



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12002

Entry Year 2026

Acreage: 1,860

County Dickinson

Management Area: Way Dam Complex

Stand Examiner: Jacob Siler

Legal Description:

T44N R30W, Sec 29, 30, 31, 31

T44N R31W, Sec 25, 36

Identified Planning Goals:

Manage hardwood by improving quality and establishing regeneration. Manage aspen and suitable lowlands by diversifying age classes.

Soil and topography:

This is a fairly flat compartment in a deeryard and has some wetter acreage to the south.

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

This compartment is fairly contiguous with 120 acres in section 29 and 40 in section 31. There is a fair condition road that accesses the private land and north to private outside the compartment boundary. Race Rd is good gravel (county) and goes through the compartment and accesses the Michigamme Reservoir. Weber Lake is to the north of the compartment but is surrounded by WE land.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known to be within compartment boundaries.

Special Management Designations or Considerations:

Deeryard considerations

Watershed and Fisheries Considerations:

Michigamme River is just north of compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The closest known active sand & gravel operation is more than three miles south. While sand & gravel resources may exist within the compartment, much of the land consists of low wetlands, which would inhibit surface mining for development of sand & gravel for aggregate. Some remote geophysical surveys covering this area have been conducted and have not revealed any significant features beneath the compartment that might be expected to generate mineral exploration interest. No known mineral test drilling has occurred within one mile of the compartment, and there has been no leasing activity involving State-owned mineral rights in the area in the last 30 years. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

The main vehicle access in this compartment is the county Race Rd, and the main dirt road going to the north. There are other logging roads.

Survey Needs:

Surveys will be needed.

Recreational Facilities and Opportunities:

The Michigamme Reservoir is the main recreation in this area and deer hunting.

Fire Protection:

Good road access for fire protection

Additional Compartment Information:

The following reports from the Inventory are attached:

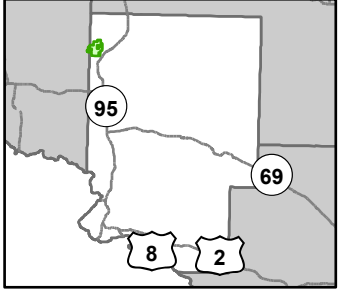
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

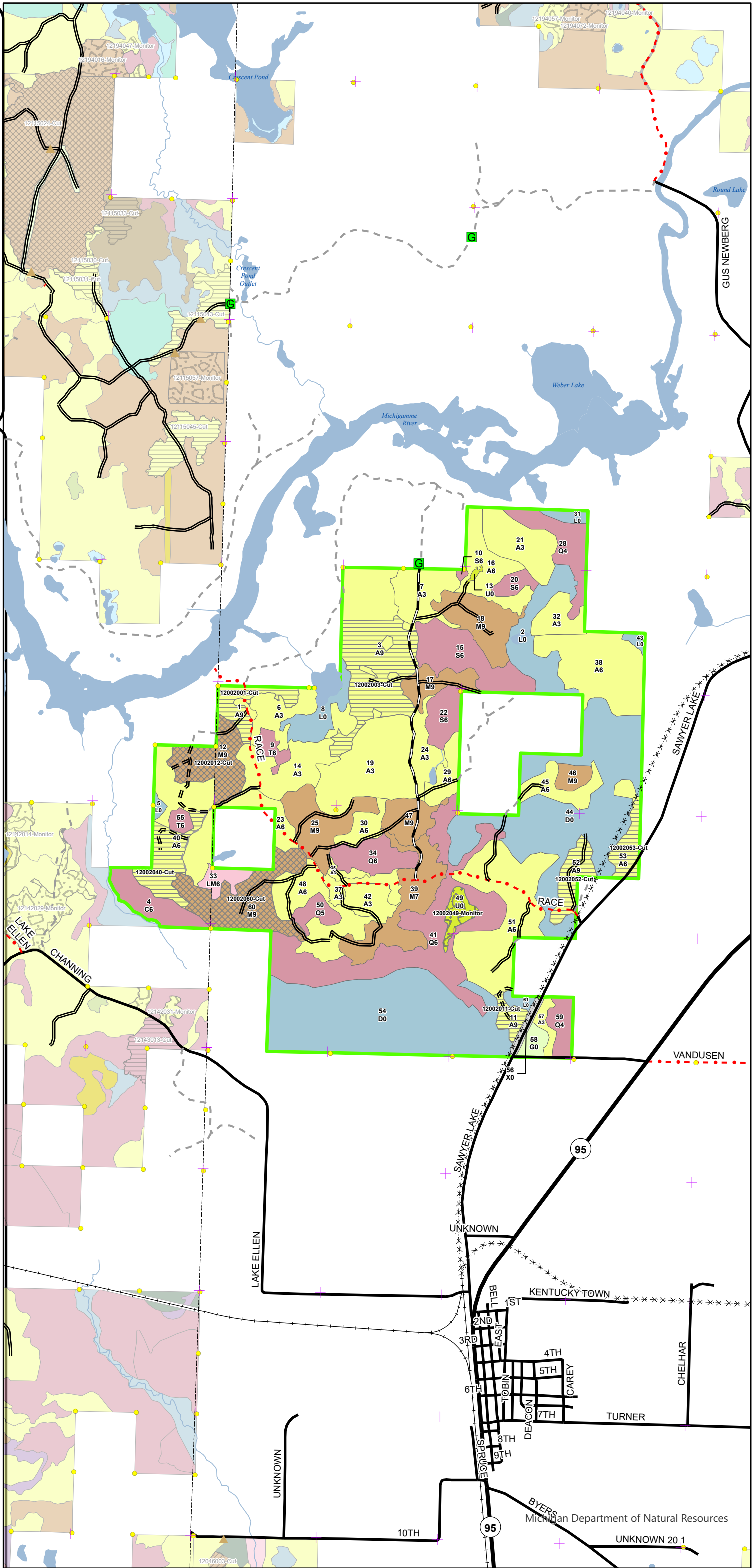
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 12002
 T44N, R30W, Sec: 20, 29-32
 County: Dickinson
 Unit: Crystal Falls
 Mgmt Area: Way Dam Complex
 YOE: 2026
 Acres: 1859.7 GIS Calculated
 Examiner: Jacob Siler
 Map Revised: 07/15/2024
 Map Phase: Web-Post

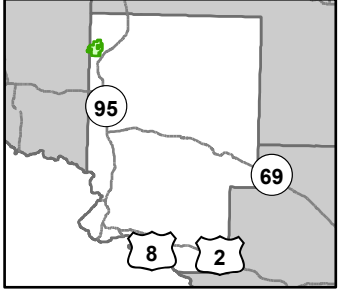


- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- ▲ Berms
- G Gate
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Active Railroads
- Abandoned Railroads
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen Types
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub

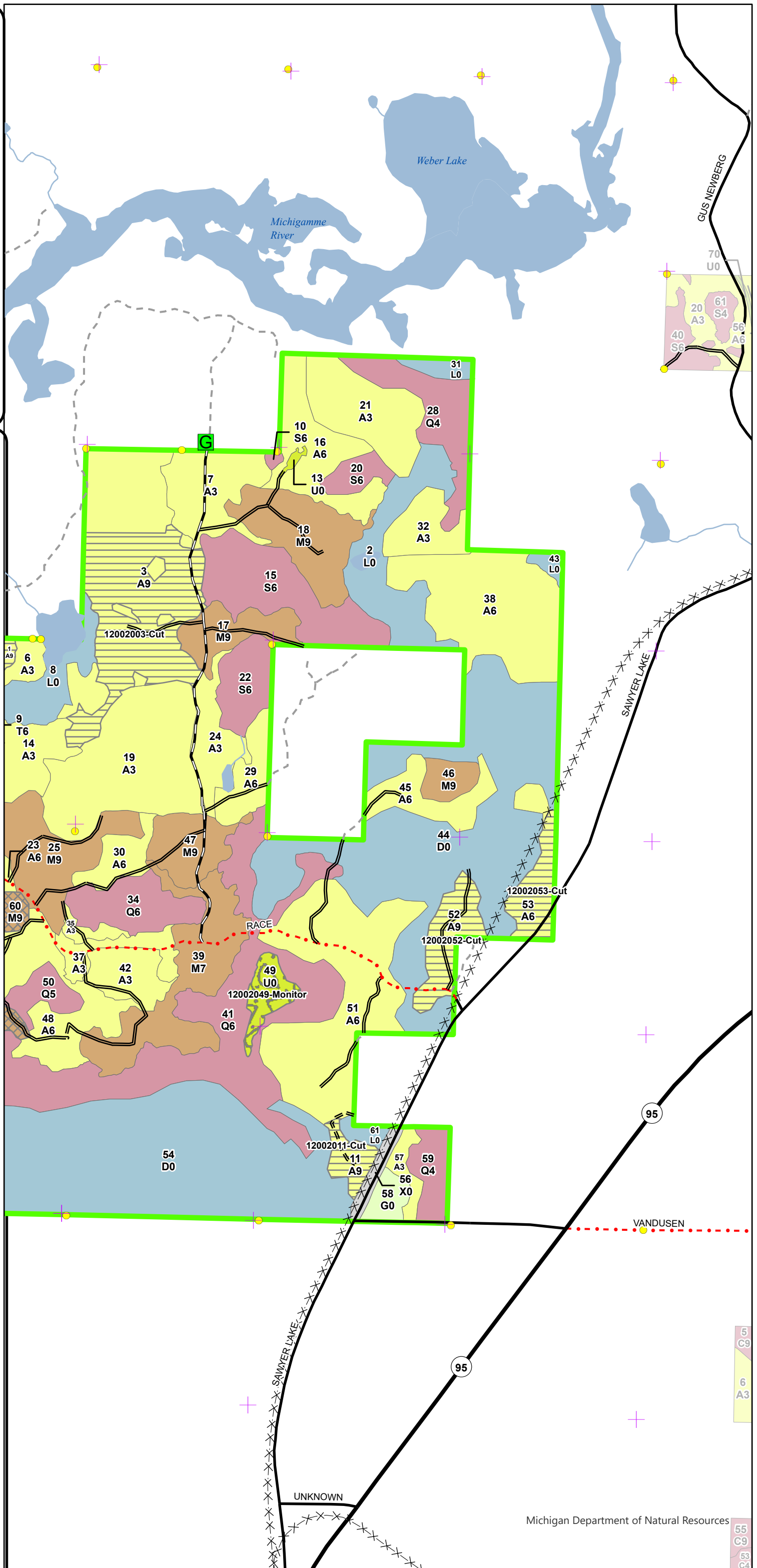


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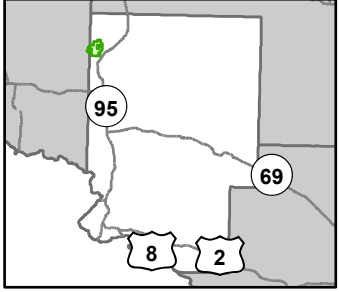


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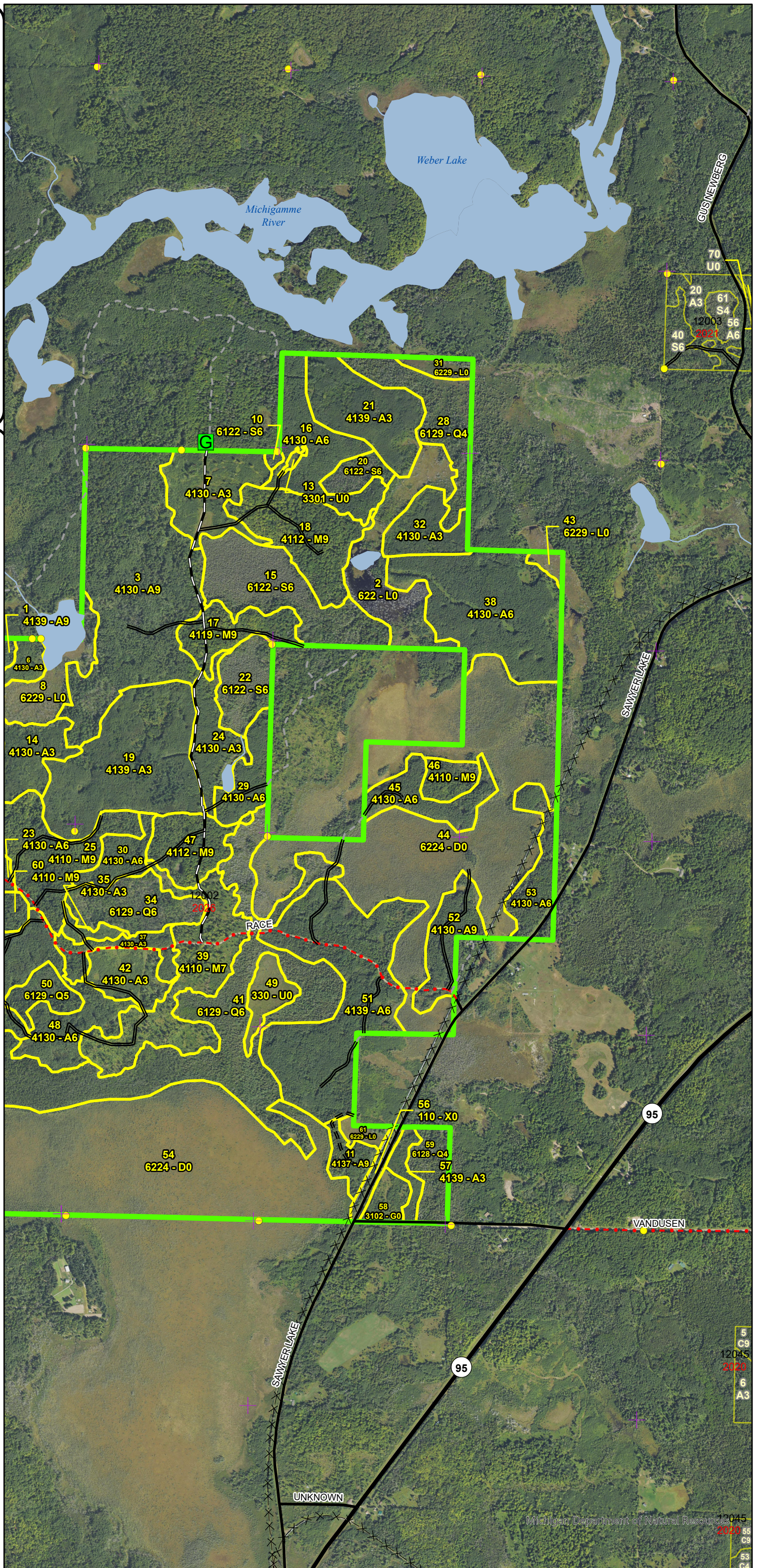


Stand Boundary Map

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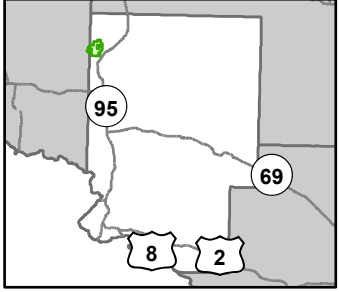


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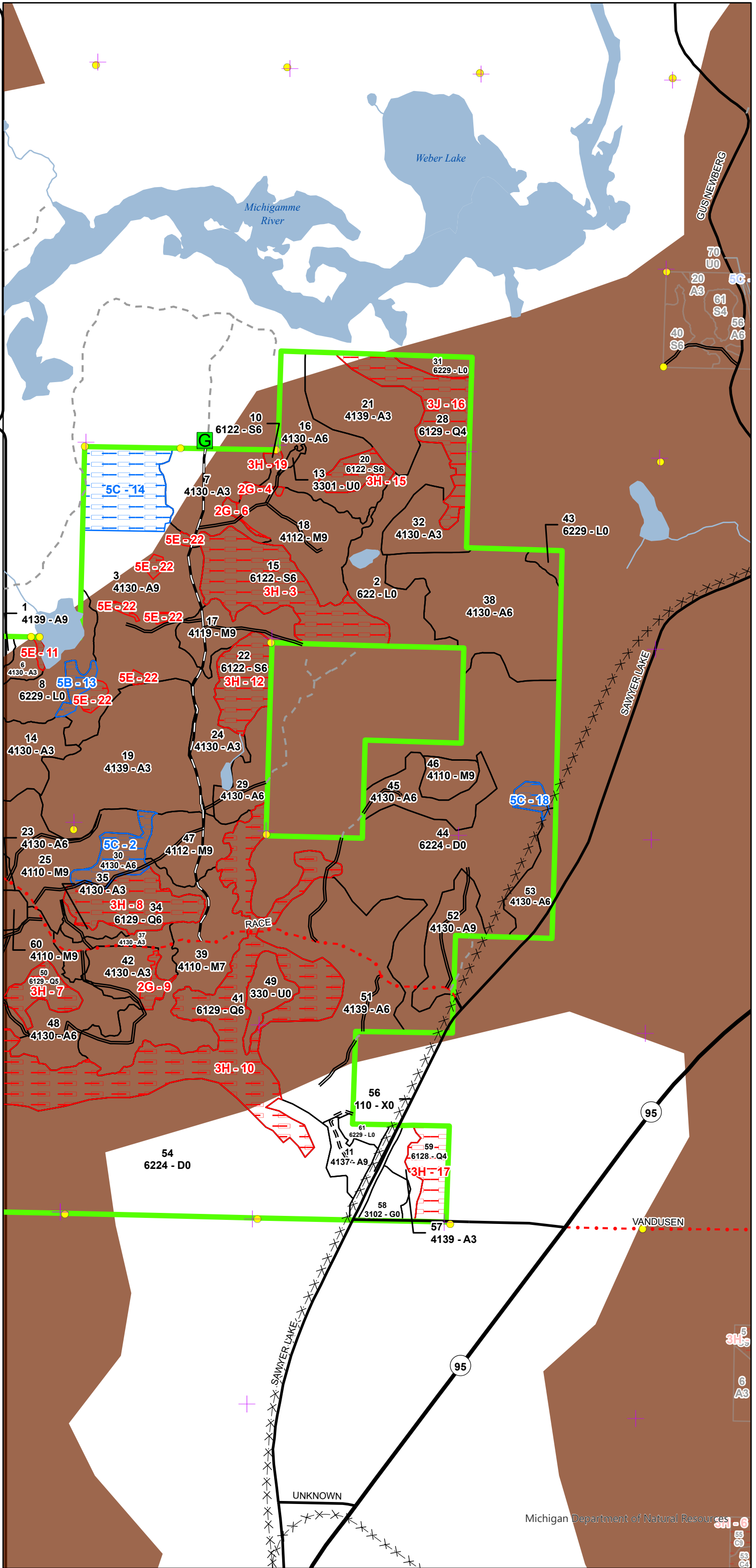


Special Conservation Areas & Site Conditions Map

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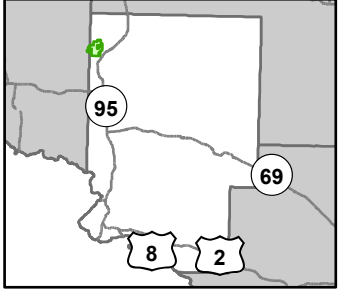


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 - Lakes and Rivers
 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
- 5B: Maintain for regeneration purposes
 5C: Delay treatment for age/size class diversity or exceptional site
 2G: Too wet (sensitive soils, does not include access issues)
 3J: Water quality / BMPs (stream, river, or lake)
 5E: Long-Term Retention
- Stand Boundaries
 - Deer Winter Range

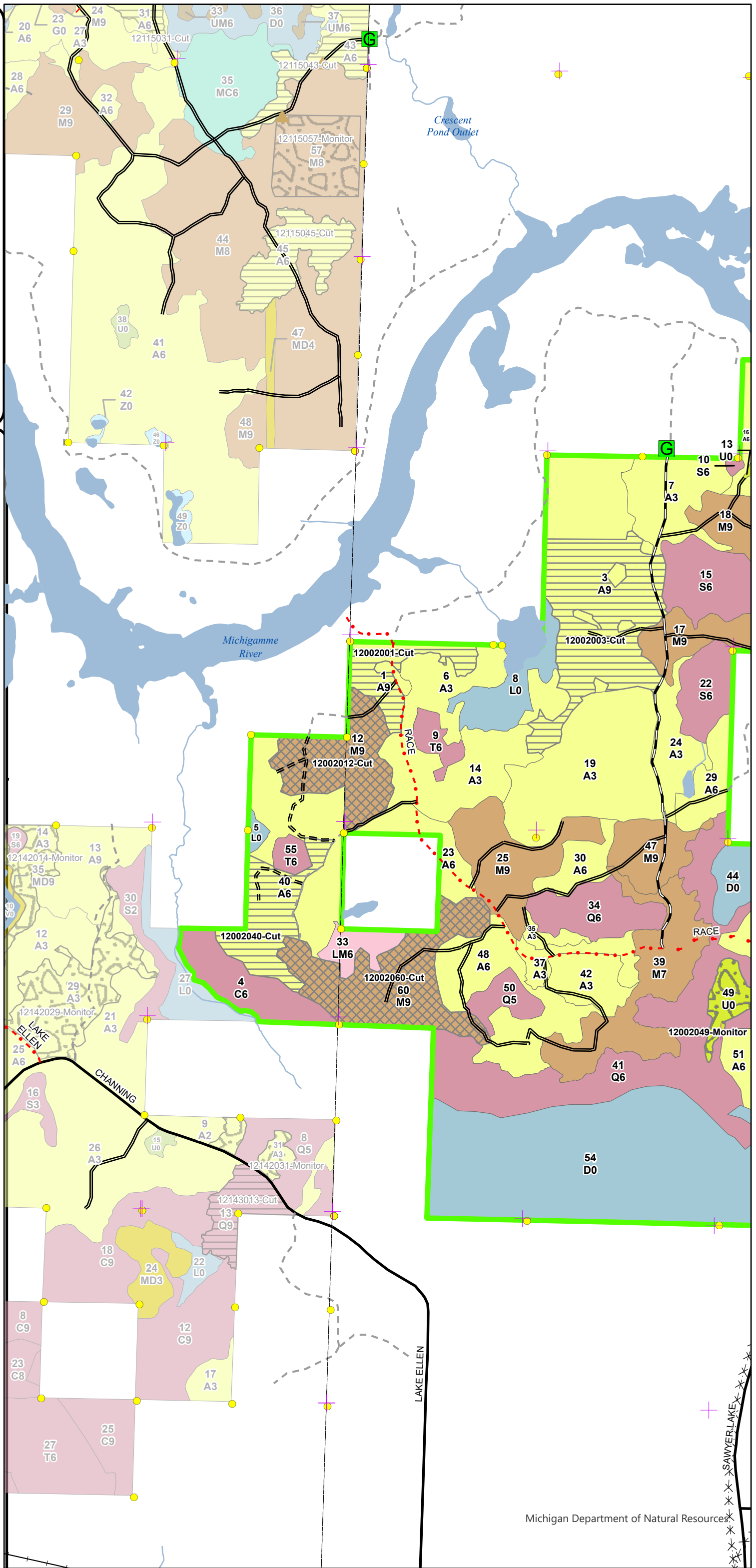


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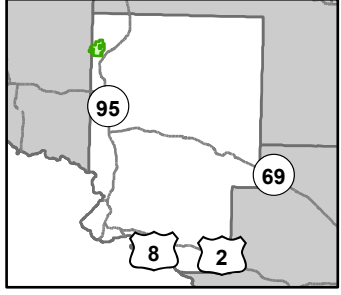


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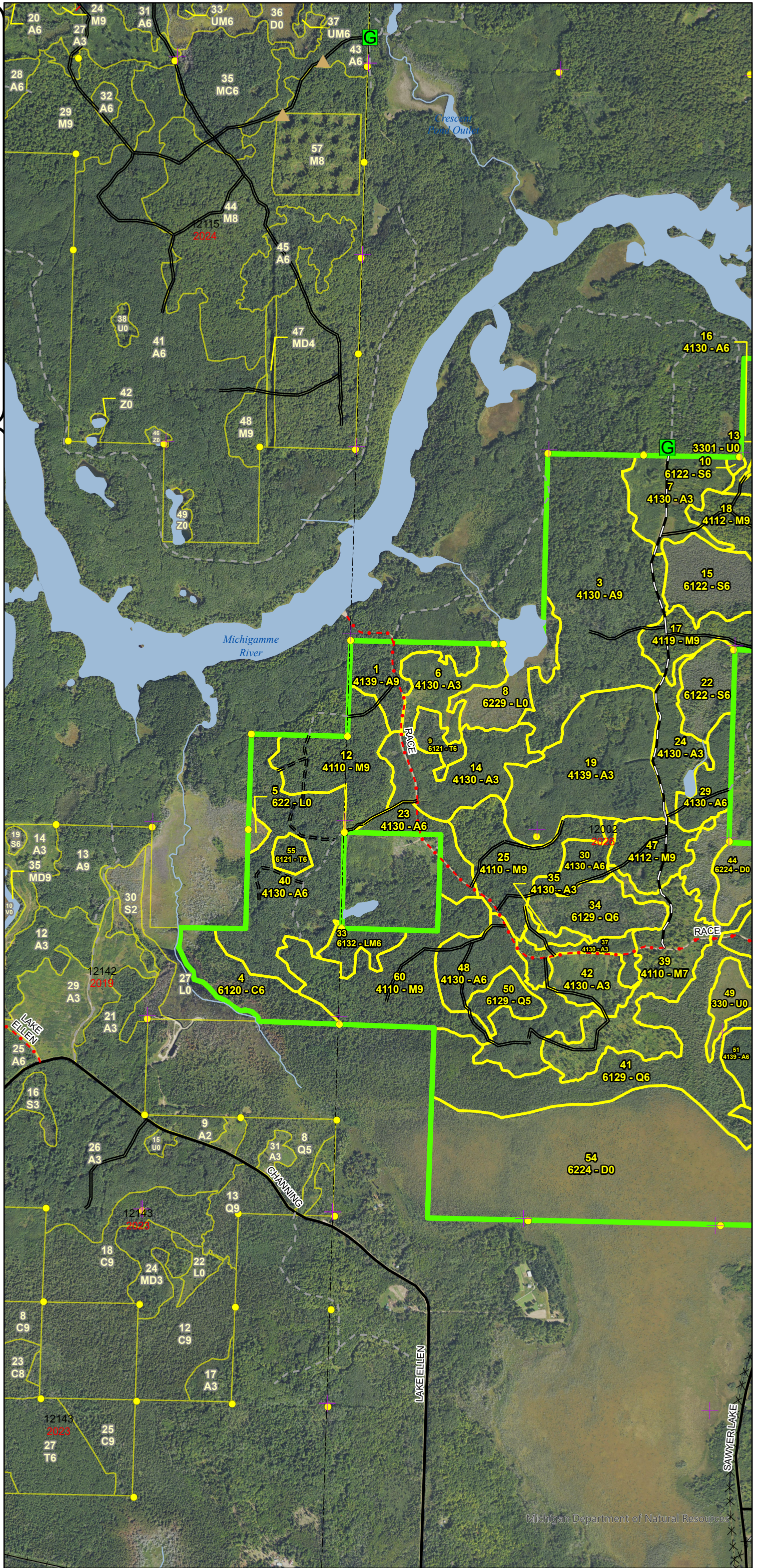


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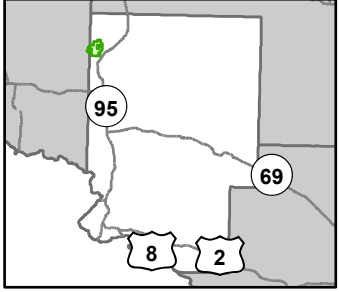


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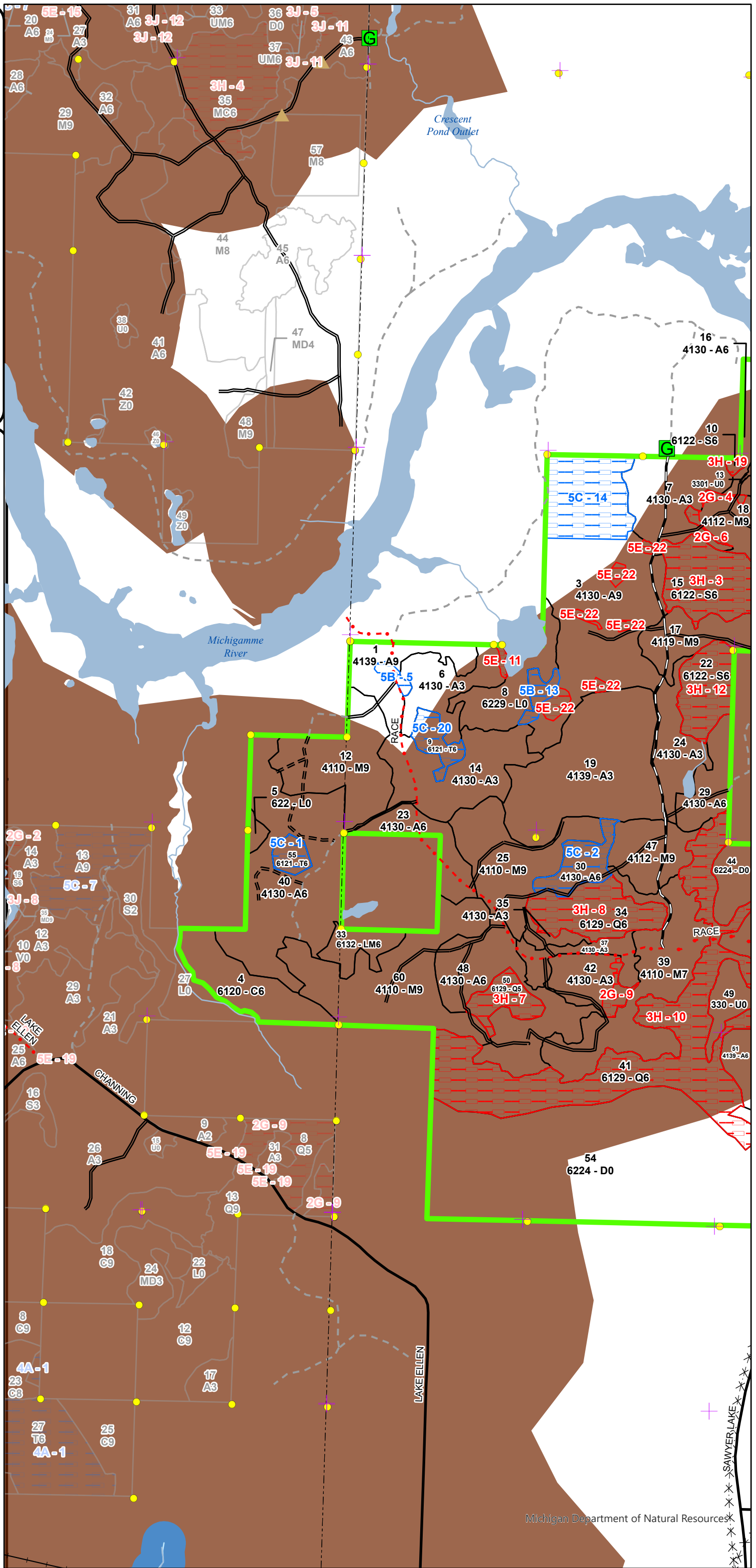


Special Conservation Areas & Site Conditions Map

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- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



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	74	82	150	233	91	165	29	0	0	0	0	0	0	0	0	0	0	823
Cedar	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	26
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Conifers	0	0	0	0	0	0	0	0	0	43	156	0	0	0	0	0	0	0	197
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Lowland Shrub	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	73
Northern Hardwood	0	0	0	0	0	0	0	0	0	38	233	0	0	0	0	0	0	0	271
Tamarack	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13
Treed Bog	344	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	344
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	446	74	82	150	233	91	165	29	0	81	512	0	0	0	0	0	0	0	1859



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 2
Total Compartment Acres: 1,860

Commercial Harvest - 262
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	165	0	0	0	0	0	0	0	0	165
Northern Hardwood	0	97	0	0	0	0	0	0	0	97
Total	165	97	0	0	0	0	0	0	0	262

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	262	0	0	0	0	0	11	0	0	273
Next Step	0	0	0	0	0	0	262	0	0	262
Total	262	0	0	0	0	0	273	0	0	535



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

1	12002001-Cut	19.5	4139 - Aspen, Mixed Deciduous	Sawtimber Well	59	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Two-Aged	No
<p><u>Prescription</u> Cut all trees 4 inches and greater at DBH. Do not cut pine, cedar and hemlock, if found. Do not cut sub-merchantable spruce/fir, 6 inches or less at stump height of 4 inches. Green tree 1 log sized tree, preferably maple, for every 3 acres of treatment. Leave all cherry and birch. Red line out wet area east of road and small area with dense sugar maple sapling 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 Regen:</u> Aspen, balsam poplar, northern hardwood associates</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
3	12002003-Cut	70.9	4130 - Aspen	Sawtimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 4 inches and greater at DBH. Do not cut sub-merchantable spruce/fir (6 inches or less at 4 inch stump height). Do not cut cedar, pine and hemlock, if found. Green tree 1 log sized tree, preferably maple, for every 5 acres of treatment. Green tree 1 cherry or birch per cruise plot, where available. 7 acres of retention in spruce/fir areas.</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 Regen:</u> Aspen, spruce, fir, pine, northern hardwood associates</p> <p><u>Other Comment:</u> Current areas excluded for retention in spruce/fir understory areas are approximate. Recommend dry summer/winter harvest. Area excluded to the north should be no less than 30 acres.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
11	12002011-Cut	8.8	4137 - Aspen, Birch	Sawtimber Well	61	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 4 inches and greater at DBH. Create 4 retention pockets of spruce/fir 25 feet in diameter or equivalent amount. Green tree 1 birch or maple per cruise plot, where available. Do not cut pine, cedar, oak or hemlock.</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 Regen:</u> Aspen spruce/fir and northern hardwood associates.</p> <p><u>Other Comment:</u> Less than 10 acres, no retention.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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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12	12002012-Cut	39.2	4110 - Sugar Maple Association	Sawtimber Well	96	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
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Prescription Thin to basal area of 70-90sqft. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. 10 to 20% of the treatment area is to be composed of regeneration gaps. Leave all species represented.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood associates

Regen:

Other Canopy gaps should be focused, but not limited to, areas with advanced maple regeneration.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

40	12002040-Cut	30.2	4130 - Aspen	Poletimber Well	41	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 4 inches and greater at DBH. Do not cut pine, cedar, oak and hemlock.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, birch, cherry and BAM

Regen:

Other We are splitting stand 40 and want to harvest approximately 30 acres.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

52	12002052-Cut	19.9	4130 - Aspen	Sawtimber Well	52	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 4 inches and greater at DBH. Create 6 retention pockets for spruce/fir 25 feet in diameter or equivalent amount. Green tree 1 pulp/saw sized spruce or fir for every acre of treatment. Do not cut pine, cedar, oak or hemlock.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce/fir, northern hardwood associates

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

53	12002053-Cut	15.9	4130 - Aspen	Poletimber Well	61	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 4 inches and greater at DBH. Create 6 retention pockets for spruce/fir 25 feet in diameter or equivalent amount. Green tree 1 pulp/saw sized spruce or fir for every acre of treatment. Do not cut pine, cedar, oak or hemlock.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce/fir and northern hardwood associates

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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60	12002060-Cut	57.7	4110 - Sugar Maple Association	Sawtimber Well	97	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
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Prescription Thin to basal area of 70-90sqft. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. 10% of the treatment area is to be composed of regeneration gaps. Leave all species represented.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood associates

Regen:

Other Canopy gaps should be focused, but not limited to, areas with advanced maple regeneration.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Approved Treatments:

49	12002049-Monitor	10.8	330 - Low-Density Trees	Nonstocked		Immature	Monitoring	Natural Regen (Re-Inventory)	6121 - Tamarack	Even-Aged	No
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Prescription Regeneration check

Specs:

Next Step

Treatments:

Acceptable tamarack, spruce, balsam, white pine and hopefully, hemlock and cedar

Regen:

Other This was checked in 2023. It has only been 5 years since harvest. Currently, 2023, it wouldn't pass but this site should be given more time before regeneration is deemed a failure.

Comment:

Site Condition

Proposed Start Date: 10/1 /2033

Total Treatment Acreage Proposed: 272.9

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Jacob Siler : Examiner

Compartment: 2

Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions						
		With Condition				5B	5C	2G	3H	3J	5E	
823	760	52		11	Aspen	6	46	3				8
26	26	0		0	Cedar							
8	8	0		0	Herbaceous Openland							
11	11	0		0	Low-Density Trees							
198	0	0		198	Lowland Conifers				169	29		
10	10	0		0	Lowland Mixed Forest							
76	76	0		0	Lowland Shrub							
73	0	0		73	Lowland Spruce/Fir				73			
271	269	0		2	Northern Hardwood			2				
13	0	13		0	Tamarack		13					
344	344	0		0	Treed Bog							
6	6	0		0	Urban							
1,860	1,511	65		284	Total Forested Acres	6	59	6	242	29		8
	81%	3%		15%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This should be cut with surrounding stand next YOE.							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand has a lot of sugar maple regeneration. This can hold tell next YOE or maybe let it convert to maple.							

Report 4 – Site Conditions

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Compartment: 2

Year of Entry: 2026

3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: vernal ponds. small intermittent drainages							
5	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Excluded maple regeneration area and wet area that should be excluded East of the road.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: vernal ponds. small intermittent drainages							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention and excluded wet areas with larger/older trees on East side.							
10	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	120	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area has lower basal area and older aspen. Lots of maple regeneration and it's adjacent to a variably wet flooded area. Would be best to let this convert to maple.							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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15	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	29	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	14	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Very wet and in poor shape. Not worth trying with such little basal area and given it's in a deer wintering area. Very small amount of mature aspen in NE corner on side of hill. See stand comments for more details.							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small amount of aspen north of train tracks was harvested with stand 45 and is 44 years old. This area should be considered for harvest with stand 45.							
19	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Jacob Siler : Examiner

Compartment: 2

Year of Entry: 2026

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	7	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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4139 - Aspen, Mixed Deciduous	Sawtimber Well	21.4	59	111-140	N/A	Trace amount of pulp sized white spruce. Age aspen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		10	Log/Pole	10		Sugar Maple	
Paper Birch		5	Pole/Log	8		Hazelnut (American)	
Quaking Aspen		58	Log	12	59	Balsam Fir	
Balsam Poplar		15	Log	12		Balsam Poplar	
Black Cherry		2	Pole	6			
Basswood		10	Log/XLog	14	85		
2	622 - Lowland Shrub	Nonstocked	38.5		Unspecified	No	Very wet with very small spruce and tamarack. One small higher island area in NE corner has been left and holds very little if any practical commercial value.
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Medium	Variable	Sapling			
3	4130 - Aspen	Sawtimber Well	112.0	52	81-110	N/A	Trace amount of cedar and large white pine. Chopper's choice. This stand has decent amount larger diameter older trees. Good amount of merchantable fir in understory. SW corner of stand has a lowland patch of primarily tamarack just under 3 acres in size. Some other small half acre and less tamarack dominate low areas throughout.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		76	Log/Pole	10	52	Balsam Fir	
Balsam Poplar		5	Pole/Log	9		White Spruce	
Black Spruce		2	Pole	8		White Spruce	
Black Cherry		2	Pole	6		Red Maple	
Red Maple		5	Pole	8		Ironwood	
Paper Birch		5	Log/Pole	11		Sugar Maple	
Tamarack		3	Pole	6		Hazelnut (Spp.)	
Sugar Maple		2	Pole/Log	8		Black Spruce	
						Black Cherry	
						Balsam Fir	
4	6120 - Lowland Cedar	Poletimber Well	26.5	96	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		1	Log/XLog	14		Balsam Fir	
Balsam Fir		1	Pole	6		Black Ash	
Red Maple		1	Pole	6		Yellow Birch	
Black Ash		2	Pole	6		Tag Alder	
Tamarack		5	Pole	8		Northern White Cedar	
Paper Birch		2	Log/Pole	10		Black Spruce	
Northern White Cedar		68	Log/Pole	11	96		
Black Spruce		20	Pole	8			
5	622 - Lowland Shrub	Nonstocked	2.5	0	Unspecified	No	This appears to have been a decent tamarack stand, much like the one just to the East. However, a beaver dam caused the stand to get flooded and killed off all the trees. I did not see any standing water when I visited. Based on the latest imagery, 2023, the beaver dam has been removed. This stand may return to forested type in the future.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	4130 - Aspen	Sapling Well	22.6	7	Immature	N/A	Good number of residual trees in poor condition or now snags. Trace amount of pulp sized paper birch, elm and white pine. Stand was cut under Compartment 2 mix.																																																									
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7	4130 - Aspen	Sapling Well	30.5	7	Immature	N/A	Trace amount of pulp sized yellow birch and log sized basswood and white pine. Residue cherry in poor shape and dying off. This stand is a choppers choice stand with two ages but will be harvested as a same age stand and this area has a larger component of larger diameter trees so the stand is being divided to vary the age classes. Cut in 2016/2017 under Race Landing Aspen 1207115.																																																									
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8	6229 - Mixed lowland shrub	Nonstocked	22.7		Unspecified	No	
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9	6121 - Tamarack	Poletimber Well	7.6	96	111-140	N/A	Trace cherry and white pine.																							
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10	6122 - Black Spruce	Poletimber Well	1.1	96	Unspecified	N/A																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	4137 - Aspen, Birch	Sawtimber Well	8.8	61	111-140	N/A	Trace amount of red pine and cedar.																																																		
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12	4110 - Sugar Maple Association	Sawtimber Well	39.2	96	111-140	N/A	Trace amount of pulp sized cherry and paper birch.																																													
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13	3301 - Low Density Deciduous Trees	Nonstocked	1.1	0	Unspecified	No	Opening filling in with saplings
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14	4130 - Aspen	Sapling Well	38.3	18	Immature	N/A	Trace amount of larger pulp sized cherry and elm.																																				
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15	6122 - Black Spruce	Poletimber Well	45.0	96	51-80	N/A	larger trees on SE side.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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16 4130 - Aspen Poletimber Well 33.6 37 Unspecified N/A Trace amounts of paper birch and yellow birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Pole	8		Sugar Maple	Medium	>20 feet	Sapling
Sugar Maple	5	Pole	8		Ironwood	Trace	>20 feet	Sapling
Red Maple	5	Pole/Log	9					
White Spruce	2	Pole	9					
Balsam Fir	2	Pole	9					
Quaking Aspen	84	Pole	8	37				

17 4119 - Mixed Northern Hardwoods Sawtimber Well 19.4 95 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log/Pole	10		Ironwood	Low	Variable	Sapling
Paper Birch	5	Log/Pole	10		White Spruce	Low	Variable	Sapling
White Spruce	2	Log/Pole	10		Sugar Maple	Low	Variable	Sapling
Bigtooth Aspen	5	Log/XLog	14		Sugar Maple	Low	< 5 feet	Seeding
Basswood	5	Log/XLog	14					
Balsam Fir	5	Pole	8					
Red Maple	35	Log/Pole	10	95				
Ironwood	3	Pole	6					
Sugar Maple	33	Log/Pole	10					
Hemlock	2	Log/XLog	14					

18 4112 - Maple, Beech, Cherry Association Sawtimber Well 36.4 95 81-110 N/A Most maple regen on far east side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	10	Log/Pole	12		White Spruce	Low	Variable	Sapling
Red Maple	15	Log/Pole	10		Wild Red Raspberry	High	< 5 feet	Tall Shrub
Paper Birch	2	Log/Pole	10		Sugar Maple	Low	< 5 feet	Seeding
Sugar Maple	69	Log	12	95	Sugar Maple	Medium	10 - 20 feet	Sapling
Northern White Cedar	2	Log	11					
Yellow Birch	2	Pole/Log	9					

19 4139 - Aspen, Mixed Deciduous Sapling Well 71.1 23 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Pole	6		Wild Red Raspberry	Low	< 5 feet	Tall Shrub
Paper Birch	2	Sapling/Pole	4		Paper Birch	Low	Variable	Sapling
Balsam Poplar	20	Sapling/Pole	4		Red Pine	Trace	Variable	Sapling
Sugar Maple	2	Sapling/Pole	4		Red Maple	Low	Variable	Sapling
Balsam Fir	10	Pole	6		Tamarack	Trace	Variable	Sapling
White Spruce	1	Pole	6		Chokeberry	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	58	Sapling/Pole	4	23	Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
White Pine	5	XLog	18		Sugar Maple	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20 6122 - Black Spruce Poletimber Well 8.1 96 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	69	Pole	5	96	Tamarack	Low	Variable	Sapling
Tamarack	25	Pole	5		Balsam Fir	Low	< 5 feet	Seeding
Northern White Cedar	5	Log/Pole	11		Black Spruce	Low	< 5 feet	Seeding
White Pine	1	Log	12					

21 4139 - Aspen, Mixed Deciduous Sapling Well 35.4 20 Immature N/A

Trace large red pine and red pine saplings. Trace large elm and yellow birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	54	Sapling/Pole	3	20	Tag Alder	Trace	5 - 10 feet	Tall Shrub
Paper Birch	2	Sapling/Pole	3		Sugar Maple	Medium	< 5 feet	Seeding
Sugar Maple	2	Sapling	2					
Balsam Poplar	10	Sapling/Pole	3					
Red Maple	30	Sapling/Pole	3	20				
Black Cherry	2	Sapling/Pole	3					

22 6122 - Black Spruce Poletimber Well 18.7 96 51-80 N/A

Trace amount of paper birch. This gets wetter and trees smaller towards center of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/XLog	15		Tamarack	Low	Variable	Sapling
Black Spruce	50	Pole	6	96	Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	2	Pole	6		Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack	43	Pole	8					

23 4130 - Aspen Poletimber Well 16.0 25 Immature N/A

Trace amount of super canopy white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole/Sapling	6		Sugar Maple	Low	Variable	Seeding
Sugar Maple	2	Sapling	4		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
White Spruce	2	Pole/Sapling	6					
Quaking Aspen	70	Pole/Sapling	5	25				
Paper Birch	2	Sapling/Pole	4					
Red Maple	2	Sapling/Pole	4					
Black Cherry	2	Sapling	4					
Balsam Poplar	15	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 4130 - Aspen Sapling Well 19.6 17 Immature N/A Trace amount of white pine and elm

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	2		Chokeberry	Low	5 - 10 feet	Tall Shrub
Red Maple	2	Sapling	2		Sugar Maple	Trace	< 5 feet	Seeding
White Pine	2	Pole/Log	8		Red Maple	Low	< 5 feet	Seeding
Black Cherry	2	Pole	6		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
Basswood	1	Sapling	2					
Black Cherry	2	Sapling	2					
Quaking Aspen	82	Sapling	2	17				
White Spruce	1	Sapling/Pole	4					
Balsam Fir	2	Sapling	4					
Sugar Maple	1	Sapling	2					

25 4110 - Sugar Maple Association Sawtimber Well 37.9 85 81-110 N/A Trace amount of log/pole yellow birch in canopy. NW corner has little lower BA. most sm regen along aspen stand to north or under aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	1	Log/Pole	10		Sugar Maple	Low	5 - 10 feet	Sapling
Basswood	25	Log	14		Ironwood	Low	< 5 feet	Sapling
Quaking Aspen	5	Log	12		Mixed Sedges/Grasses	Low	Unspecified	Non-Wood
Red Maple	5	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Sugar Maple	64	Log/Pole	12	97	Sugar Maple	Low	< 5 feet	Seeding
					Leatherwood	Medium	< 5 feet	Tall Shrub
					White Spruce	Low	Variable	Sapling
					Balsam Fir	Low	>20 feet	Pole
					Hazelnut (American)	Low	5 - 10 feet	Tall Shrub

28 6129 - Mixed Coniferous Lowland Forest Poletimber Poor 29.3 88 1-50 N/A This is a buffer to the creek that comes from the Michigamme River to the north

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	5	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	35	Pole/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	35	Log/Pole	10	88	Black Spruce	Low	< 5 feet	Sapling
Tamarack	10	Log/Pole	10					
Black Ash	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29	4130 - Aspen	Poletimber Well	15.4	23	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling/Pole	3		Sugar Maple	Medium	Variable	Sapling
Quaking Aspen	68	Pole/Sapling	5	23	White Spruce	Low	Variable	Sapling
Red Maple	10	Sapling	3		Red Maple	Medium	5 - 10 feet	Sapling
Balsam Poplar	5	Sapling/Pole	4		Hazelnut (Spp.)	Low	< 5 feet	Tall Shrub
Balsam Fir	10	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
White Spruce	2	Pole/Sapling	5		White Pine	Trace	Variable	Sapling

30	4130 - Aspen	Poletimber Well	12.2	53		N/A	Trace amount of canopy white pine, sugar maple, cherry, and paper birch
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Balsam Fir	Low	Variable	Sapling
Balsam Poplar	10	Pole	8		Sugar Maple	High	10 - 20 feet	Sapling
Red Maple	2	Log/Pole	10		Sugar Maple	Medium	< 5 feet	Seeding
Quaking Aspen	83	Pole	8	53	Red Maple	Low	Variable	Sapling
					Hazelnut (American)	Low	Variable	Tall Shrub
					White Spruce	Low	Variable	Sapling

31	6229 - Mixed lowland shrub	Nonstocked	5.4			No	
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32	4130 - Aspen	Sapling Well	17.2	16	Immature	N/A	This has aspen regen in some areas and nothing in a lot of the space because hardwood was the main species and it did not regenerate or sprout or anything else
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Sapling/Pole	3		Red Maple	Low	< 5 feet	Seeding
Balsam Fir	5	Sapling/Pole	4		Sugar Maple	Low	< 5 feet	Seeding
Quaking Aspen	86	Sapling	3	16				
White Spruce	2	Sapling/Pole	4					
Red Maple	5	Sapling	1					

33	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	10.3	96	81-110	N/A	Trace elm. Some red maple upland on north side. Sugar maple regeneration can be found scattered throughout.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	2	Pole	8		Balsam Fir	Low	< 5 feet	Sapling
Red Maple	15	Log/Pole	11		Sugar Maple	Medium	< 5 feet	Seeding
Black Ash	25	Pole	7		Red Maple	Low	Variable	Sapling
Northern White Cedar	33	Log	11	96	Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	2	Log/Pole	10		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	10	Pole	8					
Balsam Fir	5	Pole	6					
Yellow Birch	1	Log	11					
Quaking Aspen	2	Log/XLog	16					
Tamarack	5	Pole/Log	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34 6129 - Mixed Coniferous Lowland Forest Poletimber Well 24.5 94 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	38	Pole	6	94	Balsam Fir	Low	Variable	Seeding
White Pine	5	Log/Pole	11		Black Spruce	Low	Variable	Seeding
Hemlock	1	Log	14		Tag Alder	Low	Variable	Tall Shrub
Paper Birch	1	Log/Pole	10		Tamarack	Low	Variable	Sapling
Tamarack	30	Pole	8		Northern White Cedar	Trace	< 5 feet	Seeding
Red Maple	5	Pole	8		White Pine	Low	Variable	Sapling
Northern White Cedar	20	Log/Pole	11					

35 4130 - Aspen Sapling Well 4.2 7 Immature N/A cut with Race Landing Aspen in 2016

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	88	Sapling	1	7
Balsam Poplar	10	Sapling	1	
Black Cherry	2	Sapling	1	

37 4130 - Aspen Sapling Well 12.2 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Sugar Maple	5	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Paper Birch	2	Sapling/Pole	4		Sugar Maple	Low	Variable	Sapling
Balsam Poplar	9	Sapling/Pole	4		Black Cherry	Low	Variable	Sapling
Balsam Fir	8	Pole/Sapling	6					
Quaking Aspen	74	Sapling/Pole	4	25				

38 4130 - Aspen Poletimber Well 66.8 37 N/A Trace rp

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	1	Pole	8		Red Pine	Trace	Variable	Sapling
Quaking Aspen	98	Pole	8	37	Tamarack	Trace	Variable	Sapling
Sugar Maple	1	Pole	8		Red Maple	Medium	< 5 feet	Seeding
					Wild Red Raspberry	Medium	< 5 feet	Tall Shrub
					Black Cherry	Low	Variable	Sapling
					Balsam Fir	Low	Variable	Sapling
					Sugar Maple	Low	< 5 feet	Seeding
					White Spruce	Low	Variable	Sapling
					Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39	4110 - Sugar Maple Association	Sawtimber Poor	51.1	90	1-50	N/A	There are a lot of vernal ponds in this stand. Cut in 2018 under Compartment 2 Mix.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole	5		Wild Red Raspberry	Medium	< 5 feet	Tall Shrub
Paper Birch	8	Log/Pole	10		Balsam Poplar	Low	5 - 10 feet	Sapling
Quaking Aspen	1	Log	14		Quaking Aspen	High	10 - 20 feet	Sapling
Black Cherry	1	Pole/Log	8		Paper Birch	Medium	5 - 10 feet	Sapling
White Pine	2	Log	14		Yellow Birch	Trace	5 - 10 feet	Sapling
Hemlock	4	Log/XLog	16		White Spruce	Low	Variable	Sapling
Yellow Birch	2	Log	10		Basswood	Low	5 - 10 feet	Sapling
Sugar Maple	79	Log/Pole	10	90	Sugar Maple	Medium	5 - 10 feet	Sapling
Northern White Cedar	1	Pole/Log	8		Hazelnut (American)	Low	5 - 10 feet	Tall Shrub
					Balsam Fir	Low	Variable	Sapling
					Cherry (spp.)	Medium	< 5 feet	Sapling
					Red Maple	Medium	5 - 10 feet	Sapling

40	4130 - Aspen	Poletimber Well	71.8	41	81-110	N/A	Trace amount of log sized white pine and cedar.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole	6		Sugar Maple	Low	< 5 feet	Seeding
Quaking Aspen	63	Pole/Log	9	41	Black Cherry	Low	Variable	Sapling
Balsam Fir	8	Pole	6		Balsam Fir	Medium	Variable	Sapling
Paper Birch	2	Pole	6		Ironwood	Low	Variable	Sapling
Black Cherry	1	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Red Maple	1	Pole	6		Sugar Maple	Medium	Variable	Sapling
Balsam Poplar	10	Pole	9		White Spruce	Low	Variable	Sapling

41	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	120.0	96	51-80	N/A	balsam fir 1 percent for sw stand and remove yb.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	1	Pole	6		Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	47	Log/Pole	11	96	Northern White Cedar	Trace	< 5 feet	Seeding
Black Ash	2	Pole	6		Balsam Fir	Low	Variable	Sapling
Paper Birch	2	Log/Pole	10		Black Spruce	Low	Variable	Sapling
Balsam Poplar	1	Pole/Log	9		Yellow Birch	Trace	Variable	Sapling
Quaking Aspen	1	Log/XLog	14		Black Ash	Low	Variable	Sapling
Balsam Fir	5	Pole	6					
Black Spruce	30	Pole	8					
Yellow Birch	1	Pole	6					
Tamarack	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	4130 - Aspen	Sapling Well	16.6	7	Immature	N/A	Retention and excluded wet areas with larger/older trees on East side.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole/Log	8		Balsam Fir	Low	Variable	Sapling
American Elm	5	Pole/Log	8		Sugar Maple	Low	< 5 feet	Sapling
Quaking Aspen	75	Sapling	1	7	Cherry (spp.)	Low	< 5 feet	Sapling
Balsam Poplar	10	Sapling	1		White Spruce	Low	Variable	Sapling
Red Maple	5	Sapling	1					

43	6229 - Mixed lowland shrub	Nonstocked	3.1		Unspecified	No	
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44	6224 - Treed Bog	Nonstocked	163.3			No	Very wet with very small spruce and tamarack. One small higher island area in NE corner has been left and holds very little if any practical commercial value.
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Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	Variable	Sapling

45	4130 - Aspen	Poletimber Well	19.0	45	141-170	N/A	Trace amount of paper birch. Thick sugar maple sapling around maple stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	95	Pole	9	45	Black Cherry	Trace	Variable	Sapling
					Balsam Fir	Low	>20 feet	Pole
					White Pine	Trace	Variable	Sapling
					Sugar Maple	Medium	Variable	Sapling
					Red Maple	Medium	Variable	Sapling
					White Spruce	Low	Variable	Sapling

46	4110 - Sugar Maple Association	Sawtimber Well	8.7	95	81-110	N/A	Trace amount of paper birch, cedar and yellow birch in canopy. Lots of sapling maple regen. Mostly sedge under regen.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log	14	95	White Spruce	Low	Variable	Sapling
Basswood	10	Log	14		Ironwood	Medium	10 - 20 feet	Sapling
Black Ash	2	Log	14		Balsam Fir	Low	Variable	Sapling
Balsam Fir	5	Pole	8		Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	13	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 4112 - Maple, Beech, Cherry Association Sawtimber Well 20.8 90 81-110 N/A Vernal ponds present. Trace amount of white pine, ash, white birch, balsam poplar and cherry in canopy. Cut in 2018 under Compartment 2 Mix.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	74	Log	11	90	Quaking Aspen	Trace	5 - 10 feet	Sapling
Red Maple	9	Log	11	90	Wild Red Raspberry	High	5 - 10 feet	Tall Shrub
Yellow Birch	4	Log/XLog	14		White Spruce	Low	Variable	Sapling
Basswood	5	Log/XLog	16		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	2	Pole/Log	9		Sugar Maple	High	< 5 feet	Seeding
Hemlock	4	Log/XLog	16		Sugar Maple	Low	>20 feet	Sapling
Quaking Aspen	2	Log	11					

48 4130 - Aspen Poletimber Well 44.3 36 81-110 N/A Trace amount of pulp sized cherry, paper birch and ironwood. Some older aspen present. Some choppers choice in here but vast majority of the stand originates from cut in the 80s

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	6	Pole	6		Sugar Maple	Medium	Variable	Sapling
Tamarack	1	Pole	6		Tamarack	Low	Variable	Sapling
Quaking Aspen	90	Pole/Log	8	36	White Spruce	Low	Variable	Sapling
Balsam Fir	3	Pole	6		Balsam Fir	Medium	Variable	Sapling
					Red Maple	Medium	Variable	Sapling

49 330 - Low-Density Trees Nonstocked 10.4 Immature 612 - Lowland Coniferous Forest Some small black spruce, balsam fir, and a few tamarack present. Trace amount of residue cedar and sapling sized paper birch and red maple. Needs more time for regeneration check. Check again next YO. Medium amount of tag alder.

50 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 10.5 96 1-50 N/A Very patchy. Some upland on edge with cedar and large hemlock.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log/XLog	18		Tamarack	High	Variable	Sapling
White Pine	5	Log/Pole	11		Black Spruce	Low	Variable	Sapling
Tamarack	30	Pole	6		Red Maple	Low	Variable	Sapling
Northern White Cedar	10	Log/Pole	11					
Red Maple	2	Pole	6					
Black Spruce	48	Pole	5	96				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51 4139 - Aspen, Mixed Deciduous Poletimber Well 87.9 36 N/A Trace amount of log sizer red pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	2	Pole	6		Red Maple	Medium	Variable	Sapling
Paper Birch	5	Pole	5		White Spruce	Low	< 5 feet	Sapling
White Spruce	1	Pole	6		Tag Alder	Medium	< 5 feet	Tall Shrub
Quaking Aspen	45	Pole/Sapling	5	36	Tamarack	Trace	5 - 10 feet	Sapling
Sugar Maple	1	Pole/Log	8		Black Ash	Low	Variable	Sapling
Balsam Fir	10	Pole	6		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	2	Sapling/Pole	4		Balsam Fir	High	< 5 feet	Sapling
Balsam Poplar	30	Pole/Sapling	5					
Black Cherry	2	Sapling/Pole	4					
Red Maple	2	Pole/Log	8					

52 4130 - Aspen Sawtimber Well 19.9 52 141-170 N/A Trace amount of paper birch in canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	Low	Variable	Sapling
White Spruce	2	Pole	6		White Spruce	Low	Variable	Sapling
Balsam Fir	2	Pole	8		Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	91	Log/Pole	10	52	Balsam Fir	High	Variable	Pole
					Black Cherry	Trace	Variable	Sapling
					White Spruce	Medium	Variable	Pole
					Black Cherry	Low	Variable	Pole

53 4130 - Aspen Poletimber Well 19.7 61 111-140 N/A Trace amount of white pine. Small amount of aspen north of train tracks was harvested with stand 45 and is 44 years old. This area should be considered for harvest with stand 45.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	48	Pole/Log	9	61	Balsam Poplar	Trace	Variable	Pole
Black Spruce	5	Pole	6		Black Spruce	Low	Variable	Sapling
Bigtooth Aspen	20	Log/Pole	10		Balsam Fir	Medium	>20 feet	Pole
Balsam Fir	5	Log/Pole	10		Black Cherry	Low	Variable	Pole
Sugar Maple	2	Pole	8		White Spruce	Low	Variable	Sapling
Red Maple	10	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Log/Pole	10		White Spruce	Low	>20 feet	Pole
White Spruce	5	Log/Pole	10		Tag Alder	Trace	5 - 10 feet	Tall Shrub

54 6224 - Treed Bog Nonstocked 180.8 0 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Tamarack	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
55	6121 - Tamarack	Poletimber Well	5.0	99	81-110	N/A																																																									
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56	110 - Low Intensity Urban	Nonstocked	5.7			No	Sawyer Lake Road																																																								
57	4139 - Aspen, Mixed Deciduous	Sapling Well	6.4	17	Immature	N/A	Trace amounts of pole sized elm.																																																								
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58	3102 - Grass	Nonstocked	7.7			No	Field filling in with primarily cherry. Spruce, balsam and aspen also present. Some tag alder present.																																																								
59	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	13.8	87	51-80	N/A	Higher area with 2.5 acres of mature aspen in NE corner. Would need to make improvements to grade off Sawyer Lake Rd for log truck or go through the yard of adjacent landowner. I think it's best to leave this area as an older aspen component of the compartment. Trace white pine.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60 4110 - Sugar Maple Association Sawtimber Well 57.7 97 111-140 N/A Trace amount of pulp sized paper birch, cherry, black ash, white pine, and elm.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	1	Log	10		Sugar Maple	Low	Variable	Sapling
White Ash	2	Pole/Log	8		Black Cherry	Trace	Variable	Sapling
Basswood	10	Log/XLog	14		Ironwood	Medium	Variable	Sapling
Hemlock	1	Log/XLog	15		Leatherwood	Medium	5 - 10 feet	Tall Shrub
Balsam Poplar	1	Log	12		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	1	Log	12		Balsam Fir	Low	Variable	Pole
Yellow Birch	3	Log	11		Tamarack	Trace	Variable	Sapling
Sugar Maple	79	Log	11	97	Tamarack	Trace	>20 feet	Pole
Red Maple	2	Log/Pole	11		White Pine	Trace	>20 feet	Pole
					Sugar Maple	Medium	< 5 feet	Seeding

61 6229 - Mixed lowland shrub Nonstocked 4.1 0 No Very patchy. Some upland on edge with cedar and large hemlock. new stand north of 48.