

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41162

Entry Year: 2027

Acreage: 6,128

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Scott Kentner

Legal Description:

T46N R16W sections 1 - 4, 9 – 12 and 13 - 15

Identified Planning Goals:

Soil and topography:

This is part of the Creighton marsh complex – flat and very wet. The soils are generally peat or mucks.

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

There are private lands with numerous hunting camps on the upland area immediately to the east of this compartment. There are no private lands within the compartment boundaries, and no development beyond the abandoned road and the 1976 Seney National Wildlife Refuge Fire control line.

Unique Natural Features:

This area is a classic example of a pattern fen ecosystem. There are numerous drainages throughout the area.

Archeological, Historical, and Cultural Features:

Remnants of the fire control lines from the 1976 Walsh Ditch Fire are still highly visible.

Special Management Designations or Considerations:

This compartment is included in the Creighton Marsh Patterned Fen ERA.

Watershed and Fisheries Considerations:

This compartment contains the Creighton River, Stoner Creek, Shotgun Creek, and Marsh Creek. The Creighton River, Stoner Creek, Shotgun Creek, and Marsh Creek are all designated Type 1 trout stream less than 50-ft wide that have predicted mean July water temperatures that range from 60.3 to 63.9°F (cold streams). 300-foot buffers are recommended for the Creighton River, Stoner Creek, Shotgun Creek, and Marsh Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-ft, plus 5 feet per 1% increase in slope, riparian management zone is recommended for these waterbodies to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Bounded on the west by the Creighton River, and containing the Stoner, Shotgun, and Marsh creeks, this compartment is dominated by a pattern fen ecosystem. The General Land Office Surveyors (circa 1850) noted that areas that did contain forest were dominated by tamarack, spruce, and cedar. White pine, white birch, red maple, hemlock, and yellow birch were less common. Balsam fir, red pine, aspen and beech appeared to have been relatively minor components in this system. Although cedar may have replaced tamarack as the dominant tree species in some locations and the Seney Fire line has somewhat impacted drainage patterns, the vegetation in the compartment appears fairly similar to that described by the first surveyors. Wildlife habitat objectives in this compartment center around maintaining the unique features associated with the pattern fen ecosystem. Old-growth designation for the entire compartment will facilitate this goal.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These rocks are quarried for stone/dolomite. Gravel pits are not located in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

None at this time.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no developed recreational facilities in this compartment, and none planned. The area may be used by hunters, fishermen and trappers..

Fire Protection:

Extremely poor access would make fire suppression very difficult.

Additional Compartment Information:

The area provides remote habitat for moose.

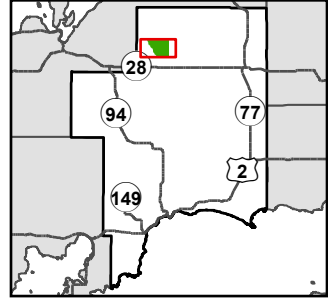
The following reports from the Inventory are attached:

- 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**

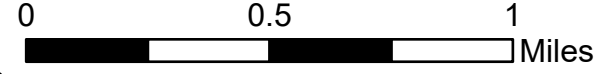
The following information is displayed, where pertinent, on the attached compartment maps:

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

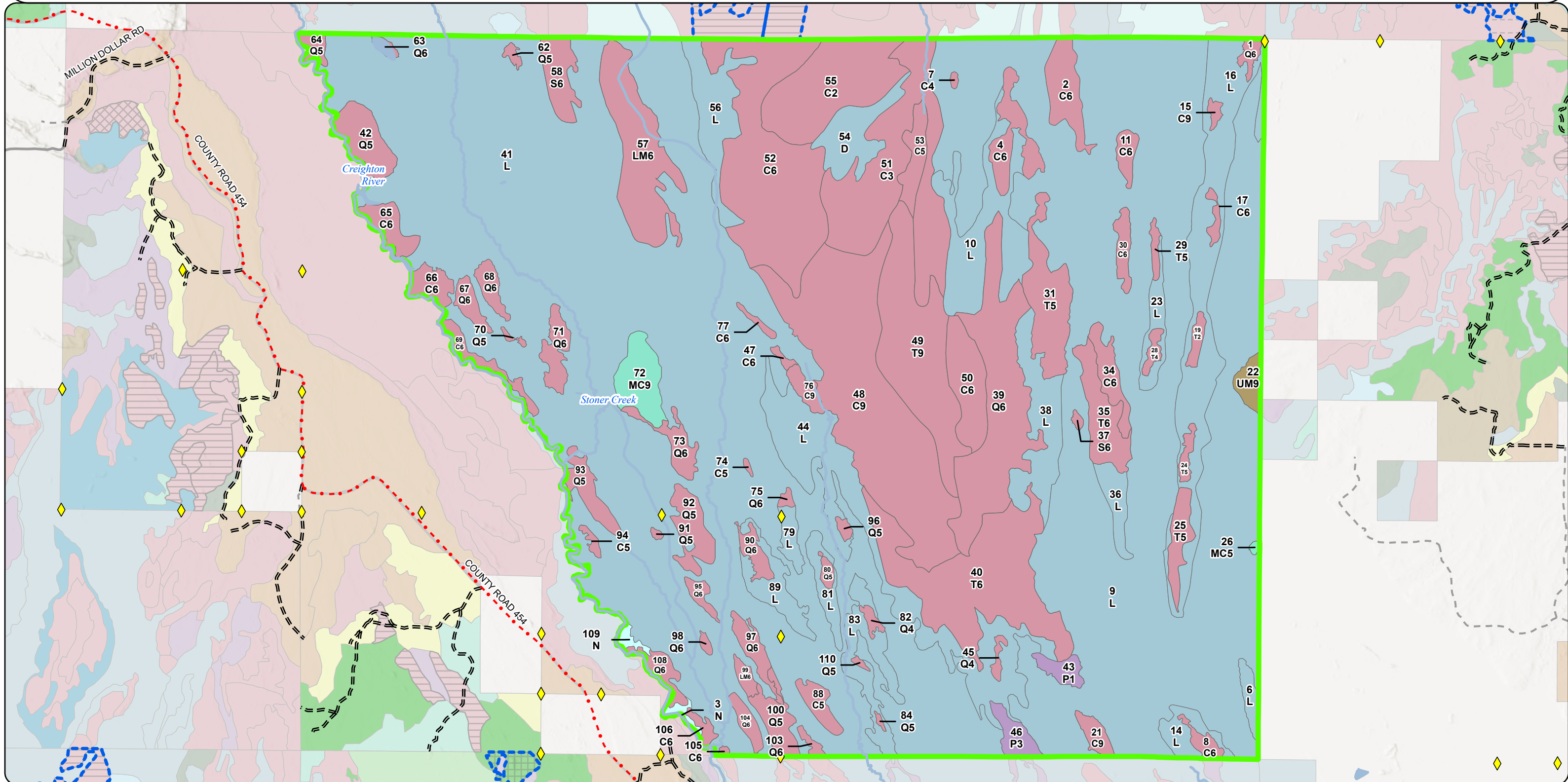
Cover Type & Treatments Map



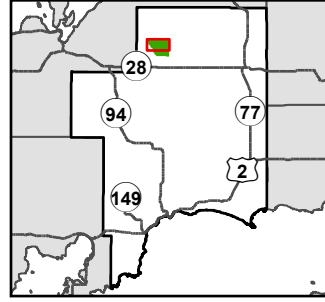
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 Unit: Shingleton
 Mgmt. Area: Seney Lake Plain
 YOE: 2027
 Acres: 6,128 GIS Calculated
 Examiner: Scott Kentner
 Date Exported: 02/05/2026
 Map Phase: Post Review



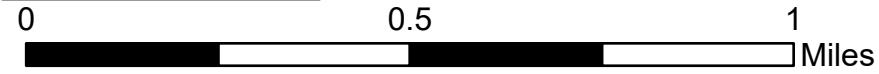
- ◆ Survey Grade Corners
- DNR - Forest Access Route
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland



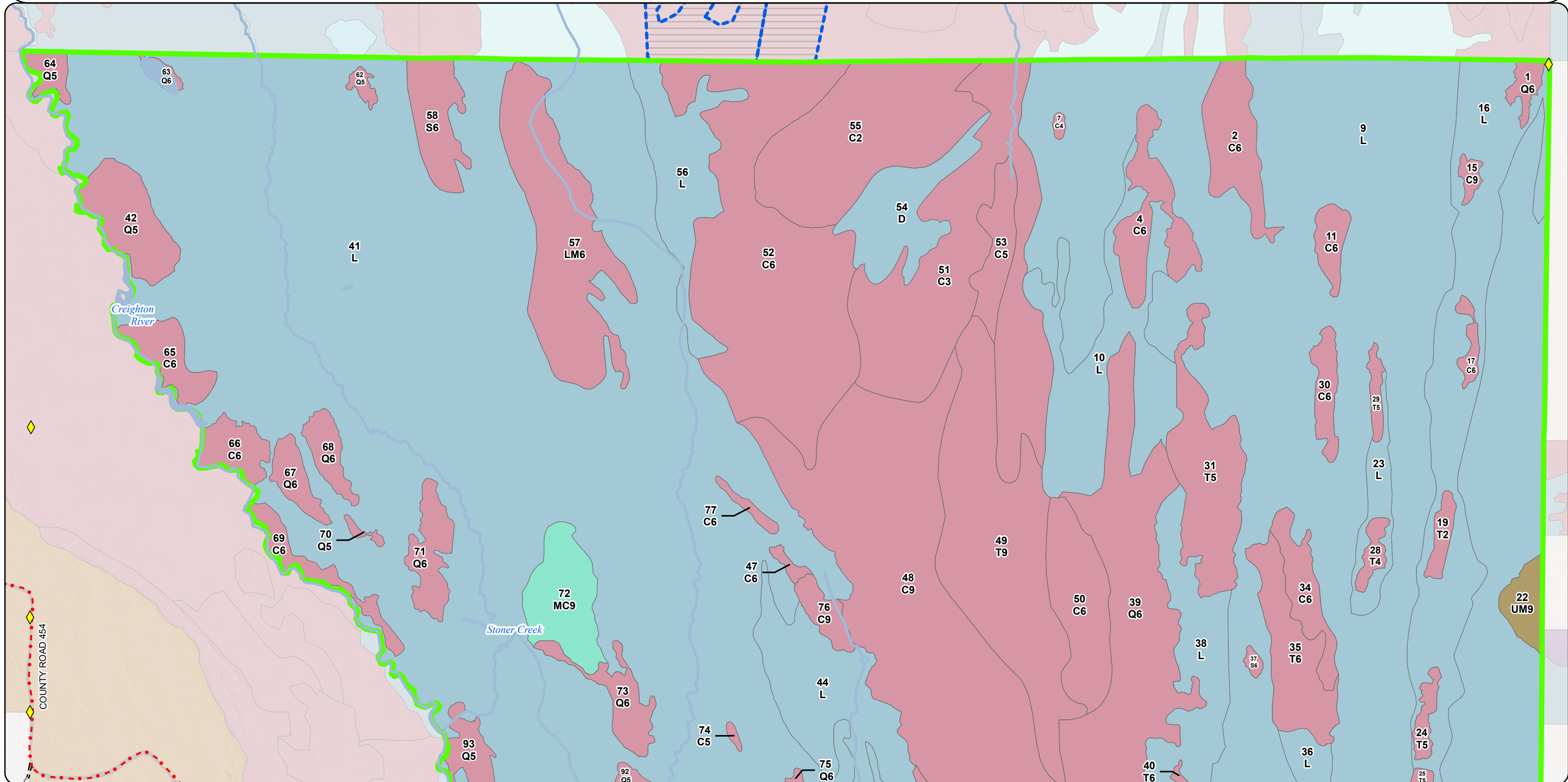
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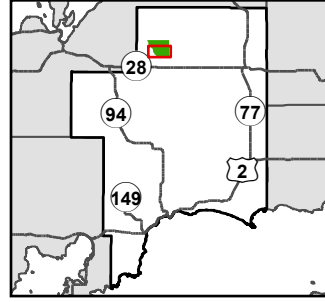
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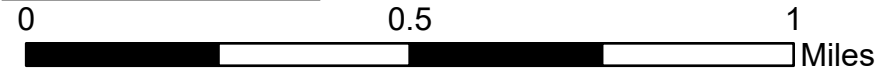
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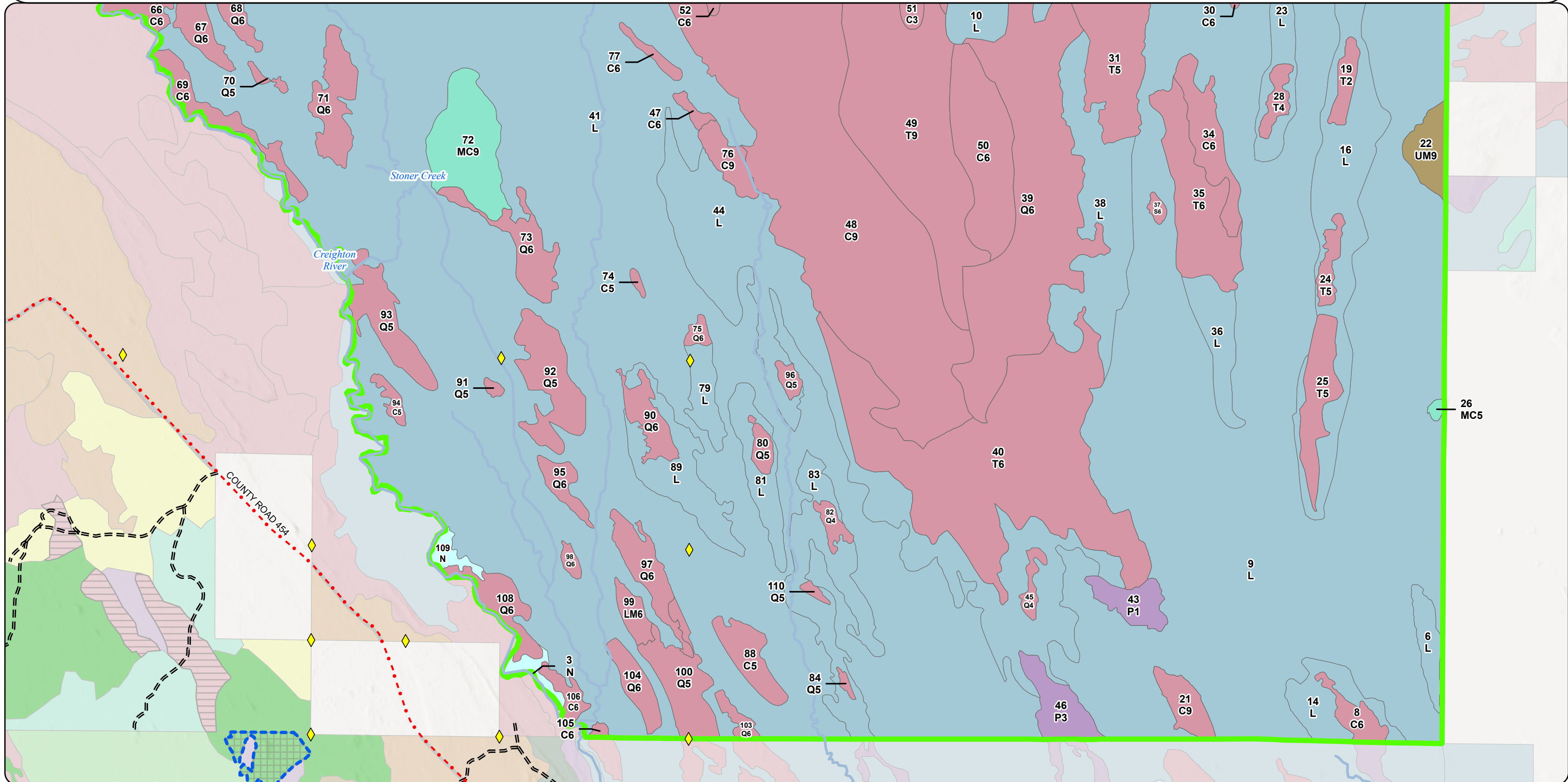
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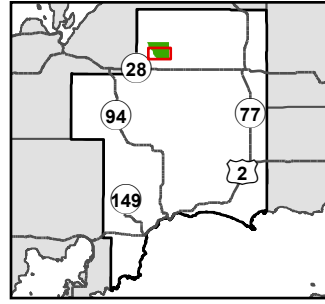
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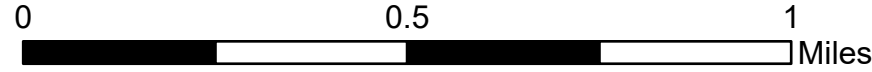
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- Lakes and Rivers
- 611 - Lowland Deciduous Forest



Stand Boundary Map



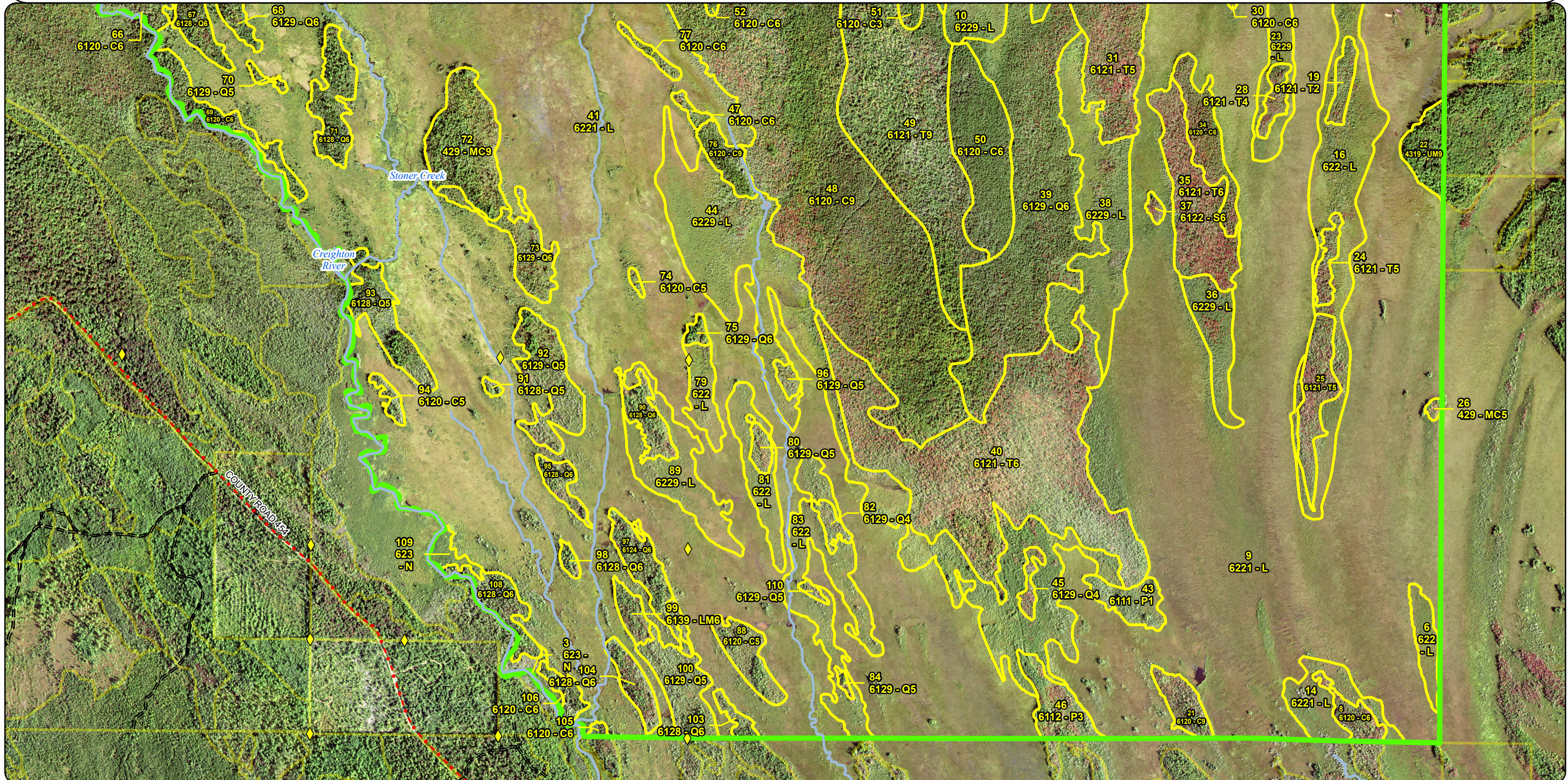
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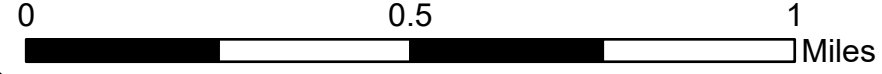
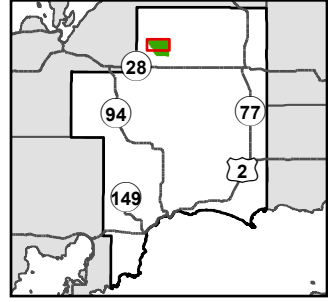
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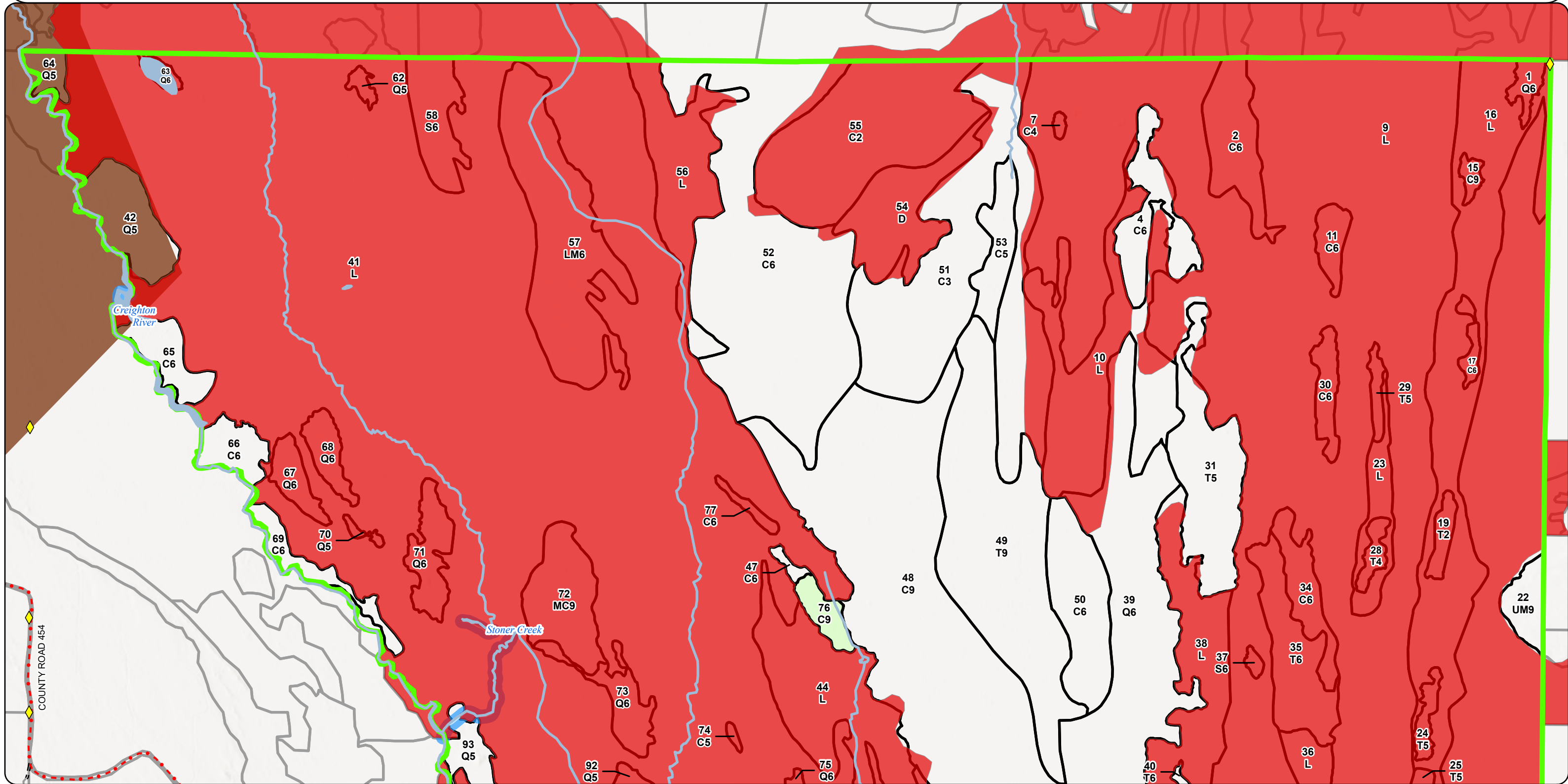


**Special Conservation Areas
& Site Conditions Map**

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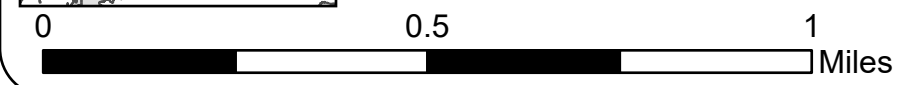
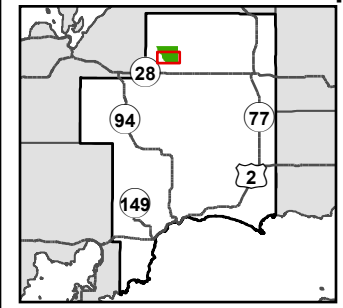


- Survey Grade Corners
- Lakes and Rivers
- Cold Water Streams
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- Compartment Boundary
- High Priority Trout Stream Buffer
- County - Gravel Road
- Stand Boundaries
- Deer Winter Range
- Private - Dirt / Gravel Road
- Ecological Reference Areas
- Possible Type 1 Old Growth
- Streams
- SCA

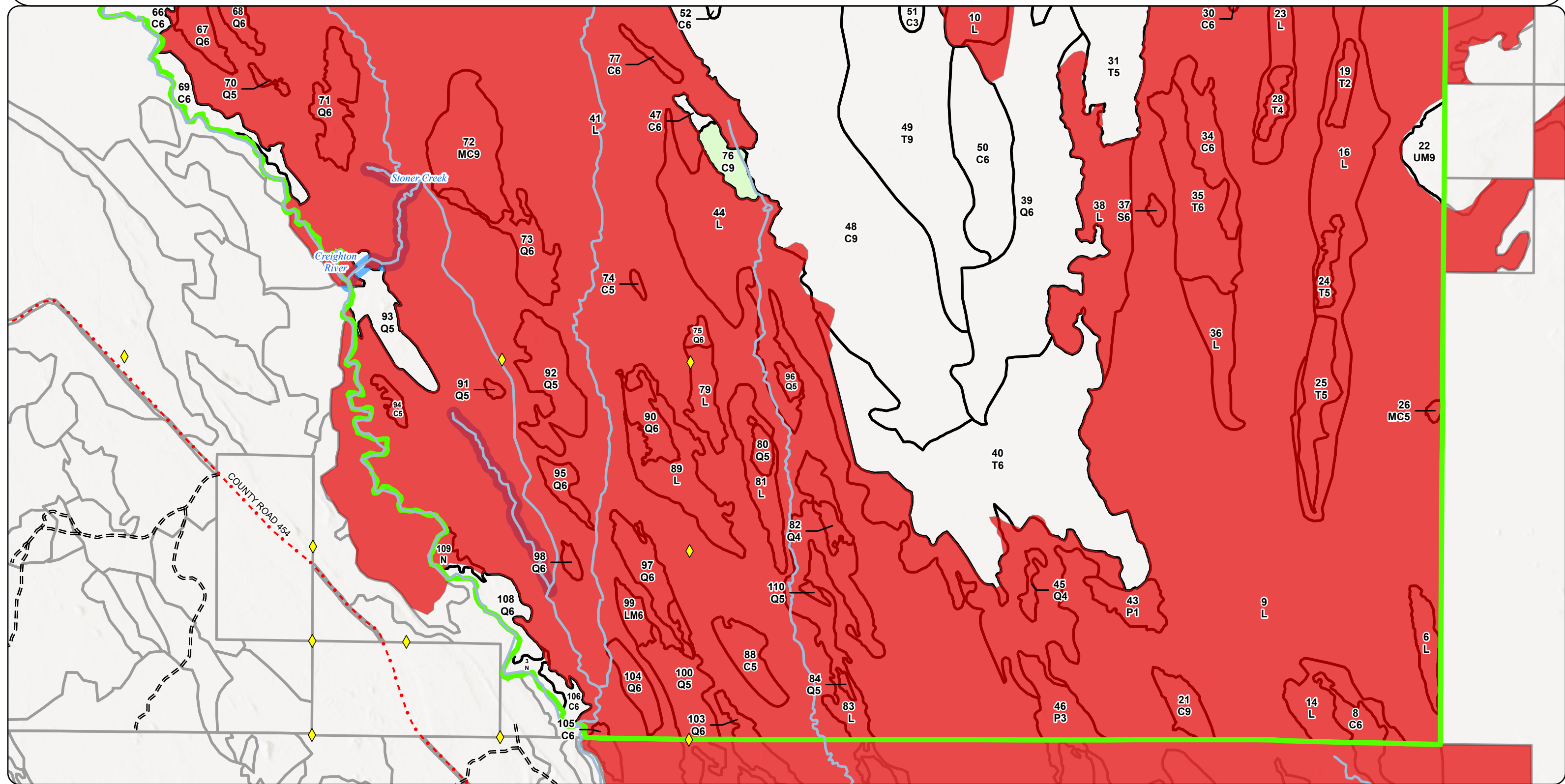


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Report 1 – Total Acres by Cover Type and Age Class

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
Cedar	0	0	0	0	0	0	0	0	257	0	11	0	83	25	608	0	0	19	1003
Lowland Aspen/Balsam Poplar	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Conifers	0	0	0	0	0	0	0	0	6	0	20	72	55	0	43	5	142	49	392
Lowland Mixed Forest	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	91	97
Lowland Shrub	4054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4054
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	2	25	0	0	0	0	0	0	27
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Tamarack	0	0	0	0	0	6	0	0	0	0	0	0	0	5	254	167	0	0	431
Treed Bog	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	35	36
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
Total	4104	0	0	0	0	32	0	0	269	0	33	97	138	30	906	172	142	206	6128

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 162
Total Compartment Acres: 6,128

Commercial Harvest -
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

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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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Total Treatment
Acreage Proposed: 0

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Scott Kentner: Examiner

Compartment: 162
 Year of Entry: 2027

Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Conditions
1002	1002	0	0	Cedar
26	26	0	0	Lowland Aspen/Balsam Poplar
391	391	0	0	Lowland Conifers
97	97	0	0	Lowland Mixed Forest
4054	4054	0	0	Lowland Shrub
26	27	0	0	Lowland Spruce/Fir
9	9	0	0	Marsh
432	432	0	0	Tamarack
41	41	0	0	Treed Bog
36	36	0	0	Upland Conifers
12	12	0	0	Upland Mixed Forest
6,127	6,127			Total Forested Acres
	100%			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	3A: Conservation values incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No roads through Patterned Fen ERA							
2	Unavailable	3A: Conservation values incompatible with harvest at this time	5,996	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No new roads through Patterned Fen ERA to reach this stand.							

3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	114	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: Creighton River buffer and no new roads through pattern fen ERA to reach the stands.							

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
	Type 1 or Type 2 Old Growth	Possible Type 1 Old Growth	SCA	9
Comments				
This stand meets OG qualifications.				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.0	99	51-80	N/A	Relatively slow-growing conifer mix. Size class diversity suggests that there is more than one age class present.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole/Sap/Log</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Pole/Sapling</td> <td>6</td> <td>96</td> </tr> <tr> <td>Tamarack</td> <td>20</td> <td>Pole/Log/Sap</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>40</td> <td>Log/Pole/XLog</td> <td>14</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	20	Pole/Sap/Log	6		Northern White Cedar	20	Pole/Sapling	6	96	Tamarack	20	Pole/Log/Sap	7		White Pine	40	Log/Pole/XLog	14	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Variable	Northern White Cedar	Low	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet						
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2	6120 - Lowland Cedar	Poletimber Well	31.6	133	111-140	N/A	Slow-growing cedar/tamarack with a few other tree spp. scattered throughout. Stand density varies but most of the area is fully-stocked.																																											
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3	623 - Emergent Wetland	None	4.7			No	Lowland brush along the Creighton River - mostly tag alder with a few scattered trees.																																											
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6	622 - Lowland Shrub	None	9.4			No	ERA - Patterned fen Dense tag alder 6-15' tall with a few scattered trees and other lowland spp.																																											
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7	6120 - Lowland Cedar	Poletimber Poor	1.2	111	1-50	N/A	Pocket of semi-open, slow-growing timber in the marsh.																																											
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8	6120 - Lowland Cedar	Poletimber Well	7.7	98	81-110	N/A	Cedar stand with a mix of other species including some larger white pine. Heavy mortality has occurred in the paper birch leaving numerous snags.																																														
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9	6221 - Fen	None	1,429.2			No	ERA - Patterned fen Includes marsh grass, patches of light lowland brush and/or merchantable trees, and scattered submerchantable cedar & tamarack. Much of this stand burned in the Seney NWR fire of 1976. It is likely that many of the trees seeded in after the fire, and might eventually reach merchantable size. Evidence of seasonal flooding is also present in some areas.																																														
10	6229 - Mixed Lowland Shrub	None	90.0			No	Mix of lowland species (tag alder, willow etc.) of varying size and density. There are also trees (mostly tamarack and cedar) scattered throughout. In some pockets these trees are denser and a few have reached merchantable size, but most are sub-merchantable.																																														
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11	6120 - Lowland Cedar	Poletimber Well	9.3	122	171-200	N/A	Dense but very slow-growing cedar. The understory is a mix of cedar regen and lowland brush.																																														
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14	6221 - Fen	None	19.7			No	ERA - Patterned fen. Low- to medium-density lowland brush featuring a mix of species. Scattered submerchantable tamarack and cedar are also present, plus pockets of larger trees.																																														
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15	6120 - Lowland Cedar	Sawtimber Well	3.2	96	51-80	N/A	Age estimate is from previous inventory data, but scattered larger cedar suggest age variability.																																														
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16	622 - Lowland Shrub	None	155.3			No	Dense lowland brush area dominated by tag alder over marsh vegetation. There are also a few scattered cedar and tamarack (mostly submerchantable) scattered throughout the area.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
17	6120 - Lowland Cedar	Poletimber Well	4.6	128	51-80	N/A	Slow-growing cedar mix. Stand density and age class appear to be variable, indicating that unevenaged characteristics are developing.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		4	Pole/Sapling	5		Balsam Fir	Low	Variable	Variable
Balsam Fir		1	Pole/Sapling	5		Red Maple	Low	Variable	Variable
Black Spruce		5	Pole/Log	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		75	Pole/Log/Sap	8	128	Black Ash	Low	Variable	Variable
Tamarack		15	Pole/Log	9		Northern White Cedar	Low	5 - 10 feet	5 - 10 feet
19	6121 - Tamarack	Sapling Medium	6.2	49	Unspecified	N/A	Mix of tamarack, cedar & spruce regeneration and various lowland brush species. This stand is probably a result of burning in the 1976 Seney NWR fire. A few red maple sprouts are also present.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling	1		Willow spp.	Medium	5 - 10 feet	5 - 10 feet
Black Spruce		15	Sapling	1		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Northern White Cedar		25	Sapling	1					
Tamarack		50	Sapling	2	49				
21	6120 - Lowland Cedar	Sawtimber Well	9.6	133	51-80	N/A	ERA - Patterned Fen. The large white pine and some of the cedar are older than the spruce and smaller cedar, indicating that unevenaged structure is present. The understory is a mix of conifer regeneration and some lowland brush.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		20	Pole	8		White Pine	Low	Variable	Variable
Northern White Cedar		15	Pole/Sapling	5	72	Black Spruce	Low	Variable	Variable
Northern White Cedar		50	Log	13	133	Northern White Cedar	Medium	Variable	Variable
White Pine		15	Log/XLog/Pole	16		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
						Balsam Fir	Low	Variable	Variable
22	4319 - Mixed Upland Forest	Sawtimber Well	12.3	121	141-170	N/A	Large hemlock & white pine with oak, red maple and yellow birch of all sizes mixed in. The M3 understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Log/Pole	13	102	Red Maple	High	Variable	Variable
Yellow Birch		5	Log/Pole	12		Yellow Birch	Low	Variable	Variable
Red Oak		30	Log/Pole	13		Red Oak	Low	Variable	Variable
White Pine		35	Log/XLog/Pole	14	121	Hemlock	Trace	Variable	Variable
Hemlock		10	XLog/Log/Pole	18	189	White Pine	Low	Variable	Variable
23	6229 - Mixed Lowland Shrub	None	17.9			No	ERA - Patterned Fen. Dense lowland brush area dominated by tall tag alder over marsh vegetation.		
Sub-Canopy Species		Density	Avg. Height	Size					
Tag Alder		Full	5 - 10 feet	5 - 10 feet					
24	6121 - Tamarack	Poletimber Medium	5.9	136	51-80	N/A	Slow-growing tamarack mix. Two-aged structure is evident as species like spruce fill in the stand gaps and replace losses due to mortality.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		2	Pole/Sapling	6		Black Spruce	Low	Variable	Variable
Black Spruce		10	Pole/Sapling	6	72	Northern White Cedar	Low	Variable	Variable
Northern White Cedar		18	Pole/Log/Sap	8	136	Red Maple	Low	Variable	Variable
Tamarack		65	Pole/Log/Sap	8	136	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine		5	Log	14					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
25	6121 - Tamarack	Poletimber Medium	18.5	136	51-80	N/A	More tamarack/cedar mix that is beginning to display two-aged characteristics. Some cedar & spruce regen mixed into the lowland brush in the understory.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Pole/Sapling	5		Tag Alder		
Black Spruce		10	Pole/Sapling	6	72	Black Spruce		
Northern White Cedar		20	Pole/Sapling	6	136	Northern White Cedar		
Tamarack		65	Pole/Sap/Log	8	136			
White Pine		3	Log/XLog/Pole	14				
26	429 - Mixed Upland Conifers	Poletimber Medium	1.2	136	1-50	N/A	This semi-open stand has large white pine (up to 18" DBH+) and a few tamarack and paper birch. The understory is a mix of white pine/black spruce 2-4" DBH and lowland brush.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Sapling	4		Black Spruce		
Paper Birch		15	Pole/Sapling	7		Tag Alder		
Black Spruce		15	Sapling/Pole	4		White Pine		
Tamarack		20	Pole/Sap/Log	8				
White Pine		45	XLog/Log/Pole	18	136			
28	6121 - Tamarack	Poletimber Poor	5.4	131	1-50	N/A	Slow-growing tamarack/cedar. Understory is a mix of tag alder and conifer regeneration.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern White Cedar		30	Pole/Sapling	7		Tag Alder		
Tamarack		70	Sapling/Pole	4	131	Black Spruce		
						Northern White Cedar		
29	6121 - Tamarack	Poletimber Medium	4.7	122	1-50	N/A	Very slow-growing tamarack/cedar mix. Understory is a mix of cedar, tamarack and lowland brush.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		10	Pole/Sapling	6		Tamarack		
Northern White Cedar		30	Pole/Sapling	7		Northern White Cedar		
Tamarack		60	Pole/Sapling	7	122	Tag Alder		
30	6120 - Lowland Cedar	Poletimber Well	11.0	122	111-140	N/A	Slow-growing cedar. Understory consists of lowland brush and a few cedar seedlings.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		3	Pole/Sap/Log	8		Northern White Cedar		
Northern White Cedar		85	Pole/Sap/Log	8	122	Tag Alder		
Tamarack		12	Pole/Sapling	7				
31	6121 - Tamarack	Poletimber Medium	54.5	133	1-50	N/A	The density and species composition of this stand vary as a result of developing age-class diversity. The understory is also highly variable, with cedar regeneration slowly replacing the lowland brush. The age shown here is from previous inventory and represents the oldest cohort of slow-growing cedar, but age-class diversity is becoming evident.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern White Cedar		40	Pole/Sapling	7		Northern White Cedar		
Tamarack		60	Pole/Sapling	7	133	Tag Alder		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
34	6120 - Lowland Cedar	Poletimber Well	19.0	131	51-80	N/A	More slow-growing cedar. Site index was estimated using the year of stand origin from previous inventory data, which appears to be reasonably accurate. Some age class diversity is developing.																																											
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35	6121 - Tamarack	Poletimber Well	37.3	131	51-80	N/A	Cedar may eventually dominate this stand, as the understory also contains patches of cedar regeneration. Many larger tamarack (10"+ DBH, 4-5 pulpsticks) were present, but heavy mortality has taken a toll.																																											
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36	6229 - Mixed Lowland Shrub	None	18.7			No	ERA - Patterned Fen. Dense lowland brush area dominated by 8-12' tall tag alder over marsh vegetation.																																											
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37	6122 - Black Spruce	Poletimber Well	1.7	90	51-80	N/A																																												
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38	6229 - Mixed Lowland Shrub	None	61.7			No	ERA - Patterned Fen. Low- to medium-density lowland brush featuring a mix of species 3-6' tall. Willows appear to be the dominant species. Scattered sub-merchantable tamarack and cedar are present throughout the stand.																																											
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39	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	141.9	159	51-80	N/A	Density, composition and age structure vary throughout this stand, which also includes patches of semi-open lowland brush. The year of origin was carried forward from previous inventory data, but uneven-aged characteristics have become pronounced.																																											
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40	6121 - Tamarack	Poletimber Well	167.1	140	51-80	N/A	Mostly slow-growing 2-4 stick tamarack with other conifers mixed in. The understory is a mix of conifers and tag alder. The fir and spruce poles appear to be a second generation.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
41	6221 - Fen	None	1,938.6			No	ERA - Patterned Fen This stand is a large expanse of patterned fen with numerous drainages running through it, including Stoner and Shotgun Creeks. The species and density vary from dense tag alder and/or willow to patches of open marshland. Pockets of trees also exist on some of the dryer spots, and seasonal flooding occurs in many of the lowest spots.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Tag Alder	Medium	5 - 10 feet	5 - 10 feet					
								Willow spp.	Low	Variable	Variable					
42	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	30.5	110	51-80	N/A	Mixed softwood along the bank of the Creighton River.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Maple	10	Pole/Sapling	6		Balsam Fir	Medium	Variable	Variable
								Paper Birch	2	Pole	7		Red Maple	Medium	Variable	Variable
								Black Spruce	30	Pole/Sap/Log	8		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
								Northern White Cedar	45	Pole	8	110	Black Spruce	Low	Variable	Variable
								Tamarack	4	Pole/Log	8		Northern White Cedar	Low	Variable	Variable
								White Pine	2	Log/Pole	10					
								Black Ash	7	Pole/Sapling	6					
								43	6111 - Lowland Balsam Poplar	Sapling Poor	11.0	49	1-50	N/A	Slow-growing mixed aspen regeneration - most likely a result of burning in the 1976 Seney NWR fire. The understory is very light brush dominated by willow. Unclear whether or not this timber will reach merchantable size, but the site index appears to be too low for commercial management.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height									Size
Quaking Aspen	50	Sapling/Pole	4	49	Willow spp.	Low	5 - 10 feet									5 - 10 feet
Balsam Poplar	50	Sapling/Pole	4	49												
44	6229 - Mixed Lowland Shrub	None	159.2			No	Dense lowland brush consisting of mixed tag alder, willow etc. and scattered (mostly submerchantable) trees.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Tamarack	Low	Variable	Variable					
								Red Maple	Low	Variable	Variable					
Tag Alder	High	5 - 10 feet	5 - 10 feet													
45	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	3.7	110	1-50	N/A	Lowland mixed confers. Stand density and composition are highly variable.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Maple	10	Pole/Sapling	6		Tag Alder	Full	5 - 10 feet	5 - 10 feet
								Black Spruce	10	Pole/Log/Sap	8		Northern White Cedar	Low	Variable	Variable
								Northern White Cedar	40	Pole/Log/Sap	8	110				
								Tamarack	40	Pole/Log	8	110				
46	6112 - Lowland Aspen	Sapling Well	14.7	46	Unspecified	N/A	Mix of aspen, hardwood and conifer regeneration. A few trees already have a merchantable pulpstick.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Maple	15	Sapling	3		Black Spruce	Low	< 5 feet	< 5 feet
								Paper Birch	30	Sapling	3		Red Maple	Medium	Variable	Variable
								Quaking Aspen	40	Sapling/Pole	4	46	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
								Black Spruce	10	Sapling	2		Balsam Fir	Low	< 5 feet	< 5 feet
								Northern White Cedar	5	Sapling	2					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
47	6120 - Lowland Cedar	Poletimber Well	2.4	138	1-50	N/A	Slow-growing, semi-open cedar/tamarack stand with an understory of lowland brush and light conifer regen.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern White Cedar		50	Pole/Sap/Log	9	138	Northern White Cedar		
Tamarack		50	Log/Pole	11	138	Tag Alder		
						Tamarack		
						Density		
						Avg. Height		
						Size		
48	6120 - Lowland Cedar	Sawtimber Well	278.2	138	141-170	N/A	Large cedar stand. Overall, most of it is fairly slow-growing but some areas have very large cedar and white pine (18"+ DBH.) Site indices and stand density/composition vary quite a bit with slight elevation changes. Hemlock, spruce, fir, red maple, black ash and paper birch are all scattered throughout.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Pole/Sapling	6		Red Maple		
Paper Birch		2	Pole/Log/Sap	6		Tag Alder		
Black Spruce		2	Log/Pole	12		Black Spruce		
Northern White Cedar		65	Log/Pole/Sap	10	138	Northern White Cedar		
Tamarack		20	Log/Pole	12		Balsam Fir		
White Pine		9	XLog/Log/Pole	18		Black Ash		
						Mountain Maple		
						Density		
						Avg. Height		
						Size		
49	6121 - Tamarack	Sawtimber Well	132.6	134	51-80	N/A	Two-aged mix of tamarack over cedar. Both cedar and tamarack are found in the two age classes.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		5	Log/Pole/Sap	10		Tag Alder		
Northern White Cedar		35	Pole/Sapling	5	72	Balsam Fir		
Tamarack		60	Log/Pole	10	134	Black Spruce		
						Northern White Cedar		
						Density		
						Avg. Height		
						Size		
50	6120 - Lowland Cedar	Poletimber Well	42.7	138	171-200	N/A	Dense cedar stand with a few paper birch, balsam fir, black spruce and white pine also present, creating small pockets of Q-type within the stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		3	Pole/Log	6		Black Spruce		
Balsam Fir		4	Pole/Sapling	6		Northern White Cedar		
Black Spruce		4	Pole/Log	9		Balsam Fir		
Northern White Cedar		80	Log/Pole/Sap	10	138			
Tamarack		5	Log/Pole	10				
White Pine		4	Log/Pole/Sap	16				
						Density		
						Avg. Height		
						Size		
51	6120 - Lowland Cedar	Sapling Well	155.1	70	Unspecified	N/A	Small diameter cedar. The understory varies from marsh/bog to lowland brush.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		5	Sapling/Pole	4		Tag Alder		
Black Spruce		5	Sapling/Pole	4				
Northern White Cedar		75	Sapling/Pole	4	70			
Tamarack		15	Sapling/Pole	4				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
52	6120 - Lowland Cedar	Poletimber Well	194.5	138	51-80	N/A	Slower-growing than some of the adjacent cedar stands. Some age variability is developing but overall it still looks evenaged.																																																																
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54	6224 - Treed Bog	None	41.1			No	Numerous submerchantable cedar and tamarack up to 4" DBH, but site indices are very low.																																																																
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55	6120 - Lowland Cedar	Sapling Medium	101.9	70	Unspecified	N/A	Mix of slow-growing conifers on wet ground.																																																																
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56	6229 - Mixed Lowland Shrub	None	54.1			No	Dense lowland brush consisting of mixed tag alder, willow etc.																																																																
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57	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	91.3	92	81-110	N/A	This stand is a mix of two major timber types: lowland hardwoods (E-type) featuring red maple, balsam fir and scattered hemlock, and lowland conifers (Q-type) where spruce and cedar are dominant. Paper birch and large white pine are scattered throughout. The understory is more consistent, featuring a mix of conifers and red maple. This stand is truly an unevenaged mix, so a rough estimate of the age is shown here. Site indices also appear to be extremely variable.																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 6122 - Black Spruce Poletimber Well 24.8 106 51-80 N/A Mixed timber, but black spruce is the dominant species.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	18	Pole/Sapling	6		Black Spruce	Medium	Variable	Variable
Paper Birch	3	Pole/Log	8		Red Maple	Medium	Variable	Variable
Balsam Fir	10	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	50	Pole/Log/Sap	8	106	Balsam Fir	Medium	Variable	Variable
Northern White Cedar	5	Pole/Sapling	6					
Tamarack	5	Log/Pole	10					
White Pine	5	Log/Pole	12					
Black Ash	4	Pole/Sapling	6					

62 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 2.8 106 51-80 N/A Small island of timber. Some age class diversity may be present as the stand is filling in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Paper Birch	5	Pole/Sapling	5					
Black Spruce	25	Pole/Sapling	7					
Northern White Cedar	40	Pole/Sapling	6	106				
Tamarack	20	Pole	7					
Black Ash	5	Pole/Sapling	5					

63 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 3.5 97 81-110 N/A Understory features balsam fir, black spruce & cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	6		Black Spruce	Medium	Variable	Variable
Balsam Fir	15	Pole/Sapling	6		Northern White Cedar	Medium	Variable	Variable
Black Spruce	20	Pole/Sapling	7		Balsam Fir	Medium	Variable	Variable
Northern White Cedar	30	Pole	8	97	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Tamarack	5	Pole	9					
Black Ash	10	Pole/Log	8					

64 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 7.0 110 51-80 N/A Mixed conifer stand along the Creighton River.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	9		Black Spruce	Low	Variable	Variable
Black Spruce	25	Pole	7		Balsam Fir	Low	Variable	Variable
Northern White Cedar	40	Pole/Log	9	110	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Ash	15	Pole	7					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
65	6120 - Lowland Cedar	Poletimber Well	16.6	110	51-80	N/A	Very wet stand along the Creighton River. The understory is a mix of light conifer regen and lowland brush. A few merchantable black ash are present.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		10	Pole/Log	8		Black Spruce		
Northern White Cedar		75	Pole/Sap/Log	8	110	Northern White Cedar		
Tamarack		10	Pole/Log	9		Tag Alder		
Black Ash		5	Pole/Sapling	5		Density		
						Avg. Height		
						Size		
66	6120 - Lowland Cedar	Poletimber Well	14.5	110	81-110	N/A	Cedar mix on wet ground along the Creighton River. Density and composition are variable.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Pole/Sap/Log	6		Red Maple		
Black Spruce		10	Pole/Log	9		Tag Alder		
Northern White Cedar		65	Pole/Log	9	110	Black Ash		
Tamarack		5	Log/Pole	12		Balsam Fir		
White Pine		5	Log/Pole/XLog	14		Northern White Cedar		
Black Ash		10	Pole/Sap/Log	6		Density		
						Avg. Height		
						Size		
67	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.3	105	51-80	N/A	Mixed lowland conifers on wet ground. Tag alder is fairly dominant in the understory where the stand is more open, but shade-tolerant tree spp are more prevalent under the denser canopy.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole/Sapling	6		Balsam Fir		
Balsam Fir		10	Pole/Sapling	6		Red Maple		
Black Spruce		20	Log/Pole	10		Tag Alder		
Northern White Cedar		40	Pole/Log/Sap	9	105	Black Ash		
White Pine		10	Log/Pole/XLog	14		Density		
Black Ash		10	Pole/Sapling	6		Avg. Height		
						Size		
68	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	10.6	105	51-80	N/A	Mixed conifers on wet ground.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole/Sap/Log	6		Balsam Fir		
Paper Birch		3	Pole/Log	9		Black Ash		
Balsam Fir		10	Pole/Sapling	6		Red Maple		
Black Spruce		18	Pole/Log	9		Tag Alder		
Northern White Cedar		40	Pole/Log/Sap	9	105	Density		
Tamarack		10	Log/Pole	10		Avg. Height		
White Pine		6	Log/Pole/XLog	14		Size		
Black Ash		3	Pole/Sapling	6				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	6120 - Lowland Cedar	Poletimber Well	14.2	110	51-80	N/A	Slow-growing mixed conifers near the Creighton River Some black ash is also present.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sapling	6		Red Maple	
Paper Birch		5	Pole/Log	9		Black Ash	
Black Spruce		5	Pole/Sap/Log	8		Northern White Cedar	
Northern White Cedar		55	Pole/Sapling	7	110	Balsam Fir	
Tamarack		20	Log/Pole/Sap	10			
Black Ash		5	Pole/Sapling	6			
70	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	1.6	105	1-50	N/A	Semi-open lowland conifers - uneven-aged characteristics are developing. The understory is dominated by lowland shrubs.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		30	Pole/Sapling	7		Tag Alder	
Northern White Cedar		40	Pole/Sap/Log	7	105	Black Spruce	
Tamarack		15	Pole/Log	8		Northern White Cedar	
White Pine		15	Log/XLog/Pole	16			
71	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.8	105	81-110	N/A	Mixed timber on wet ground.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Pole/Sapling	6		Black Spruce	
Black Spruce		20	Pole/Log	8		Northern White Cedar	
Northern White Cedar		20	Pole/Log/Sap	7		Red Maple	
Tamarack		30	Pole/Log	9	105	Tag Alder	
72	429 - Mixed Upland Conifers	Sawtimber Well	34.6	133	81-110	N/A	This stand has reached an uneven-aged condition. The cedar poles are in the 6-8" DBH class, many of the the hemlock and white pine are larger (log size class) trees, and the understory is a conifer mix.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		3	Pole/Log	8		Black Spruce	
Northern White Cedar		30	Pole/Log	8	102	Northern White Cedar	
Tamarack		3	Log/Pole	10		Hemlock	
White Pine		45	Log/XLog/Pole	16	133	White Pine	
Hemlock		19	Log/XLog/Pole	16			
73	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	16.2	133	1-50	N/A	Semi-open timber on very wet ground. Age-class diversity is present; composition and stand density are highly variable, with basal area ranging from 0-90 sq.ft./acre.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Sapling	5		Northern White Cedar	
Paper Birch		5	Pole/Sap/Log	6		Black Ash	
Black Spruce		25	Pole/Sapling	6		Red Maple	
Northern White Cedar		35	Pole/Sap/Log	7	133	Tag Alder	
Tamarack		30	Pole/Sapling	7	102		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
74	6120 - Lowland Cedar	Poletimber Medium	1.0	133	1-50	N/A	Small island of slow-growing, semi-open timber.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		50	Pole/Sapling	7	133	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Tamarack		50	Pole/Sapling	7	133				
75	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	2.4	109	111-140	N/A	Island of timber in the marsh.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole/Sap/Log	6		Red Maple	Low	Variable	Variable
Paper Birch		5	Pole/Log	9		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir		15	Pole/Sapling	6	72	Balsam Fir	Medium	Variable	Variable
Black Spruce		15	Pole/Log	9		Northern White Cedar	Medium	Variable	Variable
Northern White Cedar		30	Pole/Log/Sap	8	133				
White Pine		30	Log/Pole/XLog	14	109				
76	6120 - Lowland Cedar	Sawtimber Well	9.3	138	201+	N/A	Type 1 old-growth. Very large cedar plus a few other spp. scattered within the stand. Some of the cedar are 22-24" DBH and greater, and display heights not commonly attained by this species. The 6-8" fir & spruce give the appearance of a second generation occupying canopy gaps formed by natural disturbances. The understory varies significantly in height, density and composition, and is best described as a mix of cedar, fir, spruce and hemlock. The age shown here is from previous inventory, but there are definitely cedar and hemlock present which are significantly older.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		2	Pole/Log	8	72	Black Spruce	Low	Variable	Variable
Black Spruce		4	Pole/Log	8	72	Northern White Cedar	Medium	Variable	Variable
Northern White Cedar		90	Log/XLog/Pole	16	138	Hemlock	Medium	Variable	Variable
Hemlock		4	Log/Pole/XLog	16		Balsam Fir	High	Variable	Variable
77	6120 - Lowland Cedar	Poletimber Well	3.2	138	51-80	N/A	Slow-growing cedar/tamarack stand with an understory of lowland brush and scattered conifer regen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		60	Pole/Log/Sap	9	138	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Tamarack		40	Log/Pole	10		Northern White Cedar	Low	Variable	Variable
						Tamarack	Low	Variable	Variable
79	622 - Lowland Shrub	None	11.2			No	Fairly dense lowland brush area dominated by 8-12' tall tag alder over marsh vegetation.		
Sub-Canopy Species		Density	Avg. Height	Size					
Tag Alder		High	5 - 10 feet	5 - 10 feet					
80	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	3.9	133	51-80	N/A	Mixed conifers on a slightly elevated ground.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		10	Pole/Log/Sap	7		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir		10	Pole/Sapling	6		Balsam Fir	Low	Variable	Variable
Black Spruce		5	Pole/Log/Sap	9		Northern White Cedar	Low	Variable	Variable
Northern White Cedar		40	Pole/Sap/Log	8	133				
Tamarack		15	Pole/Log/Sap	9					
White Pine		20	Log/XLog/Pole	16					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																													
81	622 - Lowland Shrub	None	17.1			No	Fairly dense lowland brush with scattered trees, most of which are submerchantable.																													
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82	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	4.0	142	51-80	N/A	Pocket of slow-growing timber over tag alder. A few larger cedar are also present, and a few smaller ones in the understory. In reality there is age class diversity but the trees are so slow-growing that it is not clearly evident.																													
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83	622 - Lowland Shrub	None	42.7			No	ERA - Patterned Fen Lowland brush - primarily tag alder with pockets of willow, scattered trees, etc.																													
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84	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	1.0	91	1-50	N/A	Small island of timber.																													
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88	6120 - Lowland Cedar	Poletimber Medium	12.4	133	51-80	N/A	Mixed stand featuring variable density and composition, with basal area ranging from 20 to 150 sq.ft./acre. Many of the white pine are 18"+ DBH. Understory is tag alder and a few small cedar on the wetter areas, and a mix of spruce, fir, red maple and white pine on the slightly higher ground. The balsam fir is probably a second generation, indicating that uneven-aged characteristics are developing in this stand.																													
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89	6229 - Mixed Lowland Shrub	None	28.7			No	ERA - Patterned Fen. Moderate to light lowland brush area dominated by a mix of tag alder & willow over marsh vegetation. Scattered clumps of trees are also present.																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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90 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 10.5 133 51-80 N/A Previous inventory data listed a year-of-origin of 1893 for this stand, but evidence of mortality, a second generation of fir, etc. strongly suggests that an uneven-aged condition has developed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	6		Northern White Cedar	Medium	Variable	Variable
Paper Birch	10	Pole/Log/Sap	7		Balsam Fir	Medium	Variable	Variable
Balsam Fir	25	Pole/Sapling	6	72	Red Maple	Medium	Variable	Variable
Black Spruce	10	Pole/Log/Sap	7					
Northern White Cedar	25	Pole/Sap/Log	7	133				
Tamarack	10	Pole/Log/Sap	8					
White Pine	10	Log/Pole/Sap	14					

91 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 1.1 133 51-80 N/A Small island of slow-growing timber.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	6		Red Maple	Low	Variable	Variable
Balsam Fir	5	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	5	Pole/Sapling	6		Balsam Fir	Low	Variable	Variable
Northern White Cedar	40	Pole/Sapling	6	133				
Tamarack	30	Pole/Sapling	7					

92 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 24.5 109 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	6		Balsam Fir	Low	Variable	Variable
Paper Birch	3	Pole/Log/Sap	8		Red Maple	Low	Variable	Variable
Balsam Fir	6		5		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Spruce	20	Pole/Log/Sap	7		Northern White Cedar	Low	Variable	Variable
Northern White Cedar	10	Pole/Sap/Log	6	133				
Tamarack	26	Pole/Sap/Log	7	133				
White Pine	30	Log/Pole	10	109				

Variable density mix of timber on wet ground. The understory is a mix of lowland brush and scattered conifer regeneration. The given year of origin reflects stand history, but uneven-aged conditions are developing.

93 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 18.9 133 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	6		Northern White Cedar	Low	Variable	Variable
Paper Birch	10	Pole/Sapling	7		Balsam Fir	Medium	Variable	Variable
Balsam Fir	20	Pole/Sapling	6		White Pine	Low	Variable	Variable
Black Spruce	15	Pole/Log/Sap	8		Red Maple	Low	Variable	Variable
Northern White Cedar	33	Pole/Sap/Log	7	133	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	10	XLog/Log/Pole	18					
Black Ash	2	Pole/Sapling	6					

Mixed timber - density and composition vary quite a bit from place to place within this stand. Site indices also vary significantly with elevation changes.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
94	6120 - Lowland Cedar	Poletimber Medium	3.2	133	51-80	N/A	Cedar mix on wet ground.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sapling	6		Red Maple	
Balsam Fir		15	Pole/Sapling	6		Tag Alder	
Black Spruce		5	Pole	8		Balsam Fir	
Northern White Cedar		50	Pole/Log	8	133	White Pine	
Tamarack		5	Pole/Log	8		Northern White Cedar	
White Pine		15	Log/XLog/Pole	16			
95	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.3	72	51-80	N/A	Somewhat open but still fully-stocked mix of conifers with a few paper birch and red maple. The understory is a mix of lowland brush and scattered conifer regeneration. This stand was formerly listed with a year of origin of 1893, but only a few of the birch appear to be anywhere near that old. Most of the stocking appears to be a second generation, as mortality has claimed the original cohort.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Pole/Sapling	7		Black Spruce	
Paper Birch		15	Log/Pole	12		Balsam Fir	
Balsam Fir		20	Pole/Sapling	6		Tag Alder	
Black Spruce		20	Pole/Sapling	6			
96	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	2.8	133	1-50	N/A	Mixed conifers on a wet site. A few paper birch also present.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		25	Pole/Sapling	7		Tag Alder	
Northern White Cedar		30	Pole/Sapling	7			
Tamarack		45	Pole/Sap/Log	7	133		
97	6124 - Lowland Spruce-Fir	Poletimber Well	14.1	99	81-110	N/A	Two-aged, mixed stand featuring 14-20" white pine DBH sawlogs over a variety of poles/logs about 6-10" DBH. In the understory black spruce and balsam fir are the dominant species, but in some areas tag alder is more prevalent. Density and composition are highly variable, with basal area ranging from 20 to 120+ sq. ft./acre.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Pole	7	72	Black Spruce	
Paper Birch		20	Pole/Log	9		Red Maple	
Balsam Fir		7	Pole/Sapling	6		Tag Alder	
Black Spruce		45	Pole/Log/Sap	7	99	Balsam Fir	
Northern White Cedar		10	Pole/Log	8	133		
Tamarack		6	Pole/Log	9			
White Pine		10	XLog/Log/Pole	18			
98	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.1	102	81-110	N/A	Island of timber.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Log/Pole	10	133	Red Maple	
Paper Birch		15	Pole/Log	9		Tag Alder	
Balsam Fir		4	Pole/Sapling	6		Balsam Fir	
Black Spruce		15	Pole/Sapling	6			
Tamarack		11	Log/Pole	10			
White Pine		45	XLog/Log	18	102		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
99	6139 - Mixed Lowland Forest	Poletimber Well	5.9	72	81-110	N/A	Stand's year of origin was previously listed as 1893, but mortality has claimed almost all of the first cohort from that stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		25	Pole/Sapling	6		Red Maple	
Paper Birch		20	Pole	7		Balsam Fir	
Balsam Fir		10	Pole/Sapling	6			
Black Spruce		45	Pole/Sapling	7	72		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Medium	Variable	Variable			
Balsam Fir		Medium	Variable	Variable			
100	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	21.0	72	81-110	N/A	Very large white pine over a mix of spruce, cedar and paper birch. Age class diversity is pretty well defined, as the spruce etc. are clearly younger than the white pine. Site indices and stand density are variable. The understory is primarily a mix of spruce and lowland brush, with a few scattered fir & red maple. Creighton marsh fire was in this stand in 2023.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		4	Pole/Sapling	6		Black Spruce	
Paper Birch		15	Pole/Sapling	6	72	Balsam Fir	
Balsam Fir		6	Pole/Sapling	5		Willow spp.	
Black Spruce		30	Pole/Log/Sap	7	72	Red Maple	
Northern White Cedar		15	Pole/Sapling	6		Tag Alder	
Tamarack		10	Pole/Log/Sap	8			
White Pine		20	XLog/Log/Pole	20	133		
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Medium	Variable	Variable			
Balsam Fir		Low	Variable	Variable			
Willow spp.		Low	Variable	Variable			
Red Maple		Low	Variable	Variable			
Tag Alder		Low	5 - 10 feet	5 - 10 feet			
103	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	3.6	133	141-170	N/A	Very large (24+\" DBH) white pine over a mix of red maple and cedar, with a few spruce and paper birch scattered about. The understory is mostly cedar and balsam fir regeneration with some low brush mixed in. Uneven-aged characteristics are fully developed as the second cohort of fir and maple have reached the main canopy..
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		25	Pole/Sapling	6	72	Tag Alder	
Paper Birch		10	Pole/Sap/Log	7		Northern White Cedar	
Balsam Fir		5	Pole/Sapling	6		Balsam Fir	
Black Spruce		10	Pole/Sap/Log	7			
Northern White Cedar		20	Pole/Sap/Log	7			
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		Low	5 - 10 feet	5 - 10 feet			
Northern White Cedar		Medium	Variable	Variable			
Balsam Fir		Medium	Variable	Variable			
104	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.1	99	81-110	N/A	Large white pine over a mix of other species. Creighton marsh fire within stand 2023
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Pole/Log/Sap	8	133	Red Maple	
Paper Birch		15	Pole/Log	8		White Pine	
Balsam Fir		3	Pole/Sapling	7	72	Balsam Fir	
Black Spruce		35	Pole/Log	9	99		
Northern White Cedar		3	Pole/Sapling	6			
Tamarack		3	Log/Pole	10			
White Pine		26	XLog/Log/Pole	20	106		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Medium	Variable	Variable			
White Pine		Low	Variable	Variable			
Balsam Fir		Medium	Variable	Variable			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
105	6120 - Lowland Cedar	Poletimber Well	1.0	110	81-110	N/A	Cedar near the east bank of the Creighton River. The understory is extremely variable.
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		11	Pole/Log	8			
Balsam Fir		10	Pole/Sapling	6			
Black Spruce		6	Pole/Log	8			
Northern White Cedar		67	Pole/Sap/Log	8	110		
Tamarack		6	Pole/Log/Sap	7			
106	6120 - Lowland Cedar	Poletimber Well	5.1	110	81-110	N/A	Cedar near the Creighton River. Mature tamarack was present but has died almost completely out.
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		8	Pole/Log/Sap	8			
Balsam Fir		8	Pole/Sapling	6			
Black Spruce		9	Pole/Sap/Log	8			
Northern White Cedar		75	Pole/Sap/Log	8	110		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Low	Variable	Variable			
Tag Alder		Medium	5 - 10 feet	5 - 10 feet			
Northern White Cedar		Low	Variable	Variable			
108	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.7	110	81-110	N/A	Mixed timber on the east bank of the Creighton River.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		34	Pole/Sap/Log	8			
Paper Birch		5	Pole/Log	8			
Balsam Fir		10	Pole/Sapling	7			
Black Spruce		10	Pole/Log/Sap	8			
Northern White Cedar		36	Pole/Sap/Log	8	110		
White Pine		5	Log	12			
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	Variable	Variable			
Red Maple		Medium	Variable	Variable			
109	623 - Emergent Wetland	None	4.6			No	Lowland brush along the Creighton River - mostly tag alder with a few scattered trees.
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		High	5 - 10 feet	5 - 10 feet			
110	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	1.3	142	51-80	N/A	Small island of lowland conifer
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		17	Pole/Sapling	6			
Black Spruce		26	Pole/Sapling	5			
Northern White Cedar		40	Pole/Log	8	142		
Tamarack		17	Pole/Log	9			
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		Medium	5 - 10 feet	5 - 10 feet			