



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41019

Entry Year 2022

Acreage: 2,364

County Schoolcraft

Management Area: Seney Manistique Swamp

Revision Date: 2020-05-08

Stand Examiner: Thomas Burnis

Legal Description:

T45N R16W Sections: 25,26,34,35,36

Identified Planning Goals:

Seney Manistique swamp

Soil and topography:

Two LTA's are found in the compartment. The Channel Fen South makes up the majority of the compartment while the Shingleton Fen is found in only a small part of the compartment.

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

Land within the compartment boundaries is all State land except for 160 acres of private ownership in section 34. To the east of the compartment lies the Seney wildlife refuge, in all other directions are state land with scattered private in holdings.

Unique Natural Features:

Currently under review by MNFI.

Archeological, Historical, and Cultural Features:

There is an old logging camp in located in the compartment.

Special Management Designations or Considerations:

640 acres were acquired after the 1992 review from the Seney Wildlife Refuge. This is the third time it has been inventoried.

Watershed and Fisheries Considerations:

Fisheries Values are good in this compartment. Both the Creighton and the West Branch Manistique Rivers are classed Second Quality Warm Water, but the whole Hickey Creek system to the west is Second Quality Cold Water, supporting native brook trout. Fisheries does no active management in any of these waters. Even so, protection from sand bedload is still a high priority.

Wildlife Habitat Considerations:

Compartment 19 lies within central Schoolcraft county in the Seney Sand Lake Plain ecological sub-subsection and is part of Seney-Manistique Swamp Management area with beaver, moose, sharp-tailed grouse, snowshoe hare, and white-tailed deer as featured species. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 degrees F. Annual snowfall in this area averages 120 inches.

The historic upland forest cover was hardwood/conifer mix including hemlock, white pine, red pine, maple and beech. The lowlands also contained a mixture of conifer and deciduous species including cedar, alder, black ash, tamarack, and black spruce. Natural disturbances in this area probably included fire, windthrow, and beaver ponding. Current vegetative cover within the compartment includes mature white pine, upland and lowland hardwoods, red pine, and spruce. Immature (regenerating) stands include balsam poplar, jack pine, red pine and aspen.

Wildlife habitat management objectives include managing the mature hardwood and pine stands to encourage structural and species diversity. Large diameter pulp quality trees will be left to develop snag and den trees. Development of a super-canopy will also result from the management of these stands. Other wildlife priorities include aspen management for early successional species and the creation of dense understory's with retention of woody debris in jack pine and lowland types and retaining soft and hard mast producing species in harvested stands. There are several plant species of concern in the vicinity of this compartment. Other wildlife species of interest include gray wolf, fisher, marten, sandhill crane, and saw-whet owl.

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 Trenton Limestone subcrops below the glacial drift. The Trenton is used for stone/dolomite. The nearest gravel pit is 5 miles to the north. There is limited gravel potential on State lands. Approximately 20% 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:

Hunting, fishing and trapping are the most common recreation in this area.

Fire Protection:

Response time to fires within this compartment will be slow. The compartment is located approximately half way between the Shingleton, Seney, and Thompson offices. Access will be difficult in the western portions of the compartment. It is mostly low ground with various drainages to cross. Lightning fires can be a problem in the western areas of the compartment. Sandy soils in the eastern portion of the compartment support mixed pine forest types which can be fire threats throughout the fire season. The compartment has numerous sources of water from the various creeks which flow through it. Lowland drainages may support the use of well points.

Additional Compartment Information:

The following reports from the Inventory are attached:

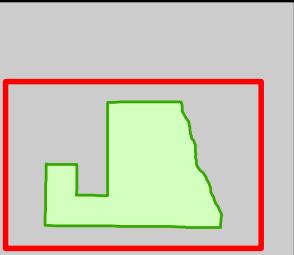
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

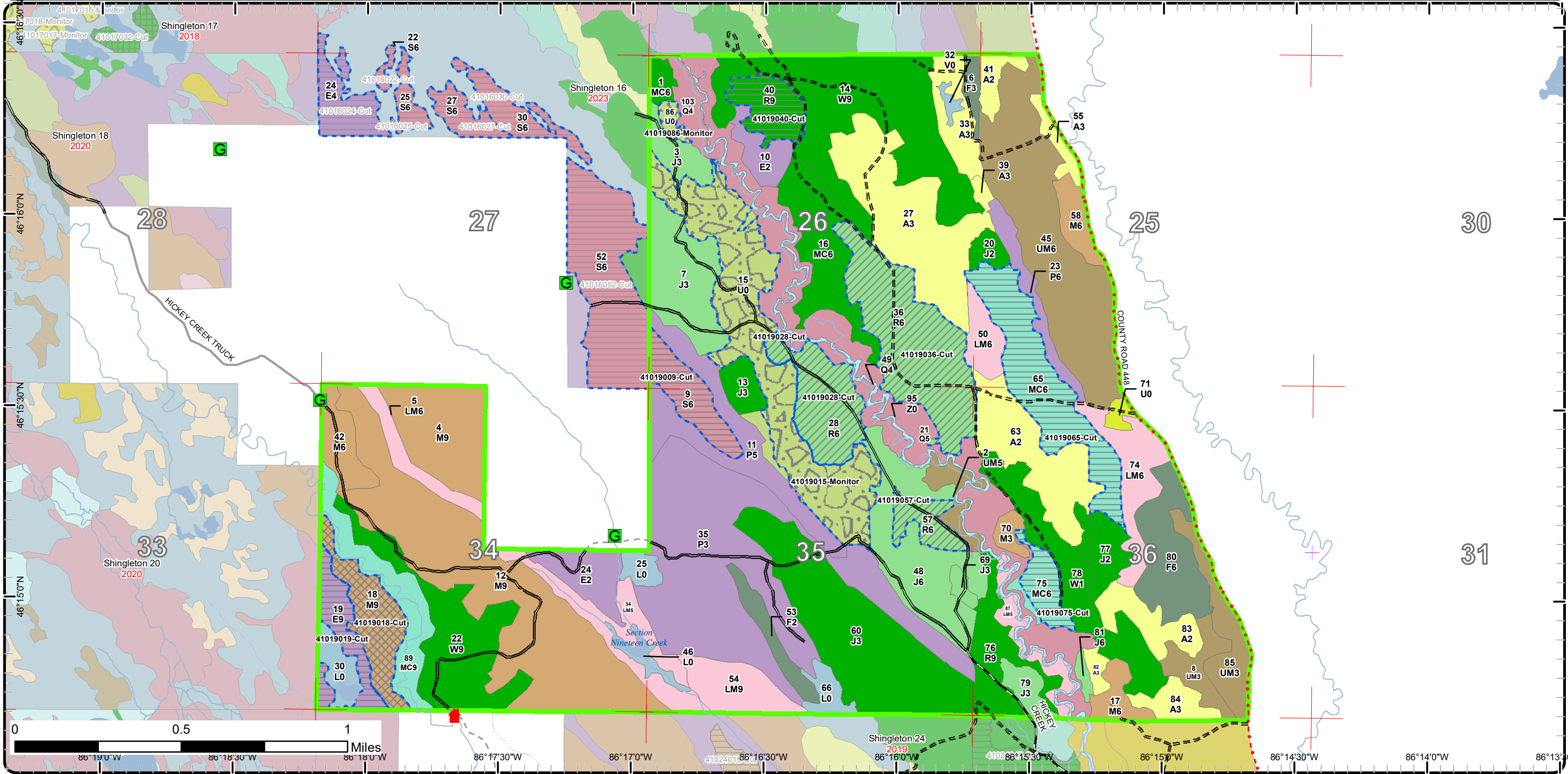
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 19
 T45N, R16W, Sec: 25, 26, 34-36
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2022
 Acres: 2,364 GIS Calculated
 Examiner: Thomas Burnis
 Map Revised: 8/26/2020
 Map Phase: Web Post

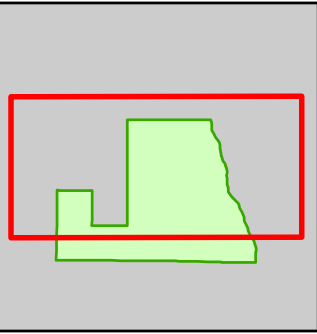


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Cabin
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

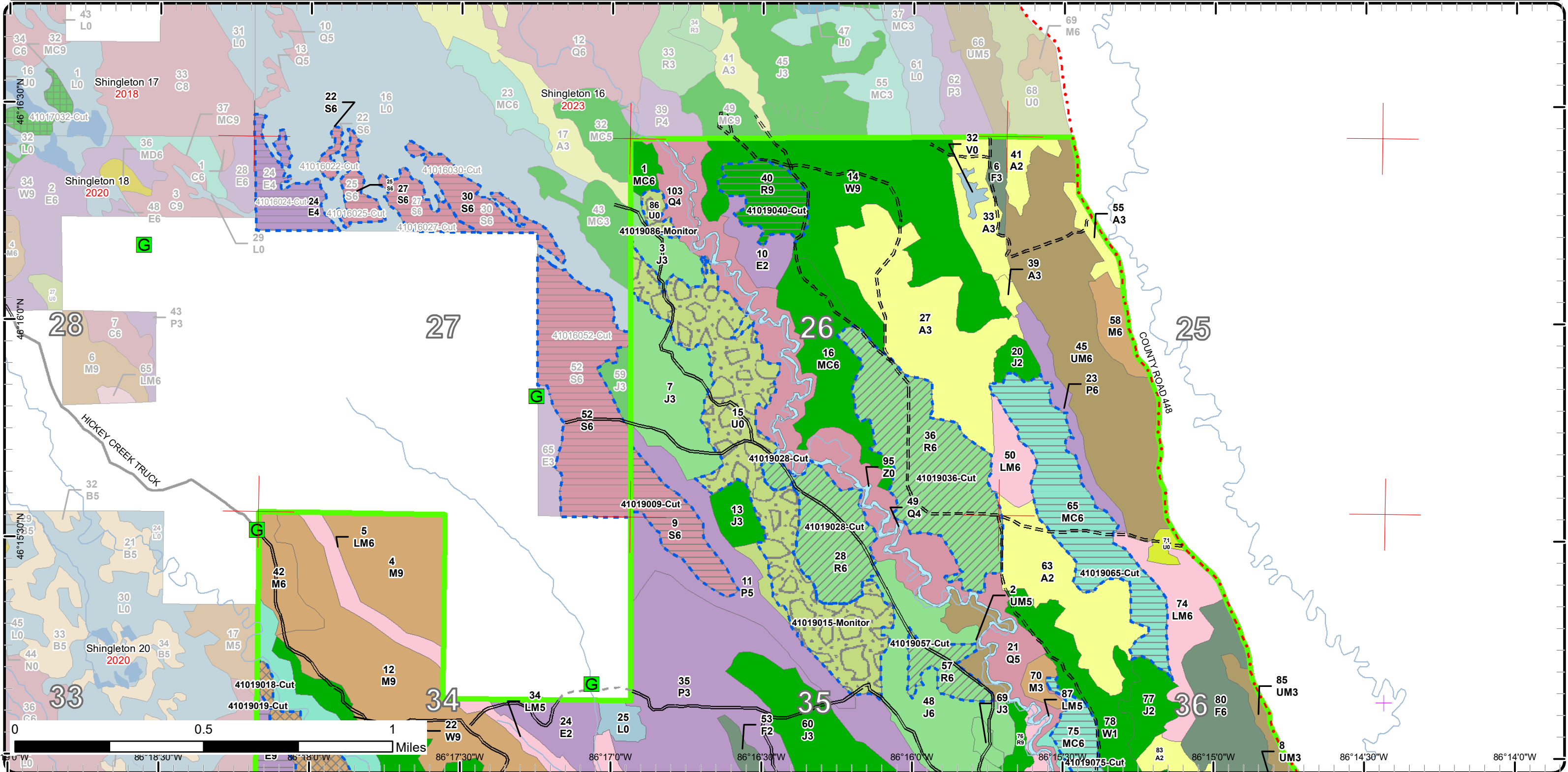


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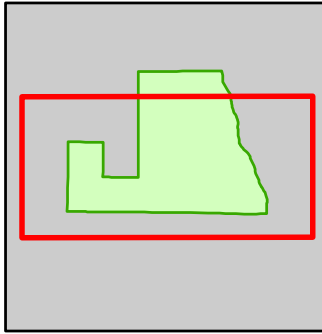


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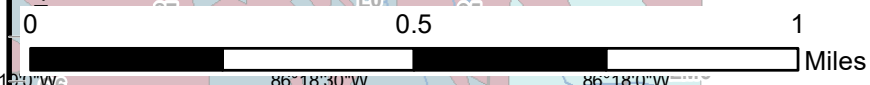
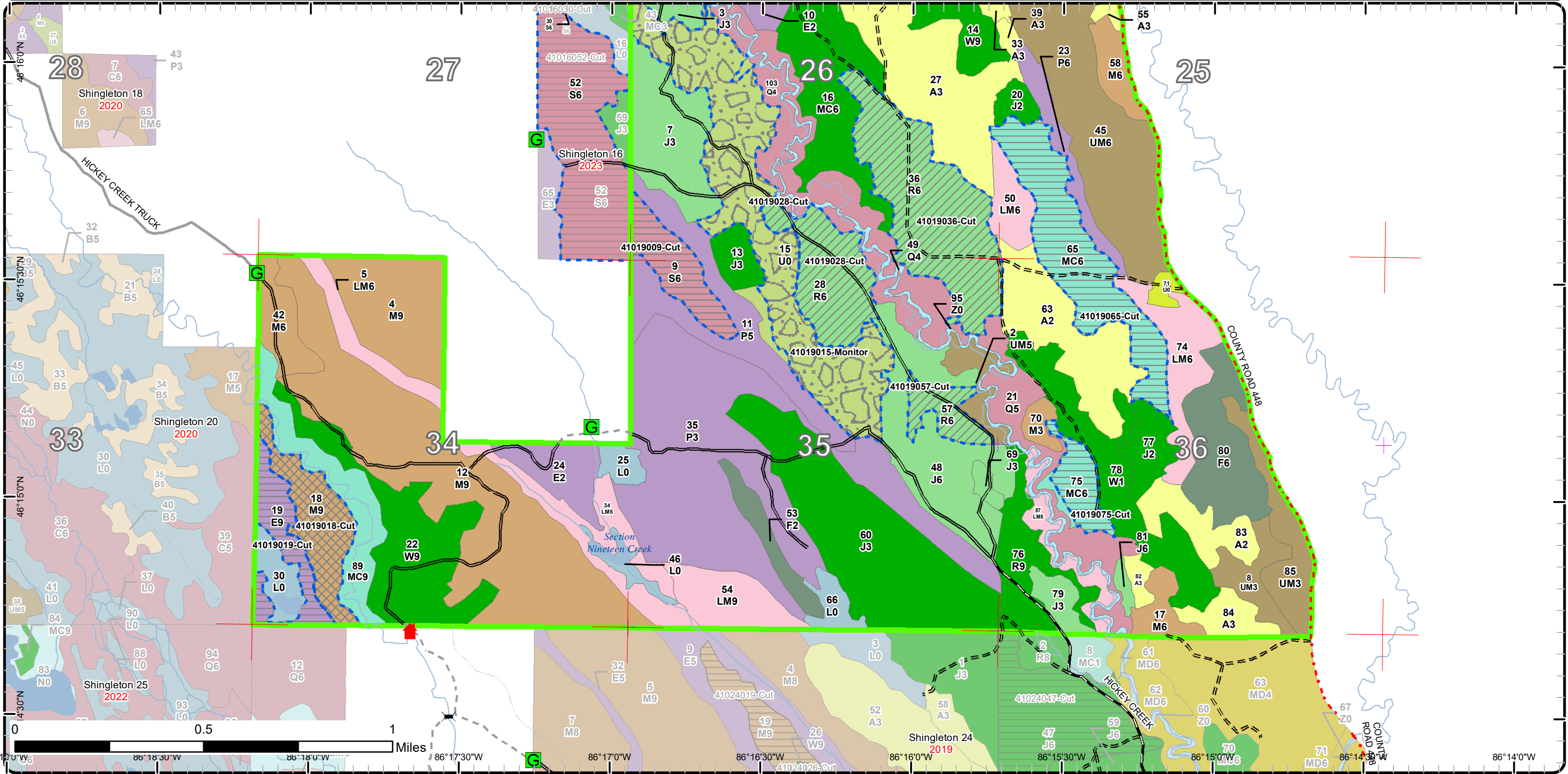


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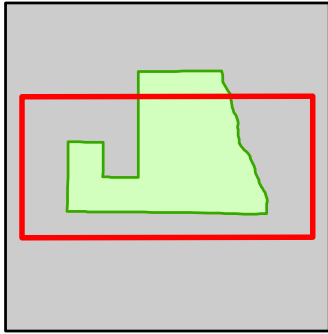
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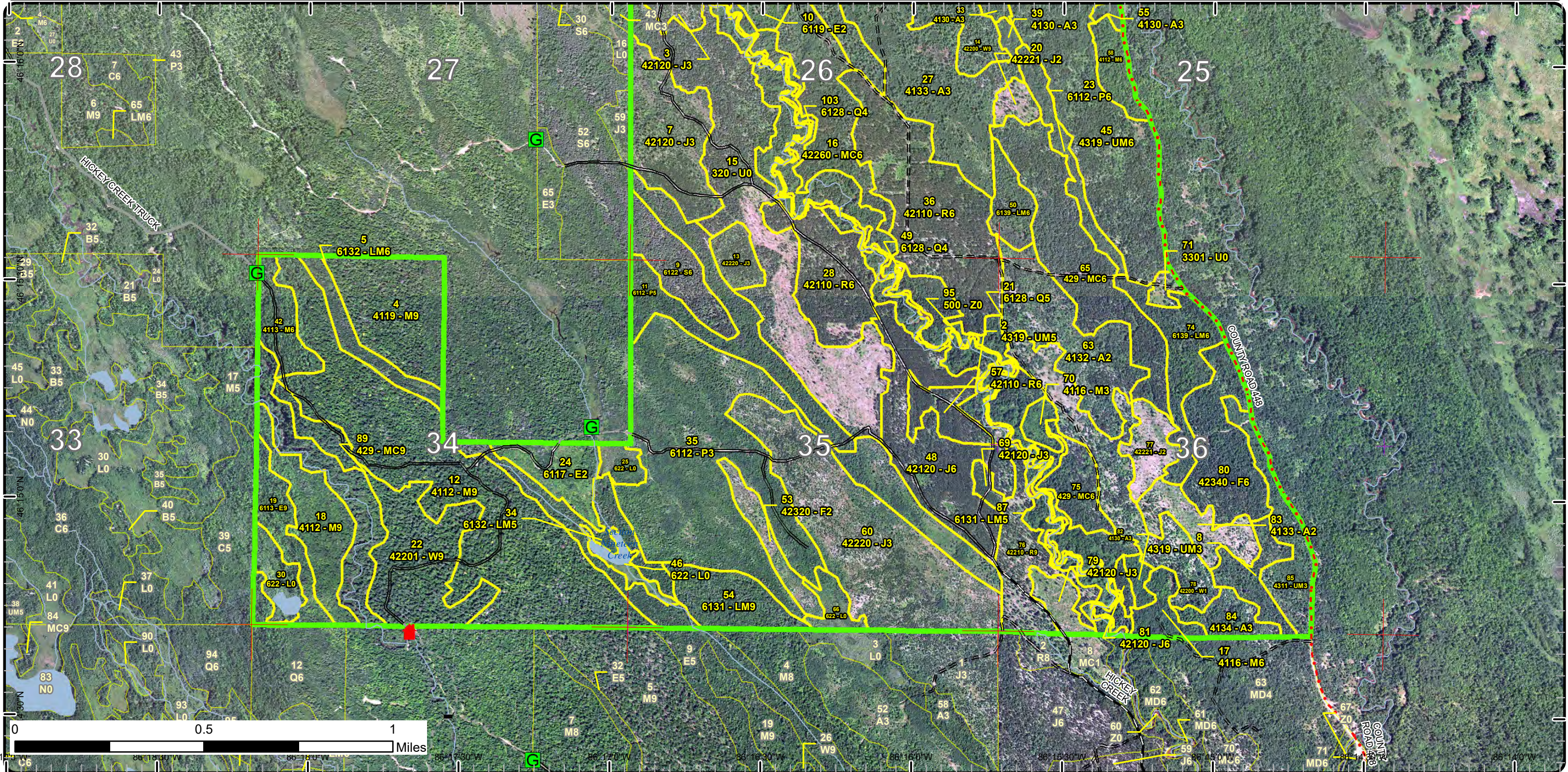
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Stand Boundary Map

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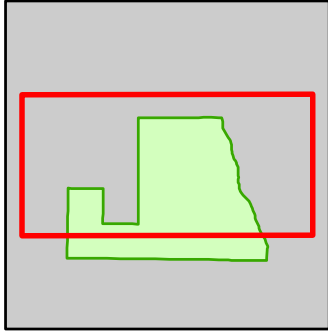


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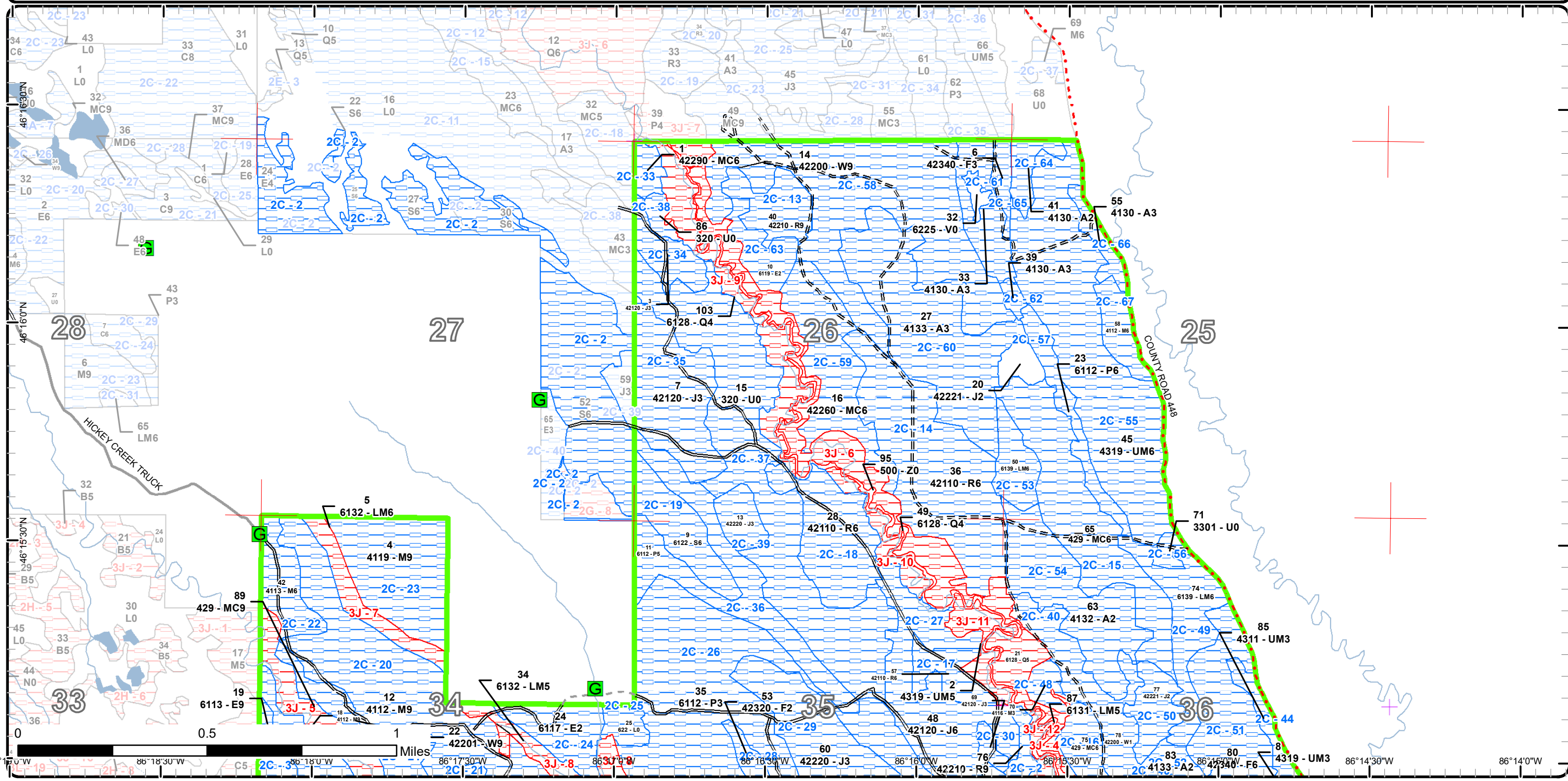


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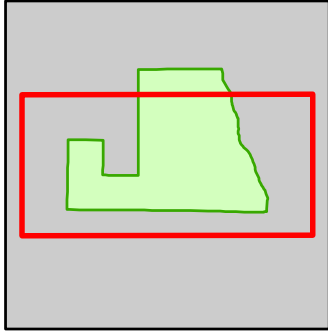


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams

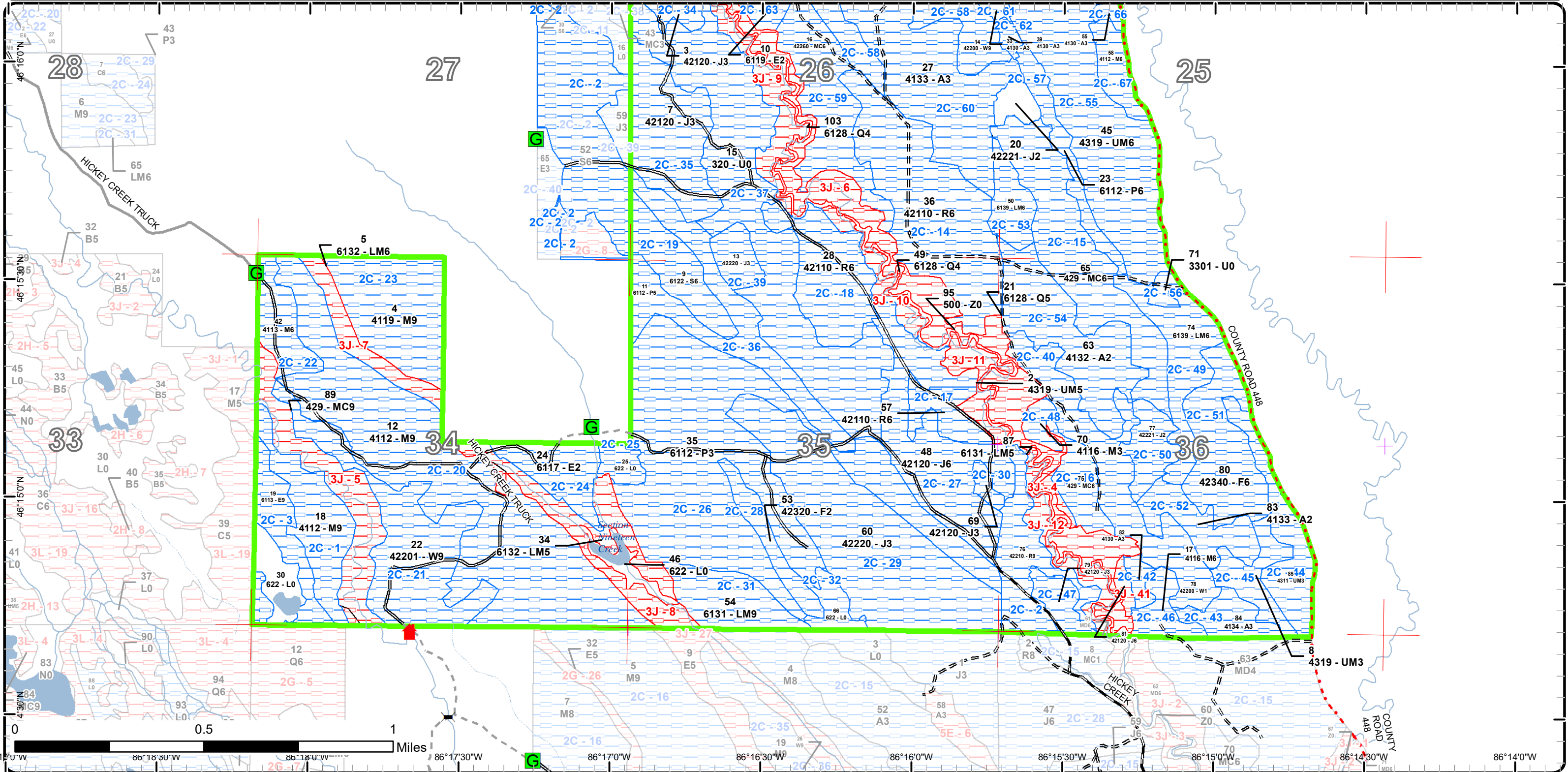


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Report 1 – Total Acres by Cover Type and Age Class



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
Aspen	0	30	15	81	84	0	0	0	0	0	0	0	0	0	0	0	0	0	210
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	22	10	181	0	65	3	0	0	0	0	0	0	0	0	0	0	0	281
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	0	171	16	0	48	0	0	0	0	0	0	0	0	0	0	0	235
Lowland Conifers	0	0	0	0	0	0	0	112	10	0	0	0	0	0	0	0	0	0	122
Lowland Deciduous	0	0	36	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	59
Lowland Mixed Forest	0	0	0	0	14	31	0	0	15	72	0	0	0	0	0	0	0	0	132
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	24
Natural Mixed Pines	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Northern Hardwood	0	0	6	0	0	0	0	31	0	13	0	0	0	0	0	0	0	243	293
Red Pine	0	0	0	0	0	0	138	0	0	53	0	0	0	0	0	0	0	0	191
Upland Conifers	0	0	0	0	0	64	0	53	0	0	0	0	0	0	0	0	0	0	117
Upland Mixed Forest	0	0	43	0	115	0	0	0	0	11	0	0	0	0	0	0	0	0	169
Upland Shrub	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127
Upland Spruce/Fir	0	0	0	14	48	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
White Pine	0	0	53	0	0	0	0	0	0	114	63	0	0	0	0	0	0	0	230
Total	191	52	163	447	327	160	212	196	25	263	87	0	0	0	0	0	0	243	2365



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 19

Total Compartment Acres: 2,364

Commercial Harvest -
 Harvests with Site Condition - 319
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Deciduous	23	0	0	0	0	0	0	0	0	23
Lowland Spruce/Fir	24	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	33	0	0	0	0	0	0	0	33
Red Pine	22	0	0	0	0	138	0	0	0	160
Upland Conifers	79	0	0	0	0	0	0	0	0	79
Total	148	33	0	0	0	138	0	0	0	319

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	319	0	0	0	0	0	122	0	0	441
Next Step	0	123	144	0	0	22	325	0	0	614
Total	319	123	144	0	0	22	447	0	0	1055



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

Proposed Treatments:

22	41016022-Cut	2.7	6122 - Black Spruce	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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>											

24	41016024-Cut	21.8	6118 - Lowland Deciduous with Cedar	Poletimber Poor	97	Unspecified	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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	8.5	6122 - Black Spruce	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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	12.1	6122 - Black Spruce Poletimber Well	80	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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	18.7	6122 - Black Spruce Poletimber Well	80	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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	77.0	6122 - Black Spruce Poletimber Well	80	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</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.</p> <p><u>Specs:</u> 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 /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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9	41019009-Cut	24.3	6122 - Black Spruce Poletimber	Well	95		Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock if it exists. Put retention patch where appropriate. Mark a few red and white pine with green paint to maintain as a seed source.</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> Mix of lowland conifer species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Manage with stand 52 of compartment 16.</p> <p><u>Comment:</u> Stand previously set up but never cut. Old red line may be evident.</p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

18	41019018-Cut	32.8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark trees to cut to a residual BA of 60 sqft.</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> mix of current spp.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut down to 60 BA because of difficulty returning to this stand and to open crown to ensure a good flush of regen.</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>											

19	41019019-Cut	23.4	6113 - Lowland Maple	Sawtimber Well	50	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except oak, hemlock and cedar. Also leave X-log size white pine. Put retention where appropriate, possibly the southwest corner.</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> Mix of current spp.</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>											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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28	41019028-Cut	40.1	42110 - Planted Red Pine	Poletimber Well	57	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut every third row of Red Pine and cut all Jack Pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Rows may be hard to follow.

Comment:

Site Condition Engineered Bridge Needed

Proposed Start Date: 10/1 /2021

36	41019036-Cut	83.4	42110 - Planted Red Pine	Poletimber Well	55	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin Red Pine to 120 sqft BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition Engineered Bridge Needed

Proposed Start Date: 10/1 /2021

40	41019040-Cut	22.1	42210 - Natural Red Pine	Sawtimber Well	85	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all trees. No retention patches in preparation for planting.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Red Pine.

Regen:

Other

Comment:

Site Condition Engineered Bridge Needed

Proposed Start Date: 10/1 /2021

57	41019057-Cut	14.2	42110 - Planted Red Pine	Poletimber Well	57	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut every third row and cut all Jack Pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition Engineered Bridge Needed

Proposed Start Date: 10/1 /2021



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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
65 41019065-Cut	63.7	429 - Mixed Upland Conifers	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock if it exists. Leave a few Red and White pine as a seed source. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mix of existing species. <u>Regen:</u> <u>Other</u> Old logging camp located in section 36. Check with SHPO at time of sale set up. <u>Comment:</u> <u>Site Condition</u> Engineered Bridge Needed <u>Proposed Start Date:</u> 10/1 /2021</p>										
75 41019075-Cut	14.8	429 - Mixed Upland Conifers	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock if they exist. Leave retention patch as part of 100 foot river buffer. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mix of existing species. <u>Regen:</u> <u>Other</u> Old logging camp located in section 36. Check with SHPO at time of sale set up. <u>Comment:</u> <u>Site Condition</u> Engineered Bridge Needed <u>Proposed Start Date:</u> 10/1 /2021</p>										

Approved Treatments:

15 41019015-Monitor	117.7	320 - Upland Shrub	Nonstocked	0		Monitoring	Natural Regen (Intermediate)	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> regen <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); Planting, Initial Plant <u>Treatments:</u> <u>Acceptable</u> Jack pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> Engineered Bridge Needed <u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
86 41019086-Monitor	4.4	320 - Upland Shrub	Nonstocked	0		Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> regen</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Planting, Initial Plant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</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 Acreage Proposed: 581.7

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 19
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available
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Dominant Site Conditions

2C 3J

Total	Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available	Dominant Site Condition	2C	3J
210	0	210	0	0	Aspen	210	
3	3	0	0	0	Bog		
281	7	271	3	3	Jack Pine	271	3
4	0	4	0	0	Low-Density Trees	4	
236	0	236	0	0	Lowland Aspen/Balsam Poplar	236	
122	0	0	122	122	Lowland Conifers		122
59	0	59	0	0	Lowland Deciduous	59	
132	0	72	60	60	Lowland Mixed Forest	72	60
35	20	16	0	0	Lowland Shrub	16	
24	0	24	0	0	Lowland Spruce/Fir	24	
50	0	50	0	0	Natural Mixed Pines	50	
292	0	290	2	2	Northern Hardwood	290	2
191	0	191	0	0	Red Pine	191	
116	0	79	38	38	Upland Conifers	79	38
170	0	159	11	11	Upland Mixed Forest	159	11
127	0	127	0	0	Upland Shrub	127	
62	0	62	0	0	Upland Spruce/Fir	62	
21	21	0	0	0	Water		
230	0	230	0	0	White Pine	230	
2,364	50	2,077	236	236	Total Forested Acres	2,077	236
	2%	88%	10%		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	Dominant Site 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)	32	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

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Thomas Burnis : Examiner

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Year of Entry: 2022

2	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	23	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Year of Entry: 2022

14	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	83	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	64	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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19	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	159	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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24	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	171	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
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Compartment: 19
Year of Entry: 2022

29	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	106	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 19
Year of Entry: 2022

34	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	122	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
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Compartment: 19
Year of Entry: 2022

39	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Thomas Burnis : Examiner

Compartment: 19
 Year of Entry: 2022

44	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 19
Year of Entry: 2022

49	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 19
Year of Entry: 2022

54	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	115	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	117	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Thomas Burnis : Examiner

Compartment: 19
 Year of Entry: 2022

59	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Thomas Burnis : Examiner

Compartment: 19
Year of Entry: 2022

64	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	13	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
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	42290 - Natural Mixed Pine	Poletimber Well	6.1	32	51-80	N/A	This stand is a mix of species filling in an open area.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Sapling/Pole	4		White Pine	Medium	5 - 10 feet	Sapling
Black Spruce	15	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	25	Log/Pole	13		Black Spruce	Medium	5 - 10 feet	Sapling
Red Pine	20	Pole/Log	9					
Jack Pine	35	Pole/Sapling	6	32				

2	4319 - Mixed Upland Forest	Poletimber Medium	11.3	86	51-80	N/A	Buffer to River.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	11		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	30	Log/Pole/XLog	10	86	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole/Sap/Log	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole/Log/Sap	7					
White Pine	20	Log/Pole	10					
Red Pine	10	Log/Pole	12					

3	42120 - Planted Jack Pine	Sapling Well	13.8	21	Immature	N/A	19 Creek Pine cut in 1999
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Balsam Fir	5	Sapling	3	
Black Spruce	10	Sapling	2	
White Pine	5	Log/Pole	12	
Red Pine	10	Log/Pole	13	
Jack Pine	65	Sapling	3	21

4	4119 - Mixed Northern Hardwoods	Sawtimber Well	49.8	67	51-80	N/A	This stand cut in the winter of 2010 by Spencer FP In sale # 410330201. This stand was cut using a selection system. All spruce and balsam fir where cut and all hemlock was left in the sale.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
Red Maple	45	Log/Pole	10	67	Beech	High	10 - 20 feet	Sapling
Yellow Birch	10	Pole/Log	8		Balsam Fir	High	10 - 20 feet	Sapling
Beech	5	Pole/Log	8		White Pine	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole/Log	8					
White Pine	3	Log/Pole	10					
Black Cherry	5	Pole/Log	8					
Hemlock	5	Log	14					
Northern White Cedar	2	Pole	6					

2/26/20 TB: Hemlock planted in stand as per FTP W41-1476. Could not tell success of this planting at inventory time due to deep snow, however, hardwood regen is thick in the understory.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5 6132 - Mixed Lowland Forest with Cedar Poletimber Well 14.8 77 N/A Lowland drains separating the hardwood stands in this area.

Canopy Species	% Cover	Size Class	DBH	Age
American Elm	3	Sapling/Pole	5	
Red Maple	30	Pole	6	77
Yellow Birch	2	Pole	7	
Paper Birch	10	Pole/Log	6	
Balsam Fir	20	Pole	7	
Black Spruce	3	Pole/Sapling	6	
Northern White Cedar	30	Pole	6	
Hemlock	2	Pole/Sapling	6	

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

6 42340 - Upland Spruce/Fir Sapling Well 5.9 35 Unspecified N/A Part of "South Creighton Road Block" unit 3, cut in 1985.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Sapling	3	35
Balsam Fir	30	Sapling	3	
White Spruce	30	Sapling	3	
White Pine	10	Sapling/Pole	4	

7 42120 - Planted Jack Pine Sapling Well 46.2 21 Immature N/A 19 Creek Pine planted in 1999.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	
Balsam Fir	5	Sapling	3	
Black Spruce	10	Sapling	2	
White Pine	5	Log/Pole	12	
Red Pine	10	Log/Pole	11	
Jack Pine	65	Sapling	3	21

8 4319 - Mixed Upland Forest Sapling Well 16.5 16 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	
Quaking Aspen	30	Sapling	3	16
Balsam Fir	10	Sapling	3	
Black Spruce	5	Sapling	1	
White Pine	20	Pole/Sap/Log	6	
Red Pine	2	Log	12	
Jack Pine	10	Sapling/Pole	2	
Black Cherry	3	Sapling	3	
White Spruce	10	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	6122 - Black Spruce	Poletimber Well	24.3	95		N/A	This stand was part of "Squatch's Softwood." Sale was turned back in and never cut but was incorrectly updated to show treatment complete. TCR date of 8/28/18.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	80	Pole	5	95
Red Maple	5	Pole	6	
Paper Birch	5	Pole	6	
White Pine	10	Log	14	

10	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	14.1	15	Immature	N/A	Unit 3 of 16-19 L.Y.P. sale cut in 2005.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	45	Sapling	2	15
Paper Birch	10	Sapling	2	
Red Pine	5	Log/XLog	16	
Black Cherry	10	Sapling	2	
Quaking Aspen	25	Sapling	2	
White Pine	5	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	Low	< 5 feet	Sapling

11	6112 - Lowland Aspen	Poletimber Medium	48.3	50		N/A	Drainages.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	45	Pole	5	50
Black Spruce	30	Pole	5	
Red Maple	10	Pole	5	
Paper Birch	5	Pole	5	
Balsam Fir	5	Pole	5	
Northern White Cedar	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub

12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	160.1	83	51-80	N/A	This stand cut in the winter of 2010 by Spencer FP In sale # 410330201. This stand was cut using a selection system. All spruce and balsam fir where cut and all hemlock was left in the sale. 2/26/20 TB: Hemlock planted in stand as per FTP W41-1476. Could not tell success of this planting at inventory time due to deep snow, however, hardwood regen is thick in the understory.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Log/Pole	12	83
Sugar Maple	30	Log/Pole	12	
Red Pine	2	Log	14	
White Pine	10	XLog/Log	20	
Black Cherry	15	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	High	10 - 20 feet	Sapling
Red Maple	High	10 - 20 feet	Sapling
Beech	High	10 - 20 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 42220 - Natural Jack Pine Sapling Well 10.8 21 Immature N/A 19 Creek Pine cut in 1999

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Sapling	3	
Balsam Fir	5	Sapling	3	
Black Spruce	15	Sapling	3	
White Pine	5	Sapling	3	
Red Pine	5	Log/Pole	10	
Jack Pine	65	Sapling/Pole	3	21

14 42200 - Natural White Pine Sawtimber Well 113.5 85 1-50 N/A

West Branch Sale cut in 1998. Open areas in the canopy are filling in with aspen and red maple which are not yet merchantable. White Pine are also coming in but need to grow taller before being released.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	70	Log/Pole/XLog	14	85	Red Maple	High	10 - 20 feet	Sapling
Red Pine	20	Log	14		Quaking Aspen	High	10 - 20 feet	Pole
Jack Pine	10	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
					Black Spruce	Low	< 5 feet	Sapling
					White Pine	Medium	5 - 10 feet	Sapling

15 320 - Upland Shrub Nonstocked 122.4 0 No unis 2-5 backside pine TS: 41-004-12. Cut 2017

16 42260 - Natural Pine, Mixed Deciduous Poletimber Well 43.5 35 1-50 N/A

Sale no. 037-84 cut in 1985. Jp appears To be planted. (No planting record) Areas of Large RP residue.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	Log	14		Black Cherry	Low	5 - 10 feet	Sapling
Jack Pine	50	Pole	5	35	White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	40	Pole	5					

17 4116 - Mixed N. Hardwood - Aspen Poletimber Well 12.2 60 1-50 N/A Cut in 1983 by Seney Refuge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	35	Pole/Log	9	60	Sugar Maple	Low	< 5 feet	Sapling
Red Maple	20	Pole/Sap/Log	8		Red Maple	Low	Variable	Sapling
Yellow Birch	2	Log/Pole	10					
Quaking Aspen	25	Sapling/Pole	4	36				
Balsam Fir	10	Sapling	4					
White Pine	3	Pole/Log/Sap	8					
Black Cherry	5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 4112 - Maple, Beech, Cherry Association Sawtimber Well 32.8 90 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log	14	90	Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	30	Log	14	90	Balsam Fir	Medium	10 - 20 feet	Sapling
Black Cherry	10	Log/Pole	12		Beech	Low	10 - 20 feet	Sapling
					Black Cherry	Low	10 - 20 feet	Sapling

19 6113 - Lowland Maple Sawtimber Well 23.4 50 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Log/Pole	12	50	Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	10	Pole	9		Balsam Fir	Medium	10 - 20 feet	Sapling
Paper Birch	5	Pole	5		White Pine	Medium	10 - 20 feet	Sapling
White Pine	20	XLog	24					
American Elm	5	Pole	5					

20 42221 - Natural Jack Pine, Mixed Deciduous Sapling Medium 6.8 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	60	Sapling	1	5
Bigtooth Aspen	35	Sapling	1	

41-021-15 Paddle Boatin Jack'n Aspen
TCR: 11/12/15
FTP: C41-1534
Scarified by Holli: 7/15/16 unit 2. Passed natural regen check Fall 2019.
Stand had JP and Aspen.

21 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 81.4 60 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole/Log	8					
Balsam Fir	25	Pole/Log	8	60				
Black Spruce	15	Pole	8					
Northern White Cedar	10	Pole/Sap/Log	8					
Red Pine	10	Log	12					
Jack Pine	10	Pole	8					

Riparian area along the river. A lot of tag alder with a mix of tree species present in varying amounts.

22 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 63.2 92 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	10		Balsam Fir	Low	< 5 feet	Sapling
Red Maple	10	Log/Pole	10		Hemlock	Low	< 5 feet	Sapling
Yellow Birch	5	Pole/Log	8		Sugar Maple	High	10 - 20 feet	Sapling
Balsam Fir	5	Pole	5		Red Maple	High	10 - 20 feet	Sapling
White Pine	60	XLog/Log	22	92	Beech	Medium	10 - 20 feet	Sapling

This stand cut in the winter of 2010 by Spencer FP In sale # 410330201. This stand was cut using a selection system. All spruce and balsam fir was cut and all hemlock was left in the sale.

2/26/20 TB: Hemlock planted in stand as per FTP W41-1476. Could not tell success of this planting at inventory time due to deep snow, however, hardwood regen is thick in the understory.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
23	6112 - Lowland Aspen	Poletimber Well	16.1	37	1-50	N/A																																						
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24	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	21.5	10	Immature	N/A	Clearcut in 2010 2/26/20 TB: Hemlock planted in stand as per FTP W41-1476. Could not tell success of this planting at inventory time due to deep snow, however, hardwood regen is thick.																																					
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25	622 - Lowland Shrub	Nonstocked	6.9			No																																						
27	4133 - Aspen, Mixed Pine	Sapling Well	81.0	22	Immature	N/A	West Branch Sale Cut in 1998.																																					
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28	42110 - Planted Red Pine	Poletimber Well	40.2	57	171-200	N/A	Planted with RP in 1963. Replanted with JP in 1971 but majority of stand is RP.																																					
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Balsam Fir	Low	5 - 10 feet	Sapling																																									
30	622 - Lowland Shrub	Nonstocked	12.7		Immature	No																																						
32	6225 - Bog	Nonstocked	2.5			No																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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33	4130 - Aspen	Sapling Well	20.2	35	Unspecified	N/A	Part of "South Creighton Road Block" unit 3 cut in 1985.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	4	
Paper Birch	10	Sapling	3	
Quaking Aspen	66	Sapling/Pole	3	35
Balsam Fir	12	Sapling/Pole	3	
Northern White Cedar	2	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling

34	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	33.6	80	1-50	N/A	Lowland drains separating the hardwood stands in this area.
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Canopy Species	% Cover	Size Class	DBH	Age
American Elm	15	Sapling/Pole	4	
Red Maple	25	Pole/Sapling	5	80
Paper Birch	10	Sapling/Pole	4	
Balsam Fir	15	Sapling/Pole	4	
Black Spruce	10	Sapling/Pole	4	
Northern White Cedar	20	Pole/Sapling	5	
Black Ash	5	Sapling/Pole	1	

Sub-Canopy Species	Density	Avg. Height	Size
American Elm	Low	< 5 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling

35	6112 - Lowland Aspen	Sapling Well	171.3	21	Immature	N/A	19 Creek G1 sale cut in 1999.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	7	Sapling	3	
Quaking Aspen	55	Sapling	3	21
Balsam Poplar	5	Sapling	3	
Balsam Fir	10	Sapling	3	
Black Spruce	10	Sapling	3	
Northern White Cedar	10	Pole	5	
Black Ash	3	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub

36	42110 - Planted Red Pine	Poletimber Well	83.4	55	141-170	N/A	West Branch RP Rows Thinned in 2004.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Pole	9	55

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling

39	4130 - Aspen	Sapling Well	2.8	16	Immature	N/A	Unit 1 of South Creighton Aspen cut in 2004.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	
Quaking Aspen	70	Sapling	2	16
White Spruce	10	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
40	42210 - Natural Red Pine	Sawtimber Well	22.1	85	81-110	N/A	16-19 LYP sale thinned in 2005
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		30	Log/Pole/XLog	16	85	Red Maple	
Red Pine		70	Log	14	85	Quaking Aspen	
						Balsam Fir	
						Black Spruce	
						Density	
						Avg. Height	
						Size	
						Low	
						5 - 10 feet	
						Sapling	
						Low	
						5 - 10 feet	
						Pole	
						Low	
						< 5 feet	
						Sapling	
						Low	
						< 5 feet	
						Sapling	
41	4130 - Aspen	Sapling Medium	9.0	5	Immature	N/A	Part of unit 2 Frontside Aspen and Spruce cut in 2015. Passed regen check fall 2019. Stand has lots of aspen and cherry along with Jack pine. Black spruce starting to grow in.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		70	Sapling	1	5		
Black Cherry		20	Sapling	1			
Jack Pine		5	Sapling	1			
Black Spruce		5	Sapling	1			
42	4113 - R.Maple, Conifer	Poletimber Well	18.5	67	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		60	Pole/Log	8	67	Balsam Fir	
Yellow Birch		10	Pole/Log	8		White Spruce	
White Spruce		10	Pole/Log	8		Beech	
Black Cherry		5	Pole/Log	8		Red Maple	
Balsam Fir		5	Pole	6			
White Pine		5	XLog	22			
Paper Birch		5	Pole/Log	8			
						Density	
						Avg. Height	
						Size	
						High	
						10 - 20 feet	
						Sapling	
						Medium	
						10 - 20 feet	
						Sapling	
						Medium	
						10 - 20 feet	
						Sapling	
						High	
						10 - 20 feet	
						Sapling	
45	4319 - Mixed Upland Forest	Poletimber Well	115.4	36	1-50	N/A	Stand was cut through between 1983-1986 but never had any TSI work done resulting in a Mix of pine, spruce, aspen of variable size.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole	6		White Pine	
Quaking Aspen		35	Sapling/Pole	4	36	Balsam Fir	
Balsam Fir		10	Pole/Sapling	5			
White Spruce		20	Sapling	3			
White Pine		10	Pole	6			
Red Pine		5	Log/Pole	12			
Jack Pine		5	Pole/Sapling	5			
Black Cherry		5	Pole	5			
						Density	
						Avg. Height	
						Size	
						Medium	
						Variable	
						Sapling	
						Medium	
						5 - 10 feet	
						Sapling	
46	622 - Lowland Shrub	Nonstocked	7.0			No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48	42120 - Planted Jack Pine	Poletimber Well	64.9	49		N/A	This area was originally planted to RP in 1963, then replanted to JP in 1971.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5	Pole	8		Black Cherry		Low	5 - 10 feet	Sapling
Red Pine		25	Pole	6	57	Balsam Fir		Low	5 - 10 feet	Sapling
Jack Pine		70	Pole	6	49	White Pine		Low	5 - 10 feet	Sapling

49	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	9.5	75		N/A	This is the riparian area for the river.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Pole	5		Tag Alder		Full	5 - 10 feet	Tall Shrub
Paper Birch		10	Pole/Log	6		Elderberry		Medium	< 5 feet	Tall Shrub
Balsam Fir		20	Pole/Log/Sap	7						
Black Spruce		20	Pole/Log	8	75					
Northern White Cedar		10	Pole/Sap/Log	8						
White Pine		10	Pole/Log	9						
Red Pine		10	Pole/Log	8						
Jack Pine		10	Pole/Log	9						

50	6139 - Mixed Lowland Forest	Poletimber Well	14.3	37	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		50	Pole	5	37	Red Maple		Low	Variable	Sapling
White Spruce		8	Sapling/Pole	4		Balsam Fir		Low	Variable	Tall Shrub
Black Spruce		2	Sapling/Pole	4		White Spruce		Low	Variable	Sapling
White Pine		10	Pole/Log/Sap	5		White Pine		Low	Variable	Sapling
Red Pine		10	Log/Pole	10		Alder		Low	5 - 10 feet	Tall Shrub
Jack Pine		15	Pole	6						
Red Maple		5	Sapling	3						

53	42320 - Upland Spruce	Sapling Medium	13.6	23	Immature	N/A	Narrow Ridge.Part of 19 Creek G1 sale. Previously a black spruce stand. Cut in 1999			
Canopy Species		% Cover	Size Class	DBH	Age					
Black Spruce		70	Sapling	2	23					
Balsam Fir		10	Sapling	3						
Quaking Aspen		5	Sapling	3						
Paper Birch		5	Sapling	3						
Red Oak		2	Sapling	3						
Red Maple		3	Sapling	3						
Jack Pine		5	Sapling	3						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Well 26.4 86 81-110 N/A 2/26/20 TB: Could not get into stand. Edge call made based on previous inventory data and visual looking across marsh.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Log/Pole	10	
Red Maple	24	Log/Pole	10	86
Yellow Birch	7	Log/Pole	10	
Beech	2	Log	10	
Paper Birch	9	Log/Pole	10	
Balsam Fir	14	Pole/Log	5	
Black Spruce	11	Log/Pole	10	
Northern White Cedar	10	Pole/Log/Sap	4	
White Pine	4	Log/Pole	12	
Hemlock	4	Pole/Log/Sap	3	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	5 - 10 feet	Sapling
Beech	Low	5 - 10 feet	Sapling
Black Spruce	Low	5 - 10 feet	Sapling

55 4130 - Aspen Sapling Well 8.0 15 Immature N/A Units 1 of South Creighton Aspen cut in 2004.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
Bigtooth Aspen	70	Sapling	2	15
White Pine	5	Pole	5	
Black Cherry	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	Sapling
White Pine	Low	< 5 feet	Sapling

57 42110 - Planted Red Pine Poletimber Well 14.2 57 171-200 N/A RP planted in 1963.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/Pole	13	
Red Pine	70	Pole	8	57
Jack Pine	25	Pole	8	

58 4112 - Maple, Beech, Cherry Association Poletimber Well 12.8 82 81-110 N/A Unit 2 of South Creighton Aspen, thinned in 2004. Almost pure RM, No quality To The Logs.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	70	Pole/Log	9	82
Yellow Birch	3	Log/Pole	12	
Hemlock	2	Log/Pole	12	
Black Cherry	25	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	< 5 feet	Sapling
Beech	Medium	< 5 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling

60 42220 - Natural Jack Pine Sapling Well 106.4 21 Immature N/A 19 Creek G1 Sale cut in 1999

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	
Quaking Aspen	10	Sapling	2	
Balsam Fir	5	Sapling	2	
Black Spruce	5	Sapling	2	
Jack Pine	75	Sapling	2	21



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
63	4132 - Aspen, Jack Pine	Sapling Medium	51.1	32	Immature	N/A	Open Land Filling in with scrubby pine and Asp. Patches of pole size JP and WSP Mixed in with This STand.																																																															
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65	429 - Mixed Upland Conifers	Poletimber Well	63.7	46	81-110	N/A	JP mature mix of age and size with spp.																																																															
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White Pine	5	Log/Pole	12																																																																			
Black Spruce	25	Pole	5																																																																			
66	622 - Lowland Shrub	Nonstocked	8.9				No																																																															
69	42120 - Planted Jack Pine	Sapling Well	3.9	21	Immature	N/A																																																																
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Balsam Fir	5	Sapling	3	21																																																																		
Jack Pine	90	Sapling	3	21																																																																		
70	4116 - Mixed N. Hardwood - Aspen	Sapling Well	5.8	16	Immature	N/A	Unit 4 of South Creighton Aspen cut in 2004																																																															
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Black Cherry	60	Sapling	1	16	Alder	Low	5 - 10 feet	Tall Shrub																																																														
Quaking Aspen	20	Sapling	1																																																																			
Red Maple	15	Sapling	1																																																																			
Balsam Fir	5	Sapling	1																																																																			
71	3301 - Low Density Deciduous Trees	Nonstocked	4.0		Immature		No																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74 6139 - Mixed Lowland Forest Poletimber Well 31.2 43 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Pole	5	43	Red Maple	Low	< 5 feet	Sapling
Balsam Fir	7	Pole	6		White Spruce	Low	< 5 feet	Sapling
White Spruce	25	Pole	6		White Pine	Low	< 5 feet	Sapling
White Pine	5	Pole	6		Black Cherry	Low	< 5 feet	Sapling
Red Pine	3	Pole	7		Alder	Low	5 - 10 feet	Tall Shrub
Jack Pine	10	Pole	7					

75 429 - Mixed Upland Conifers Poletimber Well 16.9 60 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
Quaking Aspen	5	Pole/Sapling	6	
Balsam Fir	5	Pole/Sapling	5	
Black Spruce	30	Pole/Sapling	5	
White Pine	5	Pole/Log	9	
Red Pine	5	Pole/Log	9	
Jack Pine	40	Pole/Log/Sap	8	60
Black Cherry	5	Sapling/Pole	2	

76 42210 - Natural Red Pine Sawtimber Well 30.7 80 81-110 N/A Unit 6 of Backside Pine cut in 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	35	Log/XLog	14		Balsam Fir	Low	Variable	Sapling
Red Pine	65	Log/XLog	14	80	White Pine	Low	Variable	Sapling
					Red Maple	Low	5 - 10 feet	Sapling
					Quaking Aspen	Low	10 - 20 feet	Sapling

77 42221 - Natural Jack Pine, Mixed Sapling Medium 15.0 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	60	Sapling	1	5
Bigtooth Aspen	35	Sapling	1	

TS; 410211201 Paddle Boating Jack'n Aspen
TCR: 11/12/15
FTP: C41-1534
Scarified by Holli: 7/15/16, unit 2. Jack pine and aspen stand passed 2019 regen check.

78 42200 - Natural White Pine Sapling Poor 52.8 14 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Sapling	3	
Balsam Fir	3	Sapling	3	
White Spruce	5	Sapling	3	
White Pine	72	Sapling/Pole	3	14
Black Cherry	5	Sapling	3	
Jack Pine	10	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79	42120 - Planted Jack Pine	Sapling Well	9.9	14	Immature	N/A	Unit 2 of Two Buck Pine. This area was planted with no trenches, regen survey showed natural regen was filling in the stand so stand will not need any more cult work.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	95	Sapling	1	14
Red Pine	5	Log	14	

80	42340 - Upland Spruce/Fir	Poletimber Well	42.0	36		N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole/Sapling	5	36
Balsam Fir	50	Pole/Sapling	5	36
White Pine	5	Log/Pole	10	
Red Pine	5	Pole/Log	8	
Jack Pine	10	Pole/Sap/Log	6	
White Spruce	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	< 5 feet	Sapling

81	42120 - Planted Jack Pine	Poletimber Well	3.0	58		N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/Pole	10	
Red Pine	5	Log/Pole	10	
Jack Pine	90	Pole/Log	8	58

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
White Spruce	Low	5 - 10 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
Black Cherry	Medium	< 5 feet	Sapling

82	4130 - Aspen	Sapling Well	4.5	16	Immature	N/A	Unit 4 of South Creighton Aspen cut in 2004.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	2	
Red Maple	4	Sapling	2	
Quaking Aspen	65	Sapling	2	16
Bigtooth Aspen	12	Sapling	2	
Balsam Fir	5	Sapling/Pole	4	
Black Cherry	4	Sapling	2	
White Pine	5	XLog/Log	22	

83	4133 - Aspen, Mixed Pine	Sapling Medium	20.9	5	Immature	N/A	41-021-12-01 Paddle Boatin Jack'n Aspen TCR: 11/12/15 FTP: C41-1534 Passed regen check 2019.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	75	Sapling	1	5
White Pine	20	Sapling	2	
Red Pine	5	Pole/Log	9	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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84	4134 - Aspen, Spruce/Fir	Sapling Well	12.9	36	Unspecified	N/A	Cut in 1983 by Seney Refuge.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Pole/Log	9		Sugar Maple	Low	< 5 feet	Sapling
Red Maple	15	Pole/Sap/Log	8		Red Maple	Low	Variable	Sapling
Yellow Birch	2	Log/Pole	10					
Beech	2	Log/Pole/XLog	10					
Quaking Aspen	50	Sapling/Pole	4	36				
Balsam Fir	16	Sapling/Pole	4					
Black Spruce	5	Sapling	3					
White Pine	5	Pole/Log/Sap	8					
Black Cherry	3	Sapling	3					

85	4311 - Pine, Aspen Mix	Sapling Well	26.8	16	1-50	N/A	Unit 3 South Creighton Aspen cut in 2004.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Quaking Aspen	30	Sapling	2	16
Bigtooth Aspen	7	Sapling	2	
Balsam Fir	5	Sapling	2	
Black Spruce	2	Sapling	2	
White Pine	20	Pole/Sap/Log	6	
Red Pine	3	Log	12	
Jack Pine	20	Sapling/Pole	2	
Black Cherry	3	Sapling	2	

86	320 - Upland Shrub	Nonstocked	4.4	0		No	Unit 1 of Backside Pine TS:41-004-12-01 cut in 2017
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87	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	11.9	86	1-50	N/A	Buffer to River
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	11		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	30	Pole	8	86				
Balsam Fir	15	Pole	5					
Black Spruce	5	Pole	7					
White Pine	20	Log/Pole	10					
Red Pine	10	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 429 - Mixed Upland Conifers Sawtimber Well 35.8 60 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log	14		Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	5	Log	14		White Pine	Low	5 - 10 feet	Sapling
Balsam Fir	50	Pole	7	60				
White Pine	30	XLog/Log	22	92				
White Spruce	5	Log/Pole	12					
Paper Birch	5	Log/Pole	10					

95 500 - Water Nonstocked 20.8 0 No West Branch Manistique River.

103 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 31.1 60 Unspecified N/A Riparian area along the river. A lot of tag alder with a mix of tree species present in varying amounts.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole/Log	8					
Balsam Fir	25	Pole	8	60				
Black Spruce	15	Pole	8					
Northern White Cedar	10	Pole/Sap/Log	8					
Red Pine	10	Pole/Log	9					
Jack Pine	10	Pole/Sap/Log	8					