



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12115

Entry Year 2024

Acreage: 1,598

County Iron

Management Area: Michigamme Reservoir

Stand Examiner: Ed Rice

Legal Description:

T44N R31W Sections 11, 13, 14, 15, 24, 25

T44N R30W Section 18

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Continue to sustainably balance the aspen age class acres. Get the hardwood stands on a 20 year alternating cutting cycle towards regulation. Protect the riparian areas and transition zones during management activity.

Soil and topography:

Soils are generally fine sandy loams areas of muck soils in the low ground areas. The topography ranges from fairly steep rolling to flat and low swamp land.

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

The west side of the compartment is broken in state ownership. The remainder is contiguous state ownership. Large blocks of private ownership border the compartment. Active forest management has occurred and will continue within and surrounding the compartment.

Unique Natural Features:

None identified

Archeological, Historical, and Cultural Features:

None identified

Special Management Designations or Considerations:

Entire compartment is winter deer range and is heavily used in both uplands and lowlands.

Watershed and Fisheries Considerations:

Waterbodies within this compartment include a portion of Shiner Lake and the Crescent Pond Outlet. All should have a 100 ft. buffer.

Wildlife Habitat Considerations:

Deer numbers are fair in the area. Wolves also use the compartment and the surrounding area. Only a small portion in the west end of the compartment falls within the identified 1977 deer wintering area. However, the entire compartment is heavily utilized as a deer wintering area as evidenced by actual observed winter deer use. Upland conifers should be promoted and lowland conifer stands should be maintained and enhanced to continue providing good winter cover.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and an end moraine of coarse-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Hemlock and Michigamme Formations subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines are located six miles to the south. The nearest gravel pit is several miles away, locally known as Chickenfoot Junction. There is no economic oil and gas production in the UP.

Vehicle Access:

Good access overall. The west blocks are limited in access due to private land but still remain open to use. Access is severely limited during spring breakup.

Survey Needs:

T44N R30/31W S1/16 sec 13,18

T44N R31W witness corner W of center 1/4 sec 13

Recreational Facilities and Opportunities:

None

Fire Protection:

Much of the compartment is composed of aspen timber types with balsam fir and hazel understory. Northern hardwoods and mixed upland conifers also predominate. Access for fire suppression is excellent overall. There are multiple private camps immediately adjacent to the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

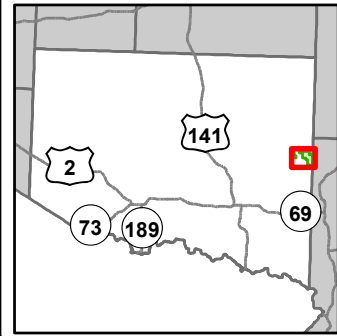
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

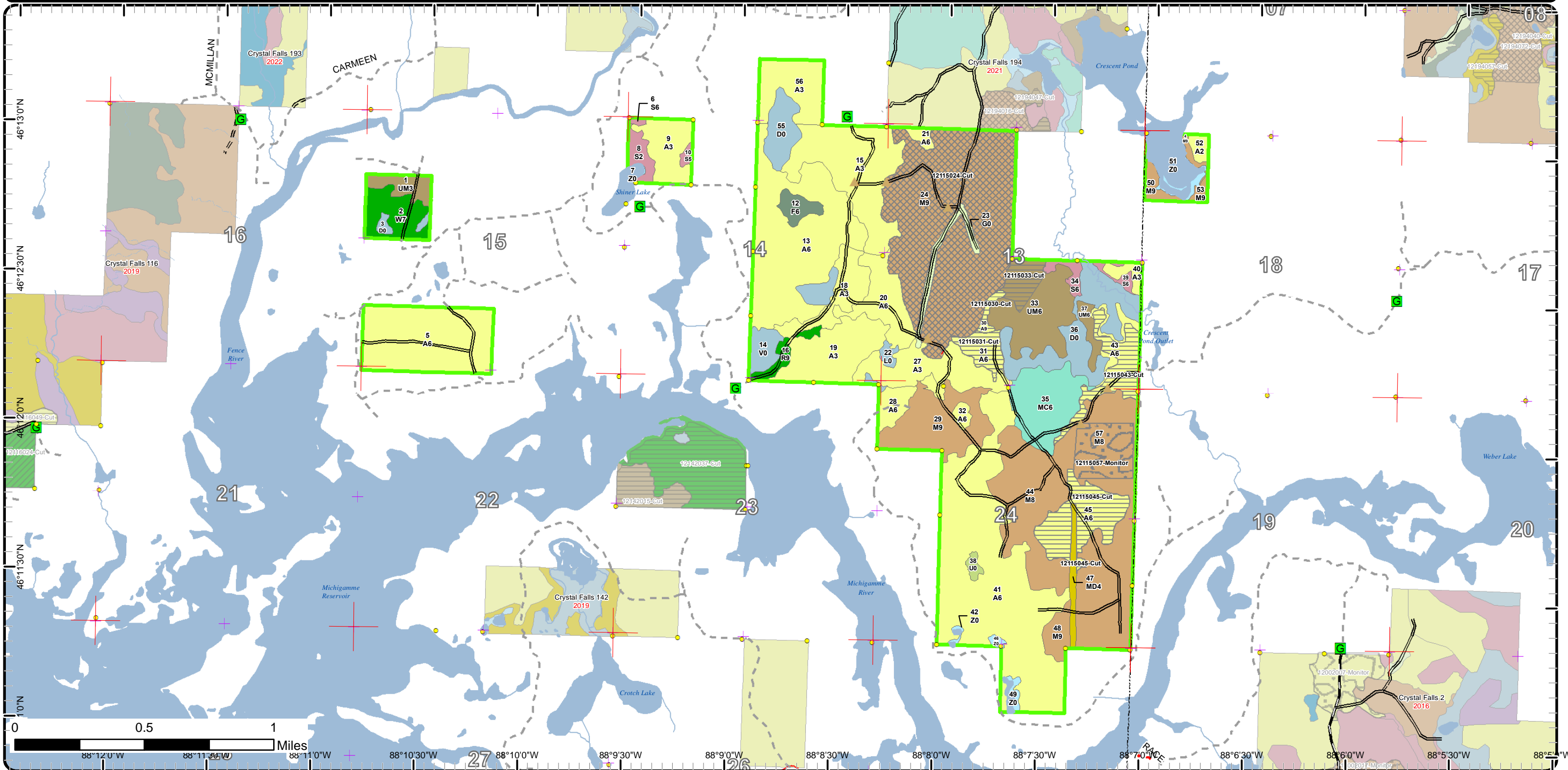
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 115
 T44N, R31W, Sec. 11, 13-15, 24,
 25
 T44N, R30W, Sec. 18
 County: Iron
 Unit: Crystal Falls
 Mgmt Area: Michigamme
 Reservoir
 YOE: 2024
 Acres: 1597.8 GIS Calculated
 Examiner: Ed Rice
 Map Revised: 11/18/2022
 Map Phase: Post-Review

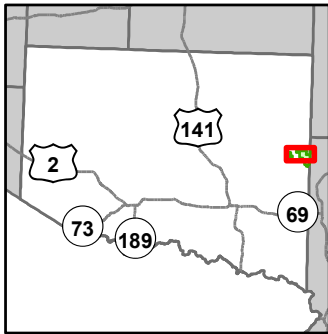


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Berms
- Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub

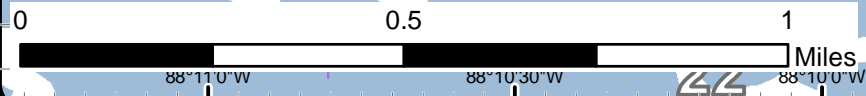
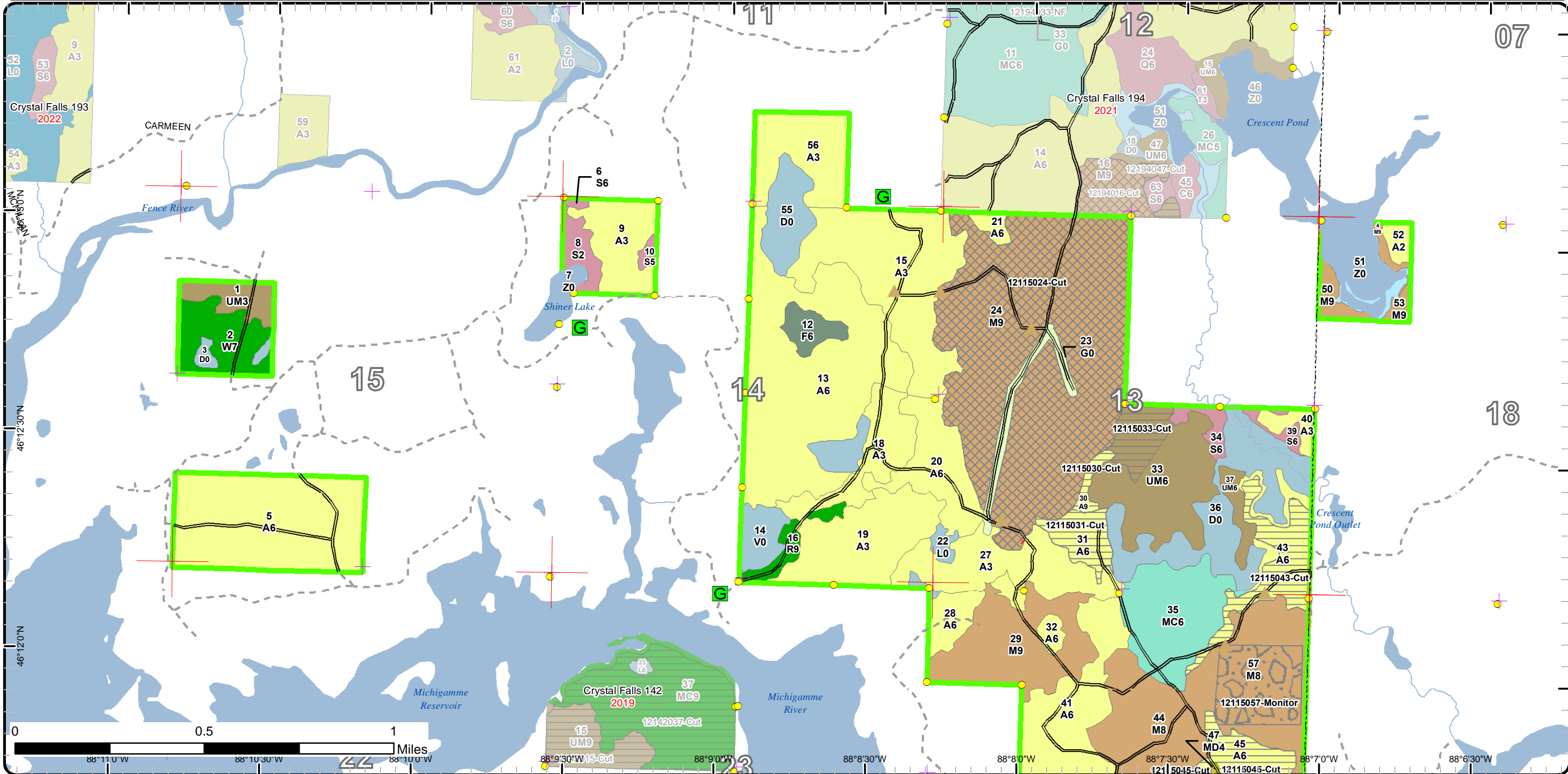


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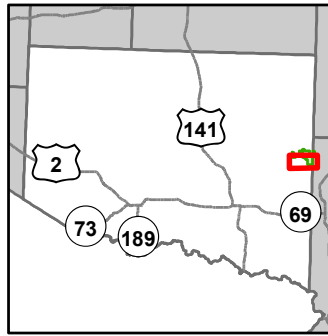
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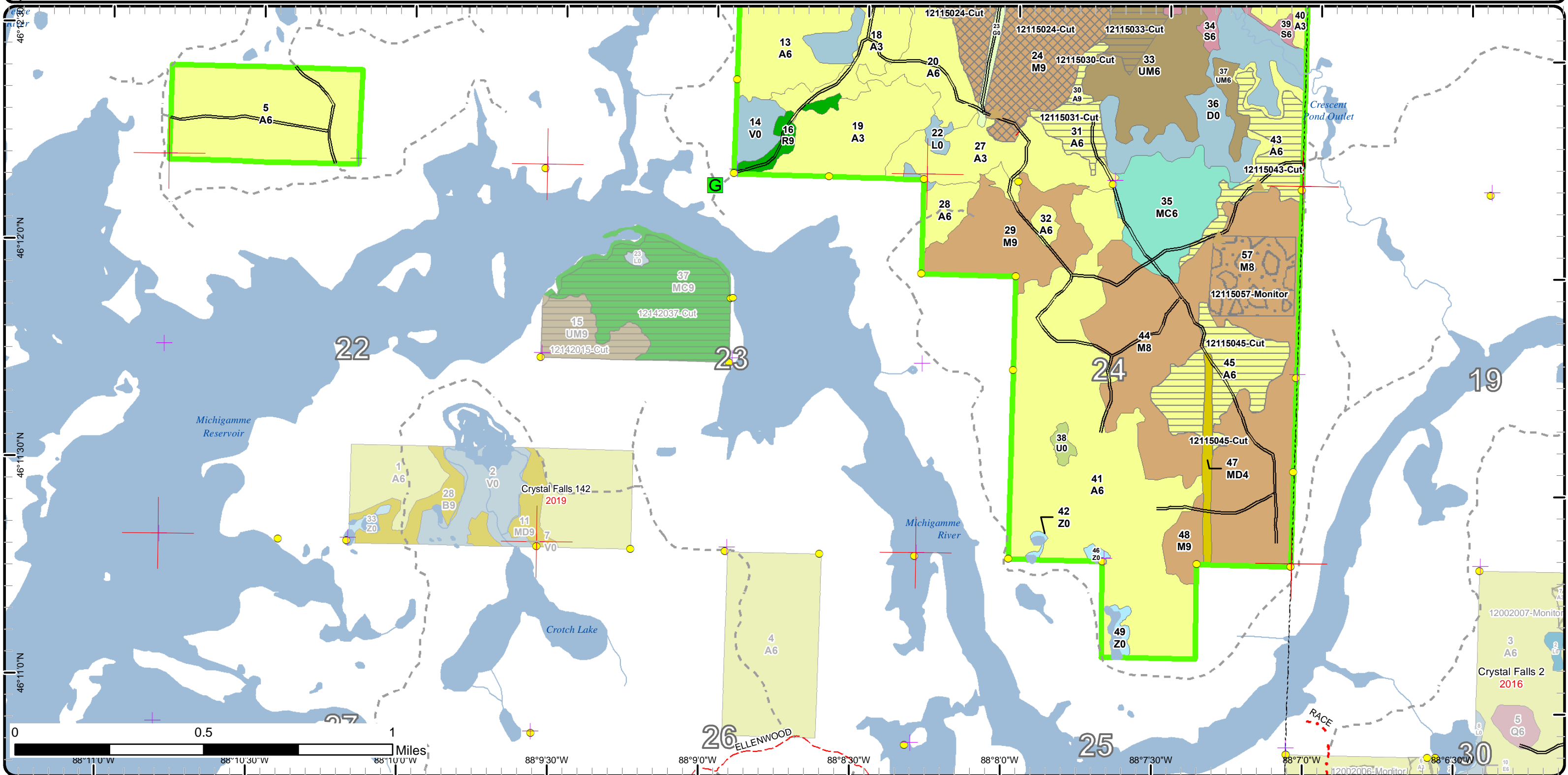
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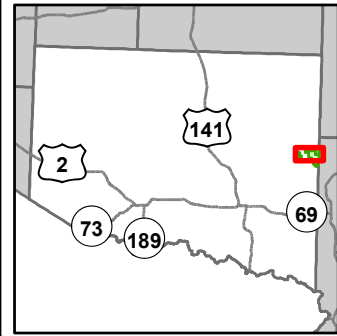


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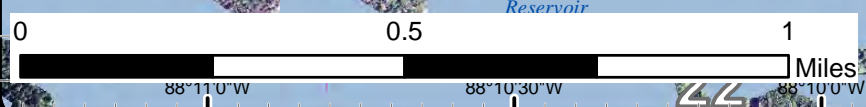
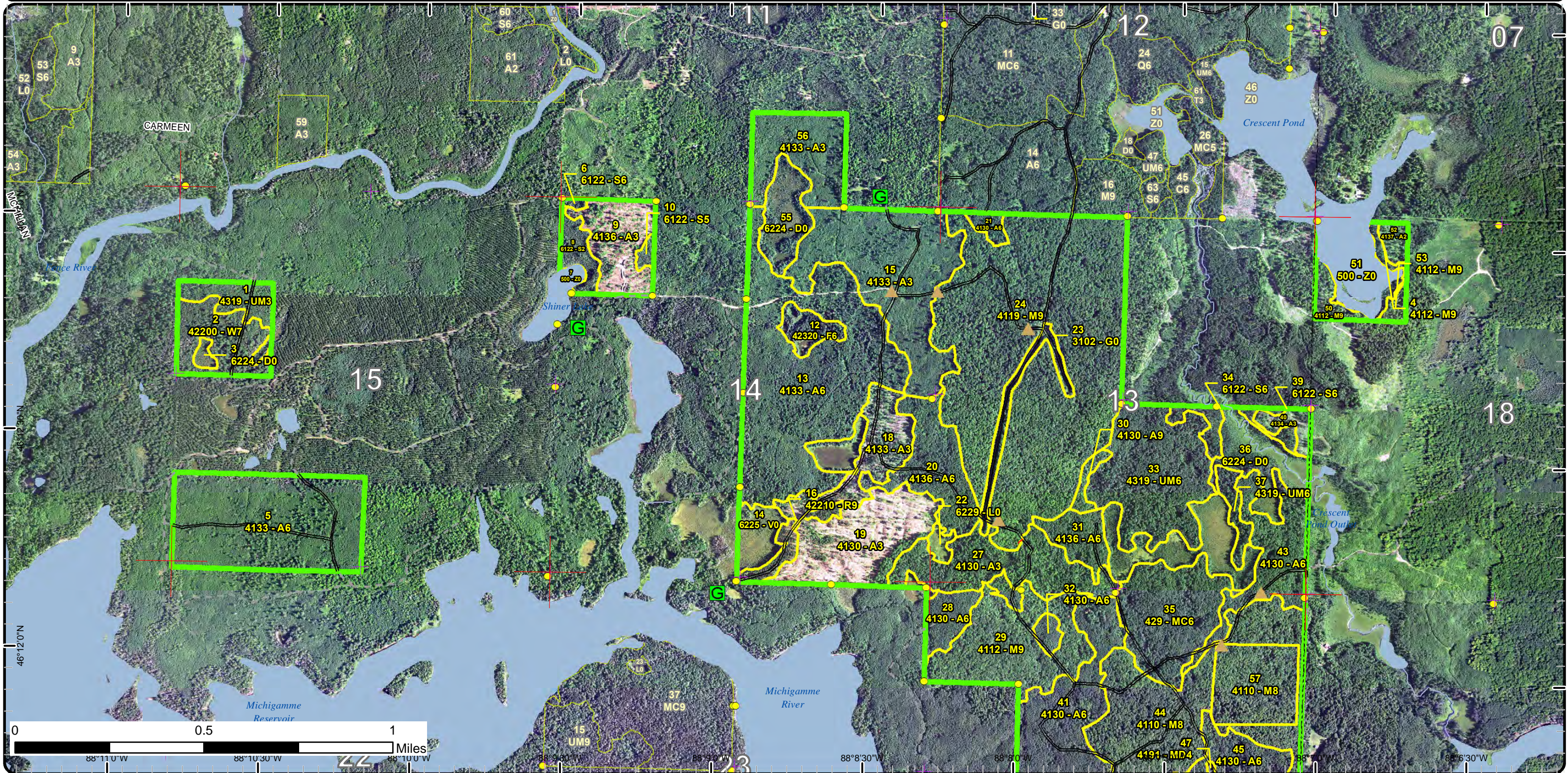


Stand Boundary Map

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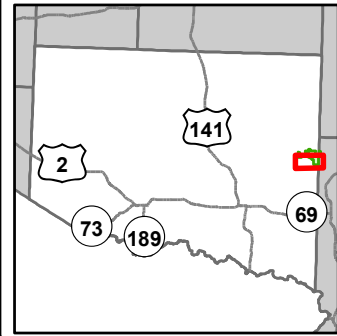


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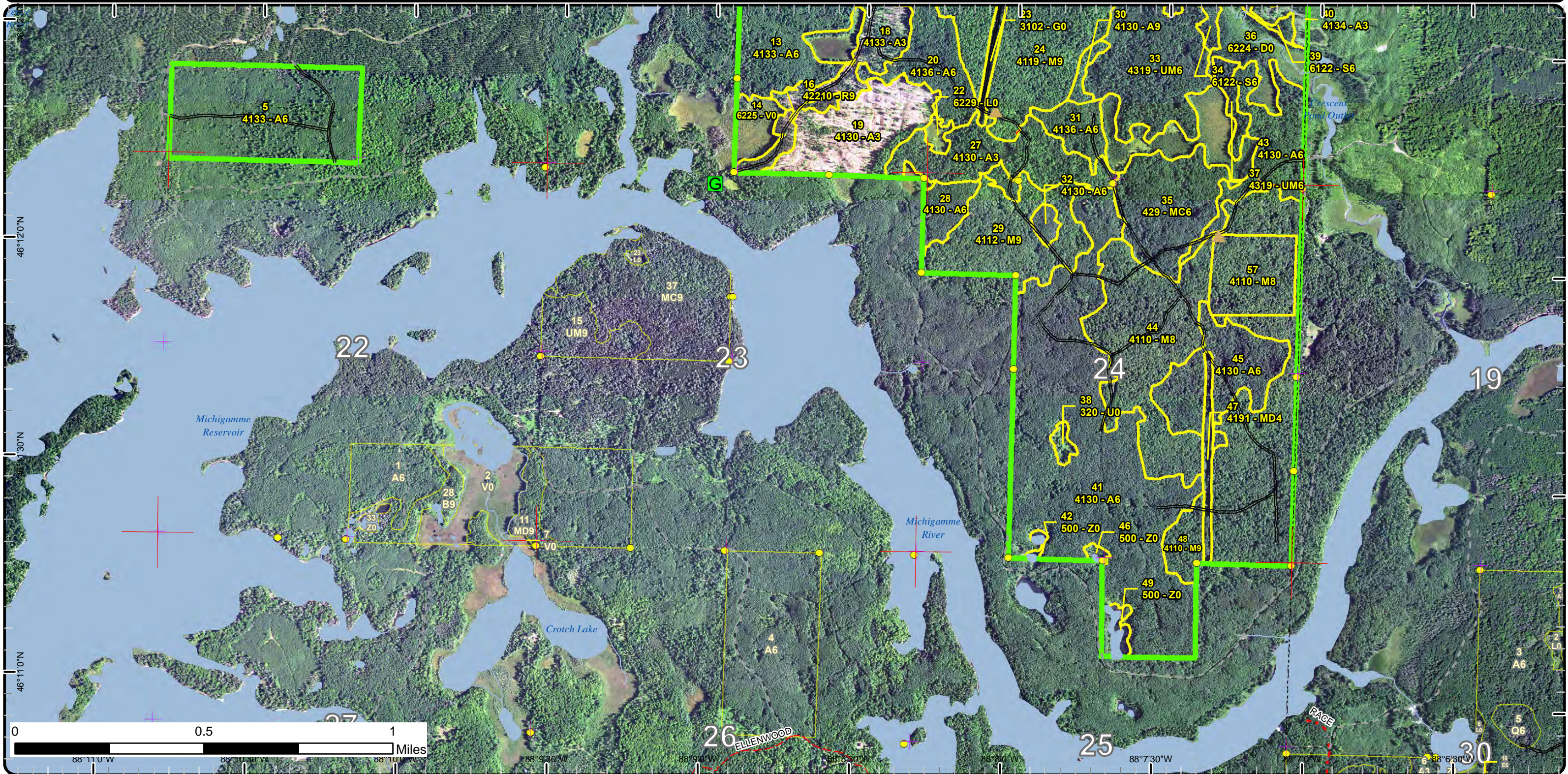


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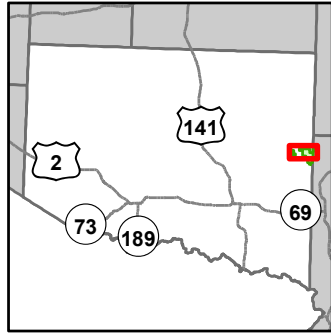


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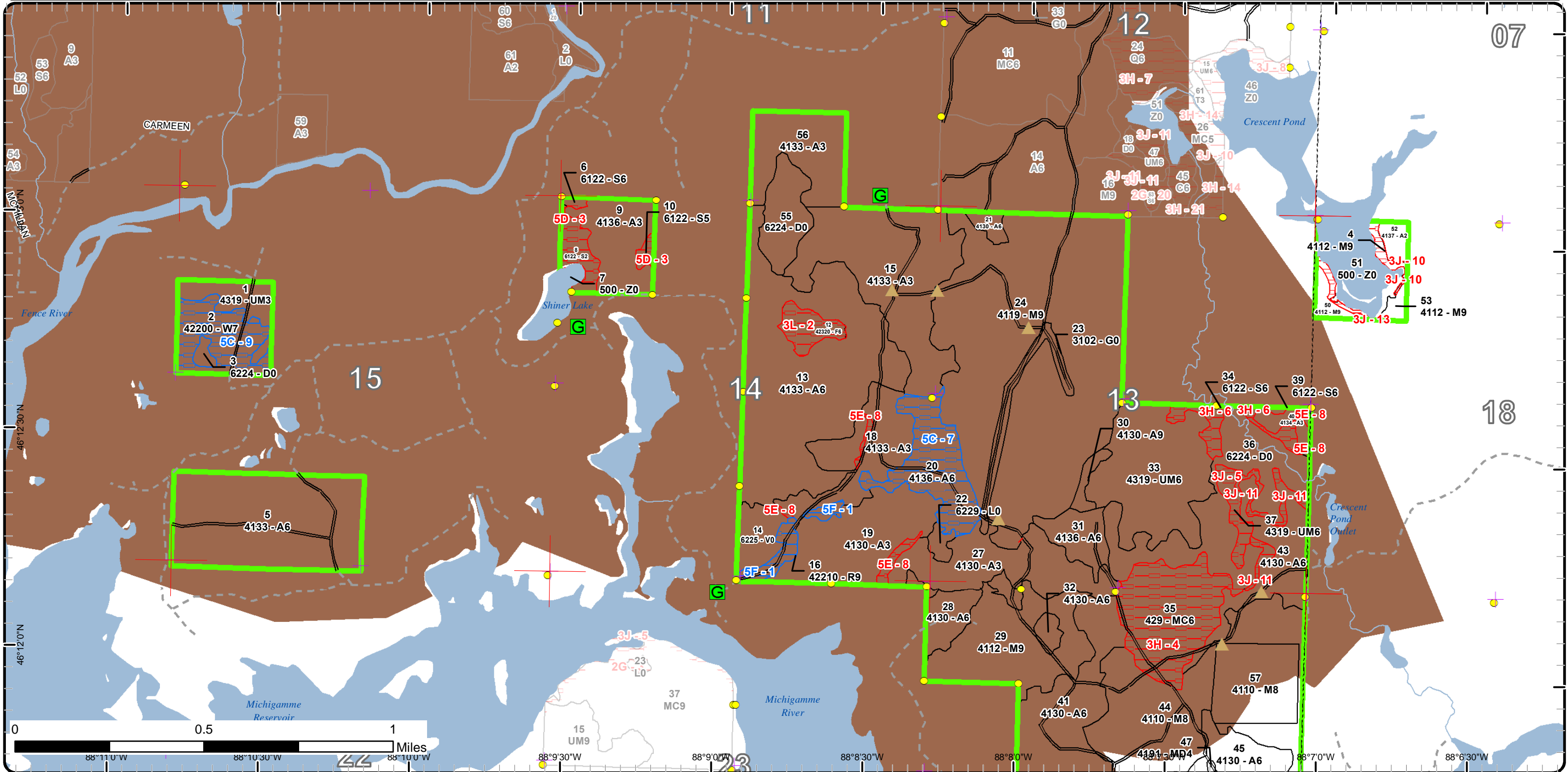


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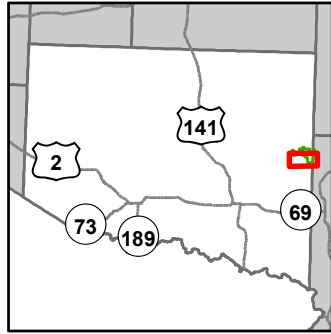


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range

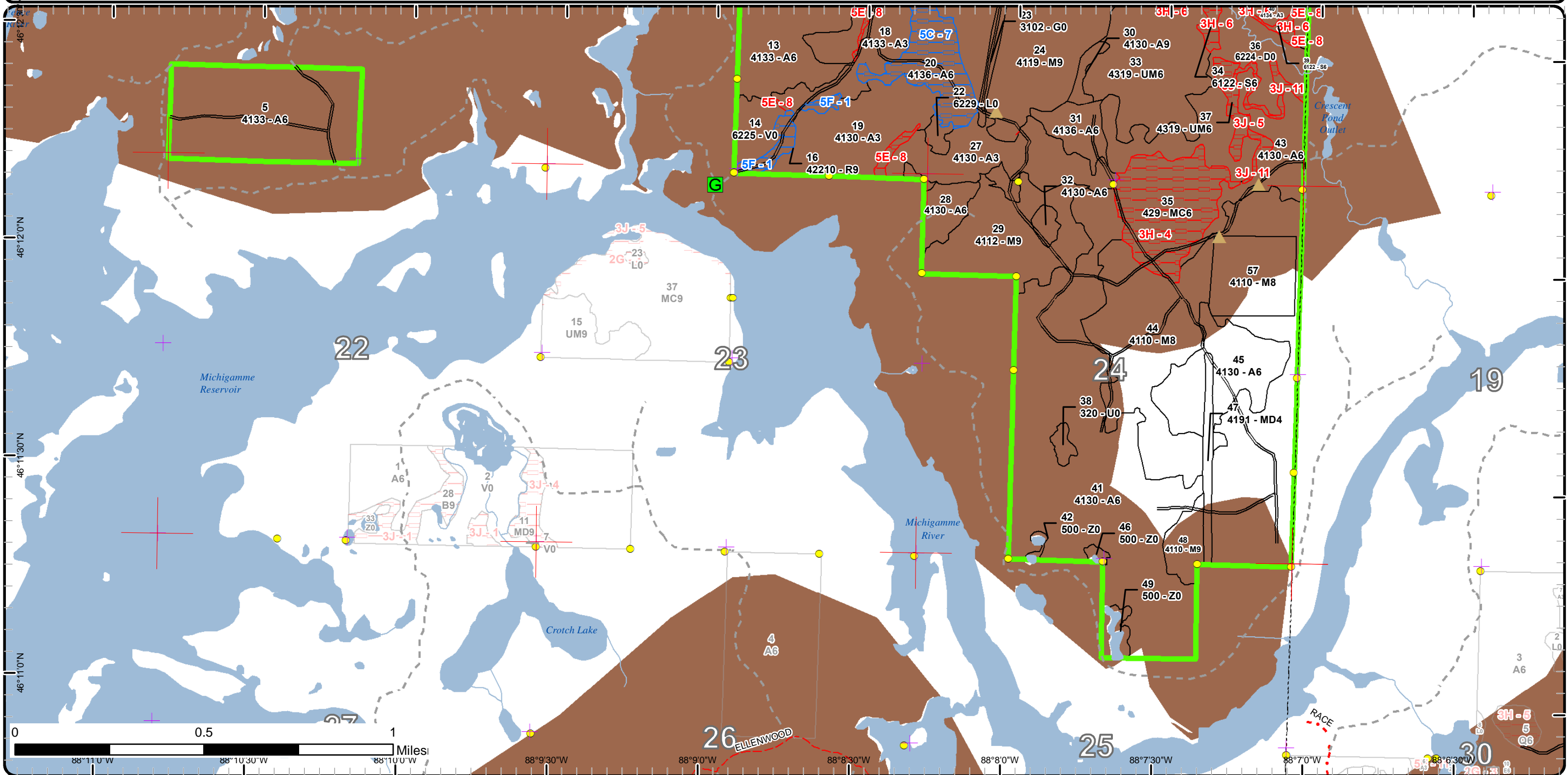


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- Stand Boundaries
- Deer Winter Range



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	149	107	81	312	21	77	44	0	0	0	0	0	0	0	0	0	0	789
Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Spruce/Fir	0	0	0	0	0	0	0	19	0	2	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	0	12	41	0	0	0	0	0	0	0	422	475
Red Pine	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Treed Bog	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
Upland Conifers	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	44
Upland Mixed Forest	0	0	0	12	0	58	0	0	7	0	0	0	0	0	0	0	0	0	77
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Spruce/Fir	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
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	0	0	0	0	24	0	0	0	0	0	0	24
Total	142	149	107	101	312	79	121	63	28	51	0	24	0	0	0	0	0	422	1597



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 115
Total Compartment Acres: 1,598

Commercial Harvest - 306
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	83	0	0	0	0	0	0	0	0	83
Northern Hardwood	0	209	0	0	0	0	0	0	0	209
Upland Mixed Forest	14	0	0	0	0	0	0	0	0	14
Total	97	209	0	0	0	0	0	0	0	306

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	306	0	0	0	0	0	30	0	0	337
Next Step	0	0	0	0	0	0	306	0	0	306
Total	306	0	0	0	0	0	337	0	0	643



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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Approved Treatments:

24	12115024-Cut	209.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription thin to 70 BA. remove in order of priority: high risk trees that likely will not survive or decrease in value due to defects to the next cutting cycle (20 yrs). financially mature trees (18" dbh and larger), and if needed, thin from below to meet BA. [basswood removal - attempt to capture the value of sawlogs/veneer, avoid marking pulpwood sized trees]. keep all species represented in the stand, do not remove all of one species. leave at least one super canopy h maple per acre where available. do not cut w pine, y birch, cedar or hemlock. exclude any vernal areas found

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable N hardwood

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

30	12115030-Cut	3.8	4130 - Aspen	Sawtimber Well	68	Unspecified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription cut merchantable (1 stick and larger) aspen, w birch, maple and cherry. cut spruce/fir 7 " stump diameter and larger (2 sticks and larger).
Specs: leave one w birch, cherry per cruise point where available. do not cut w pine, r pine

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, spruce fir

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

31	12115031-Cut	13.1	4136 - Aspen, Mixed Conifer	Poletimber Well	59	Unspecified	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription cut merchantable (1 stick and larger) aspen, maple, w birch, spruce, fir, and cherry. leave one w birch/cherry per cruise point where available. do not cut w pine, r pine, y birch, elm

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, spruce, fir

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	33 12115033-Cut	14.0	4319 - Mixed Upland Forest	Poletimber Well	44	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> cut merchantable aspen, r maple, w birch, spruce, fir and cherry.. leave one w birch, cherry per cruise point where available. protect</p> <p><u>Specs:</u> submerchantable conifer. do not cut w pine, y brich, elm</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, spruce, fir, pine</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 /2023</p>											
	43 12115043-Cut	26.2	4130 - Aspen	Poletimber Well	59	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> cut merchantable (1 stick and larger)aspen, maple, w birch, cherry. leave one maple, w birch, cherry per cruise plot where available. do not</p> <p><u>Specs:</u> cut w pine, r pine, elm, ash</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, spruce, fir</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 /2023</p>											
	45 12115045-Cut	39.9	4130 - Aspen	Poletimber Well	65	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> cut merchantable aspen, r maple, w birch, and cherry. cut spruce/fir 7" stump diameter and larger (2 sticks and larger). leave one w birch,</p> <p><u>Specs:</u> cherry per cruise point where available. do not cut w pine, y brich, elm</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, spruce, fir</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 /2023</p>											
	57 12115057-Monitor	30.1	4110 - Sugar Maple Association	Sawtimber Medium	82	81-110	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwoods</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 3 /11/2021</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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Total Treatment Acreage Proposed: 336.5

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 115

Year of Entry: 2024

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

	Availability for Management			Dominant Site Condition	Dominant Site Conditions						
	Acres	Available	With Condition		5C	5F	3H	3J	3L	5D	5E
790	747	31	11	Aspen	31			7	0		5
19	19	0	0	Bog							
11	11	0	0	Herbaceous Openland							
4	4	0	0	Lowland Shrub							
21	0	0	21	Lowland Spruce/Fir			9			12	
8	8	0	0	Mixed Upland Deciduous							
476	471	0	5	Northern Hardwood				5			
8	0	8	0	Red Pine		8					
73	73	0	0	Treed Bog							
44	0	0	44	Upland Conifers			44				
77	70	0	7	Upland Mixed Forest				7			
3	3	0	0	Upland Shrub							
9	0	0	9	Upland Spruce/Fir					9		
32	32	0	0	Water				0			
24	0	24	0	White Pine	24						
1,598	1,438	63	97	Total Forested Acres	55	8	54	18	9	12	5
	90%	4%	6%	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	5F: Evaluated for Forest Health Considerations	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: not feasible to thin again at this time, not enough volume of r pine to make it worthwhile. successive thinning reducing the BA lower will also set the stand up for windthrow off the adjacent open bog							
2	Unavailable	3L: Other wildlife concerns	9	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: heavy deer usage 2/14/12 - stand acting as thermal cover break between A3 stands. Stand surrounded by A3							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 115

Year of Entry: 2024

3	Unavailable	5D: Unproductive Forest Land	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: low SI b spruce, interior is stunted small diameter							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments: only remaining intact conifer cover in area							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: hold one more rotation to widen age class diversity with adjacent A3 stands							
8	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Ed Rice : Examiner

Compartment: 115

Year of Entry: 2024

9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: delay treatment to allow aspen growth into viable merchantable timber							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	3L: Other wildlife concerns	5E: Long-Term Retention	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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	4319 - Mixed Upland Forest	Sapling Well	12.2	25	51-80	N/A	Aspen 3 - 5" dbh 16 - 25' feet tall. some stems just moving into poletimber size class. associated highly stocked fir/spruce saplings																																															
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2	42200 - Natural White Pine	Sawtimber Poor	24.4	100	51-80	N/A	Aspen saplings under w. pine. heavy associated fir/spruce saplings. pockets heavier to A3 where pine canopy is not as closed. scattered w pine saplings																																															
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3	6224 - Treed Bog	Nonstocked	3.2		Unspecified	No	leatherleaf with scattered, stunted tamarack, b spruce.																																															
4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	2.7	79	51-80	N/A	small pockets of advanced h maple regen and fir regen - fir is mainly closer to pond.. good pocket of y birch. hardwood quality is low, r maple has prevalent defect.																																															
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5	4133 - Aspen, Mixed Pine	Poletimber Well	80.7	25	Unspecified	N/A	Aspen 30 - 35' tall, 2 - 6"dbh. fir in small pockets throughout. scattered w pine/r pine sawtimber throughout, areas with heavier pine overstory. w birch saplings mainly along road edge, with thick w pine/r pine saplings also along road edges. stand just moving into poletimber size class. stand actually A5/A3																																															
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7	500 - Water	Nonstocked	2.4		Unspecified	No	small pond ringed by leatherleaf bog																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
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9	4136 - Aspen, Mixed Conifer	Sapling Well	25.5	6	Immature	N/A	stand harvested in 2016 under Corbett Lake Aspen #1206115. advanced maple regen was left along with submerch spruce/fir. SE corner of stand is very poor quality, open b cherry saplings. heavy deer usage 2/13/12																																																				
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10	6122 - Black Spruce	Poletimber Medium	2.0	81	Unspecified	N/A	better quality b spruce at edge and 50 - 70' into stand. deeper in b spruce fades out to saplings, stunted b spruce and tamarack. stand runs roughly 8 cords/acre.																																																				
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12	42320 - Upland Spruce	Poletimber Well	8.8	74	Unspecified	N/A	spruce 3 - 12" dbh, appears to have two age classes. associated aspen 6 - 12" dbh. very widely scattered j pine. heavy deer usage 2/14/12 - stand acting as thermal cover break between A3 stands.																																																				
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13	4133 - Aspen, Mixed Pine	Poletimber Well	118.1	30	Unspecified	N/A	aspen saplings 3 - 6" dbh, 25 - 35' tall. associated w pine/r pine - short trees with low limbs. scattered pine inclusions. just moved into poletimber size class. spruce fir component																																																				
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14	6225 - Bog	Nonstocked	19.0		Unspecified	No	leatherleaf bog, scattered stunted b spruce																																																				



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15	4133 - Aspen, Mixed Pine	Sapling Well	73.8	17	Unspecified	N/A	aspen 2- 4" dbh. w pine/r pine sawtimber and poletimber scattered throughout with areas of well stocked pine 60 -70 BA. associated w spruce/fir saplings and small poletimber. widely scattered b cherry 6 - 8" dbh																																											
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16	42210 - Natural Red Pine	Sawtimber Well	7.7	83	81-110	N/A	Thinned under Corbett Lake Aspen 1206115 in 2016. well formed r pine 6 - 18" dbh, nice clear boles. associated w pine 18" + , good w pine seedlings/saplings throughout. keep BA highly stocked to avoid windthrow off of adjacent open bog																																											
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18	4133 - Aspen, Mixed Pine	Sapling Well	25.6	6	Immature	N/A	Harvested in 2016 under Corbett Lake Aspen #1206115. low quality site for aspen - sand component. well formed w pine/r pine. far W end of stand is heavier to pine stocking.																																											
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19	4130 - Aspen	Sapling Well	45.6	6	Immature	N/A	Aspen regen. associated w birch - showing prevalent top die back. very low quality M7 component in NE of stand																																											
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20	4136 - Aspen, Mixed Conifer	Poletimber Well	30.9	50	Unspecified	N/A	Aspen 7 - 10" dbh, occasional 12" dbh. very widely scattered w pine and r pine, associated r maple. scattered cherry. stand is holding together well.																																											
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21	4130 - Aspen	Poletimber Well	3.8	40	Unspecified	N/A	aspen 40 - 50' tall, 3 - 6" dbh. scattered spruce/fir small pole sized. occasional large w pine 18 - 20" dbh																																																											
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22	6229 - Mixed lowland shrub	Nonstocked	4.4		Unspecified	No	leatherleaf bog																																																											
23	3102 - Grass	Nonstocked	10.6		Unspecified	No	old ELF row clearing. grass opening. associated w spruce, fir saplings along edge.																																																											
24	4119 - Mixed Northern Hardwoods	Sawtimber Well	209.4	80	111-140	N/A	fair to good form, clear boles to 20 - 25', 2 - 2 1/2 log heights. inclusions of 16 - 20" dbh maple. H maple saplings 2 - 4' tall throughout. widely scattered upland cedar and large w pine. widely scattered w birch, notably on S end. SW corner heavier to ironwood and holds lower quality maple in transition to adjacent aspen stand. No successful maple regen evident from recent thinning. Heavy deer browse on stump sprouts average stand 120 BA																																																											
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29	4112 - Maple, Beech, Cherry Association	Sawtimber Well	49.4	82	81-110	N/A	scattered h maple saplings regenerating from last thinning. fair quality h maple. b cherry has blacknot. scattered upland cedar. rolling hills. average stand 90 BA																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4130 - Aspen	Sawtimber Well	3.8	68	Unspecified	N/A	aspen 8 - 12" dbh. stand is a transition area from aspen/mixed softwood into mixed hardwoods.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		15	Pole	7		Sugar Maple	
Red Maple		15	Pole	7		Red Maple	
Quaking Aspen		60	Pole/Log	10	68	Density	
White Spruce		5	Log/Pole	12		Avg. Height	
Black Cherry		5	Pole	8		Size	
						Sugar Maple	
						Low	
						5 - 10 feet	
						Sapling	
						Red Maple	
						Low	
						5 - 10 feet	
						Sapling	
31	4136 - Aspen, Mixed Conifer	Poletimber Well	13.1	59	Unspecified	N/A	aspen 8 - 12" dbh. many areas very thick to spruce/fir saplings 20 - 25' tall, notably the E end of stand. scattered pockets of larger spruce windthrow. stand cut in 1964, areas of residual aspen were left creating a 2 aged stand, overall stand is 47 yrs old. mucj less winter deer usage than adjacent stands. areas of smaller diameter trees throughout.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		10	Pole	7		White Spruce	
White Pine		5	Log	18		Balsam Fir	
White Spruce		5	Log	12		Density	
Paper Birch		5	Pole	8		Avg. Height	
Red Maple		10	Pole	7		Size	
Quaking Aspen		65	Pole/Log	8	59	White Spruce	
						High	
						10 - 20 feet	
						Sapling	
						Balsam Fir	
						Full	
						10 - 20 feet	
						Sapling	
32	4130 - Aspen	Poletimber Well	3.6	46	Unspecified	N/A	aspen 4- 8" dbh
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		10	Sapling/Pole	3		Quaking Aspen	
Quaking Aspen		90	Pole/Sapling	6	46	Density	
						Avg. Height	
						Size	
						Quaking Aspen	
						High	
						< 5 feet	
						Sapling	
33	4319 - Mixed Upland Forest	Poletimber Well	57.9	44	51-80	N/A	aspen 4 - 8" dbh, scattered 12 - 14" dbh - isolated inclusions of mature aspen left as residual from previous cut. thick spruce/fir regen, small poletimber 4 - 7" dbh. some winter deer use 2/16/22 14" snow. one of the last stands with conifer component that will act as a snow intercept
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		10	Pole/Log	10		White Spruce	
Balsam Fir		40	Pole/Sapling	7	57	Balsam Fir	
White Pine		5	XLog	20		Density	
Quaking Aspen		45	Pole/Log	8	44	Avg. Height	
						Size	
						White Spruce	
						High	
						< 5 feet	
						Sapling	
						Balsam Fir	
						High	
						< 5 feet	
						Sapling	
34	6122 - Black Spruce	Poletimber Well	5.5	60	Unspecified	N/A	good transition buffer between upland aspen spruce/fir to open marsh grass.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		90	Pole/Sapling	6	60	Balsam Fir	
Tamarack		10	Pole/Sapling	6		Tag Alder	
						Density	
						Avg. Height	
						Size	
						Balsam Fir	
						Low	
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						Sapling	
						Tag Alder	
						High	
						5 - 10 feet	
						Tall Shrub	
35	429 - Mixed Upland Conifers	Poletimber Well	44.4	59	51-80	N/A	aspen 6 - 12" dbh with larger diameters scattered throughout left from previous cut. pockets of w pine/r pine sawtimber. w pine is dispersed throughout stand with scattered j pine at the N end. areas of highly stocked spruce/fir saplings 2 - 4" dbh with the W end heavier to F3 understory. heavily browsed h maple seedlings. very heavy winter deer use 2/16/22 16" snow.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		20	Pole	7		Hazelnut (Beaked)	
White Pine		10	Log/Pole	12		White Spruce	
Balsam Fir		20	Pole/Sapling	6		Sugar Maple	
Red Pine		10	Log	14		Black Cherry	
Quaking Aspen		40	Log	11	59	Density	
						Avg. Height	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
36	6224 - Treed Bog	Nonstocked	51.4		Unspecified	No	leatherleaf bog with stunted b spruce 5 - 10' tall																																										
37	4319 - Mixed Upland Forest	Poletimber Well	6.8	79	51-80	N/A	aspens 8 - 16" dbh. good w pine/r pine sawtimber. spruce windthrow along bog edges. winter deer use. keep for buffer to lowlands and deer cover																																										
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38	320 - Upland Shrub	Nonstocked	2.8		Unspecified	No	raspberry opening. scattered b cherry saplings. open grown spruce saplings 3 - 4" dbh																																										
39	6122 - Black Spruce	Poletimber Well	3.6	67	Unspecified	N/A	b spruce along creek/marsh. transition from swamp grass to upland aspen ridge. heavy deer usage 2/24/12, very good pure tamarack inclusion in S central of the stand 8 - 14" dbh.																																										
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42	500 - Water	Nonstocked	1.3		Unspecified	No	small isolated pond. used by beaver in the past - heavy cutting around pond edges.																																										



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43	4130 - Aspen	Poletimber Well	32.7	59	Unspecified	N/A	aspen 8 - 12" dbh. very little understory stocking. scattered spruce/fir saplings. edges along bog heavier to b spruce - left as transition buffers to lowland in the previous cut. area in SW of stand are heavier stocked to h maple saplings 8-15; tall																																																	
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45	4130 - Aspen	Poletimber Well	39.9	65	Unspecified	N/A	aspen 6 - 7 sticks tall, scattered spruce/fir. W end has little spruce/fir, very heavy hazel																																																	
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46	500 - Water	Nonstocked	1.4		Unspecified	No	small isolated pond. used by beaver in the past - heavy cutting around pond edges.																																																	
47	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	8.0	25	1-50	N/A	old ELF line growing into balm 3 - 6" dbh. edges have spruce/fir saplings. portions remain open to grass/low upland brush																																																	
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48	4110 - Sugar Maple Association	Sawtimber Well	11.0	82	81-110	N/A	low to fair quality maple. many "wolfy" trees W end of stand heavier to w birch. average stand 90 BA																																																	
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49	500 - Water	Nonstocked	3.5		Unspecified	No	pond																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
50	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.4	79	51-80	N/A	small pockets of advanced h maple regen and fir regen - fir is mainly closer to pond.. good pocket of y birch. hardwood quality is low, r maple has prevalent defect.																																													
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51	500 - Water	Nonstocked	23.7		Unspecified	No	Crescent Pond																																													
52	4137 - Aspen, Birch	Sapling Medium	4.5	5	Immature	N/A	small pockets of advanced h maple regen and fir regen - fir is mainly closer to pond.. good pocket of y birch. hardwood quality is low, r maple has prevalent defect.																																													
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55	6224 - Treed Bog	Nonstocked	18.4	0	Unspecified	No	b spruce bog, scattered j pine along SW edge																																													
56	4133 - Aspen, Mixed Pine	Sapling Well	32.7	16	Immature	N/A	aspen, with pockets of w pine, r pine.																																													
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