



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33056

Entry Year 2023

Acreage: 1,746

County Menominee

Management Area: Green Bay Lake Plain

Revision Date: 2021-06-29

Stand Examiner: Dan Racine

Legal Description:

T35N, R25W, Sections 19, 20, 21, 28, 30

Identified Planning Goals:

The goal is to maintain and improve the health productivity, diversity and sustainability of the land. Treatments planned for this entry period include clearcutting the mature aspen stands to encourage aspen regeneration, clearcuts and shelterwood cuts in the mixed upland deciduous stands to encourage regeneration of a mix of deciduous species with conifer regeneration in the stands with a conifer component. Clearcuts in the lowland deciduous to salvage the ash and encourage regeneration of the overstory species mix and increase the growth and productivity of the stands. The monitoring treatments will continue on stands that were treated the last entry cycle to monitor the success of the shelterwood harvests in lowland ash stands.

Soil and topography:

The soils in this compartment are primarily of the Deford- Wainola- Rousseau Complex. These are deep, nearly level, poorly to well drained sandy soils on lake plains and outwash plains.

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

This compartment is just west of the town of Cedar River. The surrounding land is mostly State with some private. It is part of a 45,000 acre block of State land. The compartment is bisected by private land along the County roads. The private land is primarily forested land interspersed with farmland, both active and abandoned. The private land is used for hunting, timber production, and farming. There are some hunting camps and permanent homes.

Unique Natural Features:

The Walton River flows through the compartment. The west side of the compartment is bordered by the Hayward Marsh.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Given recent Great Lakes high-water levels, standing water in the form of vernal pools or temporary waterbodies may exist throughout all compartments. Therefore, buffers are recommended to protect these areas in accordance with Best Management Practices.

Compartment 33056: NLMMU – Jennifer Johnson: This compartment contains portions of the Walton River- a designated Type 4 trout stream less than 50' in width. A 300' buffer is recommended for the Walton River in riparian areas susceptible to aspen regeneration. For areas not susceptible to aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices. Ruleau Creek and its tributaries also run through this compartment and a 100' buffer is recommended.

Wildlife Habitat Considerations:

This compartment is located within the green bay lake plain management area. The area demonstrates a natural propensity to grow white pine and balsam fir, but this particular compartment is notable for the high proportion of lowland of deciduous forest. Some lowland deciduous stands are proposed for treatment this inventory cycle to address forest health concerns. Perpetuation of lowland deciduous stands is important for over 90 species of wildlife, so it is important to begin regeneration of this cover type that has been deferred from consideration for many years. This compartment also contains a large acreage of aspen forest, some of which will be harvested and regenerated to the benefit of early successional species, including many of which will be harvested and regenerated to the benefit of early successional species, including many of the most popular game species. Several stands will continue to have special conservation area status in which natural processes will be allowed to operate. These include a large spruce bog on the western border of

the compartment, the Walton River riparian corridor, and a block of land in the southeast corner of the compartment where the closed-canopy forest has been attractive to nesting hawks.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. Three active sand/gravel pits are within one mile of the compartment. The compartment is predominantly wetlands, but there may be potential for sand & gravel and/or limestone mining on the sparse uplands. There has been some limited mineral exploration in the area in the past. However, potential metallic mineral bearing formations beneath the compartment are thought to be too deep to have significant potential for discovery or economic recovery.

Vehicle Access:

Most of the compartment can be easily accessed by roads that spur off of County Road G12. These include the Jim Town Road, Westman Road, and other unnamed roads. The north portion of the compartment can be reached from the Indian Springs Road. Access to land in section 28 is difficult.

Survey Needs:

The potential for one survey corner needed to establish the proposed management activities.

Recreational Facilities and Opportunities:

There are no developed recreational facilities. Primary recreational use is hunting, fishing, ORV riding, and snowmobiling.

Fire Protection:

Access is can be limited to most of this compartment and the timber types in the area are generally low risk for fire hazard.

Additional Compartment Information:

The following reports from the Inventory are attached:

- ◆ Total Acres by Cover Type and Age Class
- ◆ Proposed Treatment Summary
- ◆ Proposed Treatments – No Limiting Factors
- ◆ Proposed Treatments – With Limiting Factors
- ◆ Stand Details (Forested and Nonforested)
- ◆ Dedicated and Proposed Special Conservation Areas

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

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

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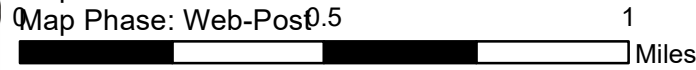
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

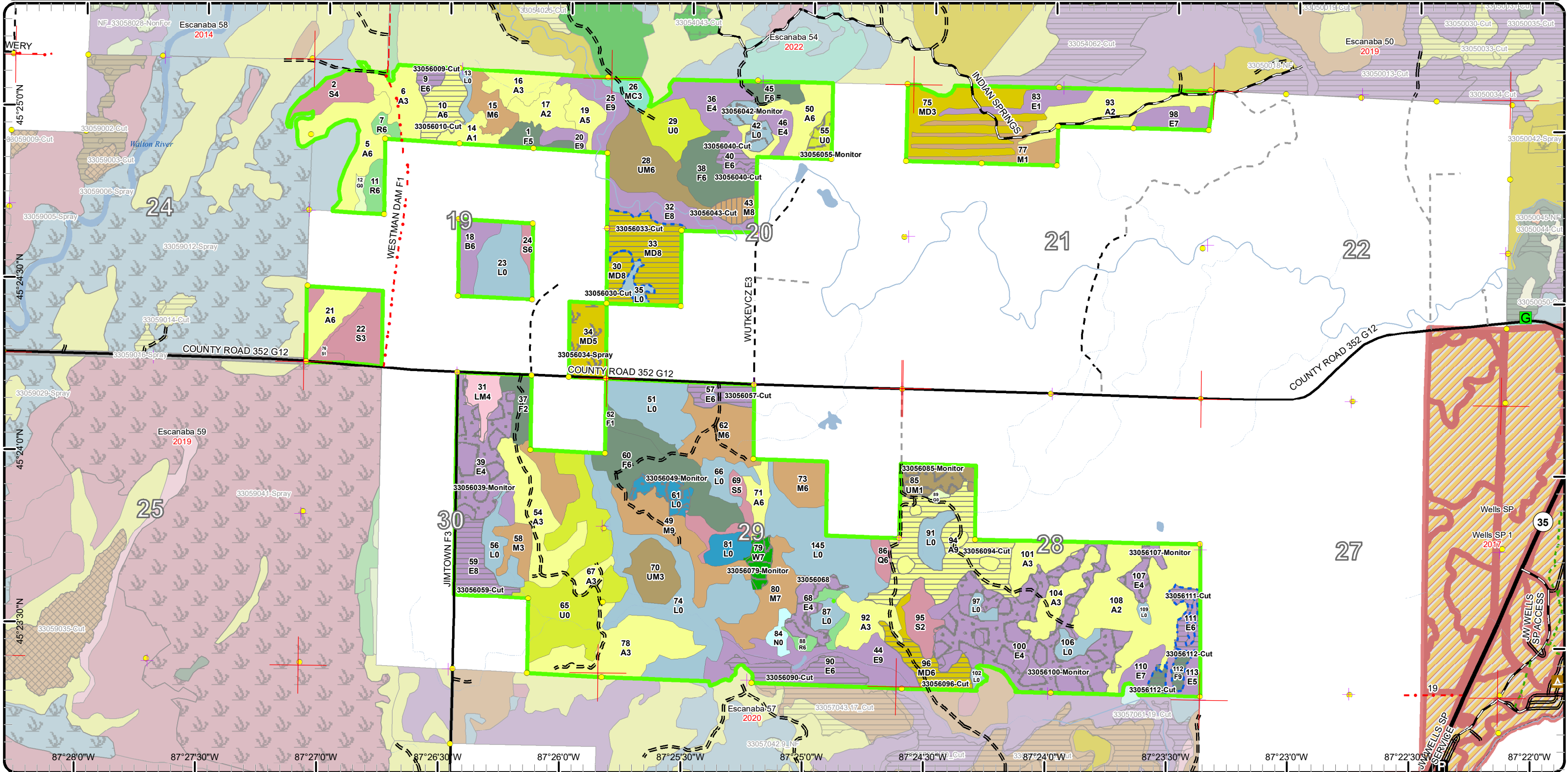
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

Cover Type & Treatments Map

Compartment: 56
 T35N R25W Sec. 19, 20,21,
 28,30
 County: Menominee
 Unit: Escanaba
 Mgmt Area: Green Bay Lake
 Plain
 YOE: 2023
 Acres: 1746.2 GIS Calculated
 Examiner: Dan Racine
 Map Revised: 6/29/2021
 Map Phase: Web-Post

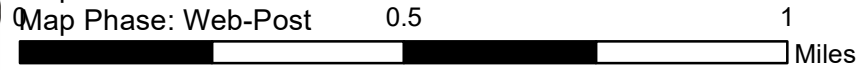


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Pesticide
- Clearcut (w/Reserves)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

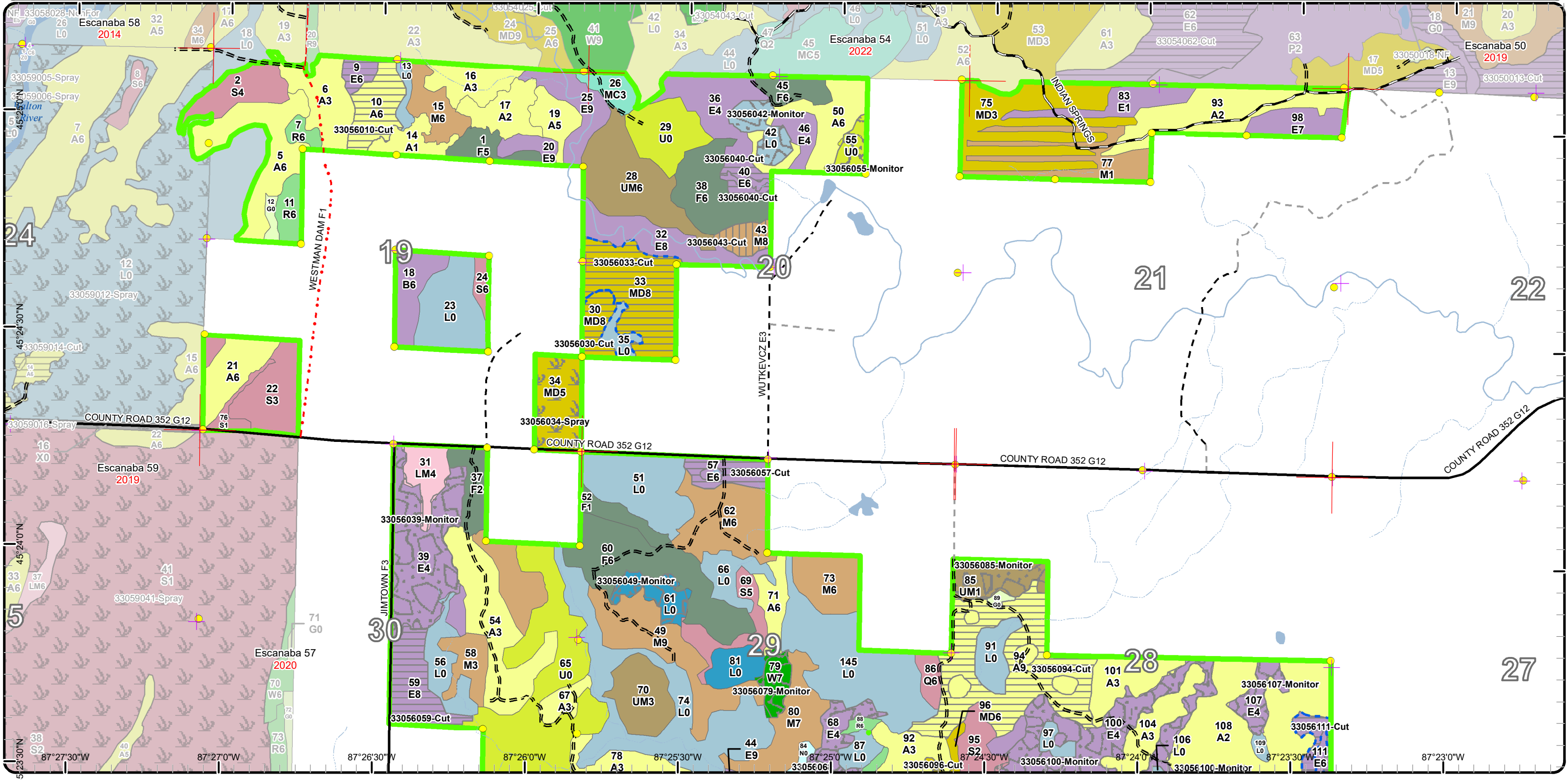


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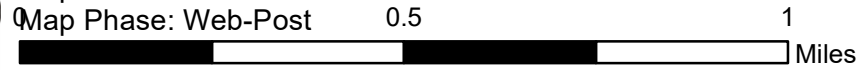


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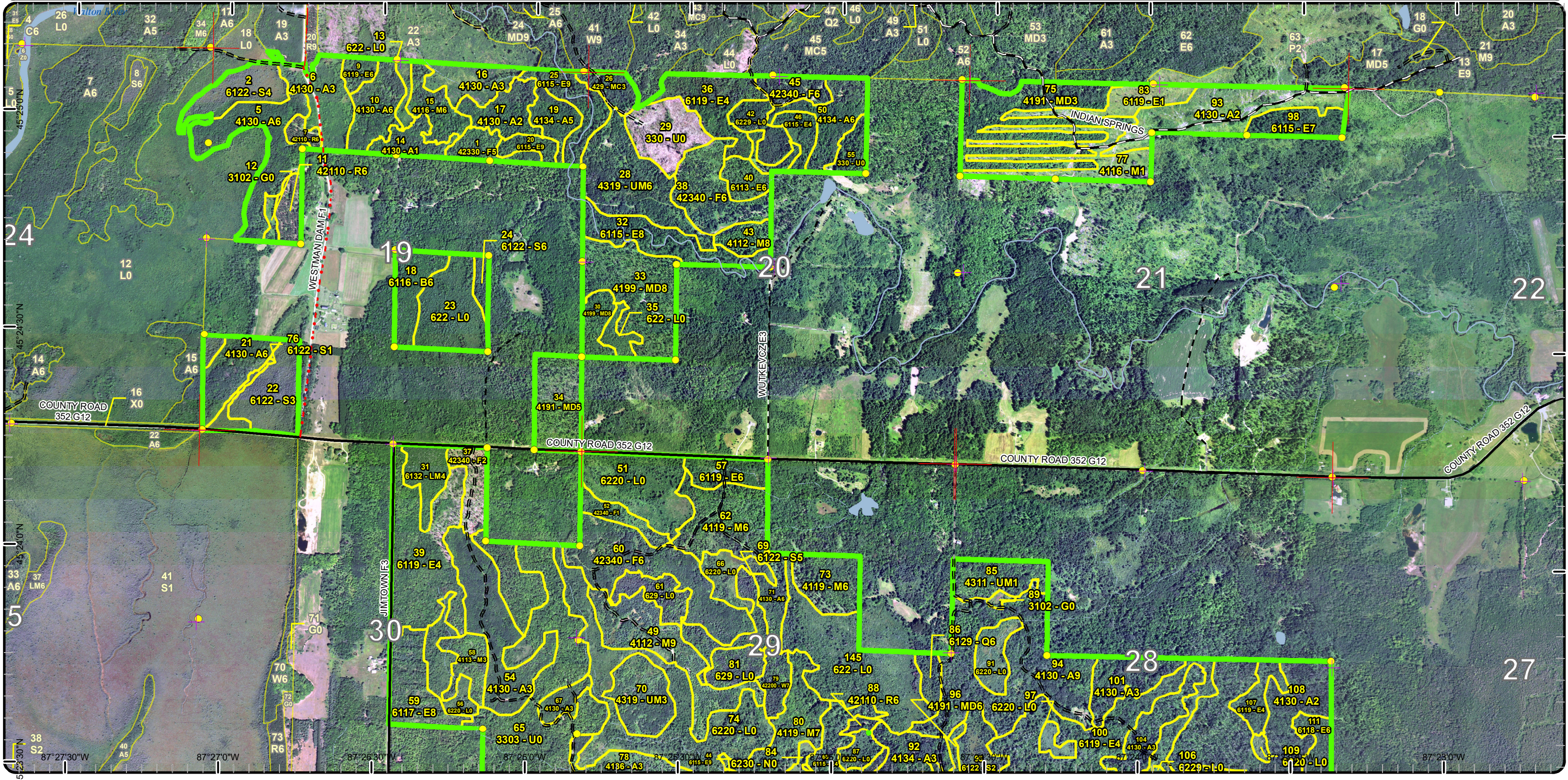


Stand Boundary Map

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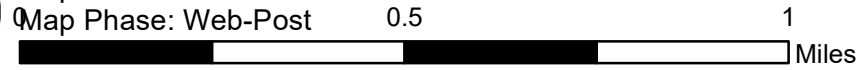
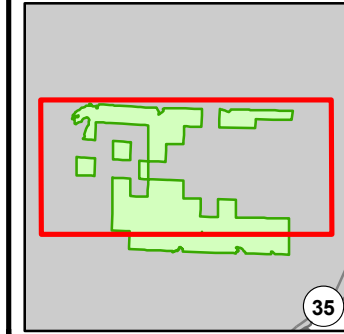


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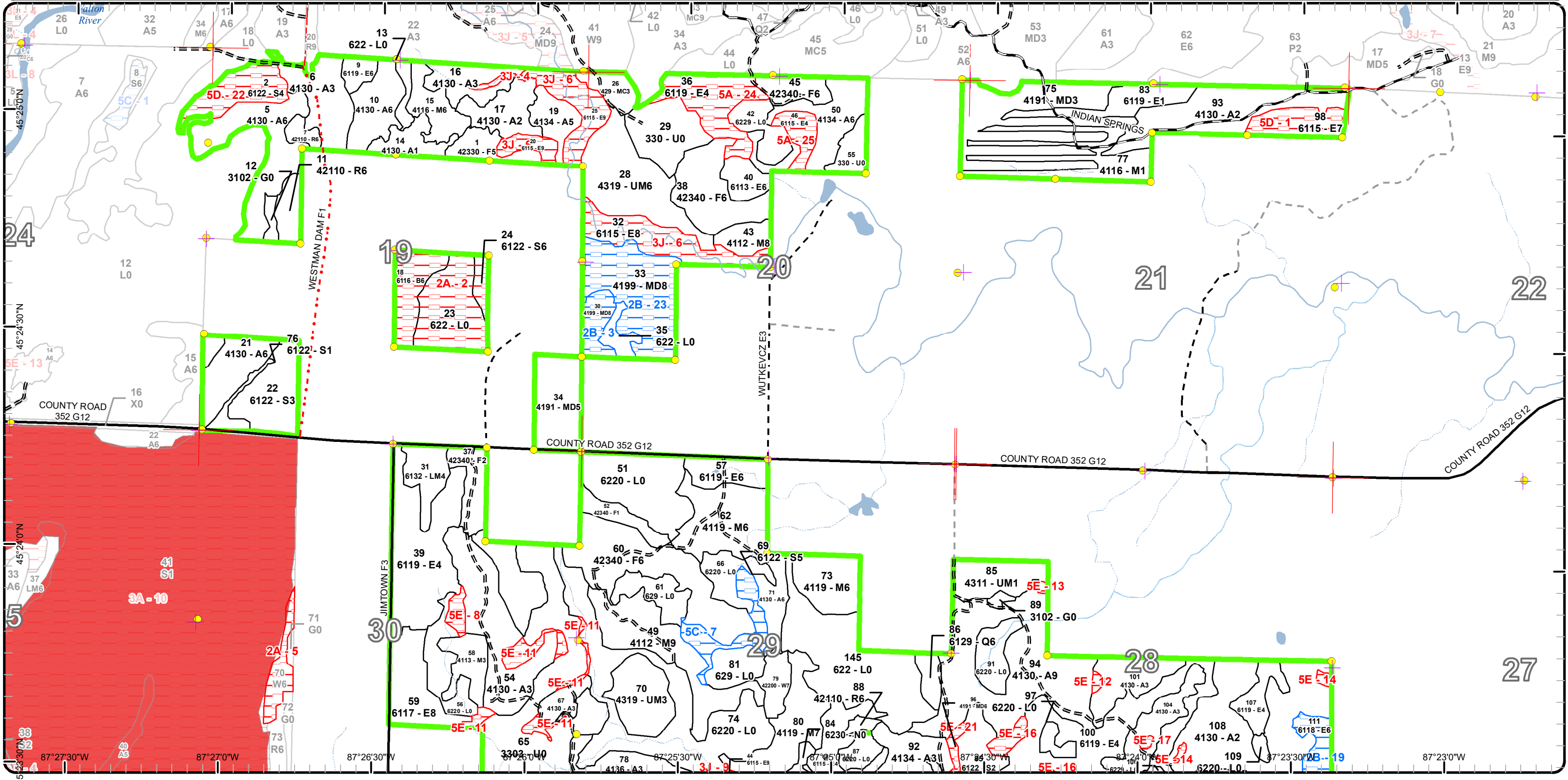


Special Conservation Areas

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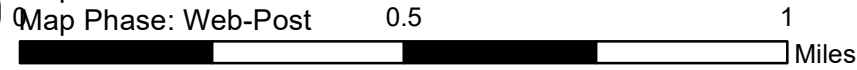


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- Available w/ Constraints
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- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes

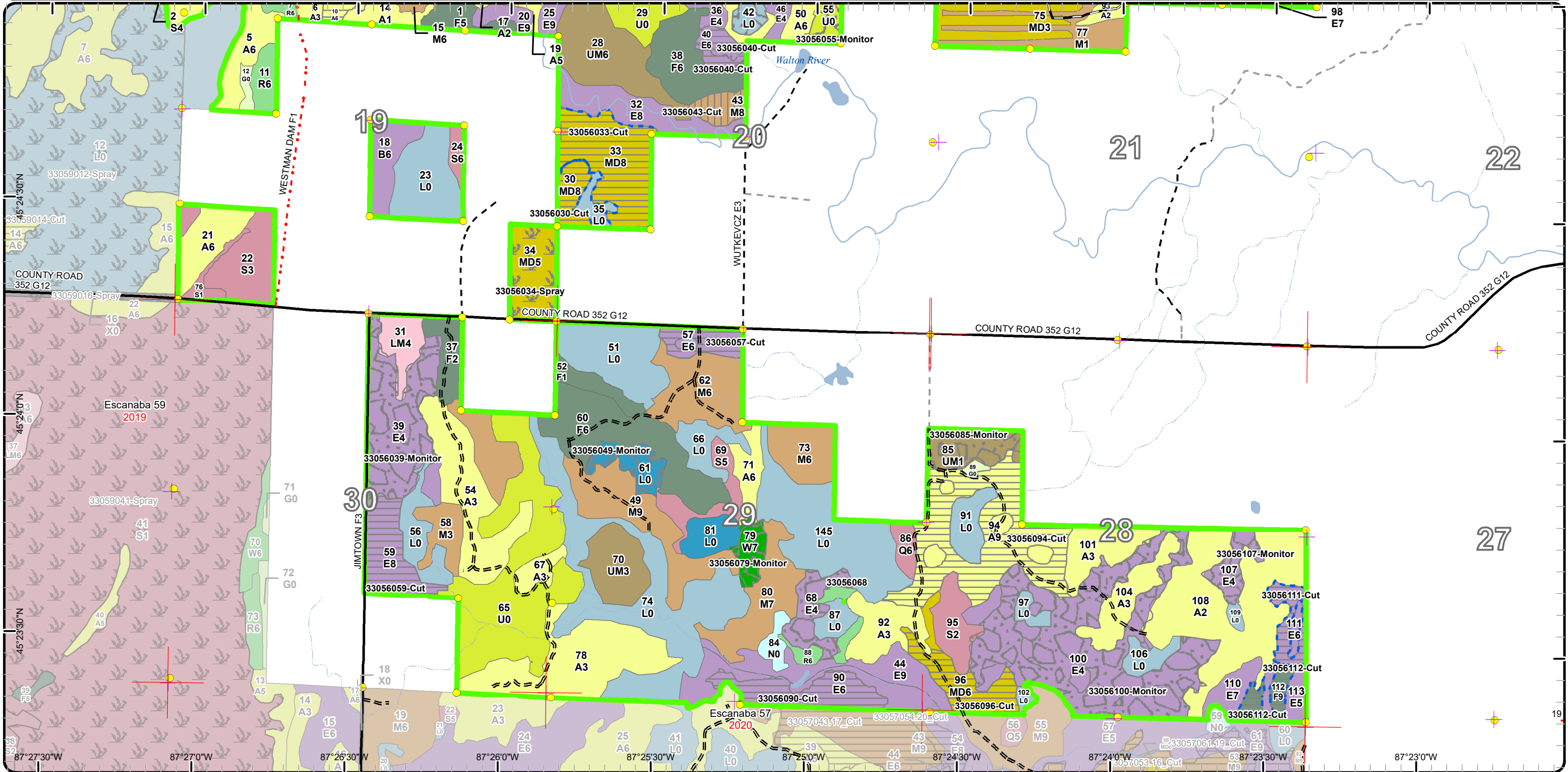


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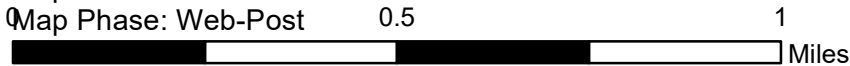
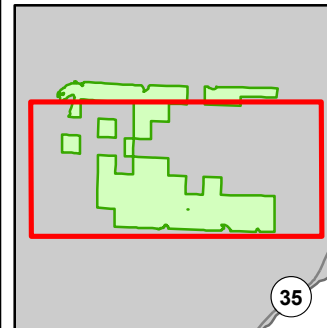
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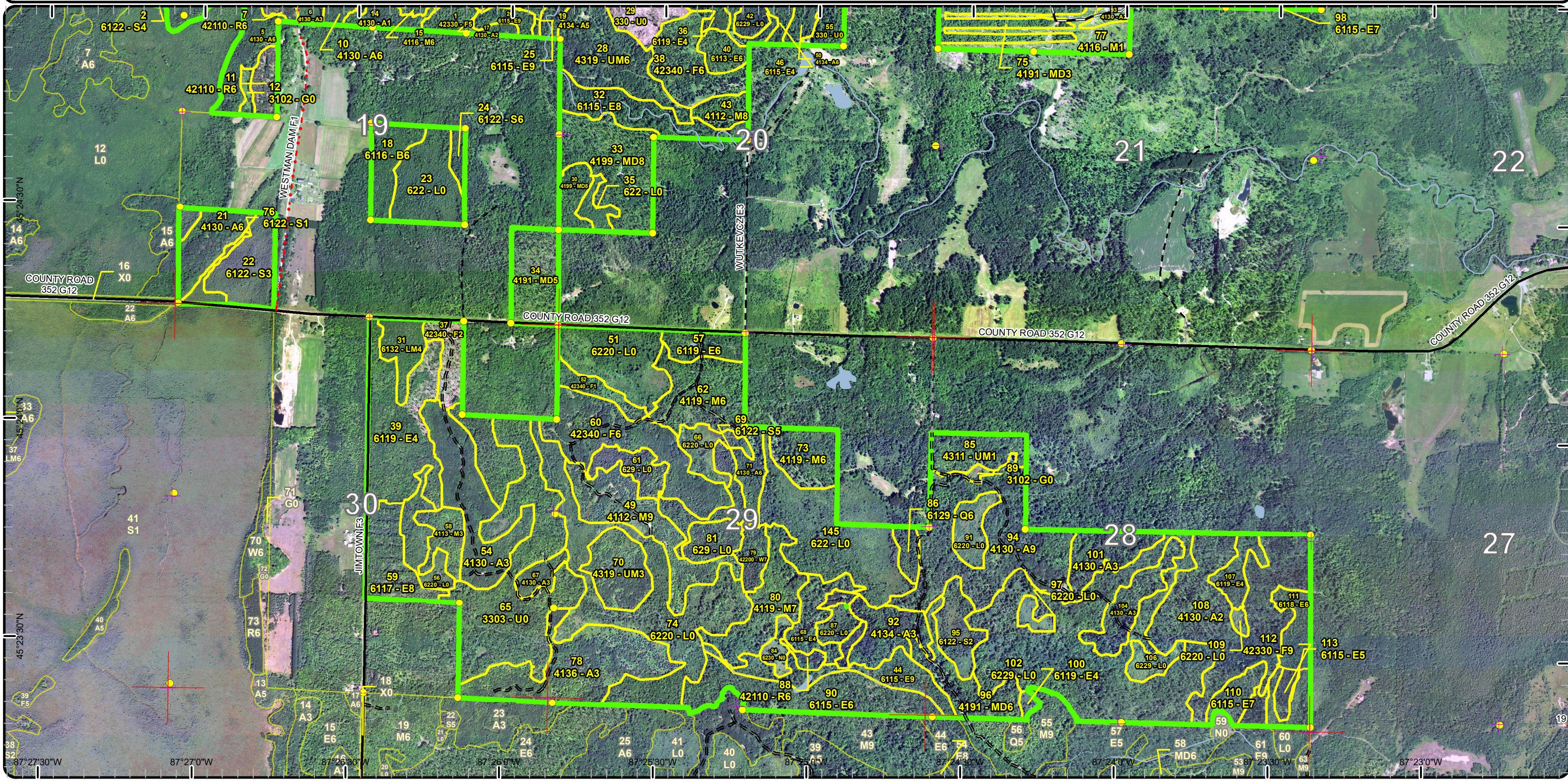
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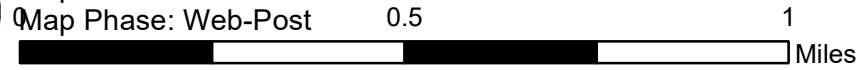
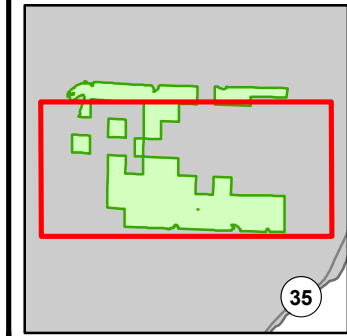


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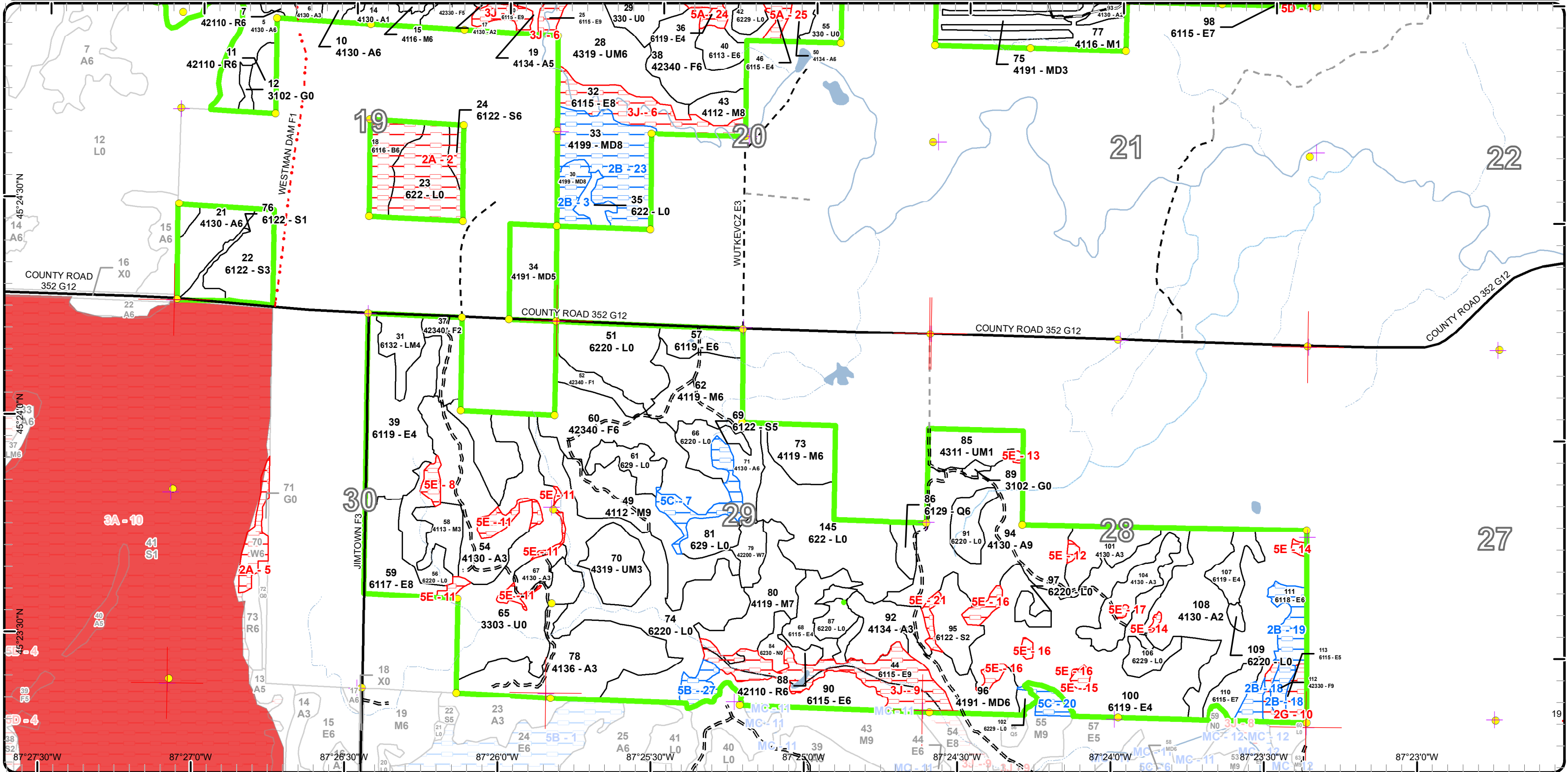


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- Available w/ Constraints
- Unavailable
- Cold Water Streams
- Cold Water Lakes
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas



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	198	0	49	89	29	76	0	0	0	0	0	0	0	0	0	0	0	440
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Lowland Conifers	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Deciduous	0	13	0	0	0	0	0	0	32	291	37	0	0	0	0	0	0	0	373
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11
Lowland Shrub	253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	253
Lowland Spruce/Fir	0	0	0	0	0	17	25	0	0	26	0	0	0	0	0	0	0	0	68
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	44	0	0	0	0	0	80	0	0	0	0	0	0	0	0	124
Northern Hardwood	0	23	0	0	0	10	11	0	0	118	0	0	0	0	0	0	0	0	162
Paper Birch	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Red Pine	0	0	0	0	10	7	0	0	0	0	0	0	0	0	0	0	0	0	16
Upland Conifers	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	15	0	18	33	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Upland Spruce/Fir	0	10	0	46	38	0	7	0	0	0	0	0	0	0	0	0	0	0	101
White Pine	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Total	354	259	0	164	170	68	119	0	45	515	55	0	0	0	0	0	0	0	1747



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 56

Total Compartment Acres: 1,746

Commercial Harvest - 150
 Harvests with Site Condition - 57
 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	70	0	0	0	0	0	0	0	0	70
Lowland Deciduous	66	0	0	0	0	0	0	0	0	66
Mixed Upland Deciduous	58	0	0	0	0	0	0	0	0	58
Northern Hardwood	0	0	0	0	7	0	0	0	0	7
Upland Spruce/Fir	7	0	0	0	0	0	0	0	0	7
Total	201	0	0	0	7	0	0	0	0	207

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	207	0	0	0	0	20	196	0	0	424
Next Step	0	0	0	0	0	0	228	0	0	228
Total	207	0	0	0	0	20	424	0	0	651



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:

9	33056009-Cut	4.3	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	76	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut: Cut all trees 3 inches and greater. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed deciduous and conifer species. <u>Regen:</u> <u>Other</u> May leave out a pocket of smaller with some sub merchantable timber on the east portion of the stand. <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2022</p>											
10	33056010-Cut	15.2	4130 - Aspen	Poletimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention: Cut all trees 3 inches and greater in dbh. Leave retention determined at the time of sale preparation. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed deciduous and conifer species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2022</p>											
30	33056030-Cut	7.9	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	85	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut: Cut all merchantable trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Ash, mixed deciduous and conifer species. <u>Regen:</u> <u>Other</u> Access through the private to the east. This is a mixed upland/lowland stand. <u>Comment:</u> <u>Site Condition</u> Unknown Access Proposed Start Date: 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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33	33056033-Cut	34.4	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	85	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clearcut with retention: Overstory removal over the regeneration. Cut all merchantable trees except cedar and trees marked with green paint. The marked trees will be larger diameter trees of maple, ash, birch or the existing overstory. Mark the leave trees to protect the higher pockets of regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed deciduous and conifer species.

Regen:

Other Site condition: Access through the private landowner to the east. The regeneration is coming in decent here with balsam fir, red maple and

Comment: a mix of other species. Encourage more regeneration and protect the existing regeneration coming in.

Site Condition Unknown Access

Proposed Start Date: 10/1 /2022

34	33056034-Spray	20.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	85	1-50	Pesticide	Hand Application	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription Spray for phragmite found off G-12.

Specs:

Next Step Monitoring, Herbicide Use

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

40	33056040-Cut	5.7	6113 - Lowland Maple	Poletimber Well	90	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Clearcut with retention: Cut all trees except leave out any areas with a defined creek bottom.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, ash and mixed deciduous and conifer species.

Regen:

Other Drainage and wet areas. Utilize the leaf off imagery to determine any retention areas.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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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
43 33056043-Cut	6.8	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	86	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Shelterwood. Harvest all trees merchantable trees except leave all hemlock and any pine. Mark some of the larger diameter red maple around the heaviest advanced regeneration.</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> maple, mixed conifer species.</p> <p><u>Regen:</u></p> <p><u>Other</u> More pole timber to the south with a few pockets of hemlock to the north and east. This stand is down in a depression. The maple will stump sprout however the heavy browsing will deter significant red maple regeneration. The stand is heavy to mixed conifer regeneration which will be enhanced by harvest and maple will be a component. Mature pine will be left if found here.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
57 33056057-Cut	9.1	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	85	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clear cut with retention: Cut all trees leaving retention around the ponding area.</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> maple, mixed conifer and deciduous species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Salvaging the ash and trying for maple, conifer and mixed mixed deciduous regeneration.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
59 33056059-Cut	19.2	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	80	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention: Cut all merchantable trees retaining out some of the lowest areas where there is no timber. Leave some pine.</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> Mixed deciduous and conifer species.</p> <p><u>Regen:</u></p> <p><u>Other</u> The stand has upland areas but should be harvested in the winter months. This stand is mixed of ages and sizes. Previous strip cut.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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68	33056068	12.1	6115 - Lowland Ash	Poletimber Poor	78	1-50	Monitoring	Natural Regen (Re-Inventory)	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Monitor regeneration of any mix of hardwoods or species within the stand.

Specs:

Next Step

Treatments:

Acceptable Any mix of the overstory species.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

94	33056094-Cut	54.6	4130 - Aspen	Sawtimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention: Leave retention determined at the time of sale prep. Leave at least some of the large white pine for a seed source.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple and mixed upland conifer species.

Regen:

Other

Comment: The best access is through private from the north from same landowner that allowed access for Fourth Quarter sale. The retention is approximate and will be determined at time of sale preparation. These patches should be approximately 1 to 3 acres and close to 10% of the sale acres.

Site Condition

Proposed Start Date: 10/1 /2022

96	33056096-Cut	16.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clearcut with retention: Cut all trees 3 inches and greater except leave retention. Leave any minor component pine, hemlock and cedar if found.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple and mixed conifer species.

Regen:

Other

Comment: Retention is approximate and retains out the area with smaller red maple.

Site Condition

Proposed Start Date: 10/1 /2022



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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
111 33056111-Cut	8.1	6118 - Lowland Deciduous with Cedar	Poletimber Well	90	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention: Cut all trees except leave a retention pocket with cedar. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed deciduous and conifer species. <u>Regen:</u> <u>Other</u> This stand is in conditional range and has a canopy composition of 20% cedar. Much of the cedar is scattered, and lacking in shelter qualities. The biologist and forester identified winter shelter area to be excluded from harvest. The remainder of the stand will be treated. Most of the cedar is scattered and in the understory. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2022</p>										
112 33056112-Cut	6.9	42330 - Upland Fir	Sawtimber Well	58	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut: Cut all trees 3 inches and greater. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer and deciduous species. <u>Regen:</u> <u>Other</u> Access through state is possible. Limiting factor of permission through private due to not being reasonable to come from the south. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2022</p>										

Approved Treatments:

39 33056039-Monitor	40.5	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	85	81-110	Monitoring	Natural Regen (Re-Inventory)	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
<p><u>Prescription</u> Monitor the regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> any mix of the overstory species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2030</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
42 33056042-Monitor	9.6	6229 - Mixed lowland shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Monitor the regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> black spruce, mixed deciduous and conifer species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020</p>										
61 33056049-Monitor	8.9	629 - Mixed non-forested wetland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6122 - Black Spruce	Two-Aged	No
<p><u>Prescription</u> Monitor the regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> black spruce and any mix of the overstory soecies. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2030</p>										
55 33056055-Monitor	6.1	330 - Low-Density Trees	Nonstocked		Immature	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> monitor the regeneration <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> mixed conifer and deciduous species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2030</p>										
79 33056079-Monitor	6.5	42200 - Natural White Pine	Sawtimber Poor	90	1-50	Monitoring	Natural Regen (Re-Inventory)	42201 - Natural White Pine, Mixed Deciduous	Two-Aged	No
<p><u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> pine and mixed upland forest type. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 9 /25/2019</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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85	33056085-Monitor	14.0	4311 - Pine, Aspen Mix	Sapling Poor	5	Immature	Monitoring	Natural Regen (Re-Inventory)	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Monitor the regeneration. Currently filling in with aspen and balsam fir and white pine. No stump sprouting of the red maple or seeding.

Specs:

Next Step

Treatments:

Acceptable maple, aspen, mixed conifers.

Regen:

Other Comment: Monitor the regeneration success for 2033 inventory cycle. Look at the feasibility of planting to red pine if it does not become closer to fully stocked.

Site Condition

Proposed Start Date: 10/1 /2031

90	33056090-Cut	19.1	6115 - Lowland Ash	Poletimber Well	85	Unspecified	Harvest	Clearcut with Retention	6115 - Lowland Ash	Even-Aged	No
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Prescription Due to the threat of EAB it has been decided to salvage the ash in this stand.

Specs: This stand will be treated with a clearcut harvest, cutting all trees greater than 3" dbh, leaving a few large trees and all cedar. A buffer of 100 feet will be placed on the unnamed creek to the north.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of the overstory species.

Regen:

Other Comment: This stand has small poriton cut under previous contract before being turned back. Redo lines and ensure treatment is carried out as written above in specifications.

Site Condition

Proposed Start Date: 10/1 /2020

100	33056100-Monitor	90.4	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	85	1-50	Monitoring	Natural Regen (Re-Inventory)	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Monitor the regeneration.

Specs:

Next Step

Treatments:

Acceptable MIXED DECIDUOUS AND MIXED CONIFER REGENERATION.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2030



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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
107 33056107-Monitor	8.1	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	76	1-50	Monitoring	Natural Regen (Re-Inventory)	6115 - Lowland Ash	Even-Aged	No
<p><u>Prescription</u> Monitor the regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Lowland deciduous.</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> 10/1 /2030</p>										

Total Treatment 423.7
Acreage Proposed:

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine: Examiner

Compartment: 56
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
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Dominant Site Conditions

				2B	5B	5C	2A	2G	3J	5A	5D	5E		
440	436	0	4	Aspen									3	
4	4	0	0	Herbaceous Openland										
93	84	0	9	Low-Density Trees									9	
5	5	0	0	Lowland Conifers										
373	233	15	125	10	5			7	70	26	11	10		
11	11	0	0	Lowland Mixed Forest										
253	229	0	24	Lowland Shrub										
67	38	11	19	Lowland Spruce/Fir									15	
4	4	0	0	Marsh										
125	80	42	2	42	Mixed Upland Deciduous									2
161	161	0	1	Northern Hardwood										
13	0	0	13	Paper Birch										
17	17	0	0	Red Pine										
7	7	0	0	Upland Conifers										
66	65	0	1	Upland Mixed Forest									1	
102	95	7	0	7	Upland Spruce/Fir									
7	7	0	0	White Pine										
1,746	1,474	75	197	59	5	11	40	7	71	26	27	25		
	84%	4%	11%	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	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Scattered timber and lack of volume to be worth a timber harvest. This stand could be a lowland brush 0-25% canopy.							
2	Unavailable	2A: Adjacent landowner denied access	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 56
Year of Entry: 2023

3	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access through private landowner to the east.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: There is a small drain that flows this portion of the stand, that was buffered and it provides long term retention.							
5	Unavailable	2A: Adjacent landowner denied access	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ to creek							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Try to get into any merchantable timber when stand 71 is harvested.							
8	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
 Dan Racine : Examiner

Compartment: 56
 Year of Entry: 2023

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: RMZ to creek.</p>							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: This stand is very wet and full lowland brush understory.</p>							
11	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine: Examiner

Compartment: 56
Year of Entry: 2023

16	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is small diameter. Look to treat this stand with stand 55 of compartment 57.							
21	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
 Dan Racine : Examiner

Compartment: 56
 Year of Entry: 2023

22	Unavailable	5D: Unproductive Forest Land	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2B: Unknown if access through adjacent landowner(s) is possible	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access through the private landowner to the east.							
24	Unavailable	5A: Not able to obtain desirable regeneration	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Not much timber and mainly a lowland brush stand in many areas.							
25	Unavailable	5A: Not able to obtain desirable regeneration	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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	42330 - Upland Fir	Poletimber Medium	8.1	22	1-50	N/A	This stand one, stand 17 and stand 19 were one stand. Stand 17 was clearcut in 2017 and the remaining stand 1 and 19 were not cut due to limited actual merchantable volumes. Stand 19 is similar but with more aspen than balsam fir.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		30	Pole	8		Red Maple		Medium	10 - 20 feet	Sapling
Quaking Aspen		5	Sapling/Pole	3		Quaking Aspen		Medium	10 - 20 feet	Sapling
Balsam Fir		60	Pole/Sapling	5	22	Balsam Fir		High	10 - 20 feet	Sapling
White Spruce		5	Pole/Sapling	7		Tag Alder	Low	5 - 10 feet	Tall Shrub	
2	6122 - Black Spruce	Poletimber Poor	15.2	80	1-50	N/A	No timbered areas with tag alder and lowland brush and smaller diameter black spruce.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		100	Pole/Sapling	6	80	Black Spruce		Medium	5 - 10 feet	Sapling
						Tag Alder	High	5 - 10 feet	Tall Shrub	
5	4130 - Aspen	Poletimber Well	28.8	40	Unspecified	N/A	Aspen with diameters ranging from 6 up to 9 inches. Scattered cherry and ironwood and some red maple in the overstory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		80	Pole	7	40	Red Maple		High	10 - 20 feet	Sapling
Bigtooth Aspen		20	Pole	7						
6	4130 - Aspen	Sapling Well	18.7	8	Immature	N/A	Stand was clearcut in 2013 on contract 024-12-01. All species were cut; except white pine, beech, and elm.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		20	Sapling/Pole	1	8	White Pine		Low	10 - 20 feet	Sapling
Quaking Aspen		80	Sapling	1	8					
7	42110 - Planted Red Pine	Poletimber Well	3.4	39	111-140	N/A	Red pine plantation that was planted in 1982. This stand had every third row harvested in 2015 on contract 024-12-01. Thinning the next treatment period.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		100	Pole	9	39					
9	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	4.3	76	51-80	N/A	The East end of the stand is smaller red maple and some scattered 10-12 inch dbh. The west side is more log sized material. The stand is more lowland than upland.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		35	Log	12		Red Maple		Medium	10 - 20 feet	Sapling
Quaking Aspen		10	Log/Pole	10		Black Ash		Medium	10 - 20 feet	Sapling
Black Ash		5	Pole	6		Green Ash		Medium	10 - 20 feet	Sapling
Green Ash		50	Pole	8	76	Tag Alder	Medium	10 - 20 feet	Tall Shrub	
10	4130 - Aspen	Poletimber Well	15.2	55	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Log/Pole	10		Sugar Maple		Medium	10 - 20 feet	Sapling
Quaking Aspen		60	Pole	9	55	Red Maple		High	10 - 20 feet	Sapling
Balsam Fir		5	Pole	9		Quaking Aspen		Medium	10 - 20 feet	Sapling
White Spruce		5	Pole	9		Balsam Fir		Medium	5 - 10 feet	Sapling
Bigtooth Aspen		20	Pole	9						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
11	42110 - Planted Red Pine	Poletimber Well	7.0	39	81-110	N/A	Red pine plantation that was planted in 1982. This stand had every third row harvested in 2015 on contract 024-12-01.																																													
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12	3102 - Grass	Nonstocked	2.3		Unspecified	No	filling in with scattered red pine and couple little beach seedlings underneath a couple scattered iron wood trees																																													
13	622 - Lowland Shrub	Nonstocked	3.3		Unspecified	No																																														
14	4130 - Aspen	Sapling Poor	8.5	3	Immature	N/A	Stand was clearcut in 2018 on contract 033-17-01. This stand was prescribed for harvest following the 2016 SBW review. The stand should regenerate with aspen, red maple, and spruce/fir.																																													
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15	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	11.1	50	51-80	N/A	The south end of the stand is 50-75% with 12 and 14 inch red maple and lowland brush. The middle of the stand is 5 to 6 inch red maple. The north end is smaller red maple with some scattered larger diameter aspen. Look at treatment over the next few treatment periods.																																													
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16	4130 - Aspen	Sapling Well	12.9	7	Immature	N/A	Stand was clearcut in 2015 on contract 024-12-01. All species were cut; except white pine, beech, and elm.																																													
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17	4130 - Aspen	Sapling Medium	12.8	4	Immature	N/A	Stand was clearcut in 2018 on contract 033-17-01. This stand was prescribed for harvest following the 2016 SBW review. The stand is regenerating with aspen, red maple, and spruce/fir.																																													
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18	6116 - Lowland Birch	Poletimber Well	13.2	76	111-140	N/A	Paper birch, red maple, and green ash log/pole. Understory of green ash, tag alder and red maple.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	4134 - Aspen, Spruce/Fir	Poletimber Medium	8.9	22	1-50	N/A	sap and pole stand. This stand is higher to aspen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole	8		Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen		60	Sapling/Pole	4	22	Quaking Aspen	Medium	10 - 20 feet	Sapling
Balsam Fir		20	Pole/Sapling	5		Balsam Fir	High	10 - 20 feet	Sapling
White Spruce		5	Pole/Sapling	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
20	6115 - Lowland Ash	Sawtimber Well	5.0	80	81-110	N/A	There is a drain/creek off the Walton River that goes through the middle of the stand. This is apparent in the DOQ imagery. When stand 1 and 17 are harvested there may be some to go after.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole	9		Red Maple	Medium	10 - 20 feet	Sapling
Paper Birch		2	Pole	9		Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir		5	Pole	8		Green Ash	Medium	10 - 20 feet	Sapling
Northern White Cedar		3	Pole	9					
Black Ash		5	Pole	7					
Green Ash		75	Log/Pole	12	80				
21	4130 - Aspen	Poletimber Well	15.3	35	Unspecified	N/A	This is an aspen stand that will be ready for harvest in 2 treatment periods.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Log	9		Beech	Low	5 - 10 feet	Sapling
Quaking Aspen		80	Pole/Sapling	7	35	Balsam Fir	Medium	< 5 feet	Sapling
Green Ash		10	Pole	7		Black Cherry	Low	10 - 20 feet	Sapling
						Tag Alder	Low	5 - 10 feet	Tall Shrub
22	6122 - Black Spruce	Sapling Well	21.4	58	Unspecified	N/A	Small diameter black spruce with some non timbered pockets. Tamarack within the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		90	Sapling/Pole	4	58	Black Spruce	High	5 - 10 feet	Sapling
White Pine		10	Pole	7					
23	622 - Lowland Shrub	Nonstocked	23.6		Unspecified	No	Predominately lowland brush(buckthorn). Islands of Red maple, White birch, Balsam fir are scattered throughout. There are pockets of Cedar and Tamarack located within this stand.		
24	6122 - Black Spruce	Poletimber Well	3.6	56	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		90	Pole	7	56	Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack		10	Pole	6		Tamarack	Medium	5 - 10 feet	Sapling
						Tag Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
25	6115 - Lowland Ash	Sawtimber Well	14.0	80	111-140	N/A	This stand is a riparian corridor. The Walton River flows through this stand.																																														
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26	429 - Mixed Upland Conifers	Sapling Well	6.9	22	1-50	N/A	Scattered paper birch in the understory and a few scattered red maple in the under story as well. The larger diameter white pine over the aspen, balsam fir, and red maple and spruce. Some scattered log sized red maple in the overstory.																																														
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28	4319 - Mixed Upland Forest	Poletimber Well	33.0	31	1-50	N/A	A pocket of ash closer to the river. Phragmites.																																														
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29	330 - Low-Density Trees	Nonstocked	18.3	0	Unspecified	6122 - Black Spruce	The stand is coming back decent with black spruce seedlings in the lowland areas and white pine and balsam fir in the upland areas. Upland/lowland site.																																														
30	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	7.9	85	51-80	N/A	Stand treated in 08', contract 330350301, G-12 north. Stand is regenerating to Rm, Fb, Ash, Fs. Regen check= passed																																														
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31	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	10.6	98	1-50	N/A	Lowland. North part contains more cedar less ash, south part contains more ash less cedar. Cedar is in decline. Very wet in north part.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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32 6115 - Lowland Ash Sawtimber Medium 20.7 85 51-80 N/A Small stream runs through stand. Wet ash swale on either side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Pole	9		Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	3	Pole	9		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Green Ash	95	Log	12	85				

33 4199 - Other Mixed Upland Deciduous Sawtimber Medium 34.4 85 1-50 N/A Stand was treated in 2008 under contract 33-35-03-01, G-12 North Sale. Adequate regen of ash, Rm, Fb. Leave trees were marked and left. Some Phragmites is located in NW part of stand. Passed Regen Check.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	10		Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	10	Pole	9		Beech	Low	< 5 feet	Sapling
Northern White Cedar	10	Pole	8		Balsam Fir	Medium	< 5 feet	Sapling
Green Ash	40	Log/Pole	10	85	Green Ash	Medium	5 - 10 feet	Sapling

34 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 20.1 85 1-50 N/A Stand was treated in 2008, under contract 33-035-03-01, G-12 North. Residual BA= 1-50. Regen is mix of Red maple, Ash, balsam fir, white spruce, white pine, with mostly red maple. North part of stand is wet and drainage being wet in fall and spring. Areas of lowland are found throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole	9		Red Maple	Medium	10 - 20 feet	Sapling
Paper Birch	5	Pole	8		Beech	Low	5 - 10 feet	Sapling
Northern White Cedar	10	Pole	9		Balsam Fir	High	< 5 feet	Sapling
White Pine	5	Log	12		White Pine	Medium	< 5 feet	Sapling
Hemlock	5	Pole	8		Green Ash	Medium	10 - 20 feet	Sapling

35 622 - Lowland Shrub Nonstocked 4.5 Unspecified No

36 6119 - Mixed Lowland Deciduous Forest Poletimber Poor 19.8 90 1-50 N/A Very heavy to tag alder in the understory. Previously a lowland brush stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	45	Pole	8	90	Tag Alder	Full	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	7		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Black Spruce	3	Pole	7					
Northern White Cedar	5	Pole	7					
Tamarack	2	Pole	9					
Black Ash	10	Pole	7					
Green Ash	30	Pole	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
37	42340 - Upland Spruce/Fir	Sapling Medium	10.4	5	1-50	N/A	This stand was unit 2 of the Mosquito Haven sale. Shelterwood harvest was done. Residual Maple and paper birch.																																																						
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Red Maple	15	Sapling	1																																																										
38	42340 - Upland Spruce/Fir	Poletimber Well	23.1	31	Immature	N/A	Treated in 1990, Walton River North. Stand is filling in with White pine, balsam fir, white spruce.																																																						
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39	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	43.1	85	81-110	N/A	This stand was cut under the Mosquito Haven sale completed in 2018. Stands 39 and 41 were all unit 1 and merged together into stand 39.																																																						
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40	6113 - Lowland Maple	Poletimber Well	7.1	90	51-80	N/A	Ash/maple stand.																																																						
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42	6229 - Mixed lowland shrub	Nonstocked	9.6	0	Unspecified	6122 - Black Spruce	This stand has been cut under the running bear sale completed in 2015.																																																						
43	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	6.8	86	51-80	N/A	West side contains more hemlock, lots of Fb and some Wp in understory.																																																						
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44	6115 - Lowland Ash	Sawtimber Well	18.9	85	111-140	N/A	Green and black ash with log to pole sized trees. Some scattered balsam fir and spruce in the understory with tag alder.																																																			
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45	42340 - Upland Spruce/Fir	Poletimber Well	7.8	37	Unspecified	N/A																																																				
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49	4112 - Maple, Beech, Cherry Association	Sawtimber Well	44.0	85	81-110	N/A	Recently treated 2006, G-12 south sale.																																																			
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50	4134 - Aspen, Spruce/Fir	Poletimber Well	20.2	37	Unspecified	N/A	Mostly aspen with pockets of balsam fir, white spruce. Pocket of Tamarack on NW edge of stand.																																																			
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51	6220 - Alder/willow	Nonstocked	28.5		Unspecified	No	Scattered trees with more trees to the north. Pure lowland brush to the south with pockets of timber along G-12. Mixed LO/E4.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52	42340 - Upland Spruce/Fir	Sapling Poor	7.0	30	1-50	N/A	lots of lowland shrub here
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Sapling	3		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	2	Sapling	3		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	5	Sapling	4					
Balsam Poplar	5	Sapling	4					
Balsam Fir	45	Sapling	4	30				
White Spruce	30	Pole/Sapling	5					
Tamarack	10	Pole/Sapling	5					

54	4130 - Aspen	Sapling Well	34.4	27	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	3		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	75	Sapling/Pole	3	27	White Spruce	Low	< 5 feet	Sapling
Balsam Fir	5	Sapling/Pole	3		White Pine	Low	< 5 feet	Sapling
White Spruce	5	Sapling/Pole	3					
White Pine	5	Sapling/Pole	3					

55	330 - Low-Density Trees	Nonstocked	6.5		Immature	429 - Mixed Upland Conifers	Filling in with white pine, black spruce and balsam fir. This stand should regenerate and continue to fill in over time.
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56	6220 - Alder/willow	Nonstocked	12.2		Unspecified	No	Wet stand lowland brush.
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57	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	10.2	85	51-80	N/A	Pond in middle of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	10		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	9					
Northern White Cedar	5	Pole	8					
Green Ash	50	Pole	9	85				

58	4113 - R.Maple, Conifer	Sapling Well	9.9	45	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Sapling	3	45	Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	20	Pole/Sapling	6		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Pole/Sapling	6		White Spruce	Medium	5 - 10 feet	Sapling
White Spruce	10	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
59	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	19.2	80	51-80	N/A	Area was treated using the strip cut method. Areas that were left contain Ash, Red maple, White birch, Aspen, and balsam fir with understory of balsam fir and tag alder. Areas that were harvested contain a variety of spp. Ash, White pine, Red maple, balsam fir and Tag alder. As you move north through the stand harvested areas contain more White pine and balsam fir and less tag alder and ash. Balsam poplar here.																																																											
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60	42340 - Upland Spruce/Fir	Poletimber Well	38.4	28	Immature	N/A	South edge of stand is Tamarack, white spruce, and balsam fir. Stand also contains white pine.																																																											
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61	629 - Mixed non-forested wetland	Nonstocked	9.9	0	Unspecified	6122 - Black Spruce	This stand was unit 1 of the 4th quarter sale.																																																											
62	4119 - Mixed Northern Hardwoods	Poletimber Well	27.3	85	51-80	N/A	Treated in 2006 under contract 330350301, G-12 South sale. Look at treatment in the next treatment period.																																																											
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65	3303 - Mixed Low Density Trees	Nonstocked	67.8	0	Unspecified	613 - Lowland Mixed Forest	This stand was unit 3 of the Mosquito Haven sale. The smaller ash was left.																																																											
66	6220 - Alder/willow	Nonstocked	9.7		Unspecified	No	Lowland brush and little timber.																																																											



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67	4130 - Aspen	Sapling Well	5.5	27	Immature	N/A																																													
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68	6115 - Lowland Ash	Poletimber Poor	12.3	78	1-50	N/A	This stand was unit 4 of the 4th Quarter sale completed in 2017. Unit 7 of the 4th Quarter sale was south of the creek/drainage originally part of this stand. The stand to the south of the creek is now unit 4 of the compartment 57 sale prepared in 2021. Green and black ash here.																																												
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69	6122 - Black Spruce	Poletimber Medium	10.7	88	Unspecified	N/A	black spruce and tamarack and areas without any merchantable timber.																																												
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70	4319 - Mixed Upland Forest	Sapling Well	17.8	23	1-50	N/A	A mixed stand with balsam fir and white and black spruce and more aspen than any species.																																												
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71	4130 - Aspen	Poletimber Well	8.6	34	Immature	N/A	Aspen stand that may be ready in the next treatment period. A few scattered tamarack.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
74	6220 - Alder/willow	Nonstocked	68.1		Unspecified	No	Buckthorn, tag alder with scattered ash,Wb, and Fs. South end contains a pole sized (1-2 acre) of E6. This south part will be harvested when the stand in the compartment to the south is treated.

75	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	43.8	28	1-50	N/A	Patches of balsam poplar, balsam fir, spruce, paper birch and aspen: Mixed stand
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	3		Balsam Poplar	High	5 - 10 feet	Sapling
Quaking Aspen	25	Sapling/Pole	4		Balsam Fir	High	5 - 10 feet	Sapling
Balsam Poplar	40	Sapling/Pole	4	28	White Spruce	High	5 - 10 feet	Sapling
Balsam Fir	10	Sapling/Pole	4		Tag Alder	High	5 - 10 feet	Tall Shrub
White Spruce	5	Sapling	3					
Tamarack	5	Sapling/Pole	4					
White Pine	5	Sapling	3					
Green Ash	5	Sapling/Pole	4					

76	6122 - Black Spruce	Sapling Poor	3.9	45	Unspecified	N/A	This stand was impacted by fire. The fire occurred in 1976. The stand is filling in with black spruce and tamarack. There is also patches of jack pine throughout the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	75	Sapling	2	45	Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack	5	Sapling	3		Tamarack	Medium	5 - 10 feet	Sapling
Jack Pine	20	Sapling	4					

77	4116 - Mixed N. Hardwood - Aspen	Sapling Poor	22.7	7	Immature	N/A	Stand was clearcut in 2014 on contract Q21-12-01. All species were cut; except some scattered species were marked to retain.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Sapling	1	7	Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	20	Sapling	1	7	White Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	10	Sapling/Pole	4	36	White Pine	Low	5 - 10 feet	Sapling
Green Ash	10	Sapling	1	7				

78	4136 - Aspen, Mixed Conifer	Sapling Well	44.6	31	Immature	N/A	Mostly aspen with red maple and pockets of lowground areas. The west edge upland spruce/fir pocket. Maybe higher balsam fir overall.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Sapling	3		Balsam Fir	Low	< 5 feet	Sapling
Paper Birch	2	Sapling	4		White Spruce	Low	< 5 feet	Sapling
Quaking Aspen	45	Sapling	3	31	White Pine	Low	< 5 feet	Sapling
Balsam Fir	10	Sapling	4					
White Spruce	5	Sapling	4					
Tamarack	3	Sapling	3					
White Pine	5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
79	42200 - Natural White Pine	Sawtimber Poor	7.2	90	1-50	N/A	This stand was unit 2 of the Fourth Quarter sale. Marked pine and all other trees cut.																																					
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80	4119 - Mixed Northern Hardwoods	Sawtimber Poor	23.6	85	1-50	N/A	This stand was unit 3 of the Fourth quarter sale with red maple left throughout. Stand was more of a shelterwood cut. Upland stand with red maple and lowland areas with ash and maple. Sine black spruce and black ash coming in. Heavy browsing on the red maple stump sprouting.																																					
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81	629 - Mixed non-forested wetland	Nonstocked	8.9	0	Unspecified	6122 - Black Spruce	This stand was east part of unit 1 of the Fourth Quarter sale. There is a decent amount of black spruce and tamarack coming in. Scattered black spruce and tamarack seed trees.																																					
83	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	12.6	7	Immature	N/A	Stand was clearcut in 2014 on contract 021-12-01. All species were cut; except some scattered species were marked to retain.																																					
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84	6230 - Cattail	Nonstocked	4.4		Unspecified	No	Scattered trees with cattails.																																					
85	4311 - Pine, Aspen Mix	Sapling Poor	14.7	5	Immature	N/A	This stand was unit 8 of the Fourth Quarter sale competed in 2017. The stand is filling in with balsam fir, white pine and aspen. I did not see any red maple stump sprouts. Continue the monitor treatment here and look to plant Red Pine if needed to fill in.																																					
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86	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	5.0	40	Unspecified	N/A	This stand has large diameter white pine logs around the edge.																																					
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87	6220 - Alder/willow	Nonstocked	5.1		Unspecified	No	Scattered ash and red maple																																					



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88	42110 - Planted Red Pine	Poletimber Well	6.5	45	81-110	N/A	Unit 5 of the Fourth Quarter sale. BA in the 80-100 range																																																							
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89	3102 - Grass	Nonstocked	1.3		Unspecified	No	The stand is filling in with white pine, balsam fir and other mixed conifers.																																																							
90	6115 - Lowland Ash	Poletimber Well	35.9	85	Unspecified	N/A	Original stand was unit 4 to the north of the creek and south of the creek of this stand was unit 7 of the fourth quarter sale. Unit 4 was completed of the fourth quarter and unit 7 to south of creek was not except for a few acres were cut. The contractor decided he could not finish the unit and comply with rutting specification. Decision to move the treatment for south of creek of this stand to the stands in compartment 57 which will lessen amount of narrow skids all to the west.																																																							
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91	6220 - Alder/willow	Nonstocked	9.5			No	A few scattered green ash within the stand.																																																							
92	4134 - Aspen, Spruce/Fir	Sapling Well	15.9	3	Immature	N/A	Unit 6 of the Fourth Quarter sale completed in 2018.																																																							
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93	4130 - Aspen	Sapling Medium	32.7	7	Immature	N/A	Stand was clearcut in 2014 on contract 021-12-01. All species were cut; except pine, spruce, beech, elm, yellow birch, and some pockets of dense advanced maple regeneration.																																																							
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94	4130 - Aspen	Sawtimber Well	60.7	52	81-110	N/A	The stand is aspen with a mix of quaking and big tooth running between eight up to 11 and 12 inches in diameter. A lot of small diameter red maple underneath and there's some scattered large diameter white pine. Balsam Fir and red maple in the understory and overstory.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
95	6122 - Black Spruce	Sapling Medium	12.7	45	1-50	N/A	Filling in with spruce. Mostly open. South end is lowland brush.																																									
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96	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	18.4	82	81-110	N/A	There is some small diameter red maple to the northeast finger but otherwise there's over mature aspen and balsam fir with some signs of spruce bud worm. Previous requested to be retained by during the pre-review.																																									
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97	6220 - Alder/willow	Nonstocked	3.4			No	Tag alder, willow and buckthorn with scattered ash.																																									
98	6115 - Lowland Ash	Sawtimber Poor	11.3	80	1-50	N/A	Mostly tag alder with scattered ash and aspen. Previously typed as lowland brush.																																									
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100	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	98.7	85	1-50	N/A	This stand was unit 10 of the Fourth Quarter sale. Residual ash and red maple were left. Two aged stand call. The sale was very wet and any rutting has healed from the sale.																																									
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101	4130 - Aspen	Sapling Well	15.3	5	Immature	N/A	This stand was unit 9 of the Fourth Quarter sale. Sapling aspen.																																									
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102	6229 - Mixed lowland shrub	Nonstocked	1.6			No	A few scattered ash otherwise basically lowland brush.																																									
104	4130 - Aspen	Sapling Well	15.1	5	Immature	N/A	This stand was unit 11 of the Fourth Quarter sale. Regenerating to aspen.																																									
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107	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	8.2	76	1-50	N/A	This stand was unit 13 of the Fourth Quarter sale completed in 2017.																															
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108	4130 - Aspen	Sapling Medium	65.4	5	Immature	N/A	This stand was unit 12 of the Fourth Quarter sale. Aspen with lowland pockets that don't have any regeneration																															
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109	6220 - Alder/willow	Nonstocked	1.6			No																																
110	6115 - Lowland Ash	Sawtimber Poor	7.8	76	1-50	N/A	Full understory of lowland brush.																															
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111	6118 - Lowland Deciduous with Cedar	Poletimber Well	10.1	90	51-80	N/A	Mix of decent size green ash with black ash. The treatment here will salvage the ash from EAB.																															
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112	42330 - Upland Fir	Sawtimber Well	6.9	58	51-80	N/A	Other species include green ash and some beech in the understory and some white spruce in the overstory.																															
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145	622 - Lowland Shrub	Nonstocked	47.2	0	Unspecified	No	Lowland shrub with some scattered trees and a few clumps.																															