



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33066

Entry Year 2024

Acreage: 5,430

County Menominee

Management Area: North Menominee Moraines

Stand Examiner: Dan Beaudou

Legal Description:

Menominee County: T41N, R26W, Sections 1,2,3,9,10,11,12,13,14,15 & 16.
T41N, R25W, Section 6.

Marquette County: T42N, R26W, Section 36.
T42N, R25W, Section 31.

Identified Planning Goals:

This compartment is part of the Menominee-Marquette Management Area and is rather unique--most of the area being swamp conifer mixed with upland ridges of northern hardwoods and aspen. This area has offered an opportunity to try a landscape management approach. In 2014, the compartments were merged into Compartment 66 with the idea to schedule all treatments within this previous four compartment area in to one ten-year period. Compartment 65 is adjacent to this compartment and was also aligned with the same year of entry. The area offers a great deal of winter cover for deer and is known as a deer yarding area. Because timber types run across compartment boundaries, and cutting prescriptions for each individual compartment were scheduled at different times, deer were drawn into the area just as regeneration from a previous treatment in an adjacent compartment is taking hold.

During the 2004 inventory process, there was evidence of deer browsing on the regeneration, and in many cases, overbrowsing and killing it. With timing the treatments it appears this strategy is working because more of the regeneration has survived and is being recruited into the stands.

Harvesting in the uplands will be done using a variety of silvicultural treatments. Aspen stands will be clearcut to promote maximum regeneration while providing age class diversity. Selection thinning the hardwoods will create and expand canopy gaps where maple regeneration is occurring. The seed tree and clear-cut methods of harvest will be used in lowland conifer types. A total of 246 acres is scheduled for treatment.

Soil and topography:

Topography is undulating and moderately steep. Major soils series include Lupton, Cathro, Tawas, Sumerville, and

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

Large blocks of corporate land to the west, north, and east with non-industrial private land to south. Land use in this area is mostly multiple use with most of the area being actively managed for timber.

Unique Natural Features:

Skidmore Branch ERA

Archeological, Historical, and Cultural Features:

Historical logging camps were located throughout this area. One site has been recorded within this compartment.

Special Management Designations or Considerations:

Deer Wintering Complex

Watershed and Fisheries Considerations:

This compartment contains the Main Branch Ford River, West Branch Ford River, and Skidmore Creek. The Main Branch Ford River is designated a Type-4 trout stream greater than 50' width with a predicted mean July temperature of 70.7 °F (cool stream). The West Branch Ford River is a non-designated stream less than 50' width with a predicted mean July temperature of 68.2 °F (cool). Skidmore Creek is a non-designated stream less than 50' width with a predicted mean July temperature of 64.4 °F (cold stream). 100' plus 5' per 1% increase in slope; buffers are recommended for the Main Branch Ford River, West Branch Ford River, and Skidmore Creek to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

-Wildlife Division-

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. No active aggregate pits occur in the area. Bedrock is near the surface in places in this area, and there could be some limestone potential. However, the compartment appears to be primarily wetlands, and sand & gravel or limestone development potential appears limited, but there may be some good potential on the upland drumlins. Some exploration for iron ore and kimberlite diamonds occurred in the past in areas not far from here. No known potential exists for metallic or critical minerals beneath the compartment, but little information is known for the subsurface here. There is no current mineral leasing in or around the compartment. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Large corporate holdings and private property provide the access to this compartment. Some access is only during the winter when the roads can be froze down.

Survey Needs:

Potentially 18 survey corners would need to be set.

Recreational Facilities and Opportunities:

No recreational facilities exist within the compartment. A snowmobile trail once traveling through State now skirts the west side through corporate lands due to problems associated with the lowlands. There are opportunities for hunting, trapping, camping, berry picking, fishing and hiking.

Fire Protection:

Accessing remote fires can be a challenge. Forest types present exhibit lower fire risk due to typically wetter conditions.

Additional Compartment Information:

The following reports from the Inventory are attached:

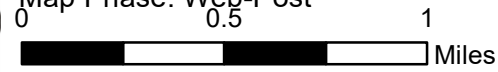
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

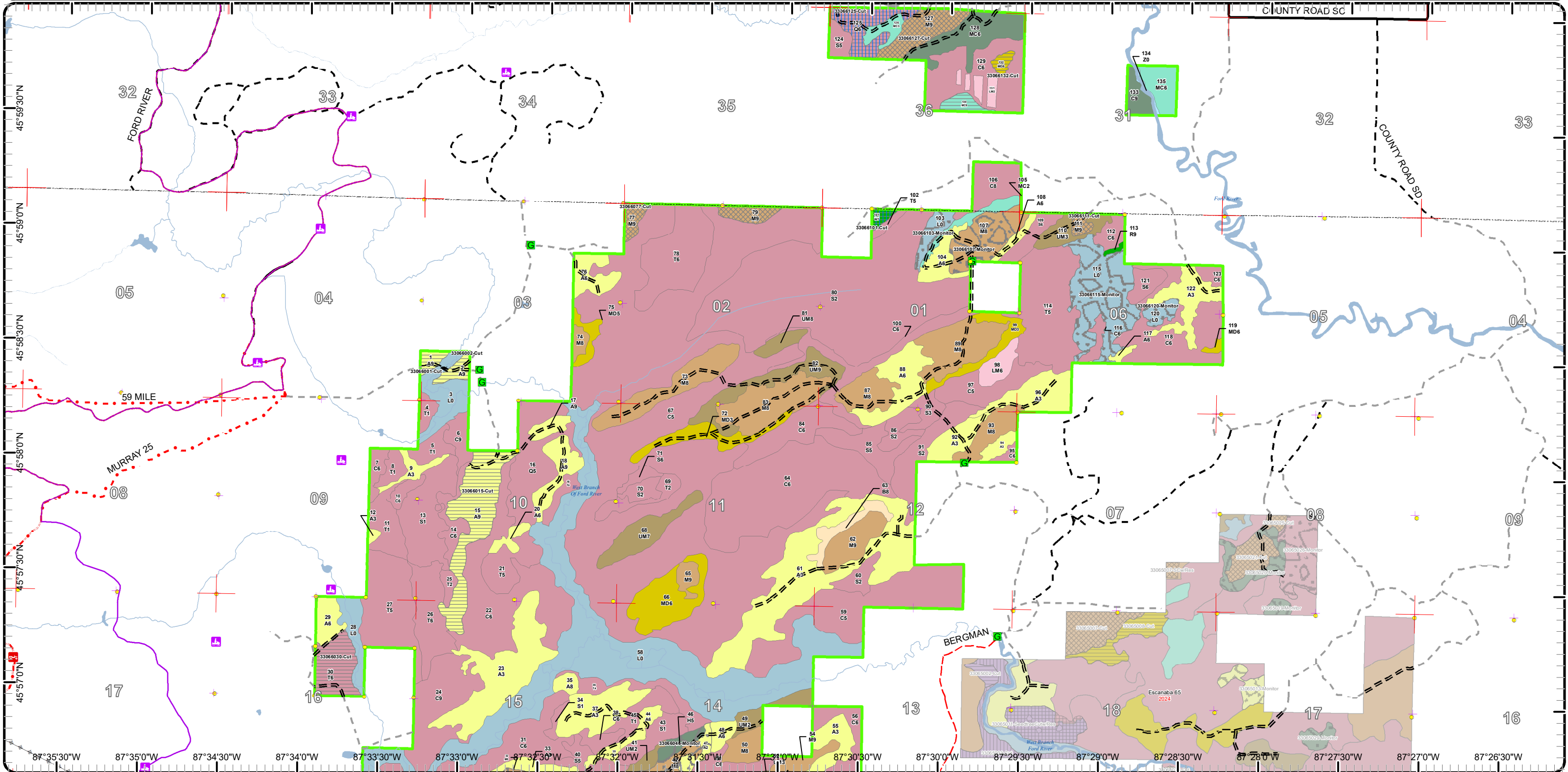
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 66
 T41N-R26W Sec. 1-3,9-16
 County: Menominee
 Unit: Escanaba
 Mgmt Area: North Menominee
 Moraines
 YOE: 2024
 Acres: 5429.9 GIS Calculated
 Examiner: Dan Beaudo
 Map Revised: 6/27/2022
 Map Phase: Web-Post

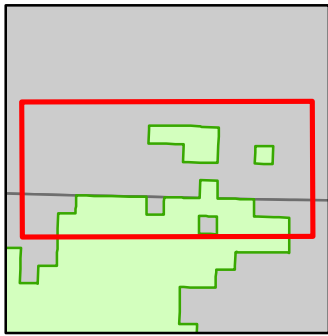
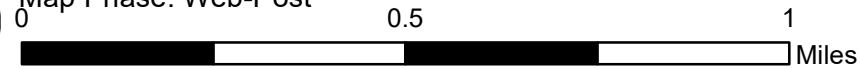


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- Survey Grade Corners
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- Designated ORV Route
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- 🌉 Bridges
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- Lakes and Rivers
- 📏 Compartment Boundary
- 📏 Selection (Group, Single Tree)
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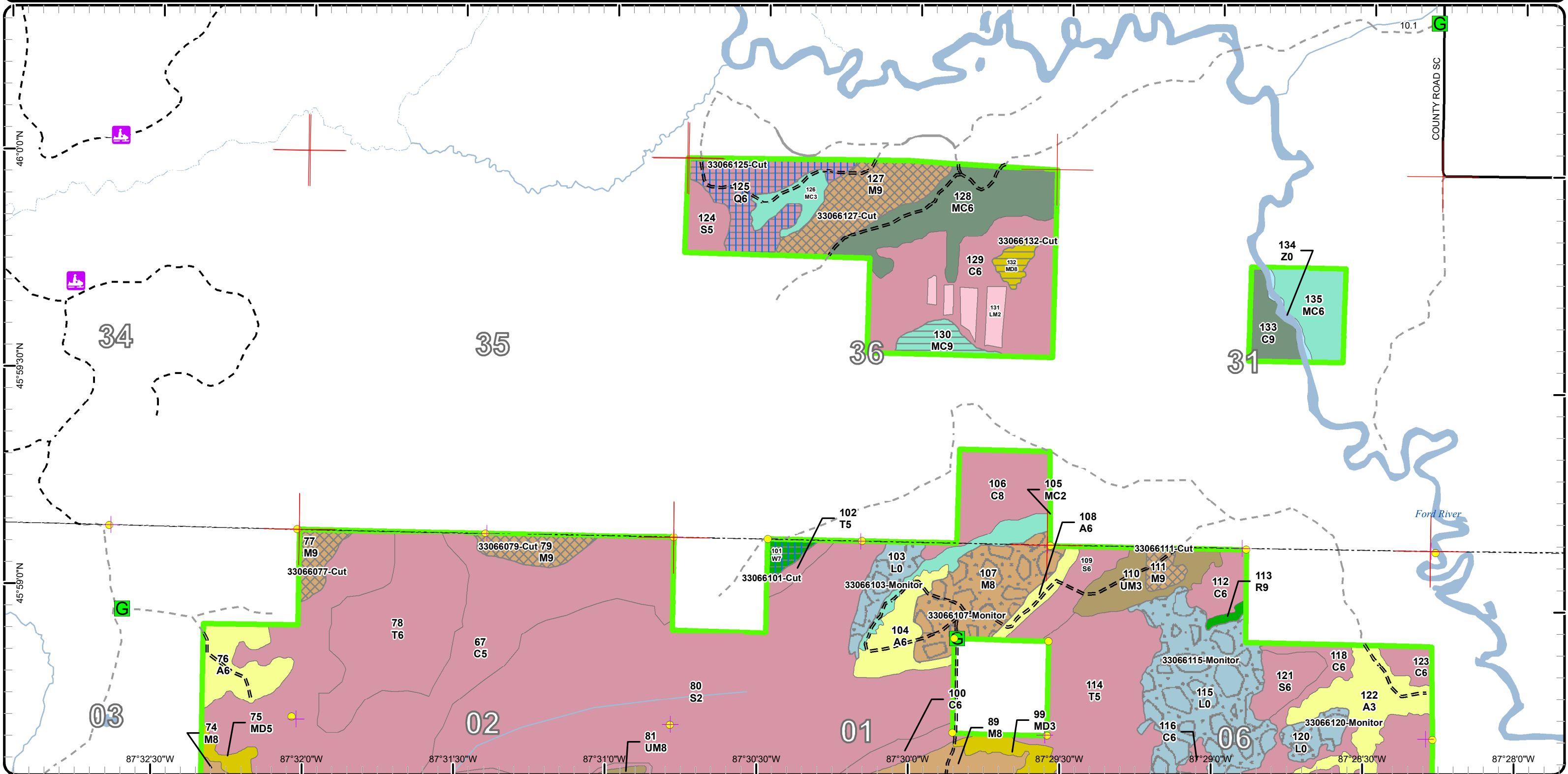


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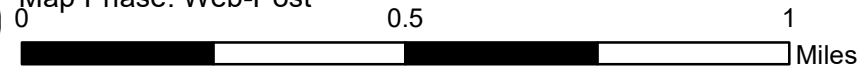


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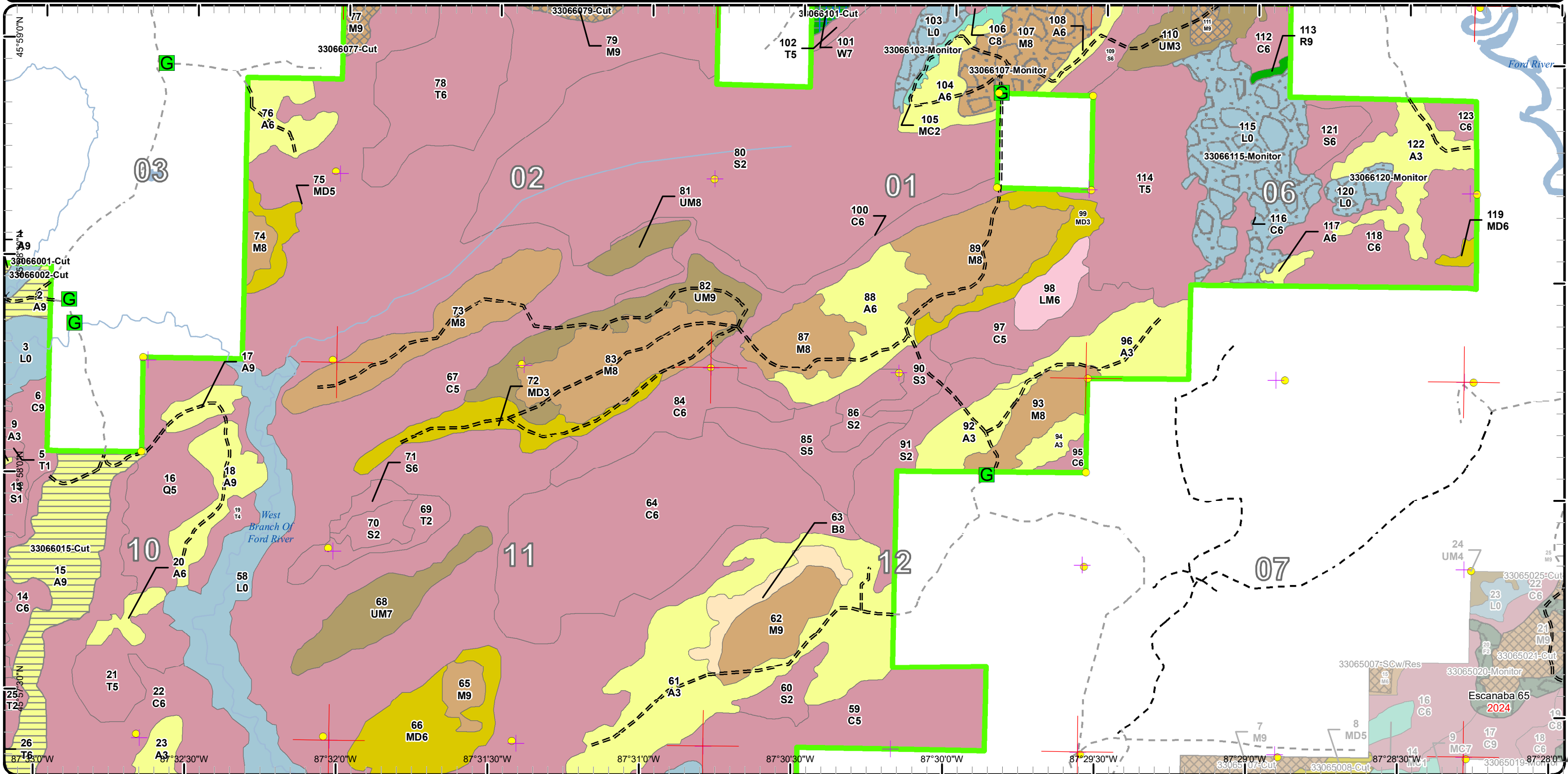


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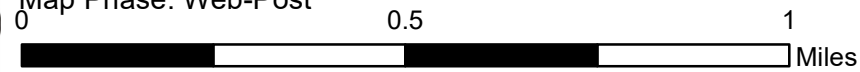


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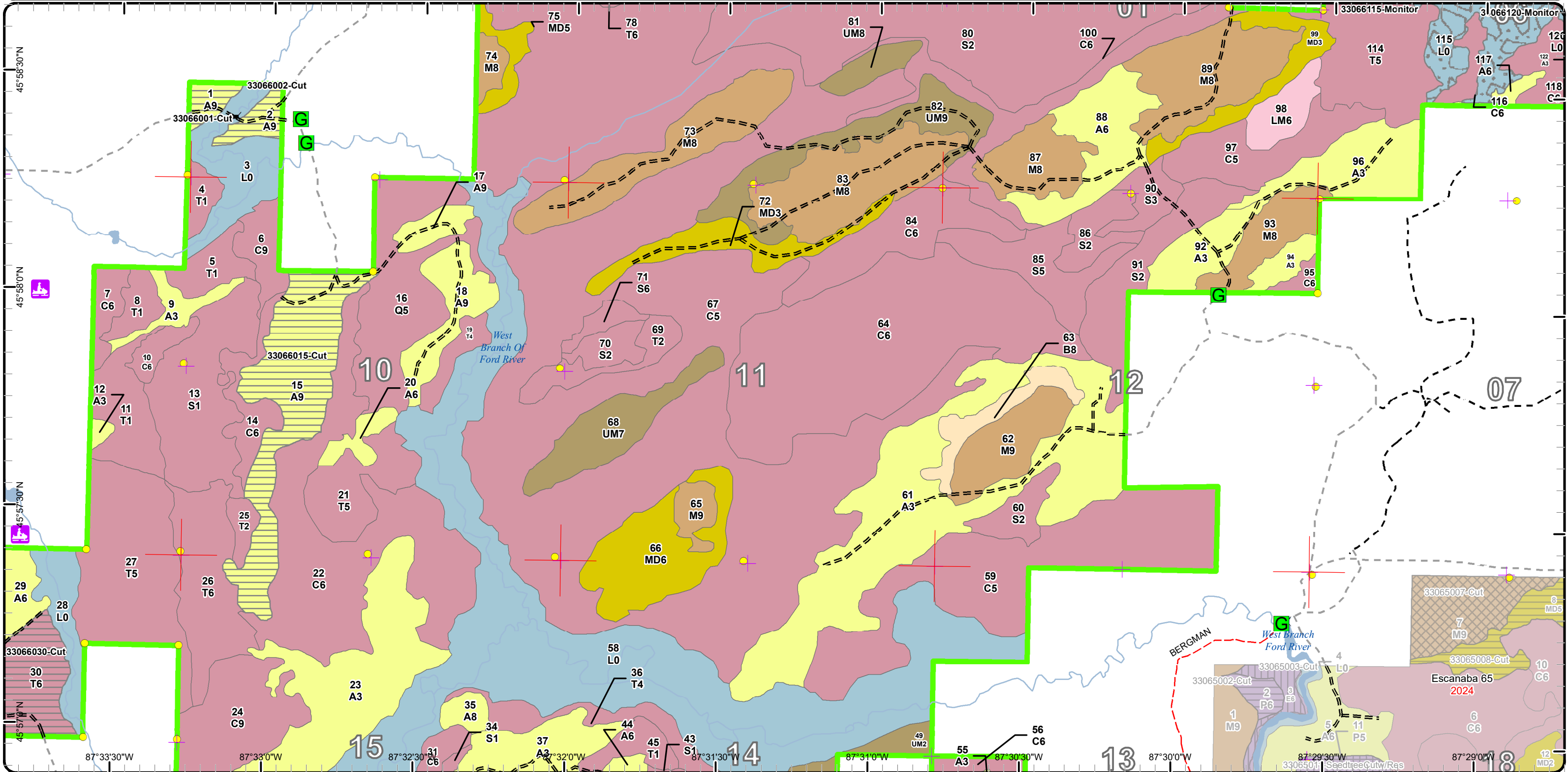


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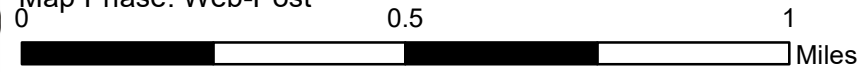


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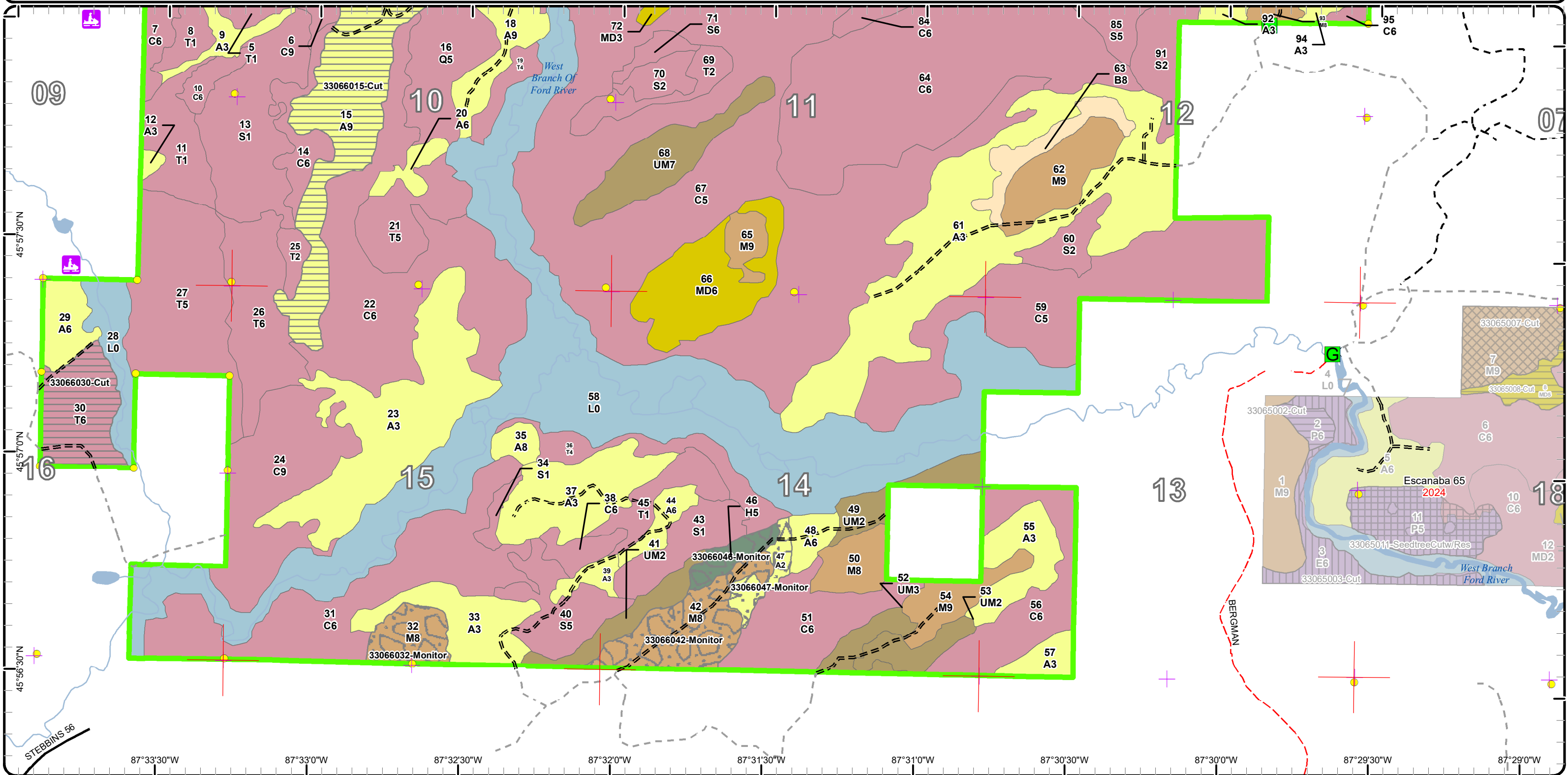


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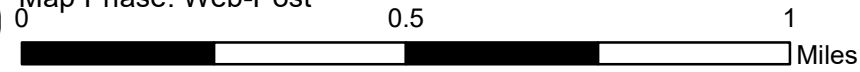
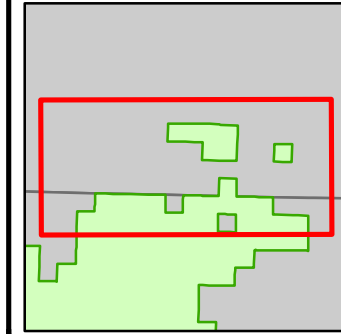
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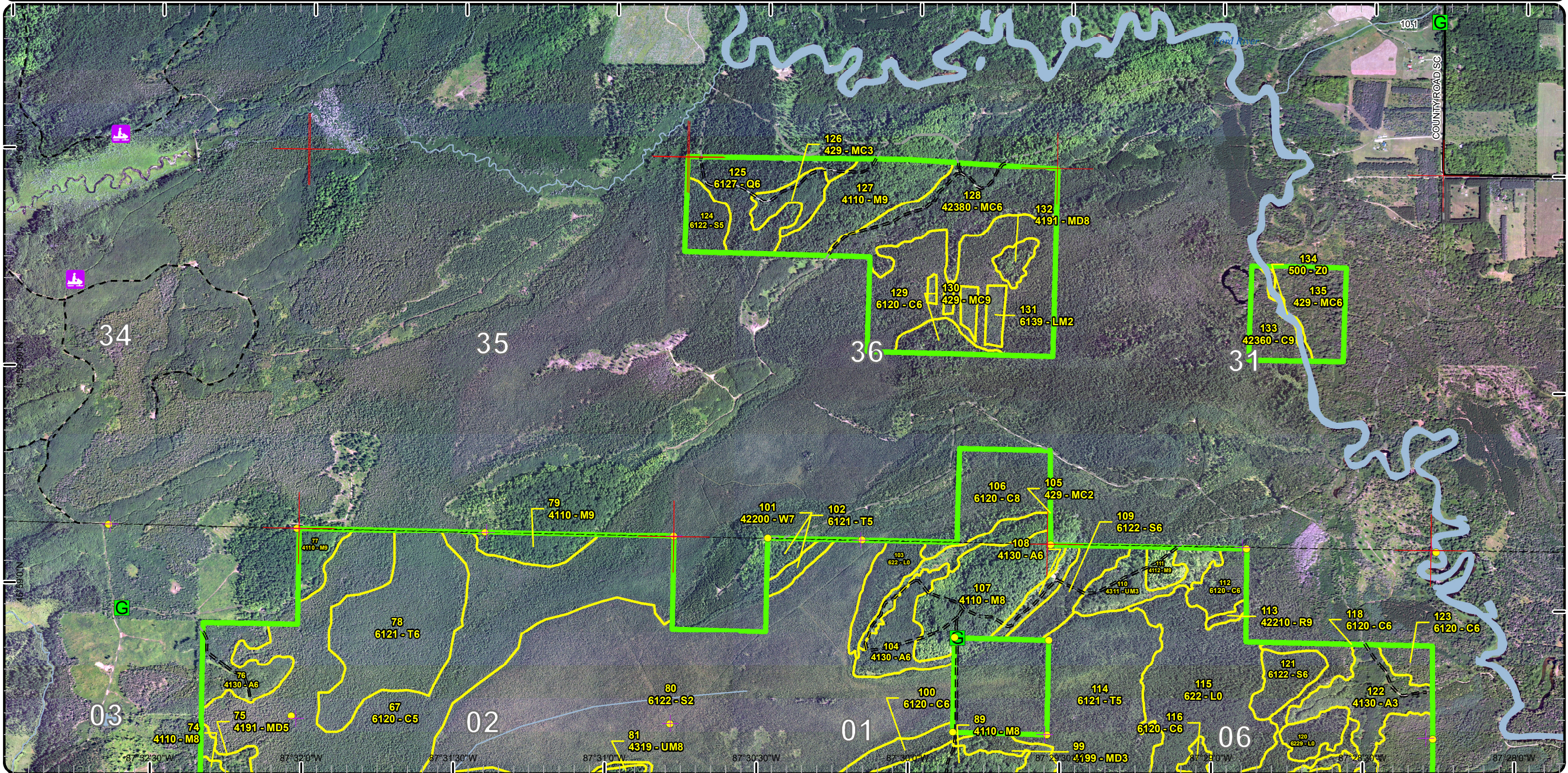
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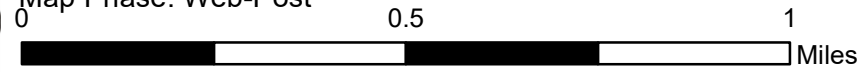


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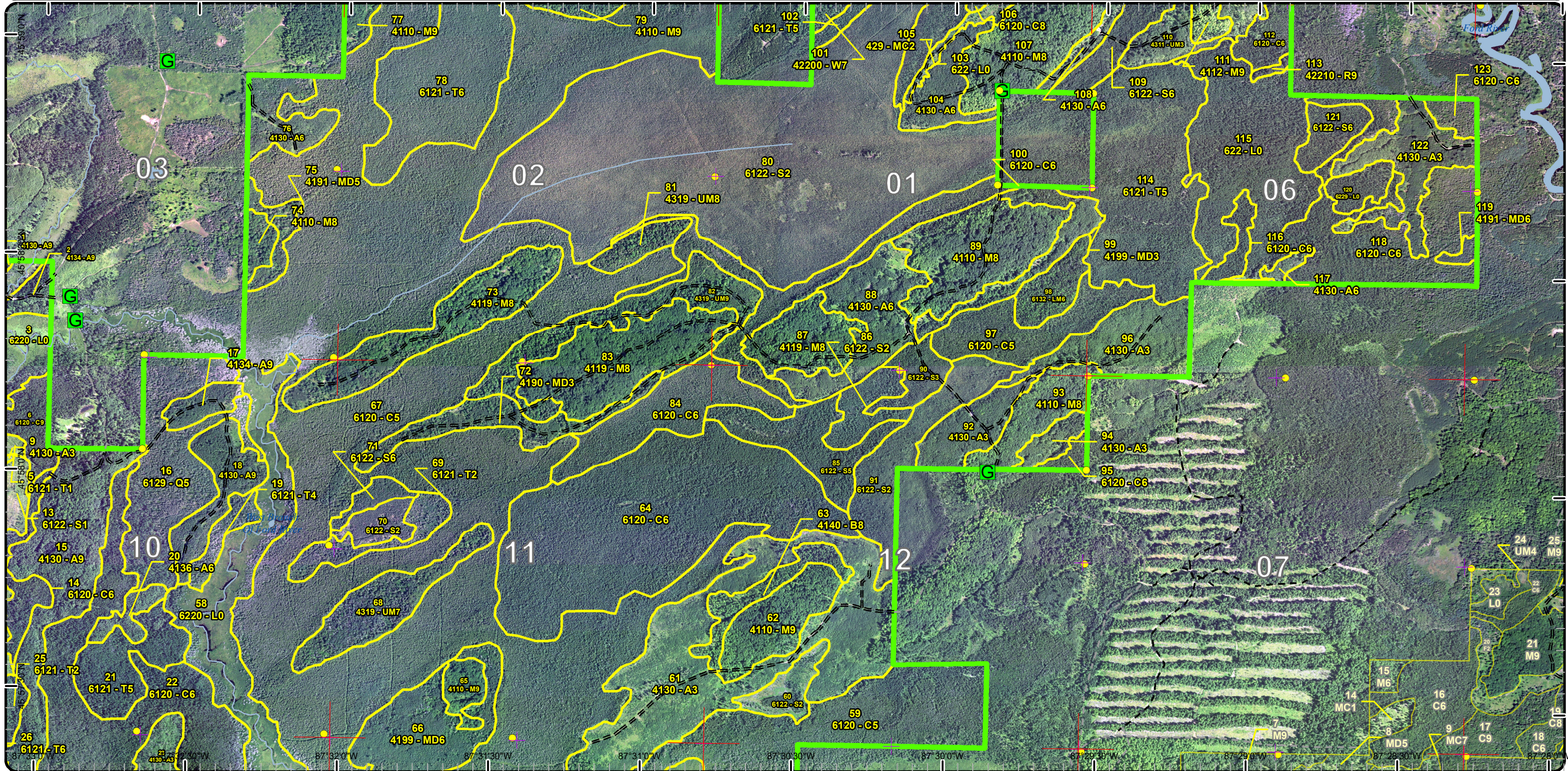


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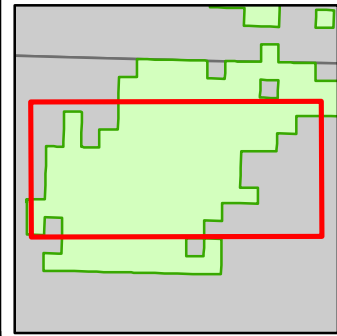
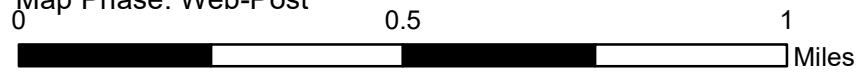


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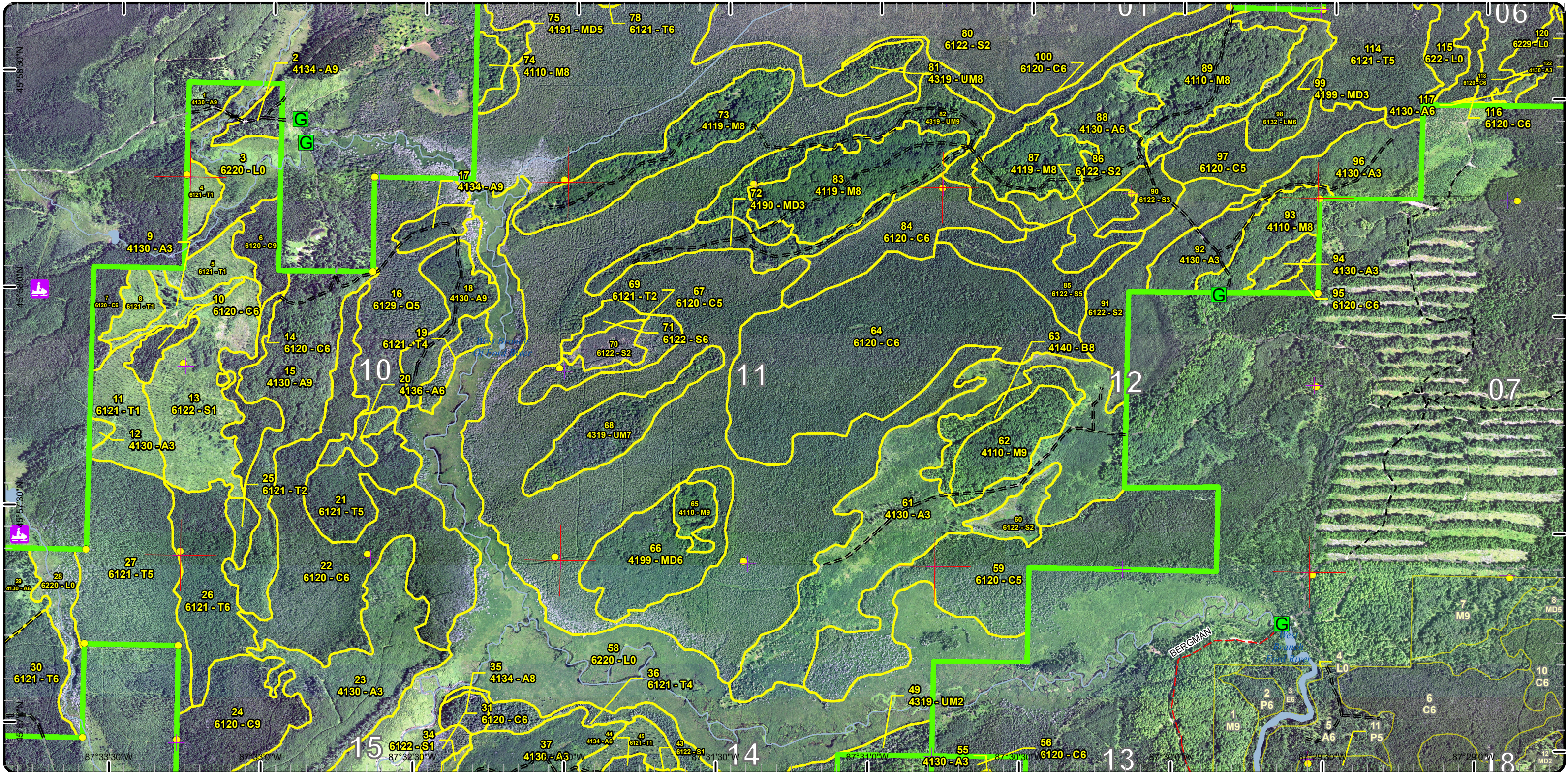


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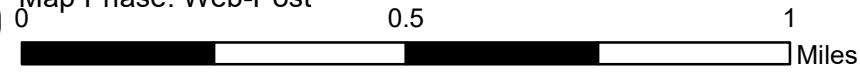


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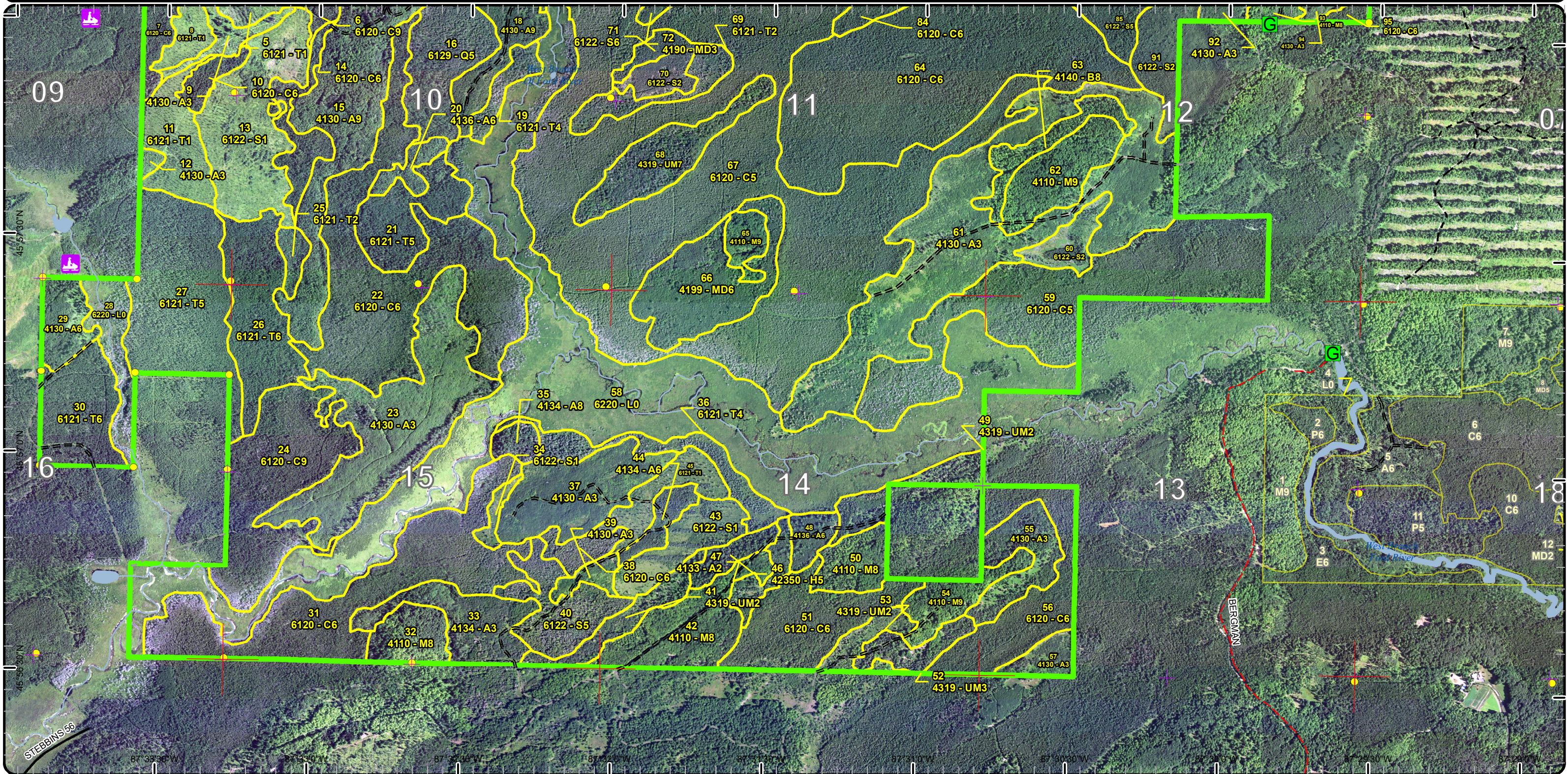


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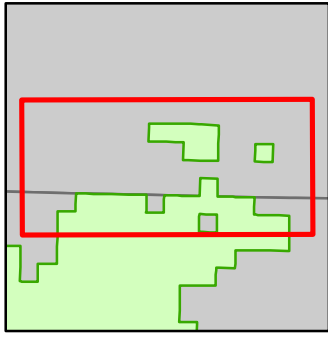
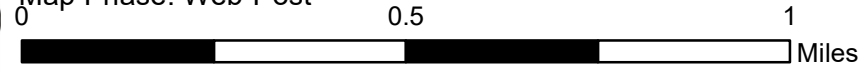


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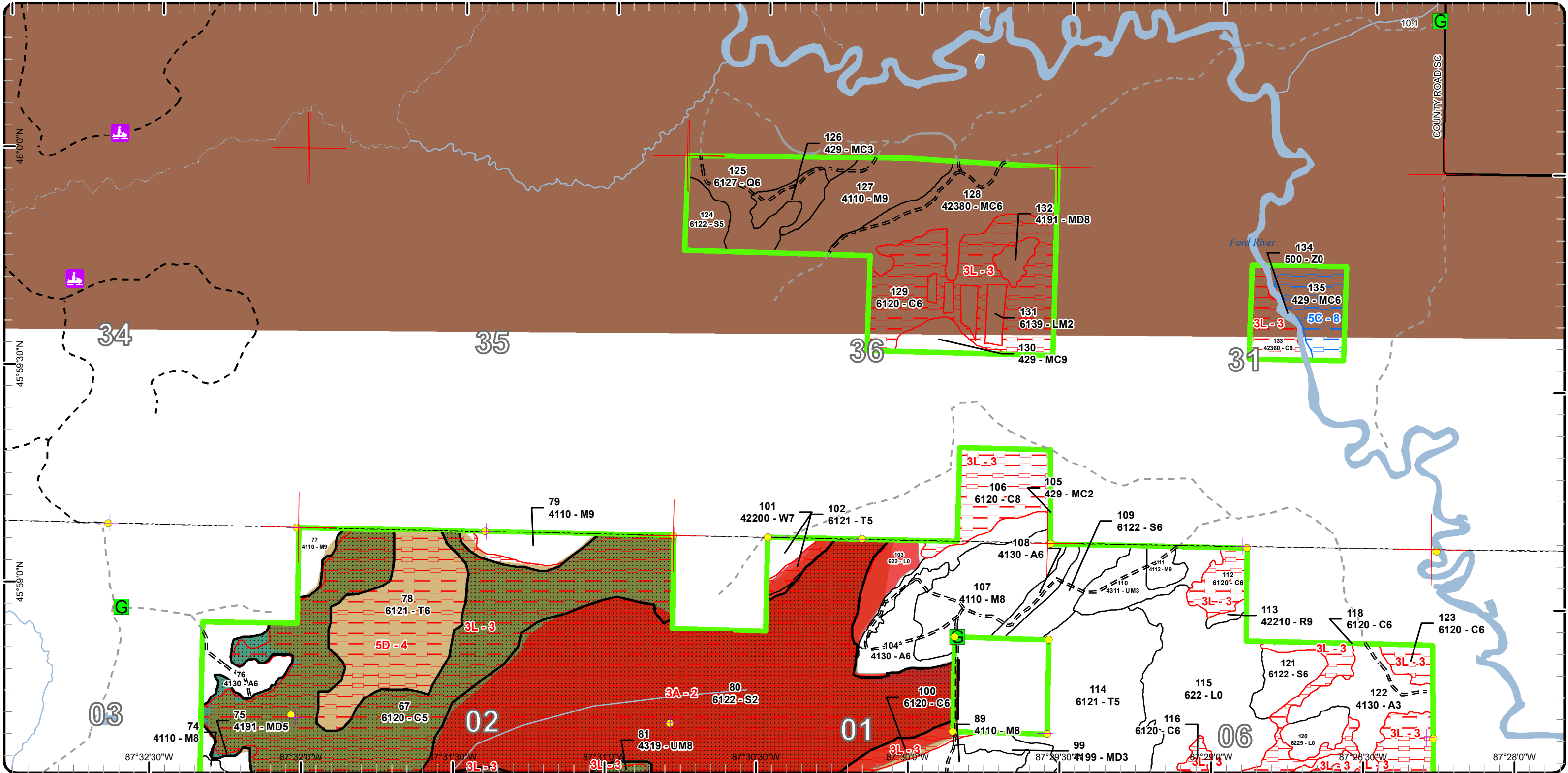


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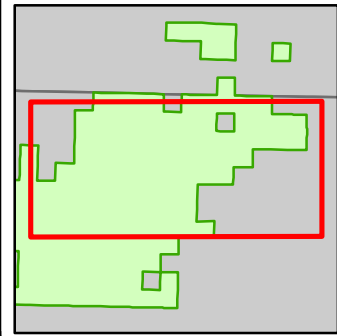
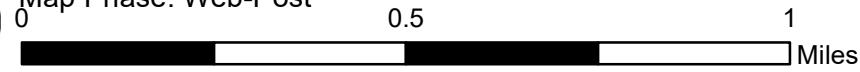


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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3A: Conservation Values incompatible with harvest at this time
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Forest Habitat Core Interior
- Deer Winter Range
- Habitat Corridor

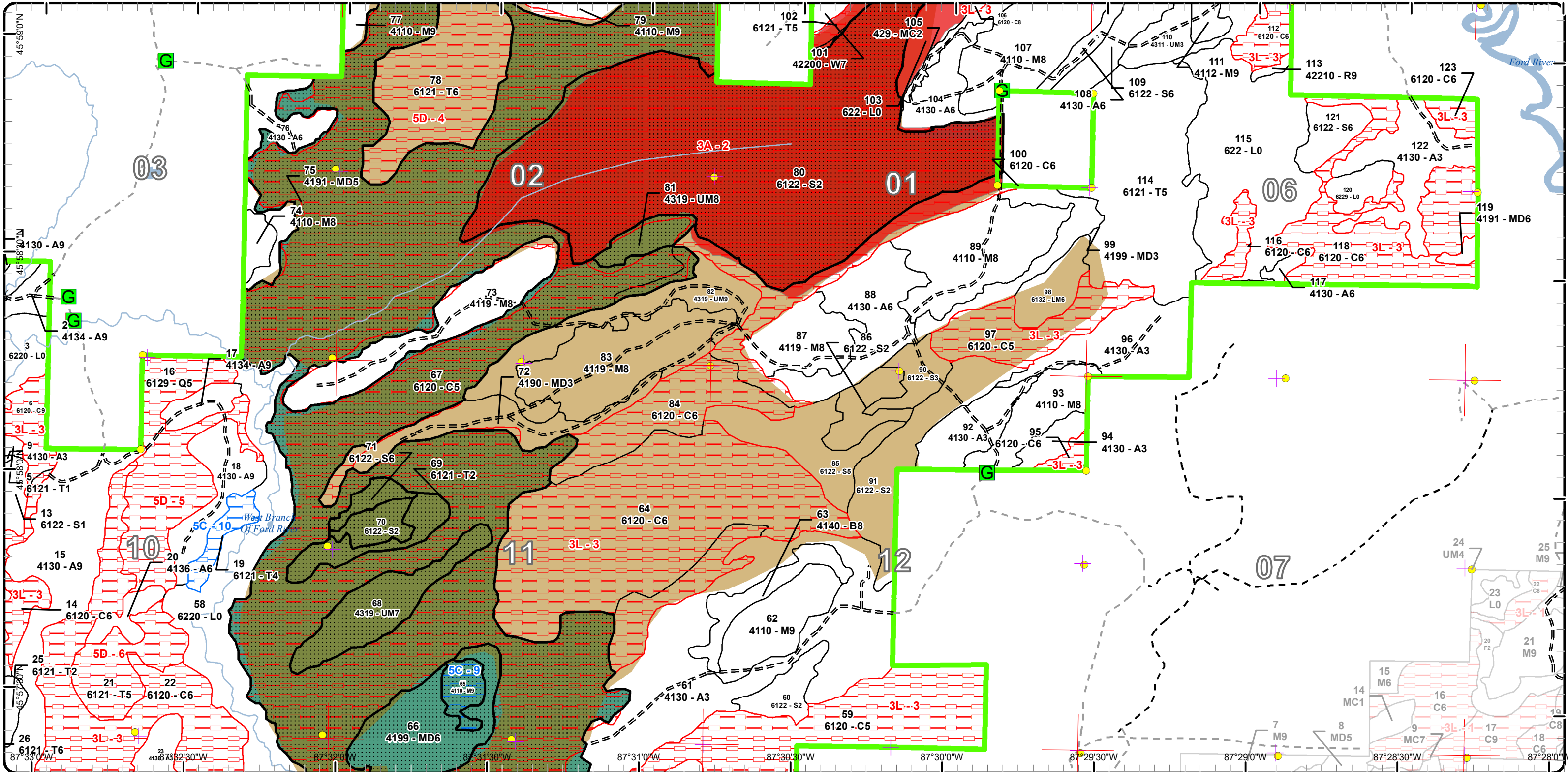


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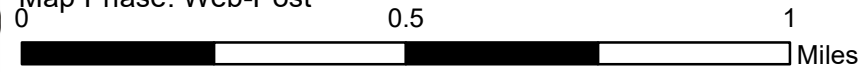


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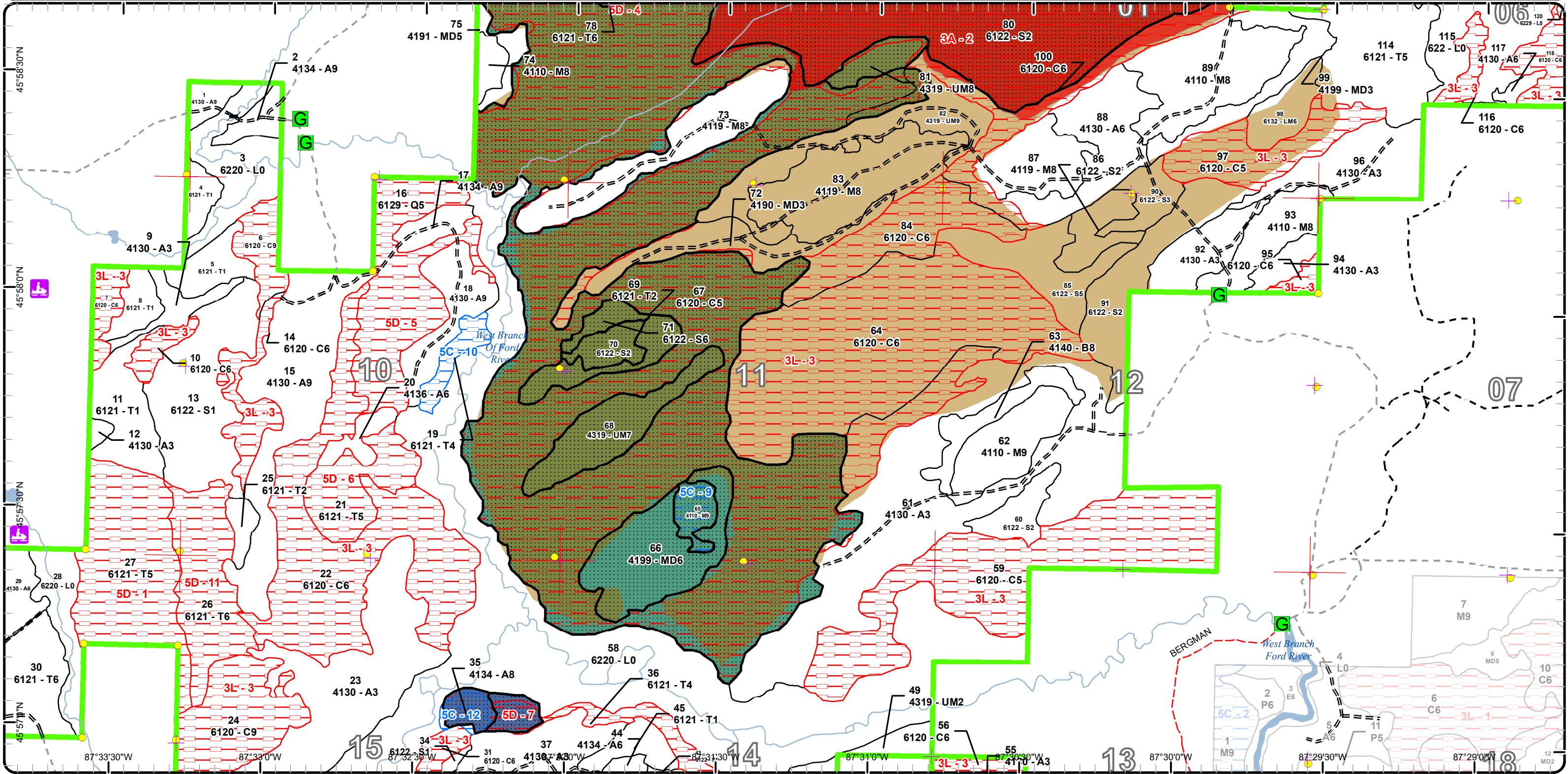


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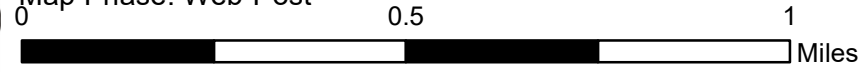


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- 3L: Other wildlife concerns
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- Stand Boundaries
- SCA
- Ecological Reference Areas
- Forest Habitat Core Interior
- Spring or Seep
- Habitat Corridor

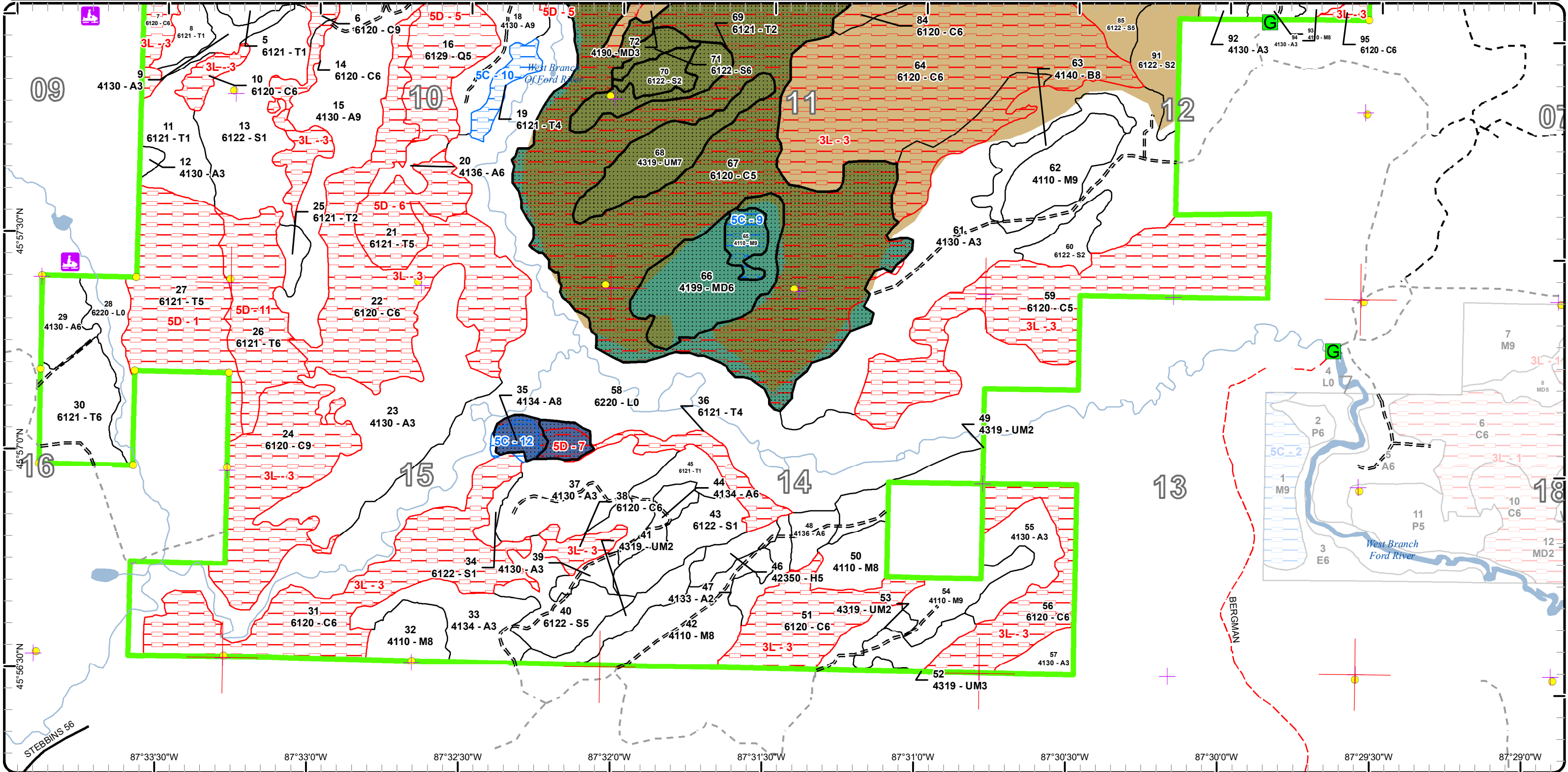


Special Conservation Areas

Compartment: 66
 T41N-R26W Sec. 1-3,9-16
 County: Menominee
 Unit: Escanaba
 Mgmt Area: North Menominee
 Moraines
 YOE: 2024
 Acres: 5429.9 GIS Calculated
 Examiner: Dan Beaudo
 Map Revised: 6/27/2022
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- G Gate
- ✕ Bridges
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- Forest Habitat Core Interior
- Spring or Seep
- Habitat Corridor



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	21	318	105	150	88	92	0	0	7	0	0	0	0	0	0	0	0	781
Cedar	0	0	0	0	0	0	0	0	0	11	0	193	558	1019	14	106	0	0	1901
Hemlock	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	0	0	33	0	0	0	66	0	0	0	0	99
Lowland Mixed Forest	0	0	0	0	0	10	0	0	0	0	0	0	0	16	0	0	0	0	26
Lowland Shrub	540	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	540
Lowland Spruce/Fir	0	64	44	0	0	0	0	45	151	0	0	0	356	0	0	0	0	0	660
Mixed Upland Deciduous	0	0	0	0	83	31	0	0	0	5	0	0	0	0	0	0	0	0	118
Northern Hardwood	0	0	0	0	0	0	0	0	0	114	359	0	0	0	0	0	0	0	473
Paper Birch	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Red Pine	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Tamarack	0	34	48	0	0	23	105	0	114	199	0	0	0	0	0	0	0	0	522
Upland Conifers	0	0	0	0	24	0	0	0	0	0	60	0	0	23	0	0	0	0	106
Upland Mixed Forest	0	14	17	29	20	0	0	0	43	0	11	0	0	35	0	0	0	0	169
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
Total	543	133	427	134	277	169	197	45	310	369	430	203	919	1159	14	106	0	0	5432



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 66

Total Compartment Acres: 5,430

Commercial Harvest - 246
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	92	0	0	0	0	0	0	0	0	92
Lowland Conifers	0	0	0	33	0	0	0	0	0	33
Mixed Upland Deciduous	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	64	0	0	0	0	0	0	0	64
Tamarack	37	0	0	0	0	0	0	0	0	37
Upland Conifers	10	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	5	0	0	0	0	0	5
Total	144	64	0	38	0	0	0	0	0	246

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	246	0	0	0	0	0	241	0	0	487
Next Step	0	0	0	0	0	0	246	0	0	246
Total	246	0	0	0	0	0	487	0	0	733



Stand	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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Proposed Treatments:

1	33066001-Cut	7.2	4130 - Aspen	Sawtimber Well	52	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 3" dbh and greater except leave cherry, pine and hemlock. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Species within the canopy layers. <u>Other Comment:</u> This is a mature aspen stand with signs of decline. This treatment will provide age class diversity in the area. Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
2	33066002-Cut	8.9	4134 - Aspen, Spruce/Fir	Sawtimber Well	50	81-110	Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees except cedar, hemlock and some larger pine. Minimize damage to sub-merchantable pine advanced regeneration <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Species within the canopy layers. <u>Other Comment:</u> Mature aspen stand with spruce budworm infestation in the spruce and balsam fir. Treatment will regenerate stand providing age class diversity within the area. Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
15	33066015-Cut	76.2	4130 - Aspen	Sawtimber Well	53	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Uneven-Aged	No
<p><u>Prescription</u> Clearcut with reserves, cut all trees 3" dbh and greater except leave pine and some large sugar maple. Also, leave some some mature aspen around the pine and maple residual trees and/or along the stand perimeter to provide parent stand residual and cavity trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Species within the canopy layers. <u>Other Comment:</u> This is a mature stand with different species dying out. Regenerate stand while leaving some large trees for diversity and habitat. Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</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
30 33066030-Cut	36.7	6121 - Tamarack	Poletimber Well	80	81-110	Harvest	Clearcut	6121 - Tamarack	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees greater than 3" except leave cedar and hemlock if present. Also leave some large pine seed trees on the south west upland knob.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Species in the canopy layers.</p> <p><u>Other Comment:</u> Forest health recommendations not to leave spruce and tamarack seed trees due to SBW and ELB presence. Seed bank in sphagnum moss and surrounding stands. This treatment will provide regeneration opportunities for a mature stand and contribute to age class diversity in the area.</p> <p>Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
77 33066077-Cut	9.9	4110 - Sugar Maple Association	Sawtimber Well	90	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selection thin stand marking individual trees to cut according to the Compleat Marker bringing stand down to approximately 70 basal area.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Species within the canopy layers.</p> <p><u>Other Comment:</u> This stand falls in the criteria for basal area and timing of when to thin northern hardwood stands. This will improve the health and vigor of the residual trees while providing sunlight for potential regeneration.</p> <p>Selection harvesting may be the most misunderstood system and is certainly the most complex. When stands of trees become overly dense, forest health risks increase. Removing the higher-risk trees and leaving the trees with higher potential improves the quality and character of the forest. The partially-opened canopy allows enough light to accelerate individual tree health, vigor and allows seedlings to grow. The young trees eventually replace the older trees as the older trees either die or are harvested</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
79 33066079-Cut	13.3	4110 - Sugar Maple Association	Sawtimber Well	81	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Selection thin stand to approximately 70 basal area according to the Compleat Marker. In addition to the marked hardwood trees, cut all aspen, balm, balsam, ironwood and spruce greater than 3" dbh.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Species within the canopy layers.</p> <p><u>Other Comment:</u> Selection thinning helps reduce the competition with close trees and improves the overall quality of the stand.</p> <p>Selection harvesting may be the most misunderstood system and is certainly the most complex. When stands of trees become overly dense, forest health risks increase. Removing the higher-risk trees and leaving the trees with higher potential improves the quality and character of the forest. The partially-opened canopy allows enough light to accelerate individual tree health, vigor and allows seedlings to grow. The young trees eventually replace the older trees as the older trees either die or are harvested.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2023</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
101 33066101-Cut	5.3	42200 - Natural White Pine	Sawtimber Poor	115	51-80	Harvest	Seed Tree	42260 - Natural Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Seed tree, Harvest all merchantable trees except leave some large pine seed trees.</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> Species within the canopy layers.</p> <p><u>Regen:</u></p> <p><u>Other</u> Good regeneration is present since last harvest. Corporate land to west and north have been clearcut causing residual trees to snap off in wind event or are dying. Leaving some seed trees to insure regeneration fills in.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
111 33066111-Cut	6.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selection thin stand to about 70 basal area according to the Compleat Marker. Only harvest hemlock for operational purposes. All other species can be harvested.</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> Species associated to northern hardwoods.</p> <p><u>Regen:</u></p> <p><u>Other</u> Stand was thinned 30 years ago. Recommendations are to thin every 15-20 years. Selection harvesting may be the most misunderstood system and is certainly the most complex. When stands of trees become overly dense, forest health risks increase. Removing the higher-risk trees and leaving the trees with higher potential improves the quality and character of the forest. The partially-opened canopy allows enough light to accelerate individual tree health, vigor and allows seedlings to grow. The young trees eventually replace the older trees as the older trees either die or are harvested.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
125 33066125-Cut	32.9	6127 - Lowland Pine Poletimber Well	83	81-110	Harvest	Seed Tree	613 - Lowland Mixed Forest	Even-Aged	No	
<p><u>Prescription</u> Cut all trees 3" dbh and greater except leave cedar, hemlock and some pine seed trees. Some cedar will be harvested for operational purposes.</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> Species within the canopy layers.</p> <p><u>Regen:</u></p> <p><u>Other</u> Mature stand with some mortality. Treatment will provide for conditions to promote seedling growth and improved sprouting in maple and aspen.</p> <p><u>Comment:</u></p> <p>Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight.</p> <p>WLD Comments: This stand is in conditional range and has a canopy composition of 5% cedar. Cedar will be retained except for operability. It is understood that some cedar will be harvested.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



Stand	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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127 33066127-Cut 34.7 4110 - Sugar Maple Sawtimber 83 111-140 Harvest Single Tree Selection 411 - Northern Hardwood Uneven-Aged No

Prescription Selection thin stand to approximately 70 basal area according to the Compleat Marker.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Species within the canopy layers.

Other Comment: Treatment recommendations for northern hardwoods is on a 15-20 year bases. This thinning will improve the quality and open up the canopy to help improve growth to regeneration.

Selection harvesting may be the most misunderstood system and is certainly the most complex. When stands of trees become overly dense, forest health risks increase. Removing the higher-risk trees and leaving the trees with higher potential improves the quality and character of the forest. The partially-opened canopy allows enough light to accelerate individual tree health, vigor and allows seedlings to grow. The young trees eventually replace the older trees as the older trees either die or are harvested.

Site Condition
Proposed Start Date: 10/1 /2023

130 33066130-Cut 9.7 429 - Mixed Upland Sawtimber 94 81-110 Harvest Clearcut with Retention 4319 - Mixed Upland Forest Two-Aged No

Prescription Cut all trees 3" dbh and greater except cedar, hemlock and a couple large pine. Some cedar will be harvested for operational purposes.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Species within the canopy layers.

Other Comment: Stand is in decline with spruce budworm present. Retention is cedar, hemlock and pine.

Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight.

WLD Comments: This stand is in conditional range and has a canopy composition of 15% cedar. Cedar will be retained except for operability. It is understood that some cedar will be harvested.

Site Condition
Proposed Start Date: 10/1 /2023

132 33066132-Cut 5.4 4191 - Mixed Upland Deciduous with Conifer Sawtimber 88 51-80 Harvest Clearcut with Retention 4319 - Mixed Upland Forest Two-Aged No

Prescription Cut all trees 3" dbh and greater except leave cedar, hemlock and pine. Some cedar will be harvested for operational purposes.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Species of the canopy layers.

Other Comment: Stand is in decline with spruce budworm present. Retention will be cedar, hemlock and pine.

Clearcutting is the solution to forest types whose seedlings or sprouts require full sunlight. Seeds and buds respond well to the warmed ground. The abundance of light produces excellent growth, some of the fastest we have. Species such as aspen, paper birch and jack pine require full sunlight.

WLD Comments: This stand is in conditional range and has a canopy composition of 15% cedar. Cedar will be retained except for operability. It is understood that some cedar will be harvested.

Site Condition
Proposed Start Date: 10/1 /2023



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

32	33066032-Monitor	18.3	4110 - Sugar Maple Association	Sawtimber Medium	90	51-80	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Regeneration check next inventory cycle. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> hardwood associated spp. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 9/13/2019</p>											

42	33066042-Monitor	41.0	4110 - Sugar Maple Association	Sawtimber Medium	90	51-80	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Check regeneration next inventory cycle. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> hardwood associated spp. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 9/13/2019</p>											

46	33066046-Monitor	9.9	42350 - Upland Hemlock	Poletimber Medium	105	81-110	Monitoring	Natural Regen (Re-Inventory)	42350 - Upland Hemlock	Uneven-Aged	No
<p><u>Prescription</u> Check regeneration next inventory cycle. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Fb, Fs, W. pine, A, Wb, Rm and hemlock. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 9/13/2019</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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47	33066047-Monitor	10.0	4133 - Aspen, Mixed Pine	Sapling Medium	3	Immature	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	No
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Prescription Check regeneration next inventory cycle.
Specs:
Next Step
Treatments:
Acceptable aspen, balsam, spruce and white pine.
Regen:
Other Percent to Treat = 100%
Comment:
Site Condition
Proposed Start Date: 9/13/2019

103	33066103-Monitor	14.4	622 - Lowland Shrub	Nonstocked	0	Immature	Monitoring	Natural Regen (Re-Inventory)	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
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Prescription Check regeneration next inventory cycle.
Specs:
Next Step
Treatments:
Acceptable Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.
Regen:
Other Percent to Treat = 100%
Comment:
Site Condition
Proposed Start Date: 4/17/2019

107	33066107-Monitor	45.4	4110 - Sugar Maple Association	Sawtimber Medium	90	51-80	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Uneven-Aged	No
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Prescription Check regeneration next inventory cycle.
Specs:
Next Step
Treatments:
Acceptable Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp.
Regen:
Other Percent to Treat = 100%
Comment:
Site Condition
Proposed Start Date: 4/17/2019



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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
115 33066115-Monitor	91.7	622 - Lowland Shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
<p><u>Prescription</u> Check regeneration next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.</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></p> <p><u>Proposed Start Date:</u> 4 /17/2019</p>										
120 33066120-Monitor	10.1	6229 - Mixed lowland shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Check regeneration next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = spruce, tamarack and cedar.</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></p> <p><u>Proposed Start Date:</u> 4 /17/2019</p>										

Total Treatment Acreage Proposed: 487

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Beaudou : Examiner

Compartment: 66
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	3A	3L	5D
770	764	7	0	Aspen	7			
1900	0	0	1900	Cedar			1,900	
10	10	0	0	Hemlock				
99	33	0	66	Lowland Conifers				66
26	26	0	0	Lowland Mixed Forest				
540	540	0	0	Lowland Shrub				
658	303	0	356	Lowland Spruce/Fir		356		
119	119	0	0	Mixed Upland Deciduous				
473	463	10	0	Northern Hardwood	10			
17	17	0	0	Paper Birch				
2	2	0	0	Red Pine				
521	246	10	265	Tamarack	10	5		260
107	85	22	0	Upland Conifers	22			
168	168	0	0	Upland Mixed Forest				
3	3	0	0	Water				
5	5	0	0	White Pine				
5,419	2,783	50	2,586	Total Forested Acres	50	360	1,900	326
	51%	1%	48%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5D: Unproductive Forest Land	79	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
This stand was on timber sale contract but was not harvested last YOE. It has smaller diameter tamarack that is merchantable but apparently not feasible to harvest. Eastern Larch Beetle also appears to be causing mortality. The stand is open with low basal area and slow growth rate.							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Beaudou : Examiner

Compartment: 66
Year of Entry: 2024

2	Unavailable	3A: Conservation Values incompatible with harvest at this time	361	Unspecified	Unspecified	Unspecified	Unspecified
Comments: These stands are part of the Skidmore Branch ERA.							
3	Unavailable	3L: Other wildlife concerns	1,900	1C: Other dept or div proc/practices	1D: Interest Group / Neighbor	Unspecified	Unspecified
Comments: Cedar stands being managed according to the Deer Wintering Guidelines.							
4	Unavailable	5D: Unproductive Forest Land	77	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Poor stocked and small diameter tamarack.							
5	Unavailable	5D: Unproductive Forest Land	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was on timber sale contract last YOE but was not harvested. Low density, small diameter and Eastern Larch Beetle makes this stand less feasible to harvest at this time. Something is also causing mortality in the black spruce. The adjacent upland has spruce budworm causing mortality in balsam fir and white spruce. Cedar appears healthy so as the tamarack and spruce die out, the stand is converting to cedar canopy.							
6	Unavailable	5D: Unproductive Forest Land	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is converting to cedar as the tamarack and spruce die out due to forest health issues. Stand was on a timber sale contract last YOE but was not harvested.							
7	Unavailable	5D: Unproductive Forest Land	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is along the edge of lowland brush with a canopy that is low stocking level. Variable age classes with larger trees dying out. Not feasible at this time for a harvest.							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Beaudou : Examiner

Compartment: 66
Year of Entry: 2024

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment to allow younger species to increase size for utilization during future treatment.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is being held until the surrounding stand is ready for a treatment due to poor access and small stand size. Coordinate with stand treatments along the trail back to these stands to make more feasible.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mortality in the merchantable tamarack has created poor stocking of live trees. Mortality could be due to forest health issues with ELB or hydrology next to the creek. Seedlings are starting so as the canopy dies off the stand will become a younger age class.							
11	Unavailable	5D: Unproductive Forest Land	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand was on timber sale contract but was not harvested last YOY. Apparently the stand was not feasible to cut at that time with less amount of tamarack now due to the Eastern Larch Beetle causing mortality in the tamarack. There is a higher concentration of cedar than the stand to the west. Stand will most likely become a cedar stand as the tamarack continues to die out.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A mature aspen stand being held from treatment to provide age class diversity of older aspen in the Management Area.							



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
33066029	Habitat Area	Habitat Corridor	SCA	758
Comments				
Stand provides benefit for wildlife (deer) in the form of snow/ wind intercept.				
33066041	Habitat Area	Habitat Corridor	SCA	12
Comments				
Maintain in unmanaged state for wildlife that utilize mature forest conditions.				
33066049	Habitat Area	Habitat Corridor	SCA	356
Comments				
Treed bog, low quality spruce type. Maintian in unmanaged state for wildlife that utilizes mature forest conditions.				



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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4130 - Aspen	Sawtimber Well	7.2	52	111-140	N/A	This is a mature aspen dominated stand. The balsam and spruce are showing signs of the spruce budworm. Adjacent corporate aspen has regenerated appearing around 20 years old. Harvesting this stand will provide for age class diversity in the area. Trace amounts of balsam, spruce, cedar, cherry, red pine and maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10	XLog	22		Ironwood		Low	5 - 10 feet	Sapling
Quaking Aspen		90	Log	10	52	Hazelnut (Beaked)		Low	< 5 feet	Tall Shrub
						White Pine		Medium	5 - 10 feet	Sapling
2	4134 - Aspen, Spruce/Fir	Sawtimber Well	8.9	50	81-110	N/A	Most of the aspen is interior and to the east side of the stand. The conifer lies closer to the waterways. Spruce budworm is in the stand with mortality setting in.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		5	Log	10		White Spruce		Medium	5 - 10 feet	Sapling
White Pine		5	Pole	6		Balsam Fir		Medium	5 - 10 feet	Sapling
White Spruce		20	Pole	8		White Pine		Medium	Variable	Sapling
Balsam Fir		10	Pole	6						
Quaking Aspen		60	Log	10	50					
3	6220 - Alder/willow	Nonstocked	35.3		Immature	No	This stand contains Skidmore Creek, lowland brush and buffer areas.			
4	6121 - Tamarack	Sapling Poor	8.5	9	Immature	N/A	This stand was treated in 2013 by the Tamarack Trapper Sale, 330040701. Seed trees were left. Tamarack and black spruce seedlings are present. Trace amount of paper birch and balsam fir.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Sapling	1		Tag Alder		High	5 - 10 feet	Tall Shrub
Tamarack		50	Sapling	1	9					
Black Spruce		40	Sapling	1						
5	6121 - Tamarack	Sapling Poor	14.4	9	Immature	N/A	Stand was treated in 2013 by the Tamarack Trapper Sale, 330040701. Seed trees were left with some sub-merchantable strips in the south west portion. Conifer seedlings present with trace amount of aspen, balsam and birch along the upland.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		40	Sapling	1		Tag Alder		High	5 - 10 feet	Tall Shrub
Balsam Fir		10	Sapling	1						
Tamarack		50	Sapling	1	9					
6	6120 - Lowland Cedar	Sawtimber Well	15.2	115	81-110	N/A	Higher concentration of cedar in this stand with some tamarack, spruce and balsam in places.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		10	Pole	8		Tag Alder		Medium	10 - 20 feet	Tall Shrub
Northern White Cedar		85	Log	10	115	Balsam Fir		Low	5 - 10 feet	Sapling
Black Spruce		5	Pole	8		Black Spruce		Low	5 - 10 feet	Sapling
7	6120 - Lowland Cedar	Poletimber Well	10.9	87	81-110	N/A	Cedar dominated stand with mix of tamarack, black spruce and some minor species.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		70	Pole	8	87	Tag Alder		Medium	5 - 10 feet	Tall Shrub
Black Spruce		10	Pole	6		Black Spruce		Low	< 5 feet	Sapling
Tamarack		20	Pole	6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
8	6121 - Tamarack	Sapling Poor	10.6	9	Immature	N/A	Stand was treated in 2013 by the Tamarack Trapper sale, 330040701. Seed trees were left every 50 feet. Tamarack and black spruce seedling present through the snow cover.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		50	Sapling	1	9	Tag Alder		
Tamarack		50	Sapling	1	9	High Density, 5 - 10 feet, Tall Shrub		
9	4130 - Aspen	Sapling Well	10.7	9	Immature	N/A	This stand had spruce budworm infestation at the time of the surrounding sale. Approval was received to treat the stand out of the year of entry process. Treatment was under the Tamarack Trapper 33-004-07-01 timber sale in 2013 cutting all aspen, spruce, fir and tamarack. Residual white and red pines present with good aspen regeneration.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		5	Log	16		Balsam Fir		
White Pine		5	XLog	22		White Spruce		
Quaking Aspen		90	Sapling	1	9	High Density, 5 - 10 feet, Sapling		
10	6120 - Lowland Cedar	Poletimber Well	8.0	120	111-140	N/A	Cedar dominated stand with scattered tamarack and black spruce.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		5	Pole	6		Black Spruce		
Tamarack		10	Pole	8		Tag Alder		
Northern White Cedar		85	Pole	8	120	Medium Density, 5 - 10 feet, Tall Shrub		
11	6121 - Tamarack	Sapling Poor	28.2	10	Immature	N/A	Stand was treated in 2012 under the Tamarack Trapper(33-004-07-01) timber sale. Seed trees (tamarack and spruce) were left every 50'. Regeneration appearing through the snow cover.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		40	Sapling	1		Tag Alder		
Tamarack		60	Sapling	1	10	High Density, 5 - 10 feet, Tall Shrub		
12	4130 - Aspen	Sapling Well	2.3	10	Immature	N/A	Stand was harvested in winter of 2012 under the Tamarack Trapper(33-004-07-01) timber sale. Good aspen regeneration with residual spruce and balsam seed trees present.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Fir		5	Pole	8				
White Spruce		5	Pole	8				
Quaking Aspen		90	Sapling	1	10			
13	6122 - Black Spruce	Sapling Poor	63.6	9	Immature	N/A	Stand was treated in 2013 under the Tamarack Trapper(33-004-07-01) timber sale. Clumps of cedar were left and seed trees every 50 feet. Tamarack and black spruce regeneration present.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Tamarack		40	Sapling	1	9	Tag Alder		
Northern White Cedar		10	Pole	8		Black Spruce		
Black Spruce		50	Sapling	1	9	Low Density, < 5 feet, Sapling		
14	6120 - Lowland Cedar	Poletimber Well	18.4	120	111-140	N/A	Cedar dominated stand with tamarack and black spruce mixed in.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		5	Pole	6		Tag Alder		
Tamarack		10	Pole	8		Black Spruce		
Northern White Cedar		85	Pole	8	120	Low Density, < 5 feet, Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
15	4130 - Aspen	Sawtimber Well	76.2	53	111-140	N/A	This is a mature aspen stand with mortality. The central to north end has sugar maple mixed in with a high amount of sugar maple regeneration reaching 20' tall. Spruce budworm is in the spruce/fir with most of the spruce being dead.																																																			
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16	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	66.2	120	1-50	N/A	Poorly stocked stand with mortality in the spruce and tamarack. Cedar in larger patches. Stand was prescribed to treat last year of entry but contractor turned it back on the 66 Tamarack timber sale. Variable diameter with all age classes present.																																																			
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17	4134 - Aspen, Spruce/Fir	Sawtimber Well	9.7	42	51-80	N/A	Aspen with mixed conifer from previous harvest in 1980. Trace amounts of other species. Variable size in aspen. Hold to provide aspen age class diversity in the area.																																																			
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18	4130 - Aspen	Sawtimber Well	26.5	42	51-80	N/A	Aspen stand that was previously harvested in 1980. Scattered white pine, cherry and maple. Stand provides aspen age class diversity in the area.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
20	4136 - Aspen, Mixed Conifer	Poletimber Well	8.4	40	51-80	N/A	Stand had been last harvested in 1980. Slow growth with just getting merchantable. Half the balsam are dead from spruce budworm most likely. Diameter ranges 2"-8". Slight upland islands surrounded by swamp.																																				
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21	6121 - Tamarack	Poletimber Medium	31.6	78	51-80	N/A	Poor quality stand with tamarack and black spruce dying out. Small patches of nice trees but majority are just merchantable with 1 or 2 sticks and 50' tall. Majority of cedar is in the sub-canopy. Stand was prescribed last year of entry but contractor turned back the uncut 66 Tamarack timber sale.																																				
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22	6120 - Lowland Cedar	Poletimber Well	126.9	115	Unspecified	N/A	Poor quality cedar, scattered tamarack and spruce throughout.																																				
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23	4130 - Aspen	Sapling Well	95.2	13	Immature	N/A	Treated in winters of 2007-2009. Gilligans Island Sale, 330030501. There was a buffer left along the east side for the river. There are also 3 one acre retention patches left within the sale area. There is a paper mill felt "camp" at end of the NE trail reported to LED is dilapidated and does not look like has been active for a few years. Old Honda 3 wheeler on corporate lands just east of Skidmore Creek.																																				
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24	6120 - Lowland Cedar	Sawtimber Well	75.7	120	141-170	N/A	Variable quality with the best along the transition.																																				
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25	6121 - Tamarack	Sapling Medium	6.4	44	1-50	N/A	Small stand of young tamarack and scattered black spruce.																																				
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26	6121 - Tamarack	Poletimber Well	48.8	82	1-50	N/A	Thicker stand but quite a bit of cedar in the sub-canopy. Tamarack in decline with dead tops. scattered spruce. This stand was prescribed to treat last year of entry but was part of the uncut 66 Tamarack timber sale.																																											
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27	6121 - Tamarack	Poletimber Medium	78.5	80	1-50	N/A	This stand is low to medium stocking with open canopy. Smaller diameter with 1-3 sticks in larger trees. Stand was prescribed to treat last inventory cycle and was part of the uncut 66 Tamarack timber sale.																																											
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28	6220 - Alder/willow	Nonstocked	21.6		Unspecified	No	Lowland shrub, Tag Alder near creek. Skidmore Creek flows through stand.																																											
29	4130 - Aspen	Poletimber Well	17.3	41	51-80	N/A	Variable diameter aspen stand with pockets of mature pine. Thicker spruce/fir patches in areas. Beavers have been active over the years on the east side up against Skidmore Creek. Spruce budworm in the stand with mortality in the spruce/fir. Adjacent corporate land has been clearcut with aspen regeneration 15-20' tall. Hold this stand another 10 years for age class diversity.																																											
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30	6121 - Tamarack	Poletimber Well	36.7	80	81-110	N/A	This is a mature black spruce and tamarack stand with mortality of both species present. Trees are taller and larger diameter in the east half of the stand. Wetter, smaller diameter and lower stocking in the west half of the stand. The old snowmobile trail cuts across the south end of the stand with old logging trails across the north and east side of the stand. Trace amounts of other species such as cedar, red maple and birch. A small upland area in the south west portion of the stand with aspen, balm, balsam fir, maple, spruce and pine. The private to the south was harvested several years ago with good regeneration of tamarack and black spruce that has a high stocking with trees around 20-30 foot tall now. This stand was prescribed to treated last inventory cycle by the uncut 66 Tamarack timber sale.																																											
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31	6120 - Lowland Cedar	Poletimber Well	101.4	108	Unspecified	N/A	Poor quality stand with a minor mix of conifer species.																																																						
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32	4110 - Sugar Maple Association	Sawtimber Medium	18.3	90	51-80	N/A	This stand was selection thinned under contract Stebbins Mix sale completed in 2019.																																																						
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33	4134 - Aspen, Spruce/Fir	Sapling Well	32.8	25	Immature	N/A	Treated in 1997 by the Located Corner Sale. Most of the stand is thick aspen with other areas a mix with residual cedar.																																																						
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34	6122 - Black Spruce	Sapling Poor	4.6	13	Immature	N/A	Treated in 2009 under contract 330060401, Stebbins Porcupine Haven. Seed trees were left and there is some spruce and tamarack regeneration showing up.																																																						
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35	4134 - Aspen, Spruce/Fir	Sawtimber Medium	7.0	80	Unspecified	N/A	Mature aspen stand that provides age class diversity within the Compartment and Management Area.																																																						
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36	6121 - Tamarack	Poletimber Poor	24.3	80	51-80	N/A	Poorly stocked tamarack, cedar with some spruce. Hold stand for age class diversity.																																																						
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37	4130 - Aspen	Sapling Well	46.0	13	Immature	N/A	Treated in 2009, Stebbins Porcupine Haven Sale, Stand has regenerated to a fully stocked stand of aspen.																																																																																										
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38	6120 - Lowland Cedar	Poletimber Well	9.6	120	Unspecified	N/A	Cedar dominated stand with black spruce and tamarack mixed throughout.																																																																																										
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39	4130 - Aspen	Sapling Well	6.8	13	Immature	N/A	Stand treated in 2009, Stebbins Porcupine Haven Sale.																																																																																										
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40	6122 - Black Spruce	Poletimber Medium	31.1	63	1-50	N/A	Part of this stand was Unit 3 of the Stebbins Mix timber sale that was "not completed" in 2019. South east portion of stand was previously harvested in 1979. Merchantable timber was previously removed, unmerchantable timber that was left became mature and not in good shape. Stand had evidence of budworm. Small piece was cut but the contractor's harvester got stuck significantly and had to get pulled out with excavators. Contractor turned this unit back with very little harvested.																																																																																										
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41	4319 - Mixed Upland Forest	Sapling Medium	16.7	13	Immature	N/A	Stand was treated in 2009 under the Stebbins Porcupine Haven timber sale. A shelterwood harvest leaving white pine, red maple, white birch and hemlock. A mixed variety of species filling in the open areas with trace amounts of cherry and birch.																																																																																										
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42	4110 - Sugar Maple Association	Sawtimber Medium	41.0	90	51-80	N/A	Unit 4 of the Stebbins mix sale. All trees cut with orange marked paint and all aspen and all 2 or more stick spruce/fir.																																											
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43	6122 - Black Spruce	Sapling Poor	25.0	13	Immature	N/A	Recently harvested in 2009, Stebbins Porcupine Haven Sale Spruce seed trees were left and some have blown down. Black spruce and tamarack seedlings present with strips of larger saplings that were not harvested.																																											
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Balsam Fir	High	10 - 20 feet	Sapling																																															
45	6121 - Tamarack	Sapling Poor	19.6	13	Immature	N/A	Stand treated in 2009, Stebbins Porcupine Haven Sale. Seed trees evenly spaced about the stand with seedlings starting to make a presence.																																											
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Black Spruce	10	Sapling	1																																															
46	42350 - Upland Hemlock	Poletimber Medium	9.9	105	81-110	N/A	Unit 5 of the Stebbins mix sale completed in 2019. All orange marked pine cut and diameter limit on the yellow birch. All other trees cut except for hemlock.																																											
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47	4133 - Aspen, Mixed Pine	Sapling Medium	10.0	3	Immature	N/A	Unit 6 of the Stebbins Mix sale. All trees cut except only orange marked pine were cut. Check regeneration during the next cycle.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48	4136 - Aspen, Mixed Conifer	Poletimber Well	9.3	25	Immature	N/A	Cut in 1997 under Located Corners timber sale. Good aspen regeneration with the residual white pine and cedar.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	XLog	18	
Balsam Fir	5	Pole	7	
Quaking Aspen	70	Pole/Sapling	6	25
Northern White Cedar	10	Log	10	
White Spruce	5	Pole	7	

49	4319 - Mixed Upland Forest	Sapling Medium	17.1	25	Immature	N/A	Stand was treated in 1997 by the Located Corner's timber sale. Uneven regeneration of mixed species. Trace of tamarack, birch, maple and black spruce.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Log	10	
Black Ash	5	Sapling	4	
Balsam Fir	15	Pole	6	
White Spruce	15	Pole	6	
Northern White Cedar	10	Log	10	
Quaking Aspen	45	Sapling	4	25

50	4110 - Sugar Maple Association	Sawtimber Medium	17.4	90	51-80	N/A	Unit 7 of the Stebbins Mix timber sale. Marked hardwood stand that was prescribed for a thinning.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Log	10	
Sugar Maple	85	Log/Pole	10	90
Basswood	10	Log	10	

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

51	6120 - Lowland Cedar	Poletimber Well	47.1	105	141-170	N/A	Cedar dominates this stand with a mix of other species.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	5	Pole	7	
Red Maple	5	Pole	8	
Balsam Poplar	5	Pole	8	
Balsam Fir	5	Pole	7	
Northern White Cedar	80	Pole	8	105

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Northern White Cedar	Medium	>20 feet	Pole

52	4319 - Mixed Upland Forest	Sapling Well	12.0	25	Immature	N/A	Treated in 1997 by the Located Corner timber sale. Stand is filling in with conifer seedlings.
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Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Sapling	3	
White Pine	10	Sapling	3	
Quaking Aspen	20	Sapling	3	
Balsam Poplar	5	Sapling	3	
Balsam Fir	30	Sapling	3	25
Sugar Maple	25	Pole	8	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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53	4319 - Mixed Upland Forest	Sapling Medium	13.8	3	Immature	N/A	Stand was treated in 2019 by the Stebbins Mix timber sale. Aspen and balm regeneration is thickening up. Other seedlings present.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	1	
Balsam Poplar	20	Sapling	1	3
Red Maple	15	Sapling	1	
Quaking Aspen	10	Sapling	1	
Black Cherry	5	Sapling	1	
Balsam Fir	20	Sapling	1	3
White Spruce	20	Sapling	1	
White Pine	5	XLog/Log	18	

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

54	4110 - Sugar Maple Association	Sawtimber Well	18.9	90	81-110	N/A	Stand was thinned in 2009 by the Stebbins Porcupine Haven timber sale.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Log	10	
Basswood	5	Log	12	
Northern White Cedar	3	Pole	8	
Hemlock	2	Pole	8	
Ironwood	5	Pole	8	
Sugar Maple	80	Log	12	90

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Pole
Ironwood	Low	10 - 20 feet	Pole
Balsam Fir	Low	10 - 20 feet	Sapling

55	4130 - Aspen	Sapling Well	25.9	25	Immature	N/A	Stand was treated in 1997 under the Touthack Block timber sale. Most of the cedar that was left has blown down. Trace of pine, cherry, ironwood, ash, cedar and hemlock.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Sapling	4	25
Balsam Poplar	15	Sapling	4	
Bigtooth Aspen	10	Sapling	4	
Sugar Maple	5	Sapling	4	
Paper Birch	5	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling
Paper Birch	Medium	5 - 10 feet	Sapling
Balsam Fir	Low	< 5 feet	Sapling
White Spruce	Low	< 5 feet	Sapling

56	6120 - Lowland Cedar	Poletimber Well	47.2	111	51-80	N/A	Poorer quality as you go south, 1-2 stick cedar with black spruce and tamarack. Cedar is crooked. Better quality timber along the transition from upland to lowland.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	3	Pole	6	
Tamarack	20	Pole/Sapling	7	
Paper Birch	2	Pole/Sapling	6	
Black Spruce	10	Pole	6	
Northern White Cedar	65	Pole	7	111

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Medium	>20 feet	Pole
Tag Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
57	4130 - Aspen	Sapling Well	10.1	14	Immature	N/A	Good regeneration filling in open areas. More conifer along the north/north west edge. Trace amounts of ash, cedar, hemlock and maple.																																							
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58	6220 - Alder/willow	Nonstocked	366.7		Unspecified	No	This stand contains the West Branch of Ford River and Skidmore Creek. Remnant beaver dams and meadows throughout. Tall grasses, tag alder and willow with a variety of lowland tree species scattered along the waterways.																																							
59	6120 - Lowland Cedar	Poletimber Medium	128.2	115	51-80	N/A	Mixed stand dominated by cedar with low stocked patches of spruce or tamarack. Quality is poorer moving south closer to river.																																							
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60	6122 - Black Spruce	Sapling Medium	13.6	13	Immature	N/A	Stand was treated in 2009 by the Bergman's Big Sky (33-007-04-01) timber sale. There is residual black spruce, cedar and birch along with the regeneration.																																							
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61	4130 - Aspen	Sapling Well	157.6	13	Immature	N/A	Stand was treated in 2009 under the Bergman's Big Sky (33-007-04-01) timber sale. Small stand of northern hardwoods in south west part of stand. Good aspen regeneration with trace amounts of cedar, hemlock, white pine, cherry and sugar maple. Much of the residual cedar has been windthrown.																																							
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62	4110 - Sugar Maple Association	Sawtimber Well	31.1	90	81-110	N/A	Stand was selection thinned in 2009 by the Bergmans Big Sky(33-007-04-01) timber sale. Nice northern hardwood stand. Variable basal area across the stand.																																											
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63	4140 - Other Upland Deciduous	Sawtimber Medium	17.4	43	51-80	N/A	Stand was treated in 2009 by the Bergman's Big Sky(33-007-04-01) timber sale. This stand has a lower stocking and higher concentration of paper birch. Regeneration really taking off in this stand. Trace amounts of basswood, beech, balsam fir and pine.																																											
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64	6120 - Lowland Cedar	Poletimber Well	182.2	115	81-110	N/A	Mix of poor quality cedar, tamarack and spruce. 1- 4 sticks tall, 5-7"dbh. Spruce and tamarack is scattered and can be found in pockets.																																											
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65	4110 - Sugar Maple Association	Sawtimber Well	10.0	90	111-140	N/A	Small northern hardwood stand with poor access. Stand was thinned in the early 1990's by the Skidmore Creek Block(33-032-89-01) timber sale. Stand could use a thinning but due to small size and poor access it would be most feasible to retain for age class diversity until the surrounding stand becomes merchantable to harvest.																																											
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66	4199 - Other Mixed Upland Deciduous	Poletimber Well	50.5	32	Immature	N/A	Stand was treated in the early 1990's by the Skidmore Creek Block(33-032-89-01) timber sale. Good regeneration but heavily browsed with some 20' tall. There is also residual cedar through out the stand.																																											
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67	6120 - Lowland Cedar	Poletimber Medium	772.9	120	81-110	N/A	Poor quality cedar dominated stand with tamarack, black spruce, and trace of other species like balsam, birch, maple and pine.																																																												
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68	4319 - Mixed Upland Forest	Sawtimber Poor	34.7	120	1-50	N/A	Upland island in middle of swamp. Timber is over mature. Balsam and spruce infected with budworm. Poor quality red maple, white birch and balm which are over mature. Open areas where timber has fallen is filling in with maple and balm. Access is possible but not easy, 3/4 mile through cedar swamp to get to it. Trace amounts of aspen, cherry, ironwood, and black spruce.																																																												
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69	6121 - Tamarack	Sapling Medium	16.4	40	1-50	N/A	Tamarack and black spruce regeneration with some scattered seed trees present.																																																												
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70	6122 - Black Spruce	Sapling Medium	11.0	72	1-50	N/A	Overall small diameter not much being in merchantable size. Some small patches of nicer trees. Poor winter access.																																																												
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71	6122 - Black Spruce	Poletimber Well	6.9	74	1-50	N/A	Small stand with poor access. Higher percentage of spruce than the surrounding large cedar stand.																																																												
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72	4190 - Mixed Upland Deciduous with Cedar	Sapling Well	27.8	41	1-50	N/A	Treated in 1981 by the Old Camp Block(33-060-77) timber sale. But the sale was not completed. Areas that were clearcut have good regeneration taller and thicker than areas that had residual trees left. Mortality in the spruce and balsam.																																																												
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73	4119 - Mixed Northern Hardwoods	Sawtimber Medium	53.0	90	51-80	N/A	Stand was selection thinned in 2019 under the 66 Hardwoods (33-006-14-01) timber sale. The perimeter and middle of the stand contain most of the cedar, hemlock and white pine. There are patches of pole size balm must have been from the previous thinning. Some logs of an old logging camp structure in a rectangular shape with trees growing up in it. Other mounds typical of building walls and pits are present as well.																																																			
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74	4110 - Sugar Maple Association	Sawtimber Medium	7.2	89	81-110	N/A	A thinner northern hardwood stand with poor quality. The more open canopy areas have decent maple regeneration but heavily browsed. Areas of cedar within the stand. Trace amounts of ash, aspen, balm, balsam fir, cherry, ironwood and spruce.																																																			
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75	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	10.5	38	1-50	N/A	Mixed species and variable size of the trees in this stand. Spruce and fir are being affected by spruce budworm. Many trees not quite in the merchantable category yet. Big poor quality maples taking up a lot of the canopy. Some open areas still exist.																																																			
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76	4130 - Aspen	Poletimber Well	22.4	45	111-140	N/A	There is a variable size to the aspen, ranging 4-12" but most seem to be in the 4-8" range. Some mature spruce and fir mixed in. Adjacent Corporate lands have aspen about 10'tall. Hold this stand until the next inventory cycle to create a better age class diversity in the area.																																																			
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77	4110 - Sugar Maple Association	Sawtimber Well	9.9	90	141-170	N/A	Stand was last thinned in 1995 by the Pruning Saw timber sale. Nice hardwood that is ready for another thinning. Trace amounts of birch, balsam, spruce, cedar and ironwood.																																																			
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78	6121 - Tamarack	Poletimber Well	76.8	78	51-80	N/A	Small diameter timber 3-5" dbh, 1-2 stick tall. Does not seem feasible for harvesting at this time.																																																					
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79	4110 - Sugar Maple Association	Sawtimber Well	13.3	81	111-140	N/A	Small upland stand that is primarily sugar maple. This forest type continues onto the adjacent corporate land. Not sure if or when this stand has been thinned. Trace amounts of ash, aspen, balm, balsam, birch, cedar, hemlock, ironwood and white spruce. This stand is ready for a thinning. Access through corporate land from stand 127.																																																					
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80	6122 - Black Spruce	Sapling Medium	355.5	115	1-50	N/A	Skidmore Creek ERA																																																					
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81	4319 - Mixed Upland Forest	Sawtimber Medium	11.2	95	81-110	N/A	Small upland island of mixed species. Not sure when it was treated last but there are old stumps present. Trace amounts of aspen, balm, birch and spruce.																																																					
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82	4319 - Mixed Upland Forest	Sawtimber Well	42.8	78	81-110	N/A	Mixture of regen with cedar and hemlock residual. Areas are heavy to maple regen with other areas heavy to balm and aspen. Real nice maple regen 15-20' tall 1-3" dbh.																																																					
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83	4119 - Mixed Northern Hardwoods	Sawtimber Medium	58.5	82	51-80	N/A	Selection thinning of stand occurred in 2019 under the 66 Hardwoods(33-006-14-01) timber sale. Down the middle of the stand is a lowland area with black and green ash. Nice regeneration in the more open areas.																																					
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84	6120 - Lowland Cedar	Poletimber Well	44.5	104	141-170	N/A	Cedar stand of better quality.																																					
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85	6122 - Black Spruce	Poletimber Medium	33.9	75	1-50	N/A	Poor quality mixed stand that has an open canopy.																																					
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86	6122 - Black Spruce	Sapling Medium	16.4	75	Unspecified	N/A	North half of stand contains more timber than south half. Timber is small diameter.																																					
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87	4119 - Mixed Northern Hardwoods	Sawtimber Medium	28.1	90	51-80	N/A	This stand was selection thinned in 2019 by the 66 Hardwoods(33-006-14-01) timber sale. A greater mix of conifers in this maple stand compared to most.																																					
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88	4130 - Aspen	Poletimber Well	42.9	33	Immature	N/A	Stand was treated during the Backpack Hardwood sale in 1988. Some open areas but overall has filled in.																																					
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89	4110 - Sugar Maple Association	Sawtimber Medium	54.9	90	51-80	N/A	Stand thinned in 2019 by the 66 Hardwoods(33-006-14-01) timber sale. A vernal pond is close to the center of this stand.																																																		
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90	6122 - Black Spruce	Sapling Well	13.4	75	51-80	N/A	Better quality spruce and tamarack than the surrounding stands.																																																		
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91	6122 - Black Spruce	Sapling Medium	41.3	73	1-50	N/A	Bog type stand with small dbh, small height, 1-3 sticks. Not much merchantable in this stand.																																																		
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92	4130 - Aspen	Sapling Well	22.1	30	51-80	N/A	Stand was treated in the early 1990's by the Skidmore Creek Block(33-032-89-01) timber sale. Aspen regeneration dominates the stand with a mix of other species.																																																		
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93	4110 - Sugar Maple Association	Sawtimber Medium	24.9	90	51-80	N/A	Stand was thinned in the early 1990's under the Skidmore Creek Block timber sale. More recently it has been thinned in 2019 by the 66 Hardwoods(33-006-14-01) timber sale. Nice northern hardwood stand.																																																		
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94	4130 - Aspen	Sapling Well	8.9	30	Immature	N/A	The majority of the stand was treated in 1992 under the Skidmore Creek Block(33-032-89-01) timber sale. A small patch in the south eastern part of the stand was harvested in 2019 under the 66 Hardwoods(33-006-14-01) timber sale. Aspen with a mix of other species are regenerating well.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
95	6120 - Lowland Cedar	Poletimber Well	4.5	115	81-110	N/A	Good quality cedar stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	7	66	Tag Alder	
Northern White Cedar		90	Pole	7	115	Low	
Tamarack		5	Pole	6		5 - 10 feet	
						Tall Shrub	
96	4130 - Aspen	Sapling Well	38.4	30	Immature	N/A	Small patch of hardwood in south east corner of this stand. Stand was treated in 1992 by the Skidmore Creek Block(33-032-89-01) timber sale. Trace amount of bigtooth aspen, cedar and maple.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Poplar		20	Sapling/Pole	4			
Balsam Fir		5	Pole	7			
Northern White Cedar		2	Pole	8			
White Spruce		3	Pole	7			
Quaking Aspen		70	Sapling/Pole	4	30		
97	6120 - Lowland Cedar	Poletimber Medium	37.9	120	111-140	N/A	Cedar with black spruce, ash and a trace of tamarack.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		85	Pole	8	120	Tag Alder	
Black Ash		5	Sapling	4		Medium	
Black Spruce		10	Pole	8		Medium	
						< 5 feet	
						Sapling	
						High	
						< 5 feet	
						Sapling	
98	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	16.1	120	51-80	N/A	Mixed stand with trace of yellow birch and hemlock. Treat next year of entry with adjacent hardwood thinning.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		15	Pole	7		Balsam Fir	
Black Ash		10	Pole	6		Medium	
Northern White Cedar		30	Log	10	120	Medium	
Paper Birch		10	Pole	7		5 - 10 feet	
Balsam Poplar		15	Pole	8		Tall Shrub	
Red Maple		20	Pole	8		Medium	
						>20 feet	
						Pole	
						Low	
						10 - 20 feet	
						Sapling	
99	4199 - Other Mixed Upland Deciduous	Sapling Well	21.7	33	1-50	N/A	Nice regeneration of red maple. Stand was harvested in 1991 by the Backpack Hardwoods timber sale. Cedar and hemlock left for residual and are scattered throughout the stand. Trace of ash, balsam, cedar and hemlock.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		5	Sapling	3		White Spruce	
Balsam Poplar		10	Sapling	4		Medium	
Quaking Aspen		25	Sapling	4		< 5 feet	
Black Cherry		5	Sapling	3		Sapling	
Red Maple		45	Sapling	4	33		
Bigtooth Aspen		10	Sapling	4			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
100	6120 - Lowland Cedar	Poletimber Well	45.5	115	81-110	N/A	Transition from high to low, has bigger timber but only about 1 chain wide then drops to 2 stick cedar with occasional black spruce. Trace amounts of balm, birch, tamarack and maple.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		10	Pole	7		Tag Alder		
Northern White Cedar		90	Pole	7	115	Black Spruce		
							Density	
							Avg. Height	
							Size	
101	42200 - Natural White Pine	Sawtimber Poor	5.3	115	51-80	N/A	This stand was treated in 2018 by the 66 Northeast(33-005-14-01) timber sale. White pine and some large maples were retained. The corporate land on the west and north side has been clearcut. Pine are dying and snapping off. Good regeneration is in progress including some small pine seedlings. Trace amounts of birch, balsam and spruce.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		90	Log	16	115	White Pine		
Red Maple		5	Log	10		Sugar Maple		
Sugar Maple		5	Log	10		Red Maple		
							Density	
							Avg. Height	
							Size	
102	6121 - Tamarack	Poletimber Medium	5.0	78	51-80	N/A	Decent quality of black spruce and tamarack being on the transition from the upland to the lowland. Stand meets silvicultural criteria for treatment. Treating this stand will add age class diversity to the tamarack and black spruce stands in the area.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		40	Pole	6		Black Spruce		
Tamarack		60	Pole	8	78			
							Density	
							Avg. Height	
							Size	
103	622 - Lowland Shrub	Nonstocked	14.4	0	Immature	No	This stand was harvested in 2018 under the 66 Northeast(33-005-14-01) timber sale. Check regeneration during next inventory cycle.	
Sub-Canopy Species		Density	Avg. Height	Size				
Black Spruce		Low	>20 feet	Sapling				
104	4130 - Aspen	Poletimber Well	20.3	31	Immature	N/A	Stand was treated in 1991 by the Backpack Hardwoods timber sale. There is some scattered Cedar and pockets of tamarack along the east edge. Trace amounts of birch, cherry, cedar and tamarack.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		15	Pole	8		White Spruce		
Red Maple		5	Sapling	4		Ironwood		
Quaking Aspen		80	Pole/Sapling	6	31			
							Density	
							Avg. Height	
							Size	
105	429 - Mixed Upland Conifers	Sapling Medium	13.3	31	Immature	N/A	Treated under the Backpack Hardwoods sale in 1991. Mostly a mix of conifer with aspen, balm and maple. Trace amounts of birch, cherry, hemlock, white pine and hazel.	
Canopy Species		% Cover	Size Class	DBH	Age			
Blue Spruce		20	Sapling/Pole	4	31			
Tamarack		15	Sapling/Pole	4				
Northern White Cedar		5	Log	10				
Balsam Poplar		15	Sapling/Pole	4				
Red Pine		5	Sapling	4				
Quaking Aspen		15	Sapling/Pole	4	31			
Balsam Fir		15	Sapling	4				
Red Maple		10	Sapling	3				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
106	6120 - Lowland Cedar	Sawtimber Medium	33.0	142	Unspecified	N/A	Swamp conifers with associated hardwoods.																																															
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107	4110 - Sugar Maple Association	Sawtimber Medium	45.4	90	51-80	N/A	This stand was thinned in 2018 by the 66 Northeast(33-005-14-01) timber sale. Marked hardwood stand with gaps and expansion of gaps created. Existing maple regeneration, a little damage was done mainly to ash regeneration in this stand. Trace amounts of aspen, balm, beech, birch, basswood, cherry and hemlock. Beech just starting to get scale on it.																																															
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108	4130 - Aspen	Poletimber Well	7.2	31	Immature	N/A	Treated in 1991 by the Backpack Hardwoods timber sale. Trace amounts of cherry, cedar, balsam and spruce.																																															
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109	6122 - Black Spruce	Poletimber Well	16.3	70	1-50	N/A	Small diameter, 3-4 sticks tall, healthy. Transition along west side has larger dbh and taller. rest 3-4"																																															
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110	4311 - Pine, Aspen Mix	Sapling Well	19.7	31	Immature	N/A	Stand was treated in 1991 under the Backpack Hardwood timber sale. Nice stand of aspen with residual hemlock and cedar. There is spruce and balsam in the understory. Pockets of tamarack along the south edge. Trace amounts of cherry, birch, and black spruce.																																															
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111	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.0	90	111-140	N/A	Stand was thinned in 1992 by the Backpack Hardwoods(33-025-89-01) timber sale. Trace amounts of other species such as ash, balsam, basswood, balm, birch, cedar, maple, pine and spruce.																																					
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112	6120 - Lowland Cedar	Poletimber Well	12.2	120	Unspecified	N/A	Predominately cedar with some tamarack and spruce. Occasional birch and other hardwood scattered throughout the stand.																																					
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113	42210 - Natural Red Pine	Sawtimber Well	1.9	72	111-140	N/A	Small upland island of red pine. Trace of spruce, fir, maple and white pine.																																					
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114	6121 - Tamarack	Poletimber Medium	105.2	55	1-50	N/A	Canopy is more open in some areas.																																					
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115	622 - Lowland Shrub	Nonstocked	91.7	0	Unspecified	No	This stand was clearcut leaving seed trees uniformly spaced out. Treatment occurred in 2018 by the 66 Northeast(33-005-14-01) timber sale. Mostly grass, tag alder and some seedling popping up through the snow.																																					
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116	6120 - Lowland Cedar	Poletimber Well	8.4	115	Unspecified	N/A	Greater concentration of cedar than surrounding treated area.																																					
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117	4130 - Aspen	Poletimber Well	3.9	40	Unspecified	N/A	Stand had been treated in 1982 with regeneration being dominated by aspen.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
118	6120 - Lowland Cedar	Poletimber Well	76.6	120	81-110	N/A	A large cedar stand containing a mix of other species. Trace amounts of balsam fir, maple, and pine.																																															
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119	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.8	40	51-80	N/A	Stand was treated in 1983 and regenerated to the west side heavier to aspen and the east side is balsam, spruce and some aspen. Slight upland from the surrounding. Trace amounts of cedar, black spruce and tamarack.																																															
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120	6229 - Mixed lowland shrub	Nonstocked	10.1	0	Unspecified	No	This stand was treated in 2018 under the 66 Northeast(33-005-14-01) timber sale. All trees cut except scattered seed trees including cedar																																															
121	6122 - Black Spruce	Poletimber Well	14.0	60	1-50	N/A	Tamarack and spruce make up majority of the stand, some cedar.																																															
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122	4130 - Aspen	Sapling Well	37.1	29	1-50	N/A	Stand was treated in 1993 under the Doghair Balsam Block(33-026-91-01) timber sale. Good aspen regeneration with residual cedar and pine.																																															
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123	6120 - Lowland Cedar	Poletimber Well	7.2	120	Unspecified	N/A	Smaller cedar stand surrounded by corporate land on the north and east side.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
124	6122 - Black Spruce	Poletimber Medium	11.5	77	1-50	N/A	This stand gets wetter and less dense as move to the west and south west corner. Mortality in both spruce and tamarack. Some scattered, single cedar and pine trees. Pine prevalence increases as move to east along adjacent stand. Mature black spruce/tamarack stand but small diameter.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		5	Pole	6		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Black Spruce		95	Pole	5	77					
125	6127 - Lowland Pine	Poletimber Well	32.9	83	81-110	N/A	This is a mixed conifer stand with few deciduous trees. Pine tend to be more numerous on the slight ridges. Lowland areas have black spruce with some tamarack and cedar. Trace amounts of aspen, balm, birch and maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		5	Pole	8		White Pine		Low	Variable	Sapling
Balsam Fir		10	Pole	8		Tag Alder		Low	5 - 10 feet	Tall Shrub
Black Spruce		35	Pole	8	83	Black Spruce		Low	Variable	Sapling
Red Pine		30	Log	10						
White Pine		20	Log	12						
126	429 - Mixed Upland Conifers	Sapling Well	11.1	32	Immature	N/A	After a non-commercial treatment, the stand is now a well stocked white pine and aspen saplings with red pine and black spruce.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		40	Sapling/Pole	4		White Pine		Medium	Variable	Sapling
White Pine		50	Sapling/Pole	4	32	Black Spruce		Low	Variable	Sapling
Black Spruce		5	Sapling	4						
Red Pine		5	Pole	7						
127	4110 - Sugar Maple Association	Sawtimber Well	34.7	83	111-140	N/A	Almost a pure sugar maple stand, thinned in 2008 under contract 32-017-03-01. Nice looking northern hardwood stand but regeneration is being browsed on. This stand was last thinned at the 15 year recommended time frame. A thinning will continue to improve the stand and even out the basal area differences while creating regeneration gaps.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		5	Log	12		Maple (spp.)		Low	5 - 10 feet	Seeding
Sugar Maple		90	Log/Pole	12	83	Ironwood		Low	5 - 10 feet	Sapling
Basswood		5	Log	12						
128	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	50.7	97	81-110	N/A	Narrow ridge of Hemlock, aspen, yellow birch, with the occasional balsam fir, upland cedar, red maple and white pine sawtimber.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Poplar		10	Pole	6		Balsam Fir		Low	Variable	Sapling
Hemlock		10	Log	10	85					
Northern White Cedar		20	Log	10	97					
Balsam Fir		10	Pole	6						
White Spruce		10	Sapling	4						
Yellow Birch		5	Log	12						
Black Spruce		5	Pole	8						
Quaking Aspen		15	Pole	8	45					
Tamarack		5	Log	8						
Red Maple		10	Pole	8						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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129 6120 - Lowland Cedar Poletimber Well 72.6 142 81-110 N/A Cedar is variable in quality. Slight upland areas support better form and size. Majority of the area is wet which has bowed, leaning and smaller diameter cedar. Upland areas were delineated out this inventory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	6		Balsam Fir	Low	Variable	Sapling
Balsam Fir	5	Pole	6					
Tamarack	5	Pole	6					
White Pine	5	Log	12					
Hemlock	10	Log	12					
Northern White Cedar	65	Pole	8	142				

130 429 - Mixed Upland Conifers Sawtimber Well 9.7 94 81-110 N/A Upland knob with some lowland pockets. Old stumps indicate some form of treatment years ago. Mature red maple and birch with balsam and spruce mortality. Spruce budworm appearance in all ages of balsam and spruce. Cedar is more scattered with majority of hemlock in patches. This stand is in decline and has forest health issues.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Pole	8		Northern White Cedar	Low	Variable	Sapling
White Spruce	5	Log	12		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	15	Log	12	142				
Balsam Fir	5	Pole	6					
Paper Birch	10	Log	12					
Hemlock	20	Log	12	142				
Red Maple	30	Log	12	94				
White Pine	10	Log	14					

131 6139 - Mixed Lowland Forest Sapling Medium 10.4 42 1-50 N/A Cedar strip cuts from 1980. West two strips have greater prevalence of red maple and birch. East two strips have lesser canopy with greater prevalence of black ash. Tag alder throughout all strips. Too much snow to see seedlings closer to the ground.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	20	Sapling	2	
Balsam Fir	25	Sapling	1	42
Tamarack	10	Sapling	3	
Balsam Poplar	10	Sapling	2	
Black Ash	5	Sapling	3	
Black Spruce	10	Sapling	2	
Red Maple	20	Sapling	2	42

132 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 5.4 88 51-80 N/A Slight island in middle of cedar swamp. Old, small stumps indicate some form of past treatment. Mature stand in decline. Areas of red maple seedlings deformed by browse. Birch are dying off. Spruce budworm in all ages of fir and spruce. A couple large white pine on the west side of the stand. Trace amounts of other species like black spruce, pine, aspen and tamarack.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Log	14	88	Red Maple	Low	< 5 feet	Seeding
Paper Birch	20	Log	12		Balsam Fir	Low	Variable	Sapling
Balsam Fir	5	Pole	6					
White Spruce	5	Pole	8					
Hemlock	10	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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133	42360 - Upland Cedar	Sawtimber Well	13.8	130	171-200	N/A	Mixed swamp conifer stand of cedar, fir, black spruce, with white birch and balm. SCA deer yard. Mixed upland with areas of lowland brush in drainage areas. Poor access with good quality cedar. Deer trails paralleling river. Trace amounts of ash, yellow birch and paper birch.																																																
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134	500 - Water	Nonstocked	3.4		Immature	No	This is the Ford River flowing north to south.
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135	429 - Mixed Upland Conifers	Poletimber Well	22.5	125	141-170	N/A	Mixed conifer stand, heavy to cedar with black spruce, fir, and a ridge of red and white pine sawtimber. Some form of treatment has occurred in the past by the presence of stumps.																																											
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