



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52136

Entry Year 2022

Acreage: 2,077

County Cheboygan

Management Area: Mackinaw Lake Plain

Revision Date: 2020-05-12

Stand Examiner: John Scheele

Legal Description:

T39N R03W Sections 19, 20, and 28-33.

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and topography:

There are 3 general soil associations in this compartment. The association include the Roscommon-Charity-Au Gres, the Fairport-Onaway, and the Detour-Brevort. The compartment is mostly level except for a steep ridge which runs along the northwest portion of the compartment.

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

The eastern and southern portions of the compartment have contiguous state ownership which is adjacent to state ownership. The western and northern portions of the compartment have a number of private ownerships surrounding, and adjacent to, the state ownership. The compartment surrounds the Mill Creek Historical Park.

Unique Natural Features:

Bald eagle occurrence within compartment. Potential for Little Brown Bat, Lake Huron Tansy, Ram's Head Lady Slipper, Houghton's Goldenrod, and Flattened Spike Rush.

Archeological, Historical, and Cultural Features:

Archeological sites have been documented in compartment and on surround Mill Creek Historical Park property.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

This compartment contains Mill Creek, a designated trout stream. The prescribed treatments appear to be appropriate for the protection of this waterbody.

Wildlife Habitat Considerations:

This compartment is near the Lake Huron Shoreline and, as such, has potential for several rare plants and animals. Mill Creek runs through the compartment making lowland habitats for furbearers like beaver, and waterfowl such as wood ducks and mergansers. The upland areas provide habitats for woodcock and other avian species.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located just west of the compartment. A portion of the pit is on state land and is leased to Darrow Bros. There may be some sand & gravel and limestone potential within the compartment, but much of the area is covered by wetlands, which could limit development. The compartment is several miles from the nearest current or past oil and gas production. There is no known oil and gas potential in the area, and there is no active oil & gas leasing in the vicinity. There is no known metallic mineral potential in this part of the state. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

US-23 and Stimpson Road are 2 main roads for access to the compartment. There are also a couple state and private roads which provide additional access to the compartment. Interstate Highway 75 and M-108 are along the western edge of the compartment.

Survey Needs:

A survey request may be need to establish state boundary lines for prescriptions in the southeast corner of the compartment and for addition prescriptions in the adjacent compartment.

Recreational Facilities and Opportunities:

The North Central State Trail and Midland to Mackinaw Hiking Trail are 2 recreational trails adjacent to the compartment.

Fire Protection:

No major concerns.

Additional Compartment Information:

The following reports from the Inventory are attached:

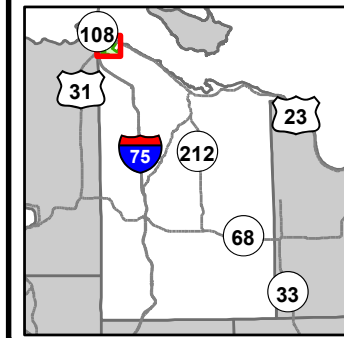
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

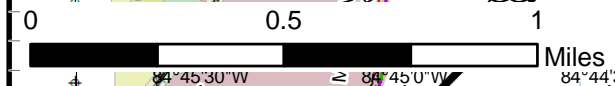
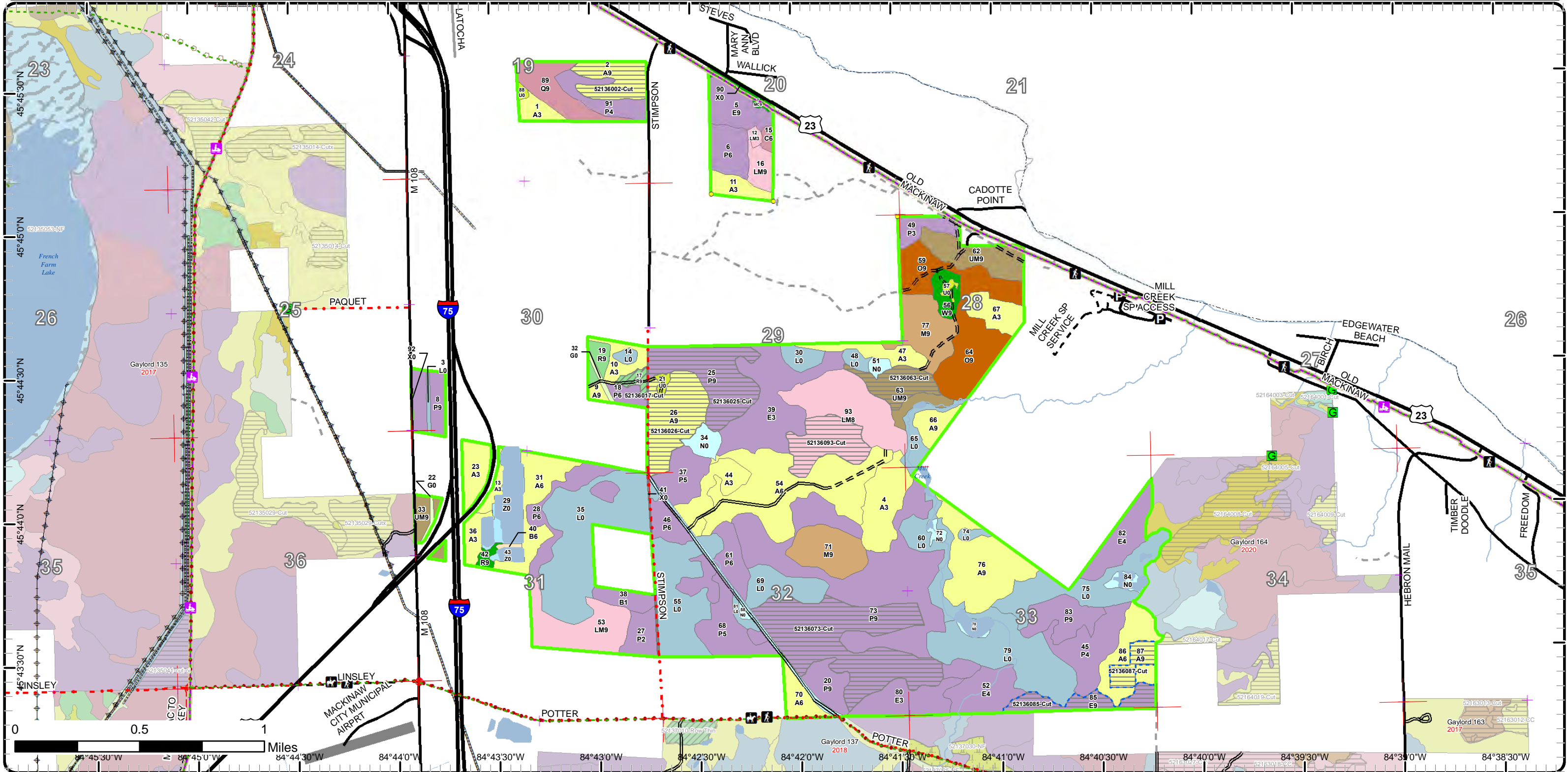
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 136
 T39N, R03W, Sec. 19, 20, 28-33
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Mackinaw Lake Plain
 YOE: 2022
 Acres: 2,077 GIS Calculated
 Examiner: John Scheele
 Map Revised: 11/20/2020
 Map Phase: Post-Review



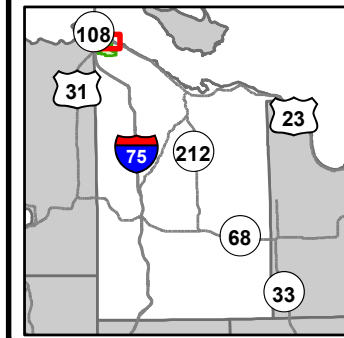
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Paved Road
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- Hiking Trails
- Bike Trails
- Horse Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
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- Designated RailTrail
- Parking Lot
- Sign
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 414 - Other Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



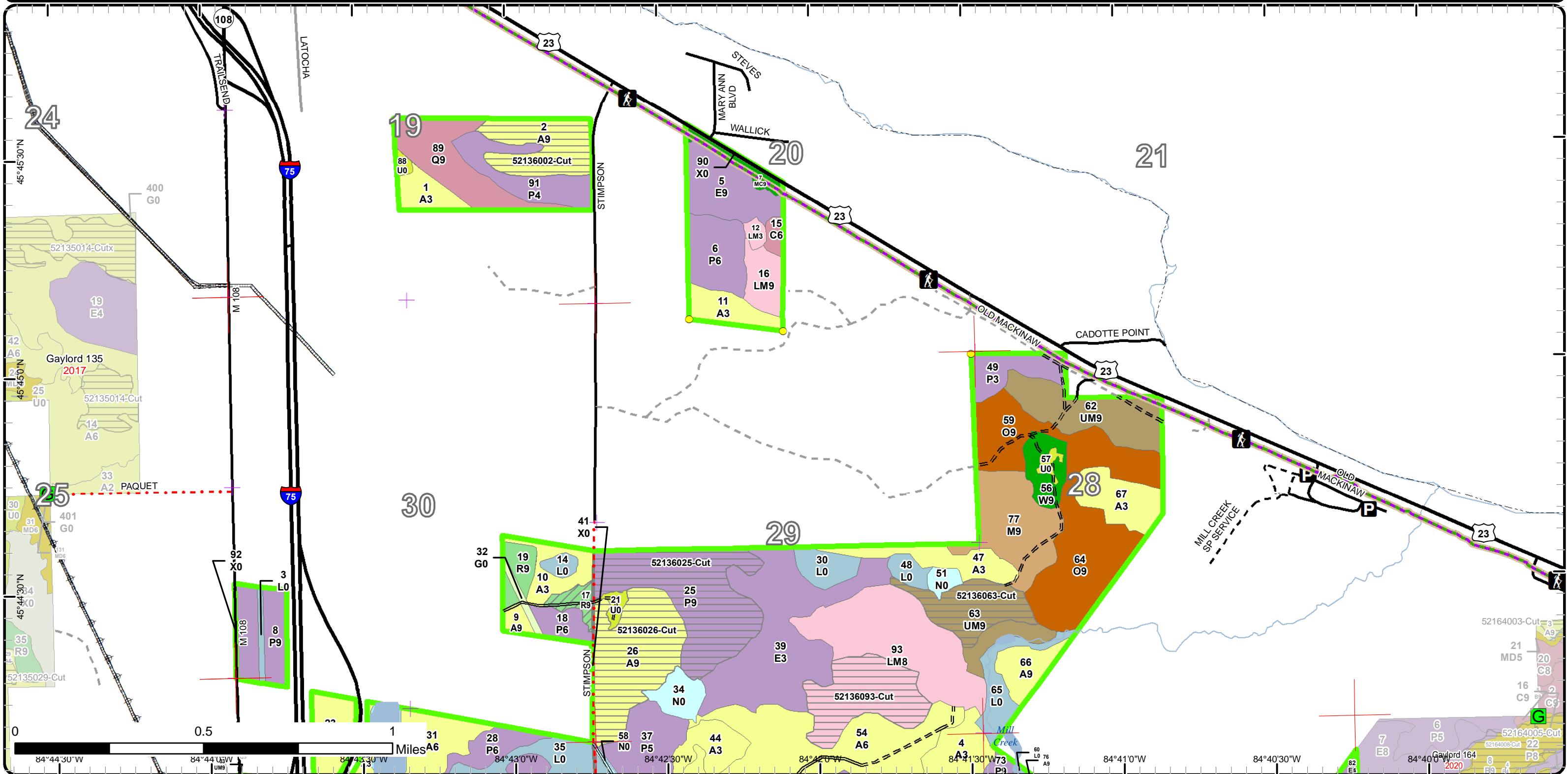
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 84°45'30"W 84°45'0"W 84°44'30"W 84°44'0"W 84°43'30"W 84°43'0"W 84°42'30"W 84°42'0"W 84°41'30"W 84°41'0"W 84°40'30"W 84°40'0"W 84°39'30"W 84°39'0"W 84°38'30"W

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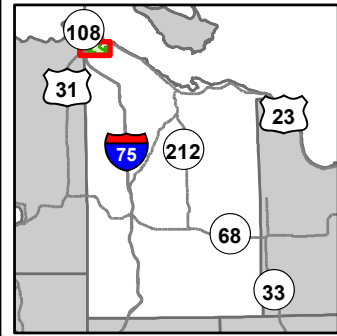


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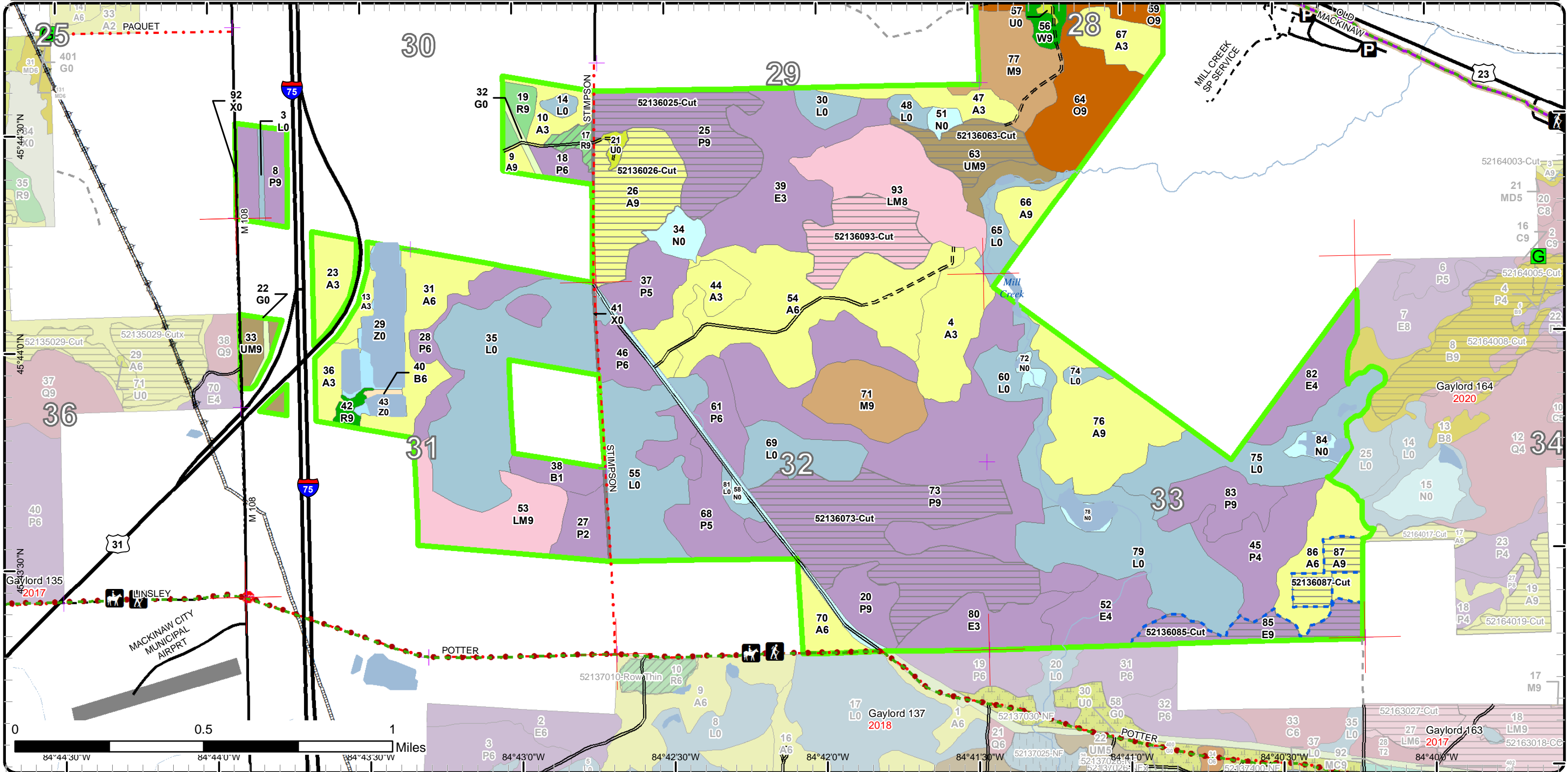


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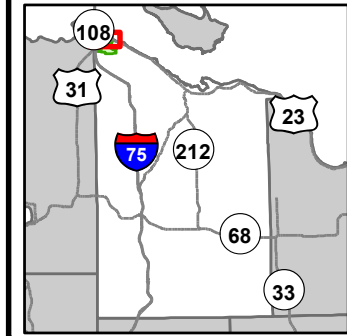


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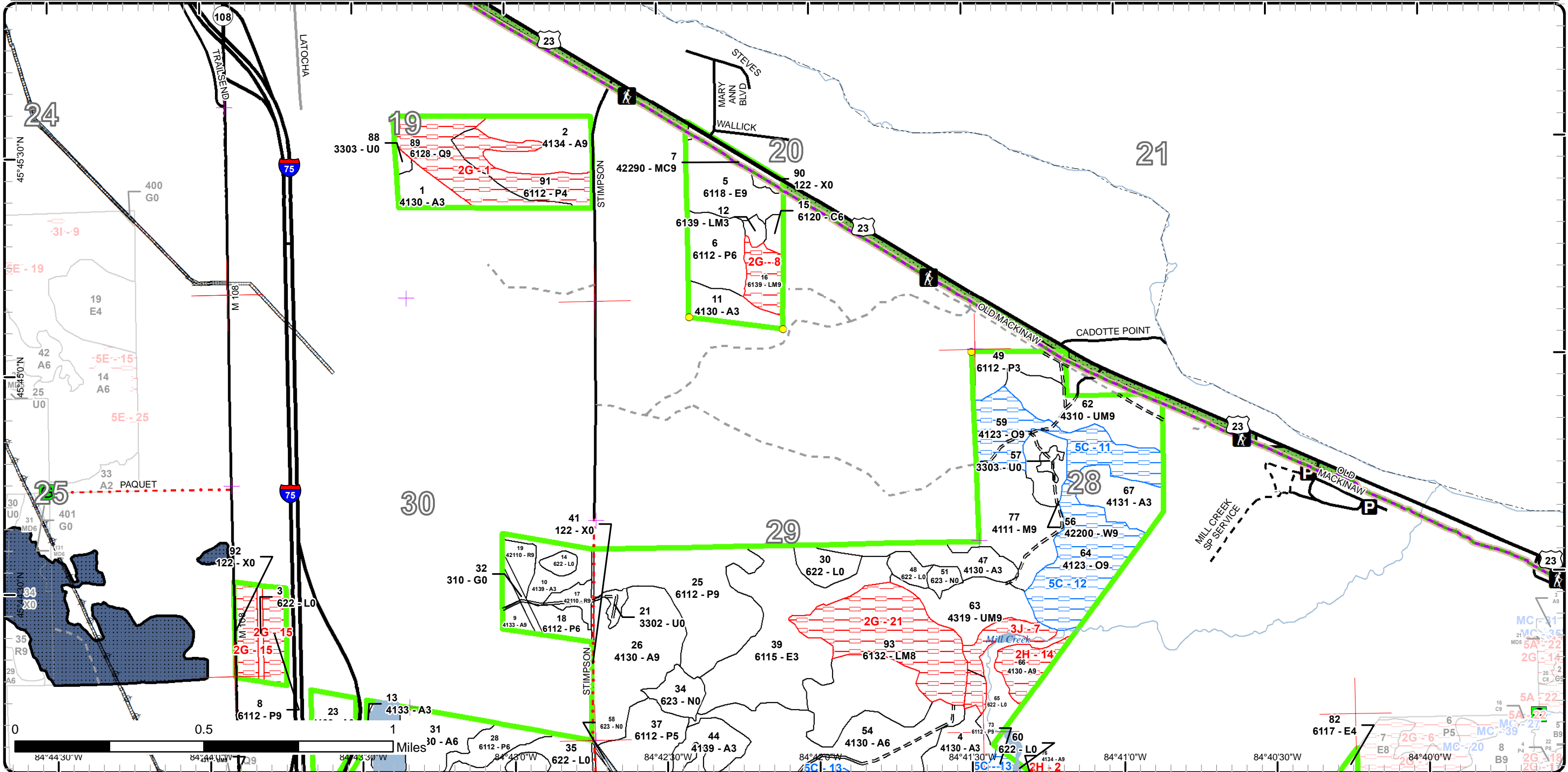


Special Conservation Areas

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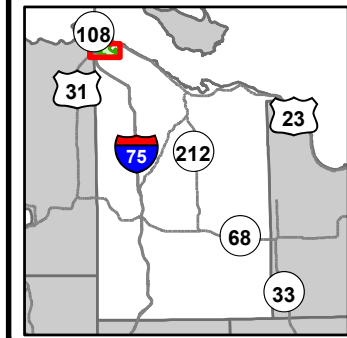


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- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Spring or Seep
- Rail-Trail Corridor
- Sand or Gravel Pit

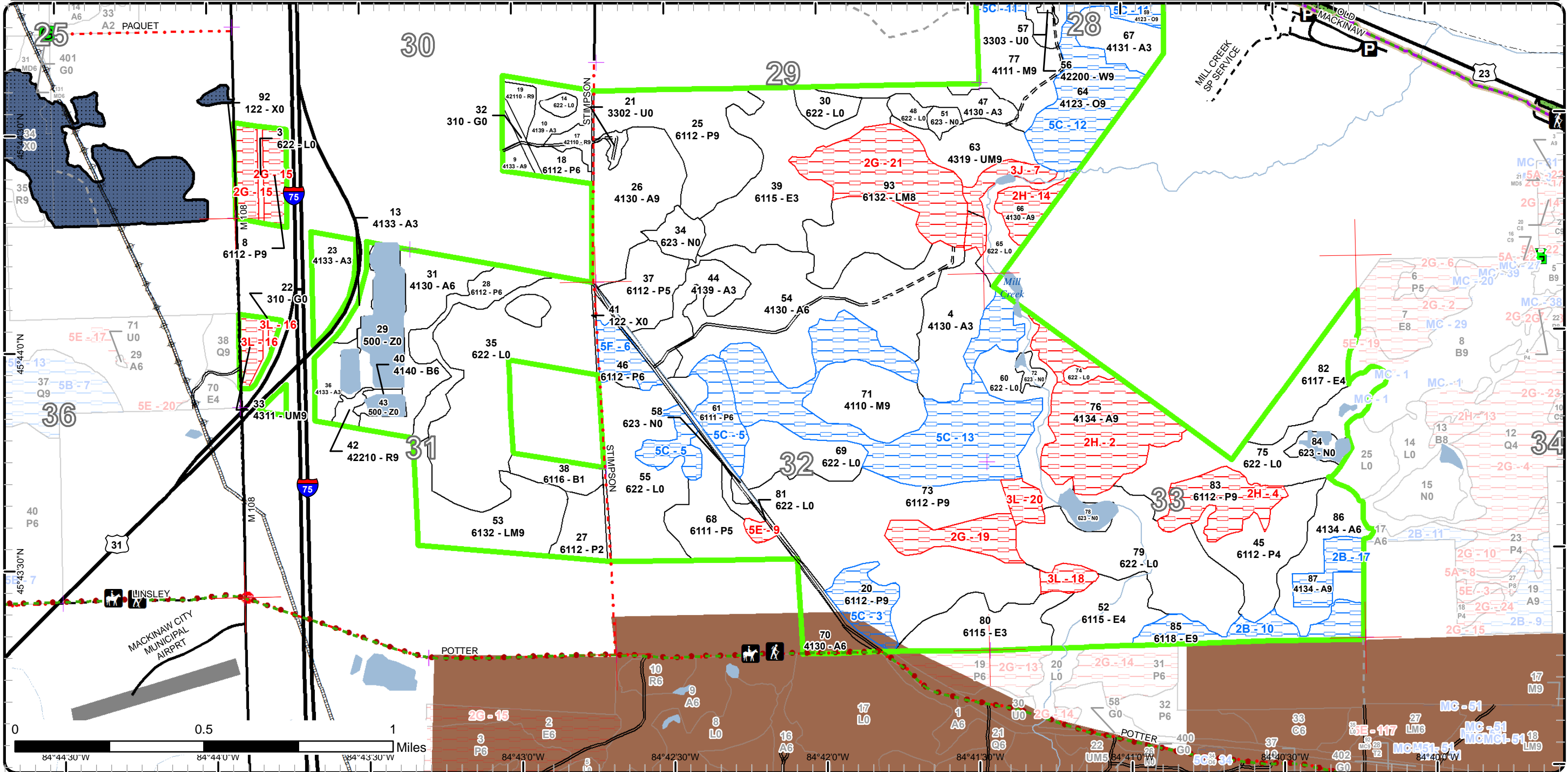


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- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Wildlife Management Areas
- Spring or Seep
- Rail-Trail Corridor
- Sand or Gravel Pit



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	149	0	31	0	132	0	27	43	58	23	0	0	0	0	0	0	0	463
Cedar	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	13	0	44	14	102	26	55	0	322	0	0	0	0	0	0	0	0	576
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	27
Lowland Deciduous	0	0	0	0	92	27	26	0	22	0	23	0	0	0	0	0	0	0	190
Lowland Mixed Forest	0	0	0	2	0	0	0	0	0	11	124	0	0	0	0	0	0	0	136
Lowland Shrub	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347
Marsh	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	0	32	0	0	31	0	0	0	0	0	0	0	63
Oak	0	0	0	0	0	0	0	0	35	39	0	0	0	0	0	0	0	0	74
Paper Birch	0	0	0	11	0	2	0	0	0	0	0	0	0	0	0	0	0	0	13
Red Pine	0	0	0	0	0	0	3	12	0	0	0	0	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	0	0	0	0	0	0	29	40	0	0	0	0	0	0	0	0	69
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
White Pine	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Total	437	162	0	88	106	263	55	136	129	475	231	0	0	0	0	0	0	0	2080



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 136

Total Compartment Acres: 2,077

Commercial Harvest - 286
 Harvests with Site Condition - 35
 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	79	0	0	0	0	0	0	0	0	79
Lowland Aspen/Balsam Poplar	161	0	0	0	0	0	0	0	0	161
Lowland Deciduous	23	0	0	0	0	0	0	0	0	23
Lowland Mixed Forest	32	0	0	0	0	0	0	0	0	32
Red Pine	0	0	0	0	5	0	0	0	0	5
Upland Mixed Forest	22	0	0	0	0	0	0	0	0	22
Total	316	0	0	0	5	0	0	0	0	321

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	321	0	0	0	0	0	0	0	0	321
Next Step	0	0	0	0	0	316	0	0	0	316
Total	321	0	0	0	0	316	0	0	0	637



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:

2	52136002-Cut	24.1	4134 - Aspen, Spruce/Fir	Sawtimber Well	60	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Expand treatment area into surrounding lowland where possible. Possible retention would be the wetter area</p> <p><u>Specs:</u> in the center of the stand. Recommend cutting in winter or summer conditions with tracked equipment to minimize rutting concerns.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous, and coniferous species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
17	52136017-Cut	4.6	42110 - Planted Red Pine	Sawtimber Well	60	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to 100 to 120 residual BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
25	52136025-Cut	52.5	6112 - Lowland Aspen	Sawtimber Well	80	Unspec ified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Put a retention pocket along Stimpson Road and include the monitoring well. Also include some larger aspen</p> <p><u>Specs:</u> in retention to produce future snags. Keep drainage ditch clear of debris after harvest. Recommend cutting during winter or summer conditions with tracked equipment to minimize rutting concerns. Add amphibian specification in sale proposal. Contact 811 prior to harvest to locate under ground utilities/wires along Stimpson Road.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous, and coniferous species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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26	52136026-Cut	43.0	4130 - Aspen	Sawtimber Well	70	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Harvest stand to regenerate. Leave the couple oaks along Stimpson Road and any White Pine within the stand for diversity. Place retention between Stimpson Road and Stand 21. Also leave retention around some large aspen trees to produce future snags. Clear debris from drainage ditch in south part of stand after harvest. Recommend cutting during winter or summer conditions with tracked equipment to minimize rutting concerns.

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

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

63	52136063-Cut	21.6	4319 - Mixed Upland Forest	Sawtimber Well	85	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Harvest stand to regenerate. Leave all White Pine > 20 inches DBH. Keep treatment boundary out of the small drainage in north part of stand and include a 300 foot 'no cut' area along Mill Creek for protection and stand retention. Access stand from the south.

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

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous, and coniferous species.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

73	52136073-Cut	108.0	6112 - Lowland Aspen	Sawtimber Well	80	Unspec ified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Specs: Harvest south part of the stand to regenerate. Leave any pine or hemlock for diversity and potential eagle nest trees. Place retention areas on the west side of powerline and in area with larger diameter trees. Recommend cutting during summer or winter conditions with tracked equipment to minimize rutting concerns. Include raptor specification in sale proposal.

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

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous and coniferous species.

Other Comment: Treatment area was reduce from original size per request of Wildlife Biologist during pre-review. Non treatment area is too wet in center of stand and eastern areas of the stand were left for other wildlife values and concerns.

Site Condition

Proposed Start Date: 10/1 /2021

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
85 52136085-Cut	22.6	6118 - Lowland Deciduous with Cedar	Sawtimber Well	95	Unspecified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Leave any Red and White pine for diversity and as possible eagle nest trees. Place retention in the far west part of stand. Access stand from private property to the east.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous and coniferous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
87 52136087-Cut	12.2	4134 - Aspen, Spruce/Fir	Sawtimber Well	90	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stand to regenerate. Access stand from the south through Stand 85. Leave any White Pine within stand for diversity and as possible eagle nest trees.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
93 52136093-Cut	32.1	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	90	Unspecified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest south and southwest part of stand to regenerate. Recommend harvest in winter or summer conditions with tracked equipment to minimize rutting concerns.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous and coniferous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment Acreage Proposed: 320.7

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 136
Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		2B	5C	5F	2G	2H	3J	3L	5E	
463	381	13	69	Aspen	13				69				
3	3	0	0	Cedar									
4	4	0	0	Herbaceous Openland									
6	6	0	0	Low-Density Trees									
575	322	158	95	Lowland Aspen/Balsam Poplar		147	11	56	24			12	2
27	0	0	27	Lowland Conifers				27					
190	167	23	0	Lowland Deciduous	23								
136	75	0	61	Lowland Mixed Forest				58		3			
347	347	0	0	Lowland Shrub					0				0
40	40	0	0	Marsh									
5	5	0	0	Natural Mixed Pines									
63	63	0	0	Northern Hardwood									
74	0	74	0	Oak		74							
12	12	0	0	Paper Birch									
15	15	0	0	Red Pine									
68	52	0	16	Upland Mixed Forest						8	8		
7	7	0	0	Urban									
31	31	0	0	Water									
10	10	0	0	White Pine									
2,077	1,542	268	267	Total Forested Acres	35	221	11	141	93	11	20	2	
	74%	13%	13%	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	2G: Too wet (sensitive soils, does not include access issues)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 136
Year of Entry: 2022



2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	24	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand currently has lower volume and fairly wet in areas.							
6	Available	5F: Evaluated for Forest Health Considerations	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Considered for SBW Salvage but declined. Diameters too small for harvesting at this time, especially considered drop in chip market.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 136
Year of Entry: 2022



8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Stand was part of Stimpson Road Aspen (52-130-12-01) but producer did not cut. North half of stand is fairly wet and stand has low volume overall.							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 73.							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Private landowner to the east may give permission for access in exchange for easement.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Reevaluate next YOE.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Reevaluate next YOE.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	105	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 136
Year of Entry: 2022



14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was recommended for disposal during pre-review. Stand is very wet and low volume.							
16	Unavailable	3L: Other wildlife concerns	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife biologist has concerns about encouraging deer to cross the roads to access regeneration forest. Stand may be recommended for disposal.							
17	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Private landowner to the east may give permission for access in exchange for easement.							
18	Unavailable	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area was left out of the treatment area per request of wildlife biologist during pre-review for wildlife cover diversity.							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 136
Year of Entry: 2022



20	Unavailable	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: This area was left out of the treatment area per request of wildlife biologist during pre-review for wildlife cover diversity.</p>							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	47	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

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
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
1	4130 - Aspen	Sapling Well	9.1	4	Immature	N/A	Stand was cut in 2015 as part of Stimpson Rd Aspen (52-130-12-01).																																																														
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2	4134 - Aspen, Spruce/Fir	Sawtimber Well	24.1	60	Unspecified	N/A	High ground surround by low ground. Variable aspen DBH range from 7 - 12 inches. Pocket of pole-sized aspen (5 DBH) along east boundary line.																																																														
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3	622 - Lowland Shrub	Nonstocked	2.3			No	Stand is under a power line.																																																														
4	4130 - Aspen	Sapling Well	33.2	3	Immature	N/A	Nice regeneration except for the landing area. Saw 3 eagles on edge of stand during inventory.																																																														
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7	42290 - Natural Mixed Pine	Sawtimber Well	4.8	85	81-110	N/A	A few scattered XL-sized Scotch Pine trees. May have been planted but no planting records.																																																																								
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8	6112 - Lowland Aspen	Sawtimber Well	19.1	66	Unspecified	N/A	Aspen is smaller DBH and low quality with trunk rot. Higher, drier ground in south and east part of stand. Some blowdown along north side. Possible driveway trespass in southwest corner of stand. Access stand through existing driveway. Nominate for disposal.																																																																								
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11	4130 - Aspen	Sapling Well	11.3	3	Immature	N/A	Stand cut as part of Stimpson Road Aspen. Stick nest along edge of stand.																																													
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12	6139 - Mixed Lowland Forest	Sapling Well	2.3	20	Immature	N/A	Canopy is 10 to 20 feet high. Lots of slash.																																													
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13	4133 - Aspen, Mixed Pine	Sapling Well	5.5	9	Immature	N/A	Stand harvested as part of Interstate 75 Aspen (52-102-11-01). A few larger DBH White Pines. White Pine DBH ranges from 6 - 14 inches.																																													
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14	622 - Lowland Shrub	Nonstocked	2.9	0		No																																														
15	6120 - Lowland Cedar	Poletimber Well	2.9	90	Unspecified	N/A	Poor quality cedar with some dying out.																																													
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16	6139 - Mixed Lowland Forest	Sawtimber Well	10.5	80	Unspecified	N/A	Old shoreline with high and low ground. North half is more low ground with lots of slash. A few scattered, larger sized trees. Stand was prescribed during last inventory but not cut.																																																							
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17	42110 - Planted Red Pine	Sawtimber Well	4.6	60	201+	N/A	Thinned in 2006. DBH range from 4 to 12 inches. BA is 2003.																																																							
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19	42110 - Planted Red Pine	Sawtimber Well	6.9	60	111-140	N/A	Thinned in 2006. DBH range is from 4 to 12 inches. Less dense than Stand 17 with more trees missing within rows. BA is 137.																																																							
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20	6112 - Lowland Aspen	Sawtimber Well	16.6	60	Unspecified	N/A	Aspen is short (4 to 5 sticks) and is relatively poor quality with some trunk rot. A lot of the stand consist of smaller DBH trees with overall low volume. Some larger DBH aspen is in the northeast corner of stand.																																																							
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21	3302 - Low Density Conifer Trees	Nonstocked	2.6		Unspecified	No	Log and XL White Pine trees																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
23	4133 - Aspen, Mixed Pine	Sapling Well	16.1	9	Immature	N/A	Stand harvested as part of Interstate 75 Aspen (52-102-11-01).																																																																					
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28	6112 - Lowland Aspen	Poletimber Well	25.2	27	Immature	N/A	Some larger DBH trees along the east boundary and in the south part of stand which were left from the previous harvest. Pockets of lowland shrubs.																																																																																
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30	622 - Lowland Shrub	Nonstocked	8.6		Unspecified	No																																																																																	
31	4130 - Aspen	Poletimber Well	31.4	27	Immature	N/A																																																																																	
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32	310 - Herbaceous Openland	Nonstocked	2.5			No	Major powerline																																																																																
33	4311 - Pine, Aspen Mix	Sawtimber Well	9.9	85	51-80	N/A	Nice White Pine with DBH range from 8 to 20 inches. A few >24 inch DBH. Aspen is over-mature and dying out.																																																																																
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34	623 - Emergent Wetland	Nonstocked	8.6		Unspecified	No																																																																																	
35	622 - Lowland Shrub	Nonstocked	92.0		Unspecified	No	Stand has pockets of sapling/pole Black Ash along west edge and in spots.																																																																																



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36	4133 - Aspen, Mixed Pine	Sapling Well	9.3	9	Immature	N/A	Stand cut as part of Interstate 75 Aspen (52-102-11-01). White Pine DBH range is 6 to 18 inches. A few XL-sized White Pine. Higher BA of Red Pine in south part of stand.																																																																
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37	6112 - Lowland Aspen	Poletimber Medium	21.4	40	Unspecified	N/A	Stream in center of stand as well as a pocket of Tag Alder. Larger log-sized aspen along stream.																																																																
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38	6116 - Lowland Birch	Sapling Poor	10.6	20	Immature	N/A																																																																	
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39	6115 - Lowland Ash	Sapling Well	62.4	30	Immature	N/A																																																																	
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40	4140 - Other Upland Deciduous	Poletimber Well	1.5	48	Unspecified	N/A	Birch is high along the edges of the stand at the water's edge.																																																																
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41	122 - Road/Parking Lot	Nonstocked	5.1		Unspecified	No	Simpson Road.																																																																



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42	42210 - Natural Red Pine	Sawtimber Well	3.4	58	111-140	N/A	Old burrow pit area. 5 to 6 foot banks on all sides except the north. Pine appears healthy. No good access to the stand. BA is 133. Last inventory comments: Found 2" pipe with cap 2 feet above ground level on the north edge of stand, near south edge of water. May be old well of some kind.																																																			
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43	500 - Water	Nonstocked	3.6		Unspecified	No																																																				
44	4139 - Aspen, Mixed Deciduous	Sapling Well	21.2	3	Immature	N/A	Stand cut as part of Stimpson Road Aspen (52-130-12-01). Good regeneration except at landing area.																																																			
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45	6112 - Lowland Aspen	Poletimber Poor	33.9	45	Unspecified	N/A	Close to a lowland shrub stand.																																																			
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46	6112 - Lowland Aspen	Poletimber Well	12.2	47		N/A	Stand consist of a high ground spot surrounded by low ground. A few larger DBH aspen along the south boundary.																																																			
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49	6112 - Lowland Aspen	Sapling Well	13.1	4	Immature	N/A	Stand was cut as part of Always Remember BS Oak (52-131-12-01). Some non-merchantable saplings were left. Pocket of cedar along the west edge of sand.																																																										
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51	623 - Emergent Wetland	Nonstocked	3.4		Unspecified	No																																																											
52	6115 - Lowland Ash	Poletimber Poor	27.4	40		N/A	Ash is dying out.																																																										
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53	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	40.8	90	Unspecified	N/A	Birch is dead or dying out as well as the larger DBH ash. Higher cedar component along the south edge with significant blowdown and cedar regeneration. Pockets of Black Ash saplings.																																																										
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55	622 - Lowland Shrub	Nonstocked	56.3			No	Close to a forested stand in areas. Very wet, poor soils with lots of dead trees and tops.																																																										



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56	42200 - Natural White Pine	Sawtimber Well	9.8	60	81-110	N/A	Pine is relatively short and very branchy. DBH range from 6 to 36". A couple >36" DBH Whit Pines. Trees get smaller to the south. BA is 100. Stand surrounds old homestead site locally known as the Finnagan Farm. No management activity is recommended for the stand.																																																
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57	3303 - Mixed Low Density Trees	Nonstocked	1.8		Unspecified	No	Old homestead site with apple and White Pine trees. There is a stone foundation with two separate depression near the foundation. There is also a 2 inch pipe sticking out of the ground indicating a possible well near the foundation. Do not used for any harvesting activities.																																																
58	623 - Emergent Wetland	Nonstocked	12.7			No	Ditch and access trail under powerline.																																																
59	4123 - Red Oak	Sawtimber Well	35.0	79	51-80	N/A	Stand treated as part of Always Remember BS Oak (52-131-12-01). Steep ridge runs east and west in center of stand. Less BA of oak in west part of stand. Larger oak trees are also located in west part of stand. A few scattered X-sized oak and pine trees within stand. Pockets of high Red Maple regeneration in west part. Overall BA is 78.																																																
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60	622 - Lowland Shrub	Nonstocked	25.5		Unspecified	No	Black Ash along edges. Mill Creek.																																																
61	6111 - Lowland Balsam Poplar	Poletimber Well	25.9	50	Unspecified	N/A	Close to a log stand with poor quality Balsam Poplar and aspen. A few of the larger DBH aspen are dying out. Better quality trees in the northeast part of stand, east of the powerline. Pockets of low volume in spots. Blowdown beginning to occur. Observed lots of rabbit tracks and current beaver activity on the east side of powerline.																																																
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62	4310 - Pine, Oak Mix	Sawtimber Well	28.9	70	51-80	N/A	Stand treated as part of Always Remember BS Oak (52-131-12-01). Stand is at the bottom of the old lake shoreline. DBH is variable for the oak. A few scattered larger DBH pine and oak. Some of the oak develop epicormic branching. Red Maple regeneration is high in spots.																																																																				
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63	4319 - Mixed Upland Forest	Sawtimber Well	29.6	85	141-170	N/A	Aspen has trunk rot with some larger DBH trees. Blowdown is beginning to occur. Cedar DBH range is from 4 to 12 inches. There is a drainage along the north boundary flowing east, eventually into Mill Creek.																																																																				
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64	4123 - Red Oak	Sawtimber Well	39.1	85	81-110	N/A	Nice stand of oak with some scattered larger DBH trees. Variable DBH. Stand treated as part of Always Remember BS Oak (52-131-12-01). Beech breaking apart but some large ash still alive. Pockets of pole/sapling oak. More maple component in south west part of stand. Linear rock pile in center of stand which may have been part of historical farm. BA is 98.																																																																				
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67	4131 - Aspen, Oak	Sapling Well	16.8	4	Immature	N/A	Stand was cut as part of Always Remember BS Oak (52-131-12-01). Nice regeneration.																																																																			
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68	6111 - Lowland Balsam Poplar	Poletimber Medium	28.0	45		N/A	Short, poor quality Balsam Poplar with pockets of lowland shrubs.																																																																			
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69	622 - Lowland Shrub	Nonstocked	23.7		Unspecified	No																																																																				
70	4130 - Aspen	Poletimber Well	12.7	43		N/A	Quaking Aspen has some trunk rot. Lowland is in the north and southwest part of the stand.																																																																			
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71	4110 - Sugar Maple Association	Sawtimber Well	31.2	90	51-80	N/A	Stand treated in 2016 as part of Stimpson Road Aspen (52-130-12-01). Quality of residual trees is OK. A few 16 inch DBH maple. Aspen regeneration is mostly along the edge of stand. Stand provides forest cover type diversity for this area.																																																																			
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72	623 - Emergent Wetland	Nonstocked	3.0		Unspecified	No																																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
73	6112 - Lowland Aspen	Sawtimber Well	245.1	80	Unspecified	N/A	Aspen is relatively shorter (4 stick high), poor quality and dying out. A few larger DBH aspen, Red Maple, and cedar. Higher, rocky ground runs east to west and has high tree volumes compared to the low ground. Some pockets of high shrub component with lower tree volumes. Blowdown is occurring in some spots. Ground appears wetter in the north part of stand with a surface drainage in the center of the stand (south of the section corner).			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Pole/Sapling	6		Balsam Fir		High	Variable	Sapling
Quaking Aspen		52	Log/Pole	12	80	Tag Alder		Medium	10 - 20 feet	Tall Shrub
Balsam Fir		18	Pole/Sapling	6		Black Ash		Low	10 - 20 feet	Sapling
White Spruce		2	Log	12		Red Osier Dogwood		Low	5 - 10 feet	Tall Shrub
Northern White Cedar		16	Pole/Log	9		Black Spruce		Low	10 - 20 feet	Sapling
Balsam Poplar		2	Pole	7		Willow spp.		Low	10 - 20 feet	Sapling
Black Ash		5	Pole/Sapling	5		Currant		Low	5 - 10 feet	Tall Shrub
74	622 - Lowland Shrub	Nonstocked	3.0		Unspecified	No				
75	622 - Lowland Shrub	Nonstocked	45.3		Unspecified	No	Scattered dead pole-sized Black Ash. Was not able to look at far west part of stand.			
76	4134 - Aspen, Spruce/Fir	Sawtimber Well	57.6	80	Unspecified	N/A	A few scattered >24" aspen and pockets of per ash in stand. Bigtooth Aspen in northwest part of stand. Did not look at the south part of stand during inventory. Very difficult access to stand. Eagle nest within stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		40	Log/Pole	12	80	Balsam Fir		High	Variable	Sapling
Bigtooth Aspen		20	Log/XLog	17		Black Ash		Low	>20 feet	Sapling
White Spruce		5	Log	16		Tag Alder		Low	10 - 20 feet	Tall Shrub
Red Maple		10	Pole/Log	8		Red Maple		Medium	10 - 20 feet	Sapling
Balsam Fir		15	Pole/Sapling	7		Sugar Maple		Medium	10 - 20 feet	Sapling
Black Ash		10	Pole/Sapling	5						
77	4111 - S.Maple, Hard Mast Association	Sawtimber Well	32.0	60	51-80	N/A	Stand was treated as part of Always Remember BS Oak (52-131-12-01). Sugar Maple quality is fair. Some beech and ash is dead or dying. BA is 65.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		64	Log/Pole	10	60	Beech		High	10 - 20 feet	Sapling
Basswood		2	Log/Pole	10		Ironwood		High	5 - 10 feet	Sapling
Beech		5	Log/Pole	10		Bigtooth Aspen		Medium	10 - 20 feet	Sapling
Red Oak		15	Log	14		White Ash		Low	< 5 feet	Sapling
White Ash		10	Log/Pole	11		Red Oak		Low	< 5 feet	Sapling
Ironwood		2	Pole/Sapling	5		Striped Maple		Low	10 - 20 feet	Sapling
White Pine		2	XLog/Log	18		Blackberry/Raspberry		Low	< 5 feet	Tall Shrub
78	623 - Emergent Wetland	Nonstocked	5.9			No				
79	622 - Lowland Shrub	Nonstocked	67.3			No				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
80	6115 - Lowland Ash	Sapling Well	29.1	35		N/A	Aspen and Black Ash are dying out.																																														
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81	622 - Lowland Shrub	Nonstocked	3.3	0		No																																															
82	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	26.1	50	Unspecified	N/A	Low volume stand with a few scattered larger DBH Red Maple. Pockets of mostly Tag Alder. Stand is close to a lowland shrub. Only looked at the far west part of the stand.																																														
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83	6112 - Lowland Aspen	Sawtimber Well	24.2	80	Unspecified	N/A	Aspen is over-mature with trunk rot. Blowdown occurring. There are stream/drainages within the stand flowing to the east.																																														
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84	623 - Emergent Wetland	Nonstocked	6.4		Unspecified	No																																															
85	6118 - Lowland Deciduous with Cedar	Sawtimber Well	22.6	95	Unspecified	N/A	Aspen is over-mature with some XL-sized trees. Slash is beginning to occur. Appears to be rocky ground.																																														
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86	4134 - Aspen, Spruce/Fir	Poletimber Well	27.0	45	Unspecified	N/A	High volume stand with some 10" DBH aspen. Some Balsam Fir and aspen slash developing. Rocky ground.																																														
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88	3303 - Mixed Low Density Trees	Nonstocked	1.5	0		No																																																												
89	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	26.8	90	Unspecified	N/A	Stand has old shoreline topography with a few drainages flowing from the west to the east. Aspen is dying out. Cedar and spruce have variable DBH range from 4 to 12 inches. Pockets of light to heavy cedar with slash developing. Lots of various wildlife tracks.																																																											
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90	122 - Road/Parking Lot	Nonstocked	1.4	0	Unspecified	No																																																												
91	6112 - Lowland Aspen	Poletimber Poor	19.1	60	Unspecified	N/A	Lots of canopy mortality. Not harvestable. Too Wet. Lots of rabbit tracks.																																																											
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93	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	82.6	90	Unspecified	N/A	Pockets of high ground with good volume and pockets of low ground with low volume. Aspen is over-mature and is dying out. Slash is developing on the high ground.																																																											
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