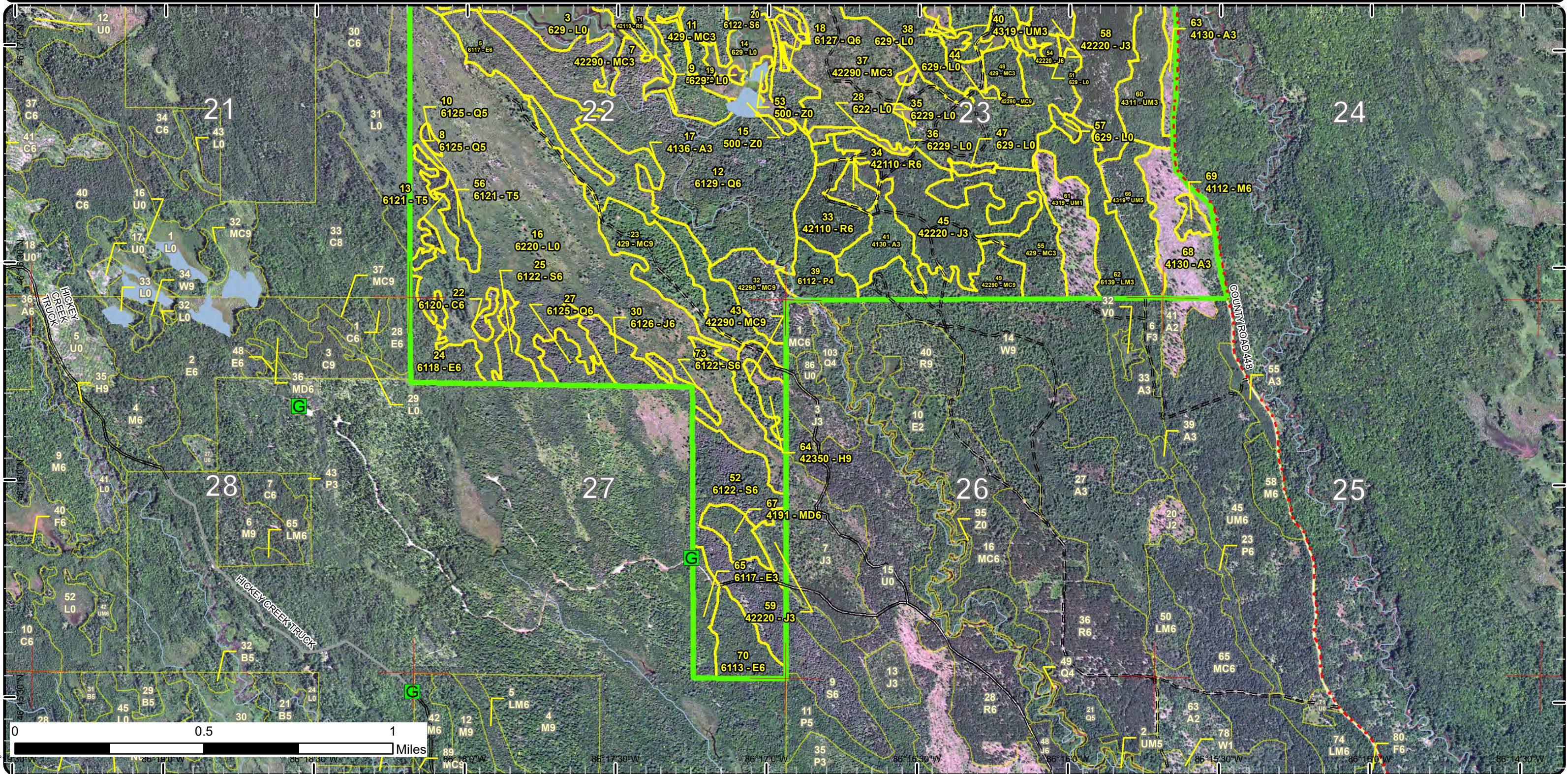


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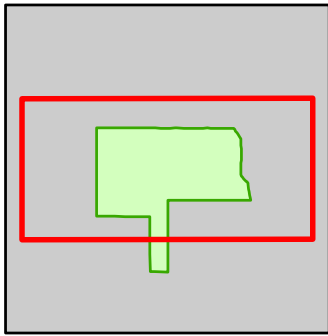


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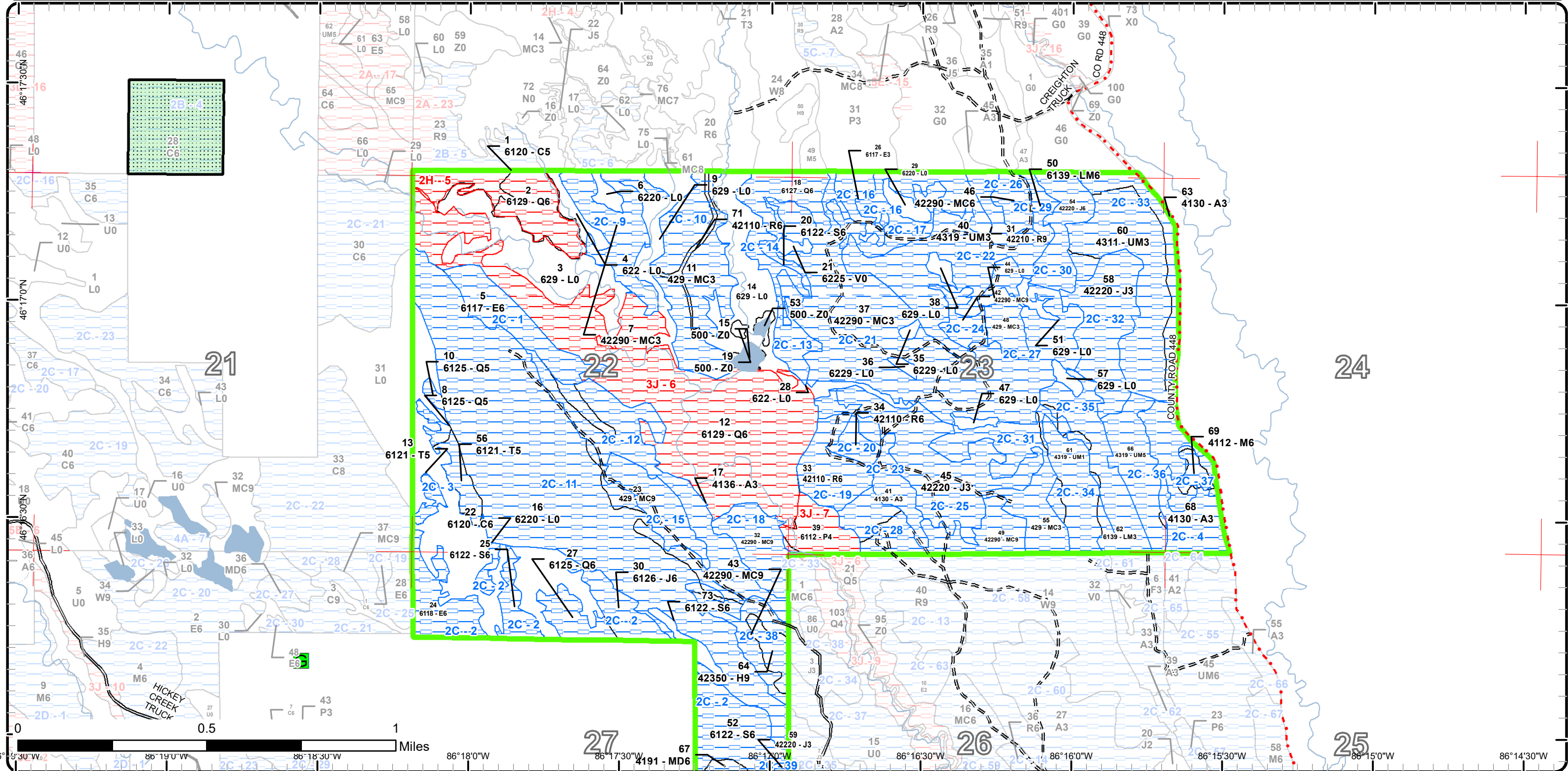


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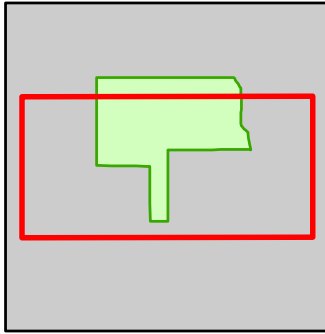


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- Compartment Boundary
- Available w/ Constraints
- 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- Type 1 and Type 2 Old Growth

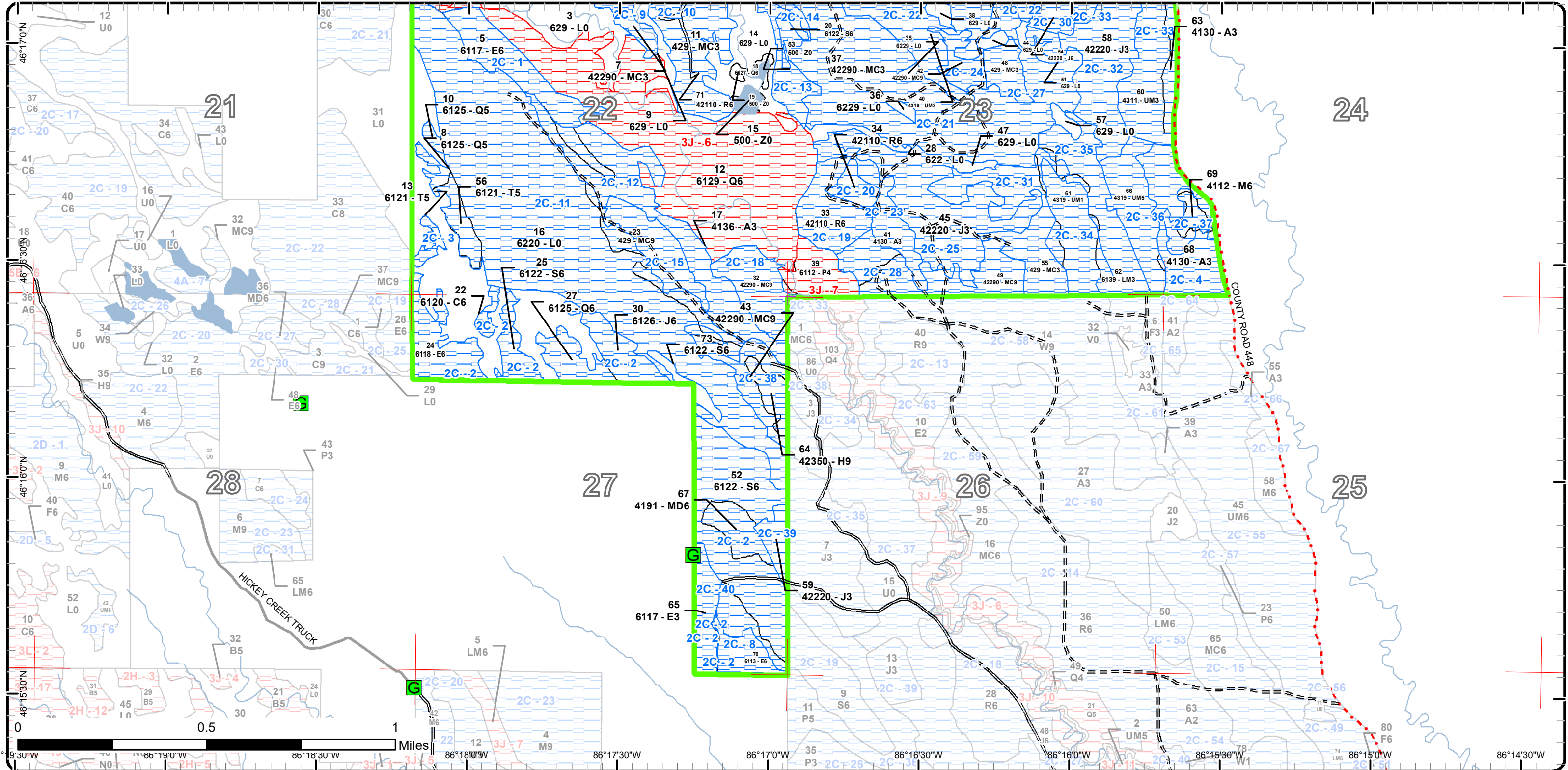


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- Stand Boundaries
- Cold Water Streams



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	47	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	0	3	10	0	0	0	0	0	0	0	13
Hemlock	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	0	0	7	83	0	18	0	0	13	0	0	0	0	0	0	0	0	121
Lowland Aspen/Balsam Poplar	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	0	34	0	10	0	0	0	0	19	0	0	151	0	213
Lowland Deciduous	0	0	0	12	8	0	26	0	0	17	19	0	0	0	0	0	0	0	82
Lowland Mixed Forest	0	0	0	0	28	5	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Shrub	364	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	364
Lowland Spruce/Fir	0	0	0	0	0	0	0	7	62	0	0	0	0	0	0	0	0	0	69
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	155	0	0	8	0	19	0	43	0	0	0	0	0	0	0	225
Northern Hardwood	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	3	25	0	0	0	0	27	0	0	0	0	0	0	0	0	55
Tamarack	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Upland Conifers	0	0	0	53	32	0	0	0	0	28	0	0	0	0	0	0	0	0	112
Upland Mixed Forest	0	22	0	0	124	0	0	0	0	0	0	0	0	0	0	0	0	0	146
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	370	69	0	295	300	18	56	34	43	170	72	0	0	19	0	0	151	0	1595



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 16

Total Compartment Acres: 1,595

Commercial Harvest -
 Harvests with Site Condition - 132
 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
Cedar	1	0	0	0	0	0	0	0	0	1
Jack Pine	15	0	0	0	0	0	0	0	0	15
Lowland Conifers	12	0	0	0	0	0	0	0	0	12
Lowland Deciduous	33	0	0	0	0	0	0	0	0	33
Lowland Spruce/Fir	60	0	0	0	0	0	0	0	0	60
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Total	132	0	0	0	0	0	0	0	0	132

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	132	0	0	0	0	0	0	0	0	132
Next Step	0	0	0	0	0	0	132	0	0	132
Total	132	0	0	0	0	0	132	0	0	263



Stand Name	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:

22	41016022-Cut	1.2	6120 - Lowland Cedar	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
24	41016024-Cut	15.6	6118 - Lowland Deciduous with Cedar	Poletimber Well	99	Unspecified	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
25	41016025-Cut	5.7	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species currently on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</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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27	41016027-Cut	12.3	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species currently on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

30	41016030-Cut	14.5	6126 - Lowland Jack Pine	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species left on site.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

52	41016052-Cut	51.8	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale, lines may need to be changed as more land is being added for treatment. Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand. use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
67 41016067-Cut	10.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale, lines may need to be changed as more land is being added for treatment.</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
70 41016070-Cut	17.6	6113 - Lowland Maple	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale, lines may need to be changed as more land is being added for treatment.</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
73 41016073	2.8	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Paint done -old sale</p> <p><u>Specs:</u> Cut all species mark red and white pine with green paint to leave. Also mark some retention areas to provide for retention and seed in stand use a four inch spec to prevent the cutting of advanced regeneration, Also reserve oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species left on site.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 131.7
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin : Examiner

Compartment: 16
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2C	2H	3J
		With Condition	Not Available				
111	0	111	0	Aspen	111		0
2	2	0	0	Bog			
13	1	3	9	Cedar	3	9	
7	0	7	0	Hemlock	7		
123	2	121	0	Jack Pine	121		
13	0	0	13	Lowland Aspen/Balsam Poplar			13
215	3	44	168	Lowland Conifers	44	18	150
85	3	82	0	Lowland Deciduous	82		0
33	0	33	0	Lowland Mixed Forest	33		
364	179	184	0	Lowland Shrub	184	0	0
69	4	65	0	Lowland Spruce/Fir	65		
10	0	10	0	Mixed Upland Deciduous	10		
225	0	225	0	Natural Mixed Pines	225	0	0
4	0	4	0	Northern Hardwood	4		
55	0	54	0	Red Pine	54		0
10	0	10	0	Tamarack	10		
113	0	112	0	Upland Conifers	112		
146	0	146	0	Upland Mixed Forest	146		
4	4	0	0	Water			
1,602	199	1,212	191	Total Forested Acres	1,212	28	164
	12%	76%	12%	Relative Percent			

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Mario Molin : Examiner

Compartment: 16
Year of Entry: 2023

2	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	28	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	2E: Road needed	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	150	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comments:							
8	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	204	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

12	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

17	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	128	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

22	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

27	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Compartment: 16

Mario Molin : Examiner

Year of Entry: 2023

32	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin : Examiner

Compartment: 16

Year of Entry: 2023

37	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	12	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
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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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6120 - Lowland Cedar	Poletimber Medium	10.4	95	Unspecified	N/A	Cedar stand of varying densities and sizes.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	60	Pole/Sap/Log	6	95	Tag Alder	Medium	Variable	Tall Shrub
Red Maple	10	Pole/Sap/Log	6					
White Pine	10	Log/Pole	10					
Tamarack	10	Pole/Sapling	7					
Black Spruce	10	Pole/Sap/Log	8					

2	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	18.5	122	111-140	N/A	Cedar swales with pine island the pine islands are about 100 BA with mainly white pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Pole/Sap/Log	9	122	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	4	Pole/Sapling	6		Northern White Cedar	Medium	< 5 feet	Sapling
Hemlock	3	Sapling/Pole	4					
Paper Birch	10	Sapling/Pole	4					
Red Pine	10	Log/Pole	10					
Red Maple	3	Sapling/Pole	4					
White Pine	30	Log/Pole	10	122				

3	629 - Mixed non-forested wetland	Nonstocked	38.1			No	
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4	622 - Lowland Shrub	Nonstocked	5.2			No	
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5	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	25.8	55	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Pole	6	55	Red Maple	Low	< 5 feet	Sapling
Quaking Aspen	30	Pole	8					
White Pine	5	Log/Pole/XLog	10					
Red Maple	35	Pole	6	55				
Northern White Cedar	5	Pole	6					

6	6220 - Alder/willow	Nonstocked	3.1			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
7	42290 - Natural Mixed Pine	Sapling Well	27.5	26	Immature	N/A																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>55</td> <td>Sapling</td> <td>1</td> <td>26</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	5	Sapling	1		Jack Pine	10	Sapling	1		Red Maple	5	Sapling	1		Black Spruce	5	Sapling	1		Black Cherry	5	Sapling	1		Quaking Aspen	5	Sapling	1		Red Pine	55	Sapling	1	26	Paper Birch	5	Sapling	1		White Pine	5	Sapling	1	
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Balsam Fir	5	Sapling	1																																																						
Jack Pine	10	Sapling	1																																																						
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White Pine	5	Sapling	1																																																						
8	6125 - Lowland Black Spruce, Jack Pine Poletimber Medium	2.6	68	51-80	N/A																																																				
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9	629 - Mixed non-forested wetland	Nonstocked	16.9		No																																																				
10	6125 - Lowland Black Spruce, Jack Pine Poletimber Medium	1.5	68	51-80	N/A																																																				
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Tamarack	10	Pole/Sapling	5																																																						
11	429 - Mixed Upland Conifers	Sapling Well	43.9	27	1-50	N/A																																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																																					
Black Spruce	10	Sapling	4																																																						
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Balsam Fir	10	Sapling	4																																																						
White Pine	30	Sapling	4	27																																																					
Quaking Aspen	10	Sapling	4																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 6129 - Mixed Coniferous Lowland Forest Poletimber Well 150.6 150 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Log/Pole	10		Willow spp.	Medium	< 5 feet	Tall Shrub
Black Spruce	10	Pole/Log/Sap	5		Tag Alder	Low	Variable	Tall Shrub
Red Pine	5	Log/Pole	10					
Northern White Cedar	40	Sapling/Pole	4	150				
Jack Pine	20	Pole/Log/Sap	5					
Red Maple	5	Pole/Sap/Log	5					
White Pine	10	Log/Pole/XLog	11					

13 6121 - Tamarack Poletimber Medium 3.0 74 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling/Pole	4		White Pine	Low	Variable	Sapling
Black Spruce	30	Pole	6		Black Spruce	Low	Variable	Sapling
White Pine	5	Sapling/Pole	4		Tamarack	Low	Variable	Sapling
Red Maple	5	Sapling/Pole	4					
Tamarack	55	Pole	8	74				

14 629 - Mixed non-forested wetland Nonstocked 32.4 No

15 500 - Water Nonstocked 1.7 No

16 6220 - Alder/willow Nonstocked 248.0 Unspecified No

Large lowland that had small islands of timber scattered throughout. As these very old cuts regenerate they can be typed out as they reestablish.

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	< 5 feet	Sapling
Balsam Fir	Low	< 5 feet	Sapling
Red Maple	Low	< 5 feet	Sapling

17 4136 - Aspen, Mixed Conifer Sapling Well 41.3 22 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	2	22
Red Pine	5	Log	12	
Black Spruce	5	Sapling	2	
Balsam Fir	2	Sapling	2	
Jack Pine	10	Sapling	2	
Red Maple	25	Sapling	2	
White Pine	3	Pole/Sap/Log	9	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	6127 - Lowland Pine	Poletimber Well	29.5	61	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		15	Pole	6		Tag Alder	
Northern White Cedar		20	Pole	8	61	Density	Avg. Height
Red Maple		5	Pole	6		Medium	Variable
White Pine		45	Log	12	61	Size	
Balsam Fir		5	Sapling	4		Tall Shrub	
Red Pine		10	Pole	8			
19	500 - Water	Nonstocked	0.9			No	
20	6122 - Black Spruce	Poletimber Well	6.6	71	51-80	N/A	1 to 3 stick spruce
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		2	Pole	6		Tag Alder	
Red Pine		4	Pole	8		Density	Avg. Height
Black Spruce		92	Pole	6	71	Low	< 5 feet
Paper Birch		2	Pole	6		Size	
						Low	< 5 feet
						Sapling	
21	6225 - Bog	Nonstocked	1.8			No	
22	6120 - Lowland Cedar	Poletimber Well	2.7	81	81-110	N/A	Squatch's Softwood unit 4 TS:41-019-13-01 TCR: 8/28/2018 Returned uncut
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		35	Pole	6			
Bigtooth Aspen		15	Pole	6			
Northern White Cedar		50	Pole	6	81		
23	429 - Mixed Upland Conifers	Sawtimber Well	27.7	82	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		40	Log/Pole	12		Paper Birch	
Red Pine		5	Log	10		Density	Avg. Height
Hemlock		50	Log	10	82	Low	Variable
Red Maple		5	Pole	7		Size	
						Medium	Variable
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 6118 - Lowland Deciduous with Cedar Poletimber Well 18.7 99 Unspecified N/A Lowland conifer
Squatch's Softwood unit 5 TS:41-019-13-01
TCR: 8/28/2018 Returned uncut

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Log	8		Tag Alder	High	5 - 10 feet	Tall Shrub
White Pine	5	Pole/Sapling	5					
Balsam Fir	5	Pole/Sapling	4					
Black Ash	25	Sapling	2					
Paper Birch	20	Pole/Log	8					
Northern White Cedar	25	Pole	6	99				
Red Maple	5	Pole/Sapling	4					
Black Spruce	5	Pole/Sapling	4					

25 6122 - Black Spruce Poletimber Well 8.4 81 81-110 N/A Squatch's Softwood unit 4 TS:41-019-13-01
TCR: 8/28/2018 Returned uncut

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	75	Pole	6	81
Paper Birch	15	Pole	6	
Northern White Cedar	10	Pole	6	

26 6117 - Lowland Deciduous, Mixed Sapling Well 8.2 30 Immature N/A
Coniferous

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Sapling	3	
Red Pine	2	Sapling	2	
Quaking Aspen	38	Sapling	3	30
Jack Pine	5	Sapling	2	
Balsam Fir	5	Sapling	2	
Red Maple	20	Sapling	3	
Black Spruce	15	Sapling	1	

27 6125 - Lowland Black Spruce, Jack Pine Poletimber Well 10.0 81 81-110 N/A Squatch's Softwood unit TS:41-019-13-01
TCR: 8/28/2018 Returned uncut

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	40	Pole	6	81
Red Pine	15	XLog/Log	18	
Black Spruce	30	Pole	6	
White Pine	15	XLog/Log	18	

28 622 - Lowland Shrub Nonstocked 3.6 No

29 6220 - Alder/willow Nonstocked 3.9 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
30	6126 - Lowland Jack Pine	Poletimber Well	12.9	81	81-110	N/A	Squatch's Softwood unit 3 TS:41-019-13-01 TCR: 8/28/2018 Returned uncut																																																															
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Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Jack Pine	50	Pole	6	81																																																																		
Red Pine	15	XLog/Log	18																																																																			
Black Spruce	20	Pole	6																																																																			
White Pine	15	XLog/Log	18																																																																			
31	42210 - Natural Red Pine	Sawtimber Well	26.8	85	81-110	N/A																																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>70</td> <td>Log</td> <td>14</td> <td>85</td> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	70	Log	14	85	Quaking Aspen	Low	Variable	Sapling	Bigtooth Aspen	5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling	White Pine	15	Log	14						Balsam Fir	10	Pole/Sapling	5																							
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Pine	70	Log	14	85	Quaking Aspen	Low	Variable	Sapling																																																														
Bigtooth Aspen	5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling																																																														
White Pine	15	Log	14																																																																			
Balsam Fir	10	Pole/Sapling	5																																																																			
32	42290 - Natural Mixed Pine	Sawtimber Well	19.0	72	51-80	N/A																																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>45</td> <td>Log</td> <td>10</td> <td>72</td> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>30</td> <td>Log</td> <td>12</td> <td></td> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> <td>Quaking Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>3</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	45	Log	10	72	White Pine	Low	5 - 10 feet	Sapling	Red Pine	30	Log	12		Balsam Fir	Medium	Variable	Sapling	Black Spruce	2	Pole	6		Quaking Aspen	Low	10 - 20 feet	Sapling	Bigtooth Aspen	10	Pole	8						Paper Birch	3	Pole	8						Jack Pine	10	Pole	8					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	45	Log	10	72	White Pine	Low	5 - 10 feet	Sapling																																																														
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Paper Birch	3	Pole	8																																																																			
Jack Pine	10	Pole	8																																																																			
33	42110 - Planted Red Pine	Poletimber Well	19.1	32	1-50	N/A																																																																
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Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	5	Sapling/Pole	1																																																																			
Red Pine	90	Pole	6	32																																																																		
Balsam Fir	5	Sapling	1																																																																			
34	42110 - Planted Red Pine	Poletimber Well	5.7	35	1-50	N/A	Red Pine plantation, it looks good. (Age and Size do not make sense- verify)																																																															
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Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Jack Pine	5	Pole	6																																																																			
Red Pine	90	Pole	6	35																																																																		
Quaking Aspen	5	Sapling/Pole	4																																																																			
35	6229 - Mixed lowland shrub	Nonstocked	1.1			No																																																																
36	6229 - Mixed lowland shrub	Nonstocked	1.3			No																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37 42290 - Natural Mixed Pine Sapling Well 127.6 24 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	4	Sapling	1	
White Pine	10	Sapling	1	
Black Spruce	24	Sapling	1	
Jack Pine	50	Sapling/Pole	4	24
Red Maple	2	Sapling	1	
Red Pine	10	Sapling	1	

38 629 - Mixed non-forested wetland Nonstocked 2.3 No

39 6112 - Lowland Aspen Poletimber Poor 13.3 46 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	33	Pole	6		Willow spp.	Full	< 5 feet	Tall Shrub
Quaking Aspen	33	Pole/Sapling	5		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Poplar	34	Pole/Sapling	5	46				

40 4319 - Mixed Upland Forest Sapling Well 56.7 30 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	38	Sapling	1	30
Red Pine	2	Log	14	
Red Maple	20	Sapling	1	
White Pine	10	Sapling	1	
White Spruce	15	Sapling	1	
Balsam Fir	10	Sapling	1	
Jack Pine	5	Sapling	1	

41 4130 - Aspen Sapling Well 23.3 26 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling	3	
Jack Pine	10	Sapling	3	
Quaking Aspen	85	Sapling	3	26

42 42290 - Natural Mixed Pine Sawtimber Well 7.6 93 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	55	Log	12	93	Quaking Aspen	Low	< 5 feet	Sapling
White Pine	45	Log	12		Red Maple	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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43 42290 - Natural Mixed Pine Sawtimber Well 12.4 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	15	Log	12		Balsam Fir	Low	< 5 feet	Sapling
Red Pine	40	XLog/Log	18	91	White Pine	High	Variable	Sapling
White Pine	45	XLog/Log	18	91	Quaking Aspen	Medium	10 - 20 feet	Sapling
					Red Pine	Medium	Variable	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling
					Hemlock	Low	< 5 feet	Sapling

44 629 - Mixed non-forested wetland Nonstocked 1.6 No

45 42220 - Natural Jack Pine Sapling Well 47.4 35 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	3	Sapling	3	
Jack Pine	80	Sapling	3	35
Quaking Aspen	15	Sapling	3	
Paper Birch	2	Sapling	2	

46 42290 - Natural Mixed Pine Poletimber Well 8.2 56 81-110 N/A

This is a mixed stand featuring jack pine, red pine and spruce hold until the jack pine reaches rotation age.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	12		Black Spruce	Low	Variable	Sapling
Red Pine	20	Log	12					
Black Spruce	15	Pole	7					
Balsam Fir	7	Pole	7					
Jack Pine	48	Pole	8	56				

47 629 - Mixed non-forested wetland Nonstocked 1.8 No

48 429 - Mixed Upland Conifers Sapling Well 8.6 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	15	Sapling	2	
Balsam Fir	15	Sapling	2	
Jack Pine	10	Sapling	2	
Quaking Aspen	15	Sapling	2	
Red Pine	10	Sapling	2	
Paper Birch	20	Sapling	2	25
Northern White Cedar	15	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49	42290 - Natural Mixed Pine	Sawtimber Well	22.8	97	51-80	N/A	This stand was harvested around 1998 it looks good with a full canopy of white pine and a understory of hardwood and fir-spruce filing in the gaps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	3	Pole	6		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	42	Log	14	97	Black Spruce	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Pole	7		Quaking Aspen	Medium	5 - 10 feet	Sapling
Red Pine	40	Log	16					
Bigtooth Aspen	5	Pole	7					
Jack Pine	5	Pole	8					

50	6139 - Mixed Lowland Forest	Poletimber Well	5.0	48	1-50	N/A	Wet area with aspen and red maple.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	4		Tag Alder	Medium	Variable	Tall Shrub
White Pine	5	Log	12					
Balsam Fir	15	Pole	6					
Jack Pine	15	Pole	6					
Quaking Aspen	25	Pole	6	48				
Red Pine	5	Log	10					
Red Maple	15	Pole	6					
Black Spruce	15	Pole	5					

51	629 - Mixed non-forested wetland	Nonstocked	2.3			No	
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52	6122 - Black Spruce	Poletimber Well	50.0	81	81-110	N/A	Squatch's Softwood unit 2 TS:41-019-13-01TCR: 8/28/2018 Returned uncut
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	8	
Red Maple	10	Pole	6	
Black Spruce	85	Pole	6	81

53	500 - Water	Nonstocked	1.7			No	
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54	42220 - Natural Jack Pine	Poletimber Well	18.4	55	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	4	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	4	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Red Pine	3	Pole	8					
Balsam Fir	3	Pole/Sapling	6					
Jack Pine	80	Pole/Sap/Log	8	55				
Paper Birch	4	Pole	6					
White Pine	2	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 429 - Mixed Upland Conifers Sapling Well 32.4 35 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Sapling	2	
White Pine	10	Pole	8	
Balsam Fir	10	Sapling	3	
Jack Pine	20	Sapling	3	
Quaking Aspen	40	Sapling	4	35
Red Pine	10	Pole	8	

56 6121 - Tamarack Poletimber Medium 7.2 74 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling/Pole	4		Tamarack	Low	Variable	Sapling
White Pine	5	Sapling/Pole	4		Black Spruce	Low	Variable	Sapling
Black Spruce	30	Pole	6		White Pine	Low	Variable	Sapling
Red Maple	5	Sapling/Pole	4					
Tamarack	55	Pole	8	74				

57 629 - Mixed non-forested wetland Nonstocked 2.2 No

58 42220 - Natural Jack Pine Sapling Well 36.0 37 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	24	Sapling	4	37
Jack Pine	70	Sapling	4	37
Red Pine	6	Sapling	4	

59 42220 - Natural Jack Pine Sapling Well 6.7 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Sapling	2	
Bigtooth Aspen	2	Sapling	2	
Black Cherry	2	Sapling	2	
Quaking Aspen	5	Sapling	2	
Jack Pine	81	Sapling	2	25
Paper Birch	3	Sapling	2	
Black Spruce	5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60	4311 - Pine, Aspen Mix	Sapling Well	45.2	37	1-50	N/A	Stand looks good with a lot of jack pine regeneration, some scattered aspen and aspen pockets in the stand.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		5	Sapling/Pole	4			
Red Pine		4	Sapling	4			
Quaking Aspen		48	Sapling	4	37		
Red Maple		3	Sapling	4			
Jack Pine		40	Sapling	4	37		

61	4319 - Mixed Upland Forest	Sapling Poor	22.3	6	1-50	N/A	Frontside Aspen and Spruce. 41-003-13-01 FTP 1555 Scarified by Holli: 7/15/16, unit 3 Passed regen check fall 2019.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		15	Sapling	1			
Quaking Aspen		30	Sapling	1	6		
Red Pine		10	Log	14			
Red Maple		10	Sapling	1			
Red Pine		5	Sapling	1			
White Pine		10	Log	14			
White Pine		20	Sapling	1			

62	6139 - Mixed Lowland Forest	Sapling Well	28.3	35	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Fir		8	Sapling	3			
Quaking Aspen		45	Sapling	4	35		
Black Spruce		35	Sapling	4			
Paper Birch		5	Sapling	3			
White Pine		7	Pole/Sapling	5			
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low	< 5 feet	Sapling			
Red Maple		Low	< 5 feet	Sapling			

63	4130 - Aspen	Sapling Well	15.7	8	Immature	N/A	Frontside Aspen and Spruce 41-003-13-01. Stand was clear cut.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		5	Log	10			
Quaking Aspen		90	Sapling	1	8		
Red Pine		5	Log	10			

64	42350 - Upland Hemlock	Sawtimber Well	6.9	76	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Hemlock		60	Log	12	76		
White Pine		40	Log	12	76		
Sub-Canopy Species		Density	Avg. Height	Size			
Quaking Aspen		Medium	10 - 20 feet	Sapling			
Balsam Fir		Low	< 5 feet	Sapling			
White Pine		High	Variable	Sapling			
Red Maple		Medium	10 - 20 feet	Sapling			
Hemlock		Low	< 5 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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65 6117 - Lowland Deciduous, Mixed Coniferous Sapling Well 12.1 26 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Sapling	3	
Black Spruce	10	Sapling	3	
Quaking Aspen	35	Sapling	3	26
Hemlock	5	Sapling	2	
Red Maple	20	Sapling	3	
Balsam Fir	10	Sapling	3	
Paper Birch	13	Sapling	2	
Northern White Cedar	2	Sapling	4	

66 4319 - Mixed Upland Forest Poletimber Medium 21.9 35 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	20	Pole	6		Balsam Fir	Medium	Variable	Sapling
Red Pine	10	Pole	6		Black Spruce	Medium	Variable	Sapling
Quaking Aspen	40	Pole	6	35				
Black Cherry	10	Pole	6					
Balsam Fir	20	Pole	6					

67 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 9.6 81 81-110 N/A Bit of higher ground with a mix of hardwood, small ridge included with p. Birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Pole	6		Balsam Fir	Low	Variable	Sapling
Balsam Fir	15	Pole	6		Red Maple	Low	Variable	Sapling
Red Maple	40	Pole	8	81				
Quaking Aspen	10	Pole	8					
Paper Birch	15	Pole	8					

68 4130 - Aspen Sapling Well 31.1 8 Immature N/A Frontside Aspen and Spruce. Stand was clear cut. Passed regen check fall 2019.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	1	8

69 4112 - Maple, Beech, Cherry Association Poletimber Well 3.9 57 51-80 N/A Frontside spruce and aspen. 41-003-13-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	75	Pole	8	57	Balsam Fir	Medium	< 5 feet	Sapling
Yellow Birch	5	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
White Pine	5	Pole	8		White Pine	Low	5 - 10 feet	Sapling
Sugar Maple	5	Pole	8		Quaking Aspen	Medium	5 - 10 feet	Sapling
Black Cherry	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
70	6113 - Lowland Maple	Poletimber Well	17.4	81	81-110	N/A																																														
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71	42110 - Planted Red Pine	Poletimber Well	3.1	27	1-50	N/A	Logging road that was planted with red pine.																																													
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73	6122 - Black Spruce	Poletimber Well	3.8	81	81-110	N/A	Squatch's Softwood unit 3 TS:41-019-13-01 TCR: 8/28/2018 Returned uncut																																													
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