



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12032

Entry Year 2026

Acreage: 4,024

County Dickinson

Management Area: Ralph Moraine

Stand Examiner: Deb Goupell

Legal Description:

T44N R27W Sec 27, 28, 33, 34 T43N R27W Sec 3-5, 9, 10

Identified Planning Goals:

This compartment is about two-thirds lowland. Aspen makes up most of the upland cover type with a mix of upland combinations comprising the rest of the uplands, including just over 200 acres of hardwood. Management of all stands is to balance age class distribution and allow best suited species to grow on best suited sites while promoting sustainable timber production, and enhancing and protecting wildlife habitat. Hardwood management goals are to put growth on the best trees in place by removing crown competition and selectively harvest on an alternating 20 year rotation.

Soil and topography:

The majority of the lowland is dominated by Carbondale and Cathro mucks and some peats. Rousseau and Zimmerman fine sands and Escanaba loamy fine sand, which are well drained soils found on level to rolling hills, dominate the uplands.

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

The compartment is contiguous State land with one private landowner within. State land adjoins the compartment on all sides except the far north/northeast. The area is heavily used by loggers, hunters, fishermen, campers, trappers, and ATV riders.

Unique Natural Features:

West Branch of the Escanaba and North Branch of the Ford Rivers

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The northern region of this compartment borders the West Branch Escanaba River. The West Branch Escanaba River is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July temperature of 67.3 °F (cool stream). The southern region of this compartment borders the North Branch Ford River. The North Branch Ford River is a Type 1 trout stream less than 50-ft wide and has a predicted mean July temperature of 66.9 °F (cool stream). 300' buffers are recommended for the West Branch Escanaba River and the North Branch Ford River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100 feet, plus 5 feet per 1% increase in slope, buffer is recommended to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Aspen harvest should provide age class diversity that is favorable for grouse, woodcock, deer, bear and numerous songbirds. Den and snag trees should be retained for both game and non-game species. Mesic conifers and lowland conifers should be retained and promoted whenever possible to provide diversity, and cover.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The State-owned Buckler Road Pit is just outside the southwest end of the compartment; the pit is currently leased to the Dickinson County Road Commission. Most of the compartment consists of low wetlands, but there is some good potential for sand & gravel in the compartment on the few isolated upland drumlins. However, the compartment might be too far from populated areas (markets) for any aggregate resources present to have much economic potential beyond use by the county road commission or DNR for local road maintenance. Some remote geophysical surveys covering this area have been conducted and have revealed a potential metallic mineral target in the subsurface of the south end of the compartment in the form of a linear magnetic anomaly. No known boreholes have been drilled to test this geophysical feature, but the site has good potential for future exploration, and State-owned mineral rights covering the feature are currently leased or nominated for leasing. 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:

Buckler Road & Skelly Ranch Road are the primary access along the south third; additional access is via unimproved two-track roads. The north portion of the State land in this compartment is accessed via private property over a private bridge.

Survey Needs:

None

Recreational Facilities and Opportunities:

Hunting, camping, fishing, trapping, hiking, canoeing.

Fire Protection:

Felch protection area. Access to most upland stands is fair, access to some swamp types would be difficult.

Additional Compartment Information:

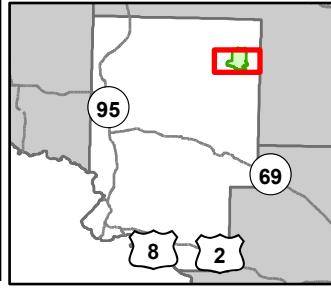
The following reports from the Inventory are attached:

- 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**

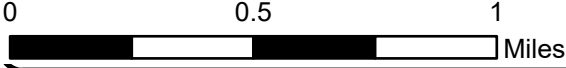
The following information is displayed, where pertinent, on the attached compartment maps:

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

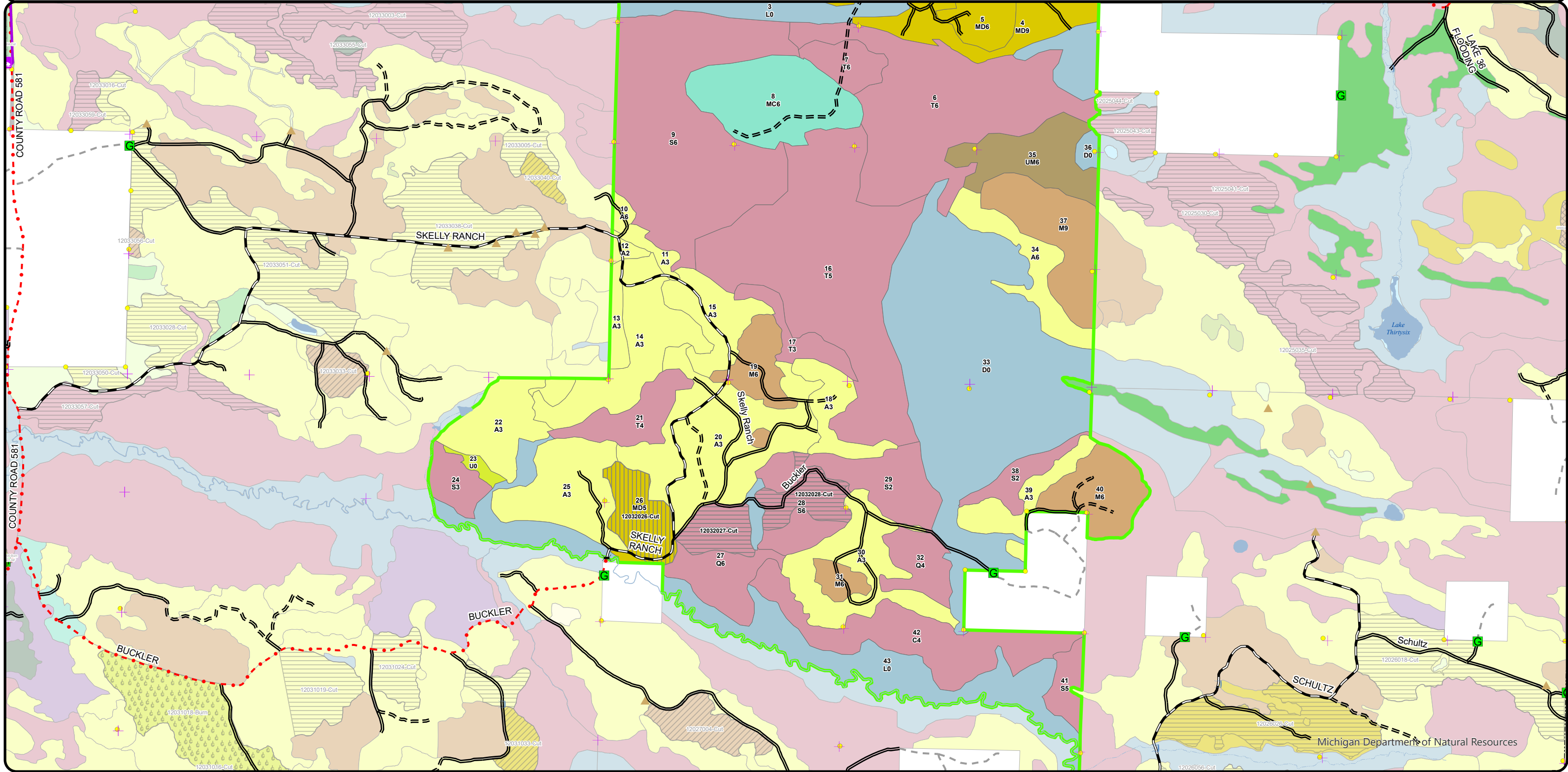
Cover Type & Treatments Map



Compartment: 12032
 T44N, R27W, Sec: 27, 28, 33,
 34
 County: Dickinson
 Unit: Crystal Falls
 Mgmt Area: Ralph Moraine
 YOE: 2026
 Acres: 4024.1 GIS Calculated
 Examiner: Deb Goupell
 Map Revised: 07/15/2024
 Map Phase: Web - Post

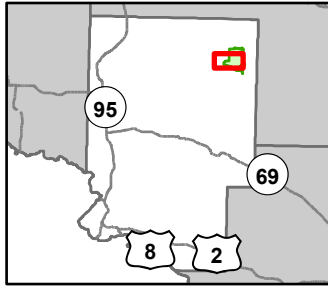


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|------------------------------------|------------------------------------|-----------------------------|-----------------------------------|
| ▲ Berms | — Designated Snowmobile Trails | — Intermittent Stream | ■ 411 - Northern Hardwood |
| ■ Gate | — DNR - Primary Forest Road | — Lake/Pond | ■ 413 - Aspen Types |
| ✕ Bridges | — DNR - Secondary Forest Road | — Perennial River | ■ 419 - Mixed Upland Deciduous |
| □ Culvert | == DNR - Forest Access Route | ■ Lakes and Rivers | ■ 429 - Mixed Upland Conifers |
| ● Survey Grade Corners | - - - County - Gravel Road | □ Compartment Boundary | ■ 430 - Upland Mixed Forest |
| ⊕ Remonumented Section Corners | — Private - Paved Road | □ Counties | ■ 612 - Lowland Coniferous Forest |
| ■ Snowmobile Trails | - - - Private - Dirt / Gravel Road | ▨ Clearcut (w/Reserves) | ■ 330 - Low Density Trees |
| ■ Designated Hunter Walking Trails | ⋯ DNR - Management Access | ▨ Shelter Wood (w/Reserves) | ■ 622 - Lowland Shrub |



**Special Conservation Areas
& Site Conditions Map**

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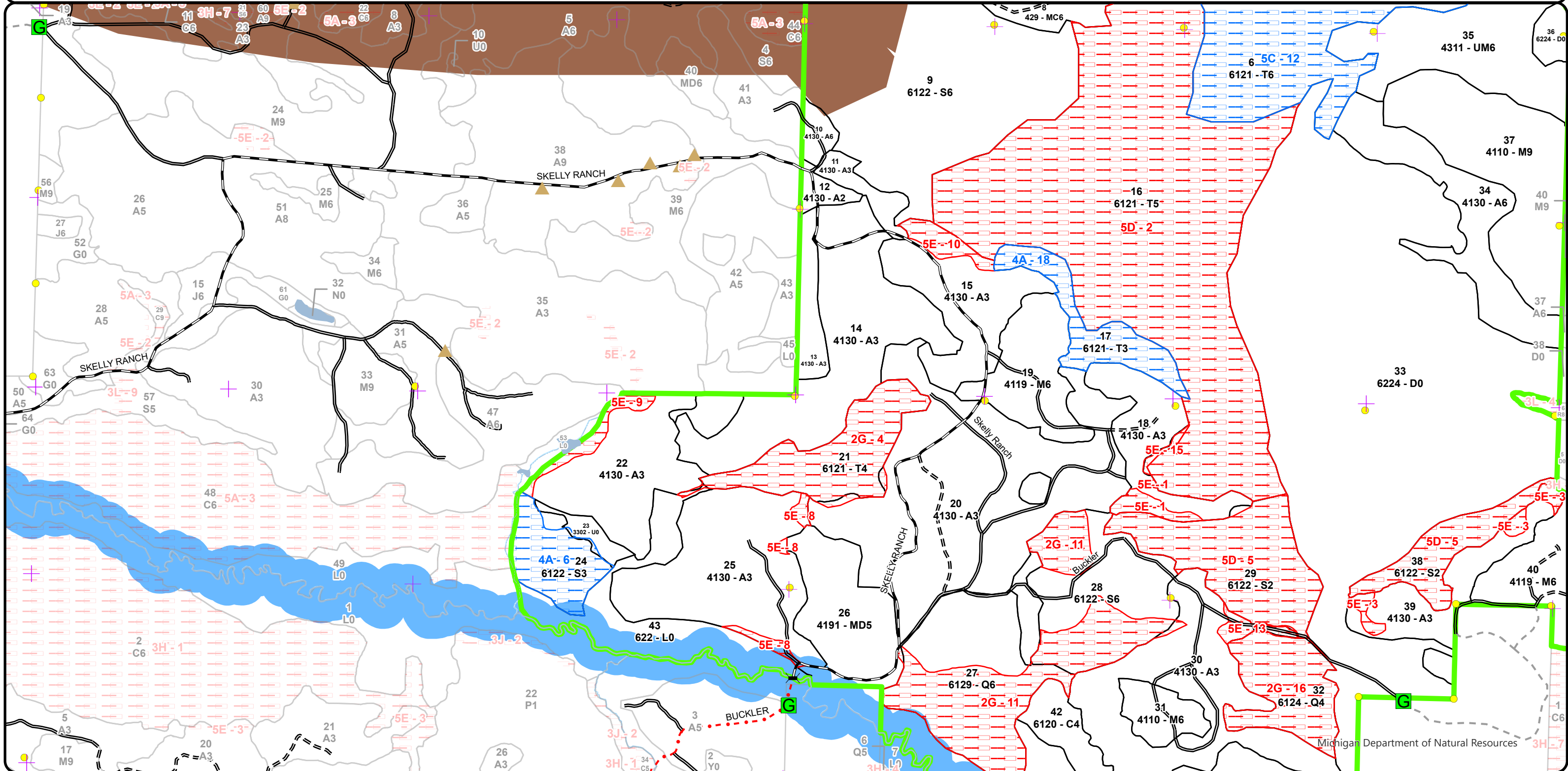
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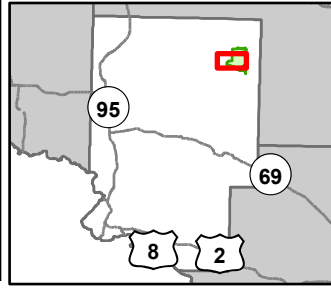
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- Gate
- Bridges
- Survey Grade Corners
- Remonumented Section Corners
- DNR - Primary Forest Road
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- DNR - Forest Access Route
- County - Gravel Road

- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- Available w/ Constraints
- Unavailable

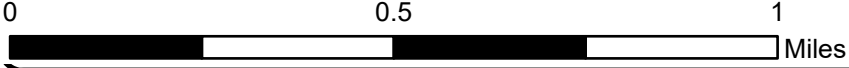
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



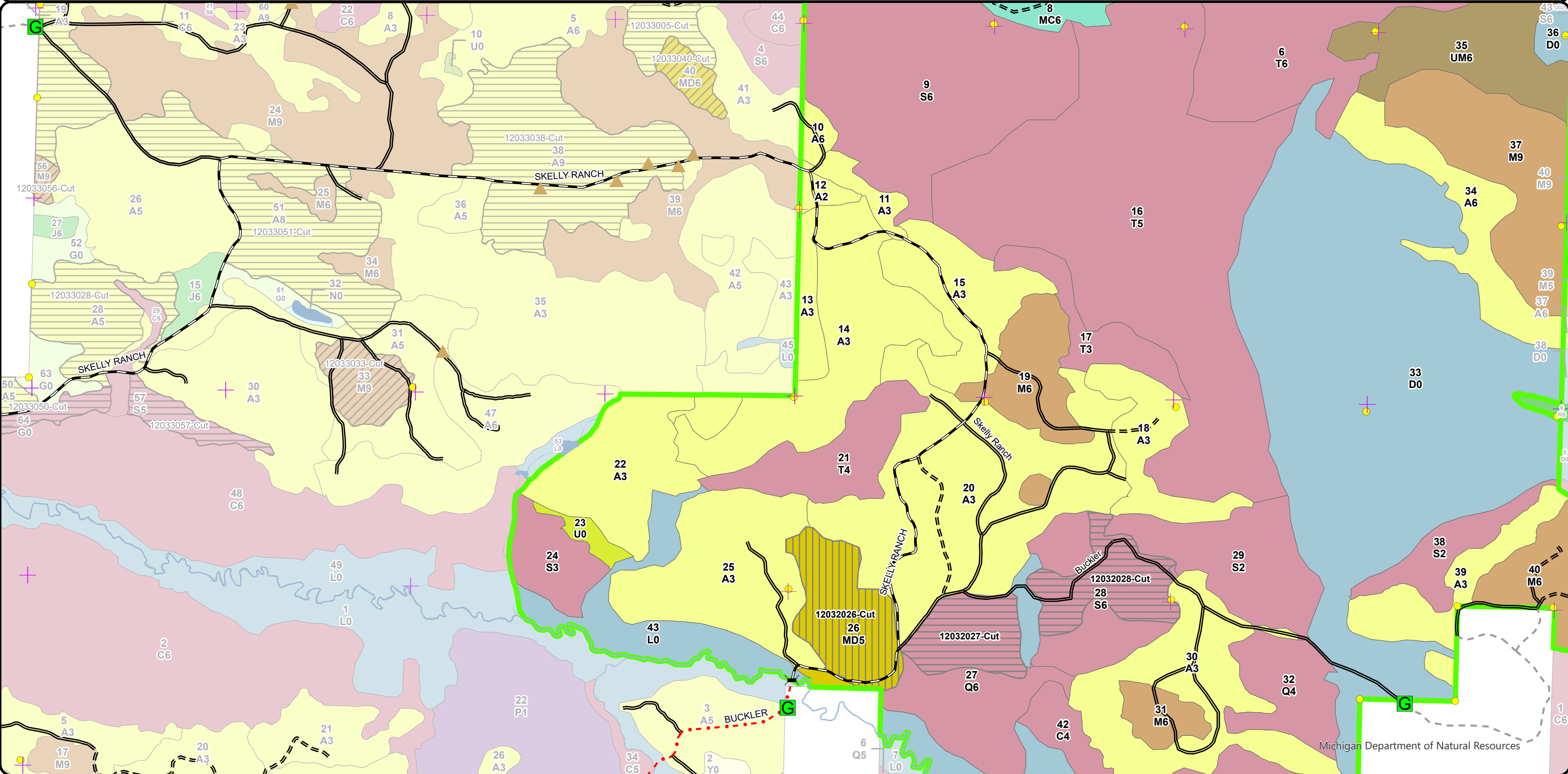
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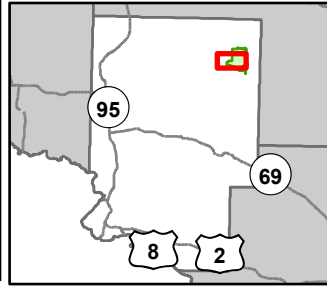
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| Gate | DNR - Forest Access Route | Compartment Boundary | 429 - Mixed Upland Conifers |
| Bridges | County - Gravel Road | Counties | 430 - Upland Mixed Forest |
| Survey Grade Corners | Private - Dirt / Gravel Road | Clearcut (w/Reserves) | 612 - Lowland Coniferous Forest |
| Remonumented Section Corners | Intermittent Stream | Shelter Wood (w/Reserves) | 330 - Low Density Trees |
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| | Perennial River | 413 - Aspen Types | |



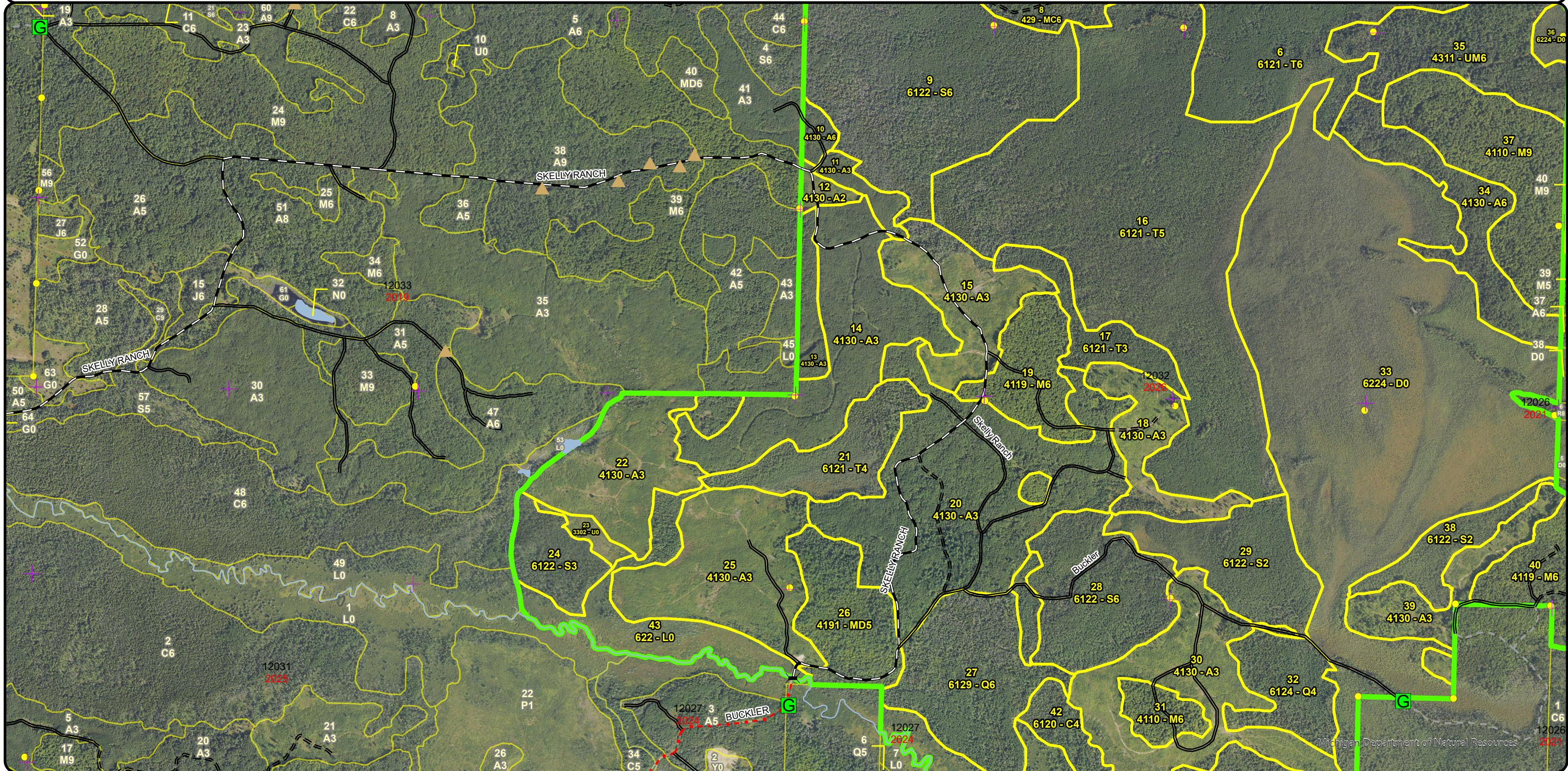
Stand Boundary Map



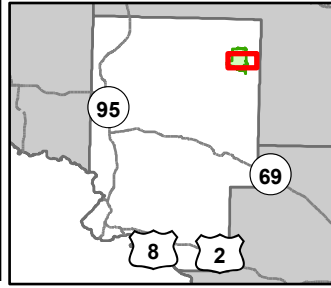
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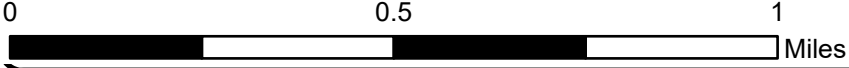
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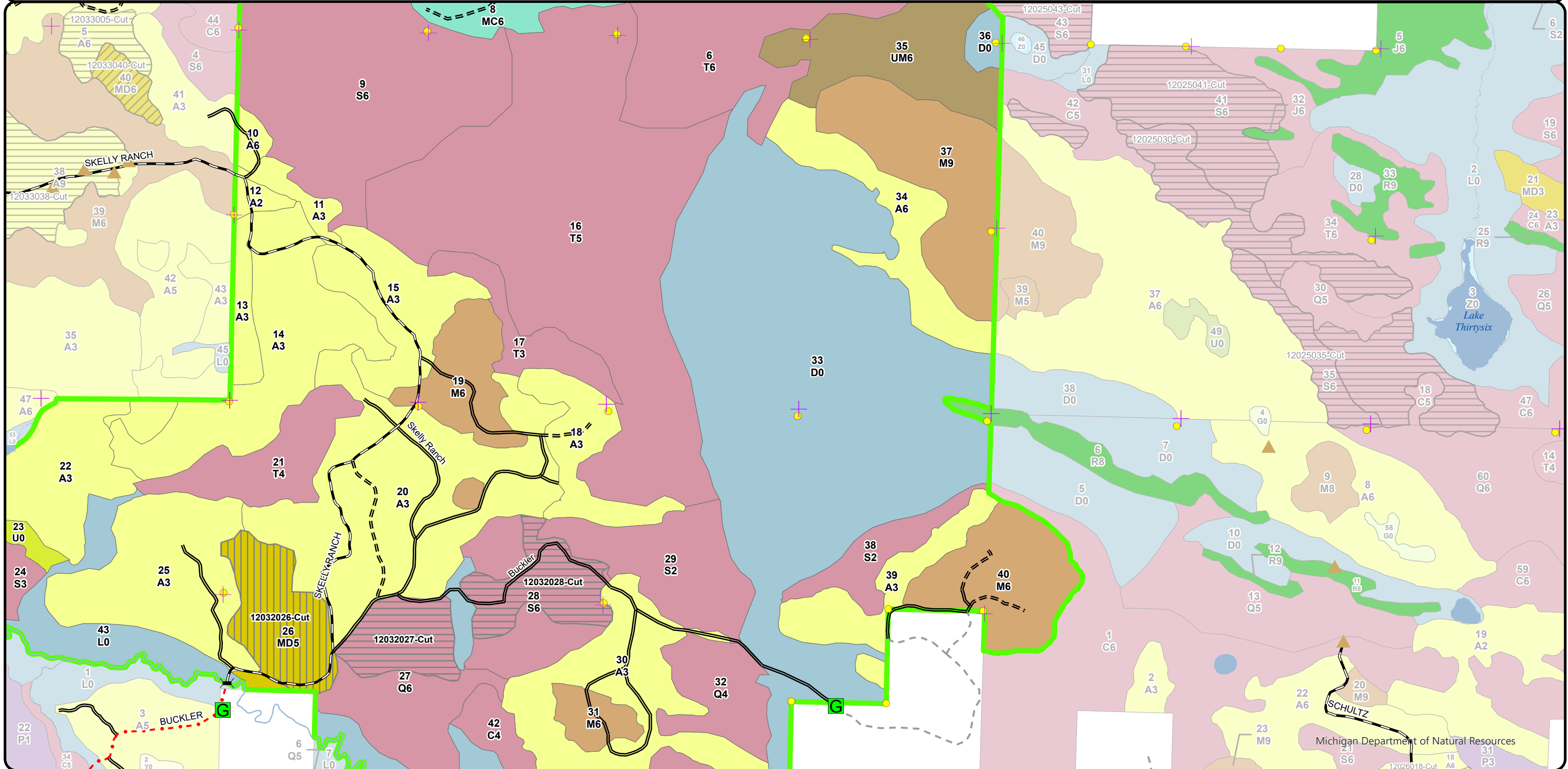
Cover Type & Treatments Map



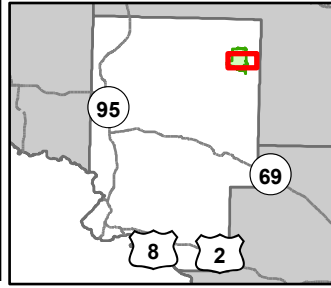
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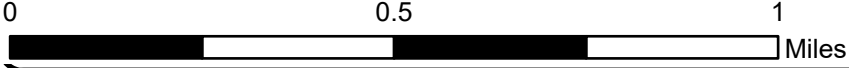
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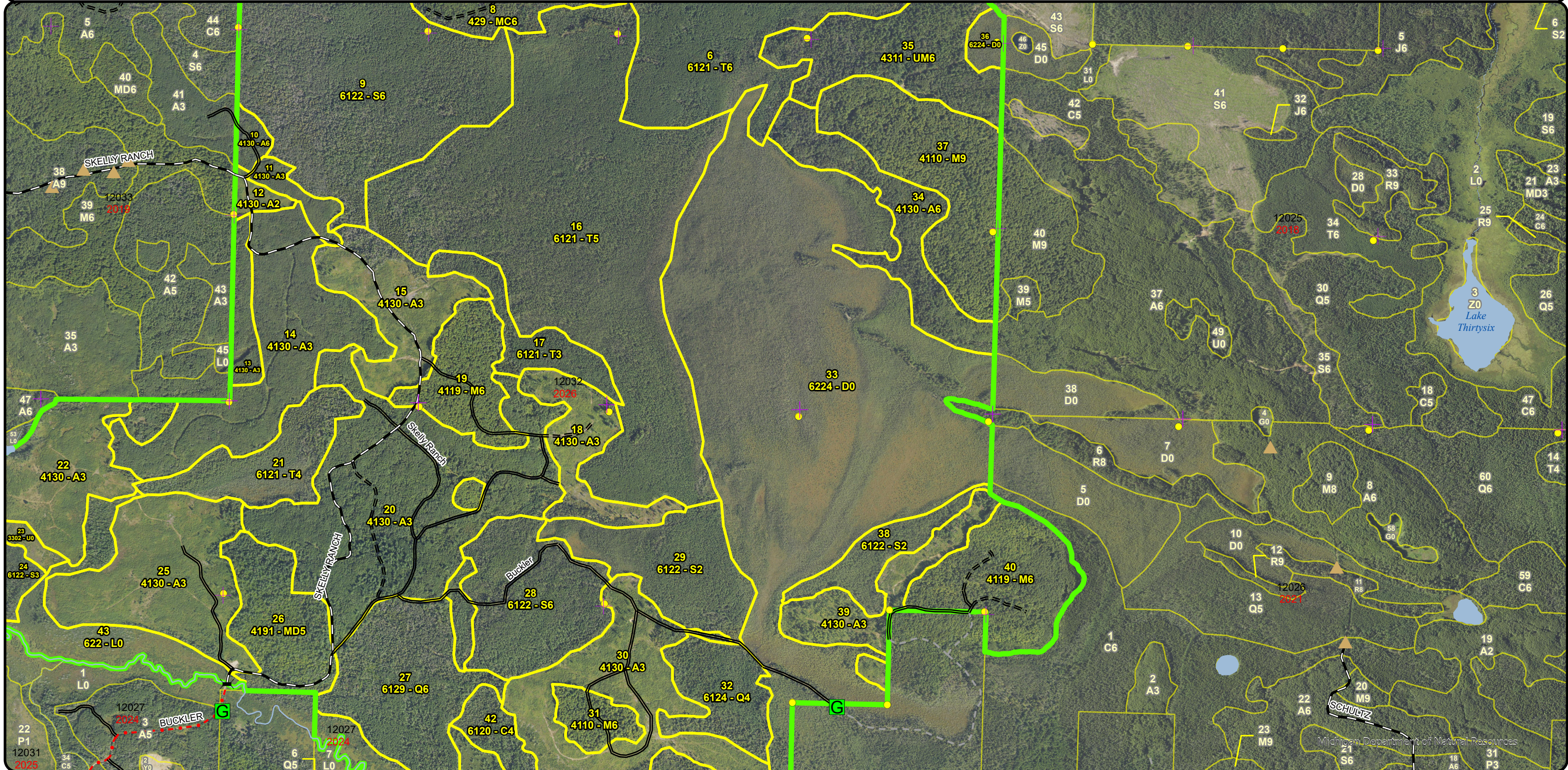
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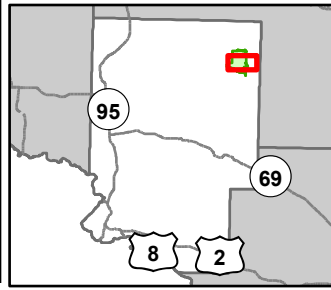
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**Special Conservation Areas
& Site Conditions Map**

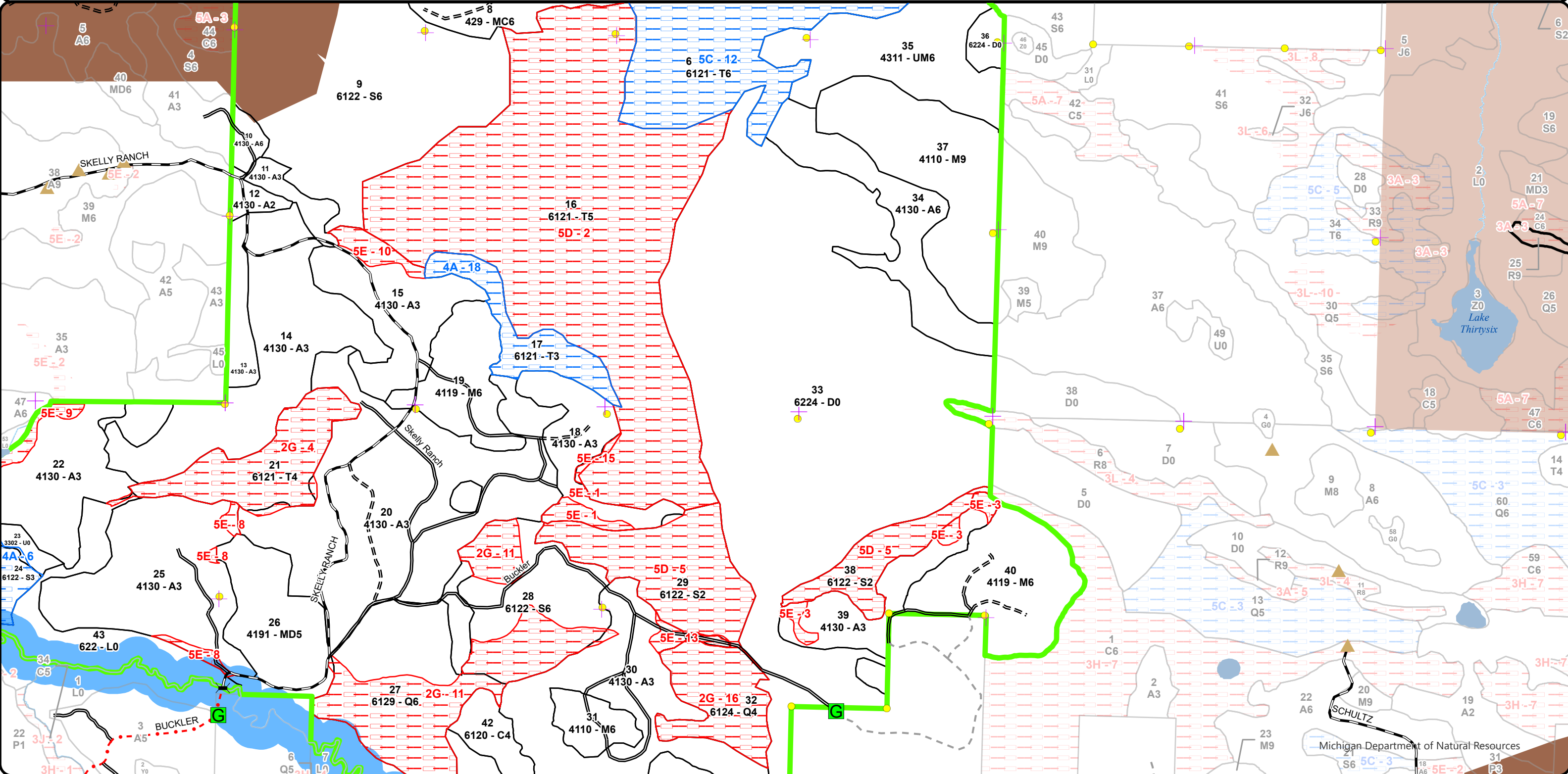
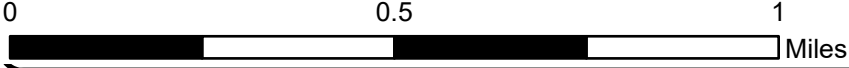


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- SCA
- Available w/ Constraints
- Unavailable

- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Wildlife Research Areas



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	420	42	297	32	60	0	0	0	0	0	0	0	0	0	0	0	0	851
Cedar	0	0	0	0	0	0	0	0	0	0	0	133	0	0	0	0	0	0	133
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	20
Lowland Conifers	0	0	0	0	0	0	0	87	0	41	0	0	0	0	0	0	0	0	128
Lowland Shrub	383	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	382
Lowland Spruce/Fir	0	0	0	0	0	0	327	0	133	97	0	0	0	0	0	0	0	0	556
Mixed Upland Deciduous	0	0	0	0	0	0	55	0	0	45	0	166	0	0	0	0	0	0	266
Northern Hardwood	0	0	0	0	0	0	0	0	0	48	182	0	0	0	0	0	0	0	230
Tamarack	0	0	0	0	0	307	0	0	33	365	49	0	0	0	0	0	0	0	754
Treed Bog	492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	492
Upland Conifers	0	0	0	0	0	126	0	0	0	0	0	0	0	0	0	0	0	0	126
Upland Mixed Forest	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Total	882	420	42	297	32	140	488	327	87	211	571	231	299	0	0	0	0	0	4025



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 32
Total Compartment Acres: 4,024

Commercial Harvest - 128
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
Lowland Conifers	35	0	0	0	0	0	0	0	0	35
Lowland Spruce/Fir	41	0	0	0	0	0	0	0	0	41
Mixed Upland Deciduous	0	0	0	0	52	0	0	0	0	52
Total	76	0	0	0	52	0	0	0	0	128

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	128	0	0	0	0	0	0	0	0	128
Next Step	0	0	0	0	0	0	128	0	0	128
Total	128	0	0	0	0	0	128	0	0	255



Stand Name	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:

26	12032026-Cut	51.7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	55	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription Specs:</u> Shelterwood Harvest: Do not cut any cedar, hemlock, oak. Retain a mix of the pine, aspen, and hardwood species to maintain approximately 40 to 50 BA residual throughout.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> mixed pine, mixed aspen, mixed softwood, hardwood</p> <p><u>Other Comment:</u> The intent of the harvest is maintain a mixed upland Forest cover type with pine and hardwood vs conversion to aspen.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
27	12032027-Cut	34.7	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	79	Unspecified	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all stems 2" and greater within sale treatment area. Cedar, white pine, red pine will be retained. No additional retention as only a portion of stand is being cut.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> tamarack, mixed spruce, aspen species, mixed softwood or hardwood will be acceptable</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
28	12032028-Cut	41.3	6122 - Black Spruce	Poletimber Well	87	Unspecified	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all stems 2" dbh and greater except cedar, red pine, white pine. Winter harvest recommended.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> mixed spruce, tamarack, aspen species, mixed softwood or hardwood acceptable</p> <p><u>Other Comment:</u> Treatment area may be adjusted depending on merchantability and operability.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

Total Treatment Acreage Proposed: 127.7

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
 Deb Goupell : Examiner

Compartment: 32
 Year of Entry: 2026

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

	Acres	Available	Acres Avail With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions						
						4A	5C	2G	2H	3J	5D	5E
851	810	0	41		Aspen			2			0	38
133	128	0	5		Cedar				5			
7	7	1	0		Low-Density Trees	1						
20	0	0	20		Lowland Aspen/Balsam Poplar			20				
128	35	0	94		Lowland Conifers			93				0
382	382	0	0		Lowland Shrub			0	0			
555	371	29	156		Lowland Spruce/Fir	29		37	25		94	0
265	55	187	23		Mixed Upland Deciduous		187	0		23		
230	230	0	0		Northern Hardwood							
754	0	340	414		Tamarack	30	309	49			364	1
492	492	0	0		Treed Bog							
126	126	0	0		Upland Conifers							
80	80	0	0		Upland Mixed Forest							
4,024	2,715	556	753		Total Forested Acres	60	496	203	30	23	457	40
	67%	14%	19%		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	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5D: Unproductive Forest Land	364	Unspecified	Unspecified	Unspecified	Unspecified
Comments: low site index, slow growing stand							
3	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell : Examiner

Compartment: 32

Year of Entry: 2026

4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	51	5D: Unproductive Forest Land	4A: No Markets Available for these Forest Products	Unspecified	Unspecified
Comments: This is a slowly filling in bog, trees are primarily unmerchantable							
5	Unavailable	5D: Unproductive Forest Land	94	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Stand has been growing very slowly, has small diameter							
6	Available	4A: No Markets Available for these Forest Products	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Average dbh of spruce is 4"							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
 Deb Goupell : Examiner

Compartment: 32
 Year of Entry: 2026

10	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	91	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: small diameters							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	277	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand only averages 7" dbh							
13	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: this is the 300 ft buffer if clear cut; if select cut, a narrower buffer may be implemented							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell : Examiner

Compartment: 32

Year of Entry: 2026

16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	41	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: will be managed with stand 8 next entry							
18	Available	4A: No Markets Available for these Forest Products	30	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	187	Unspecified	Unspecified	Unspecified	Unspecified
Comments: overall stand will hold til stand 7 & 8 are ready at next entry; portable bridge will be needed							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: this piece could not be harvested previously; much of it is partial floodplain							

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 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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
1	6111 - Lowland Balsam Poplar	Sawtimber Medium	19.8	95	Unspecified	N/A																																																													
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2	4134 - Aspen, Spruce/Fir	Sapling Well	30.4	15	Unspecified	N/A	Two Rivers TS cut 2009																																																												
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3	622 - Lowland Shrub	Nonstocked	165.6		Unspecified	No																																																													
4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	165.6	113	81-110	N/A	300 foot buffer from W. Br. Escanaba River has birch 10-12" dbh, Far east portion of this stand was cut in 2008 (Two Rivers TS), leaving all pine. Understory is red maple, aspen 1-2" dbh in this portion with little to no pine regeneration. Unmerchantable conifers were left in this far east portion. Most of the red pine is on south center of stand and could use a thinning when this stand is treated next entry.																																																												
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5	4199 - Other Mixed Upland Deciduous	Poletimber Well	44.7	80	81-110	N/A	The true hardwood of this stand is only about 5 acres in the south center; otherwise stand is mostly birch/red maple. Some conifer (& princess pine) throughout. Rolling hills and bowls.																																																												
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6	6121 - Tamarack	Poletimber Well	276.6	59	Unspecified	N/A	1964 photos show the west half of this stand cut																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
7	6121 - Tamarack	Poletimber Well	32.8	88	Unspecified	N/A	Looks healthy; some cedar on far south edge. Cut next entry.																																																			
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8	429 - Mixed Upland Conifers	Poletimber Well	126.1	55	81-110	N/A	Pine and hemlock are throughout this stand. Much mortality of spruce/fir. Hardwood is very poor stem quality and should not be managed as a hardwood type. Trace of black spruce/cedar on edges. Red pine thicker on far west.																																																			
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9	6122 - Black Spruce	Poletimber Well	326.7	65	Unspecified	N/A	1953 photos show the north half of this stand was cut; 1964 photos show the south half of stand cut. First 3 chains of stand edges are largest dbh																																																			
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10	4130 - Aspen	Poletimber Well	7.3	30	Unspecified	N/A	Hilsinki TS cut in 1992 adjacent Comp 33																																																			
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11	4130 - Aspen	Sapling Well	11.8	15	Unspecified	N/A	Two Rivers Aspen TS 2008 diameters range from 2-4"																																																			
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12	4130 - Aspen	Sapling Medium	7.2	6	Unspecified	N/A	Cut summer 2018 with Tess' Farewell TS.																																																			
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13	4130 - Aspen	Sapling Well	24.8	32	Immature	N/A	Part of Bear in the Bush TS Comp 33 cut 1992; southwest portion does not line up with the sale map but imagery confirms cut with this sale.																																																			
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14	4130 - Aspen	Sapling Well	108.3	24	Unspecified	N/A	Skelly Ranch Rd TS 1999																																																						
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15	4130 - Aspen	Sapling Well	60.7	6	Immature	N/A	Cut summer/fall 2018 Tess' Farewell TS.																																																						
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16	6121 - Tamarack	Poletimber Medium	365.0	97	Unspecified	N/A	Low site index, slow growing. Black spruce dbh ranges from 1-4"																																																						
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17	6121 - Tamarack	Sapling Well	30.3	59	Unspecified	N/A	Some cedar along south edge. Black spruce also more prominent along stand edges.																																																						
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18	4130 - Aspen	Sapling Well	41.7	6	Immature	N/A	Stand cut fall 2018 Tess' Farewell TS.																																																						
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19	4119 - Mixed Northern Hardwoods	Poletimber Well	48.1	99	81-110	N/A	Cut summer 2017 in Tess' Farewell TS.																																																						
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20	4130 - Aspen	Sapling Well	189.1	22	Unspecified	N/A	White pine and birch regen is heaviest along roads. Aspen dbh ranges from 4-8". Trace black spruce. Horned Owl TS cut 1991																																																											
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21	6121 - Tamarack	Poletimber Poor	49.0	100	Unspecified	N/A	Low site quality																																																											
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22	4130 - Aspen	Sapling Well	68.6	8	Immature	N/A	Sale cut Bucky Beaver TS fall 2016 #12-002-16. Retention focused along west edge																																																											
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23	3302 - Low Density Conifer Trees	Nonstocked	7.3	0	Unspecified	613 - Lowland Mixed Forest	Cut Bucky Beaver TS #12-002-16. Was part of stand 24 to south, was mostly black spruce with some tamarack that was cut.																																																											
24	6122 - Black Spruce	Sapling Well	30.5	95	Unspecified	N/A	Large cedar along north edge of stand with black spruce scattered in. Trees are SLOW growing.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 54.6 55 81-110 N/A There are some overmature aspen/spruce along road, particularly south side. White pine is heaviest on edges and on the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Sapling	5		Sugar Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	9		Red Maple	Medium	Variable	Sapling
Red Maple	40	Pole	8	55	Balsam Fir	Low	Variable	Sapling
White Pine	30	XLog	18	120	Hazelnut (Spp.)	Medium	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole	8		White Pine	Low	< 5 feet	Sapling

27 6129 - Mixed Coniferous Lowland Forest Poletimber Well 87.2 79 Unspecified N/A Almost 2 different stands: black spruce heavier on north, tamarack on south. Spruce and tamarack healthy, good shape. Stand is wetter as you go south. First 4 chains from road are almost upland spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Log	12		Tag Alder	High	Variable	Tall Shrub
Balsam Fir	5	Pole	7		Black Spruce	Medium	5 - 10 feet	Sapling
Black Spruce	40	Pole	7		Balsam Fir	Medium	Variable	Sapling
Tamarack	45	Pole	8	79				
Northern White Cedar	5	Pole	8					

28 6122 - Black Spruce Poletimber Well 78.7 87 Unspecified N/A Tamarack and spruce nearest road average 8" dbh as it is more upland. Trace amounts of red pine and white pine are along the road. Dwarf mistletoe is in this stand, particularly south side of road.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	55	Pole	6	87	Red Maple	Low	Variable	Sapling
Tamarack	45	Pole	8		Tag Alder	Medium	< 5 feet	Tall Shrub

29 6122 - Black Spruce Sapling Medium 65.9 97 Unspecified N/A 1939 photos show cut; West finger tag alder swale

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	60	Sapling/Pole	5	97	Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	10	Pole/Sapling	7					
Tamarack	30	Sapling/Pole	5					

30 4130 - Aspen Sapling Well 101.5 6 Immature N/A Couple white pine residuals. Cut summer 2018 Elsa's Art TS.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	2	Sapling	1	
Balsam Poplar	5	Sapling	1	
Quaking Aspen	70	Sapling	1	6
Red Maple	15	Sapling	1	
Sugar Maple	8	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
31	4110 - Sugar Maple Association	Poletimber Well	17.7	100	81-110	N/A	Cut summer 2018 Elsa's Art TS. White birch is dying out.																																																						
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32	6124 - Lowland Spruce-Fir	Poletimber Poor	40.8	99	Unspecified	N/A	Low density stand with small diameter trees and VERY wet.																																																						
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33	6224 - Treed Bog	Nonstocked	483.2		Unspecified	No																																																							
34	4130 - Aspen	Poletimber Well	59.5	45	Unspecified	N/A	Dead Squirrel TS cut 1978. Most of pine along south edge but scattered. Most bf/ws has died and fallen out. Could be harvested if needed but should hold to cut when adjacent hardwood is ready																																																						
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35	4311 - Pine, Aspen Mix	Poletimber Well	80.4	45	1-50	N/A	Dead Squirrel TS; (cut all species over 5"dbh plus some marked pine). Aspen mostly along south edge, center. Much BF/WS area dead.																																																						
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36	6224 - Treed Bog	Nonstocked	8.6		Unspecified	No																																																							
37	4110 - Sugar Maple Association	Sawtimber Well	94.8	101	81-110	N/A	Island Hardwood TS closed 2010. some sugar maple saplings and seedlings 4-10 feet tall. white pine is browsed. Trace amounts of white and yellow birch.																																																						
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38	6122 - Black Spruce	Sapling Medium	28.5	86	Unspecified	N/A																																																
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39	4130 - Aspen	Sapling Well	43.4	6	Immature	N/A	Some sugar maple poles were marked for reserve. Cut summer 2018 Elsa's Art TS.																																															
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40	4119 - Mixed Northern Hardwoods	Poletimber Well	69.4	101	81-110	N/A	Very light sugar maple seedlings 6" tall: Cut summer 2018 Elsa's Art TS.																																															
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41	6122 - Black Spruce	Poletimber Medium	25.1	89	Unspecified	N/A	Possibility of a harvest from Comp 26 if stand is ever prescribed. Tamarack is small and in north third of stand. Appears to be very wet.																																															
42	6120 - Lowland Cedar	Poletimber Poor	133.0	110	Unspecified	N/A	Very wet stand																																															
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43	622 - Lowland Shrub	Nonstocked	216.9		Unspecified	No																																																