



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12024

Entry Year 2027

Acreage: 3,061

County: Dickinson

Management Area: Ralph Moraine

Stand Examiner: Andrew Church

Legal Description:

T44N R27W Sections 13-15, 21-28

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Protect riparian areas during management activity implementing Best Management Practices guidelines.

Soil and topography:

This compartment is mostly Cathro mucks in the lowlands and fine sands in the uplands. The terrain is small rolling hills.

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

Most of this compartment is contiguous State of Michigan with the exception of a few private landowners. Snowmobiling, hunting, fishing, trapping, and camping are the main recreational use patterns.

Unique Natural Features:

Cady Creek, Big Brook Creek, West Branch of Escanaba River.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Cold water stream designation on Big Brook Creek and West Branch of Escanaba River.

Watershed and Fisheries Considerations:

This compartment contains Cady Creek, Big Brook, and the West Branch Escanaba River. Cady Creek, Big Brook, and West Branch Escanaba River are designated Type 1 trout streams less than 50 feet wide with predicted mean July water temperatures that range from 62.4 to 67.3°F (cold to cool streams). A 300-foot buffer is recommended for Cady Creek, Big Brook, and the West Branch Escanaba 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, riparian management zone is recommended to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment falls within the historic Cady Creek Deer Wintering Complex. White pine, cedar, hemlock, spruce and fir canopy closure for winter thermal cover, travel corridors, transition to upland winter forage and are critical habitat components for deer and that is why deer were selected as a featured species. Bear are also highly dependent on the lowland conifer and lowland hardwood habitat, refuge trees, riparian habitat, drainages and vernal pools to meet their needs. This compartment provides valuable habitat for bears, deer, furbearers, amphibians and reptiles.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The Kate's Grade sand & gravel pit is less than one mile east, and there is good potential for additional development of sand & gravel within the compartment on the upland drumlins. The compartment, however, might be too far from populated areas (commercial markets) for any aggregate resources present to have much value beyond use by the county road commission or DNR for local road maintenance. No known ground-based exploration for metallic minerals has occurred in the vicinity of the compartment. There are active State metallic mineral leases three miles to the south. These leases appear to be targeting distinct linear features identified in geophysical survey data. Similar features do not appear to occur beneath the compartment, and potential for discovery of any economic metallic or critical mineral deposits within the compartment is considered low at this time.

Vehicle Access:

Access is poor accessing the interior portions of this compartment due to the wet soils. County Road 581 is along the South side, Cady Creek Rd. along the West side, and Little Brook Road along the North.

Survey Needs:

A few corners may need to be established.

Recreational Facilities and Opportunities:

Snowmobile Trail #32 along North side.

Fire Protection:

Fire response will be from Norway or Crystal Falls DNR stations.

Additional Compartment Information:

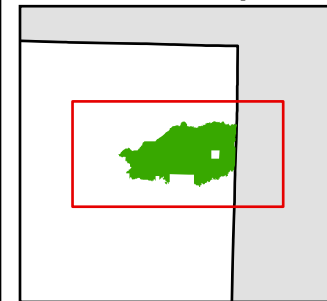
The following reports from the Inventory are attached:

- 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: 12024
T44N R27W sec. 13-15, 21-28
County: Dickinson
Unit: Crystal Falls
Mgmt. Area: Ralph Moraine
YOE: 2027
Acres: 3,061 GIS Calculated
Examiner: Andrew Church
Date Exported: 11/13/2025
Map Phase: Post Review

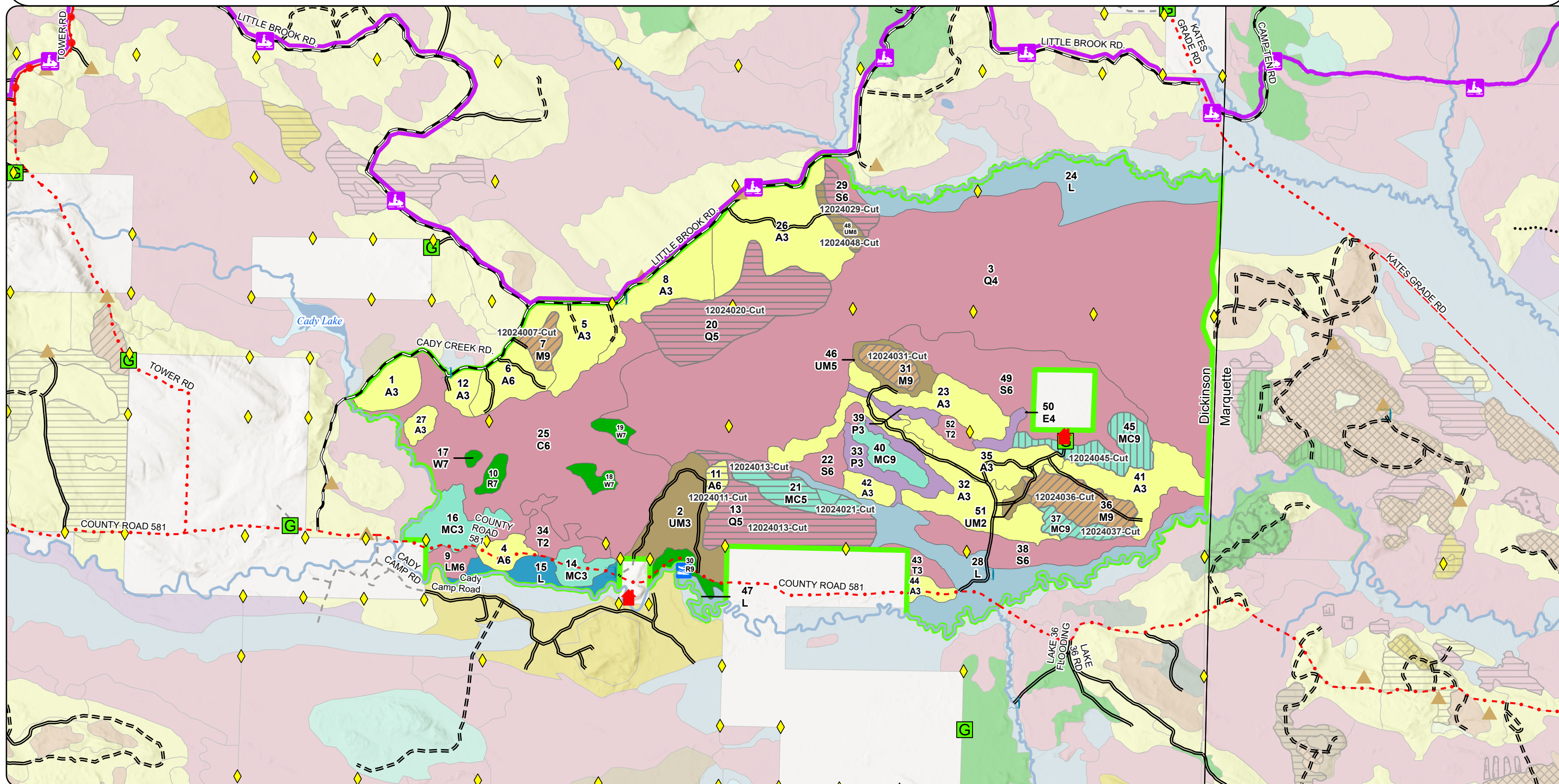
0 0.5 1 Miles

- Survey Grade Corners
- Berm
- Gate
- Culvert
- Boating Access Site
- Designated Motorcycle Trails
- Designated Snowmobile

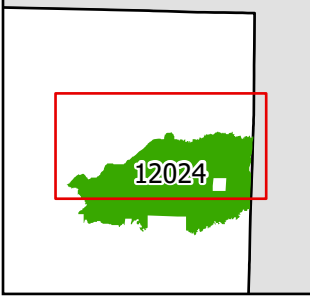
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- Streams

- Lakes and Rivers
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- 411 - Northern Hardwood
- 413 - Aspen
- 422 - Natural Pines

- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 629 - Mixed non-forested Wetland




Cover Type & Treatments Map




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Miles

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Survey Grade Corners

Berm

Gate

Culvert

Designated Snowmobile

DNR - Primary Forest Road

DNR - Secondary Forest Road

DNR - Forest Access Route

County - Gravel Road

Private - Dirt / Gravel Road

Streams

Lakes and Rivers

Compartment Boundary

Clearcut

Shelterwood

Thinning

411 - Northern Hardwood

413 - Aspen

422 - Natural Pines

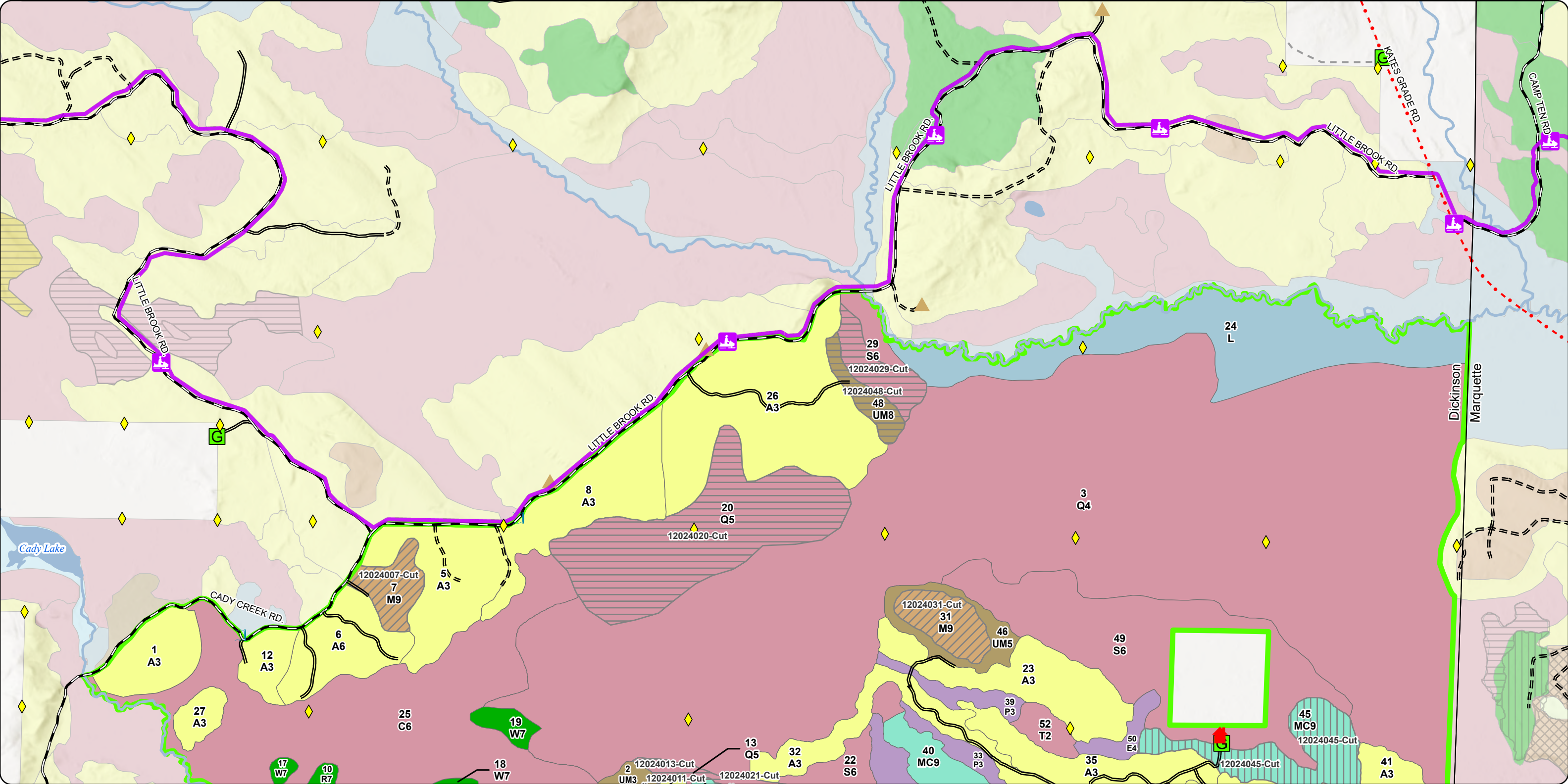
429 - Mixed Upland Conifers

430 - Upland Mixed Forest

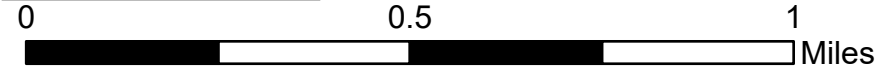
611 - Lowland Deciduous Forest







612 - Lowland Coniferous Forest








622 - Lowland Shrub











A map showing a green area labeled '12024' with a red rectangular boundary. The area is irregular and textured, resembling a satellite or aerial photograph. The number '12024' is written in red with a black outline. The red rectangle is centered on the green area. The background is white, and there are black lines indicating the map's edges.

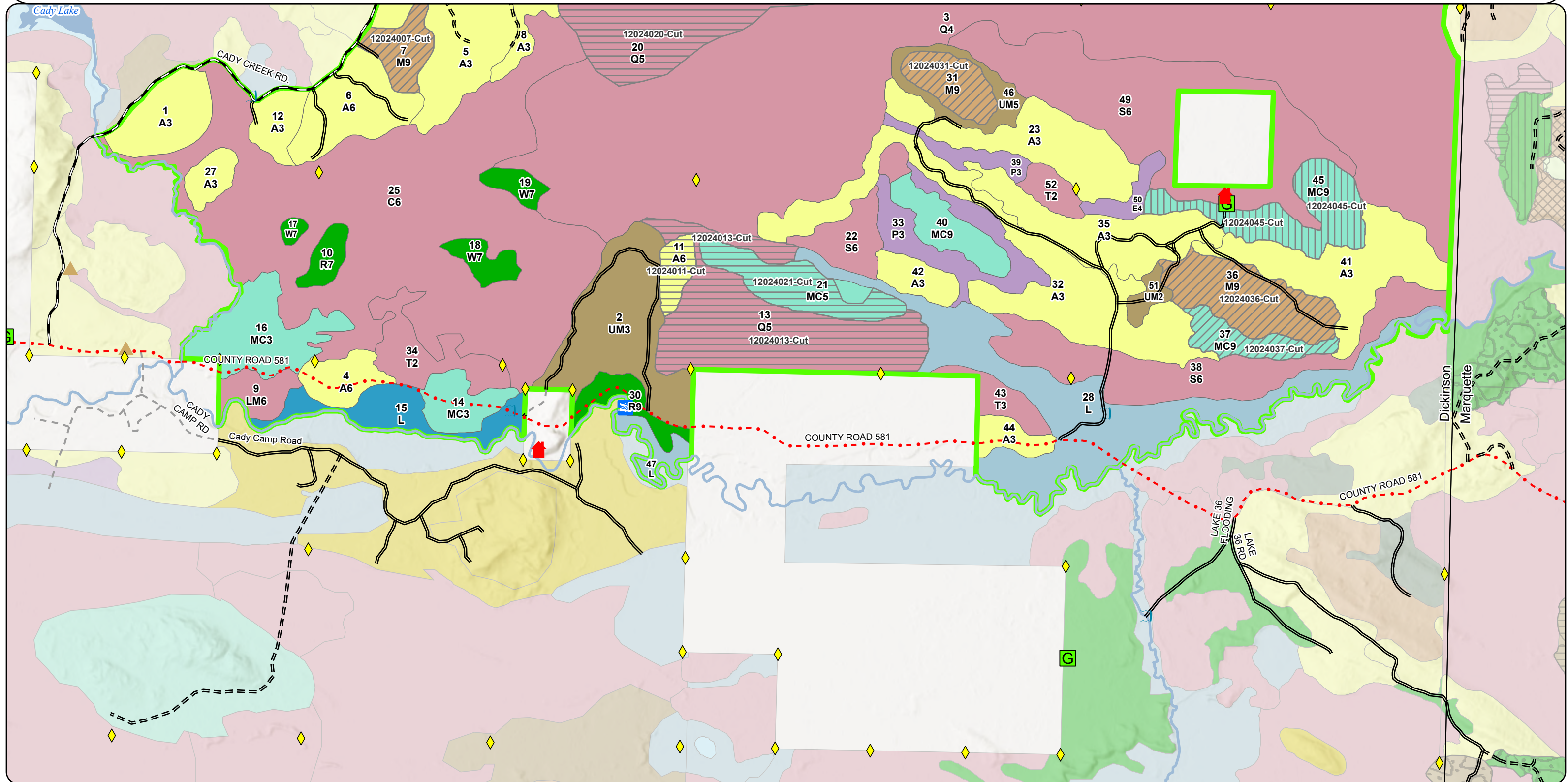


-  Survey Grade Corners
- 
-  Berm
-  Gate
-  Culvert
-  Boating Access Site

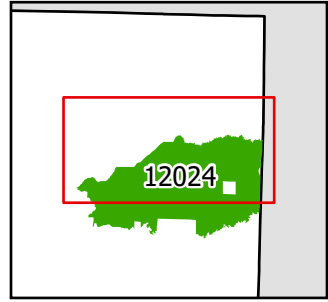
-  DNR - Primary Forest Road
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 Private - Dirt / Gravel Road
 Streams
 Lakes and Rivers

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-  Clearcut
-  Shelterwood
-  Thinning
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-  413 - Aspen
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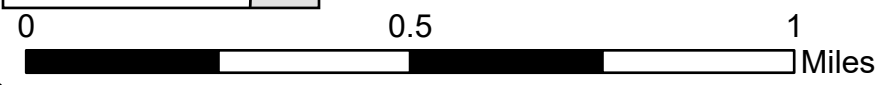
-  429 - Mixed Upland Conifers
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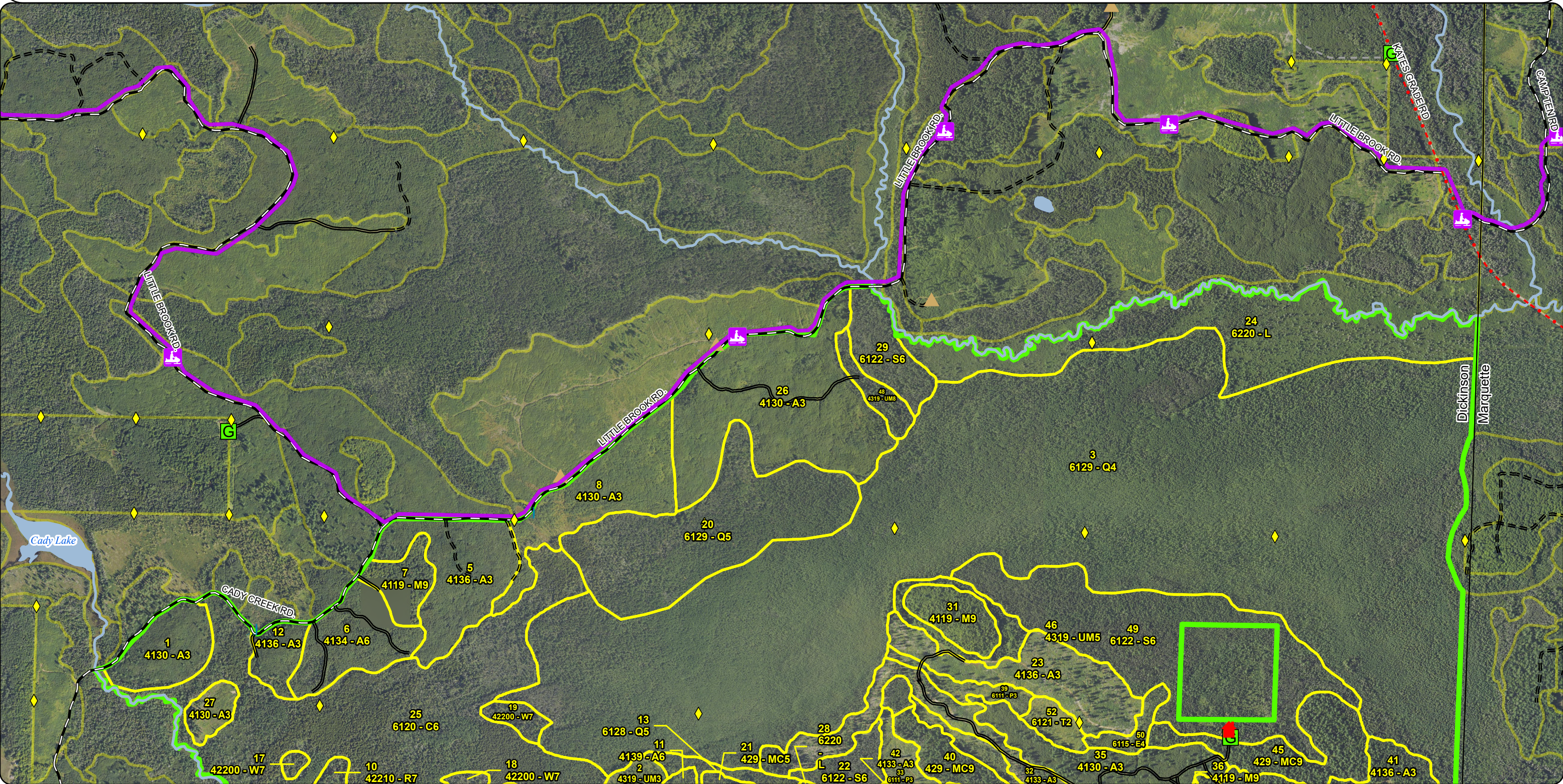
Stand Boundary Map



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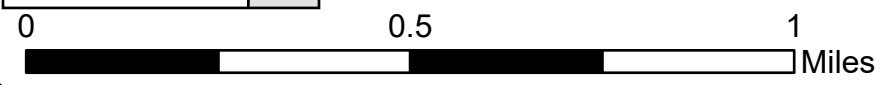
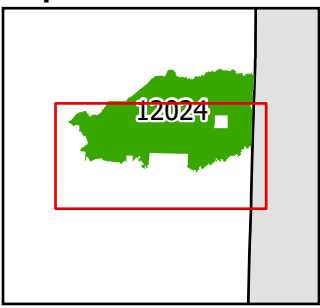


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|----------------------|-----------------------------|------------------------------|---------------------------------|
| Survey Grade Corners | Designated Snowmobile | Private - Dirt / Gravel Road | 422 - Natural Pines |
| Gate | DNR - Primary Forest Road | Streams | 429 - Mixed Upland Conifers |
| Berm | DNR - Secondary Forest Road | Lakes and Rivers | 430 - Upland Mixed Forest |
| Gate | DNR - Forest Access Route | Compartment Boundary | 611 - Lowland Deciduous Forest |
| Culvert | County - Gravel Road | 411 - Northern Hardwood | 612 - Lowland Coniferous Forest |
| | | 413 - Aspen | 622 - Lowland Shrub |



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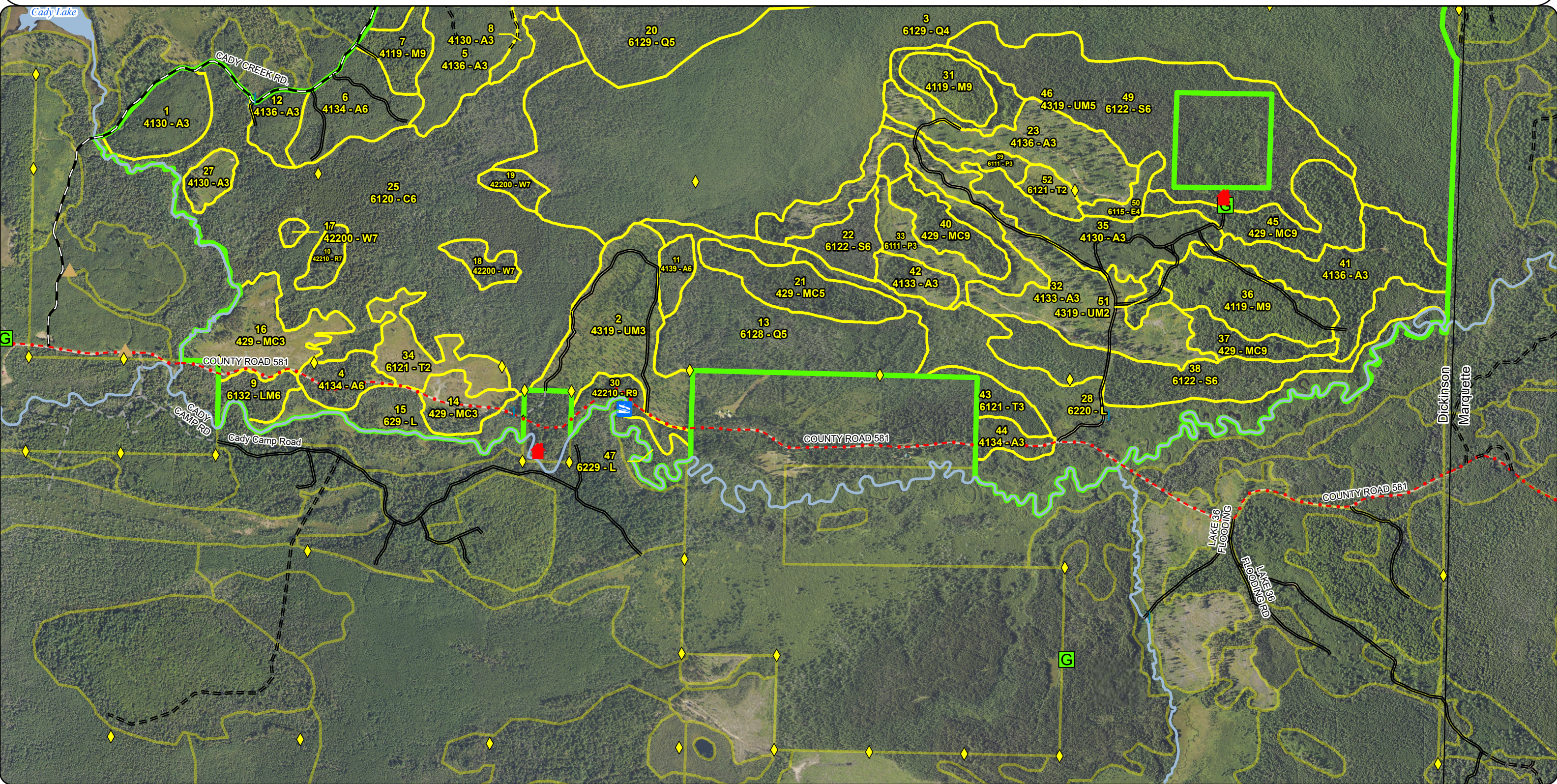


- Survey Grade Corners
- Berm
- Gate
- Culvert
- Boating Access Site

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Special Conservation Areas & Site Conditions Map

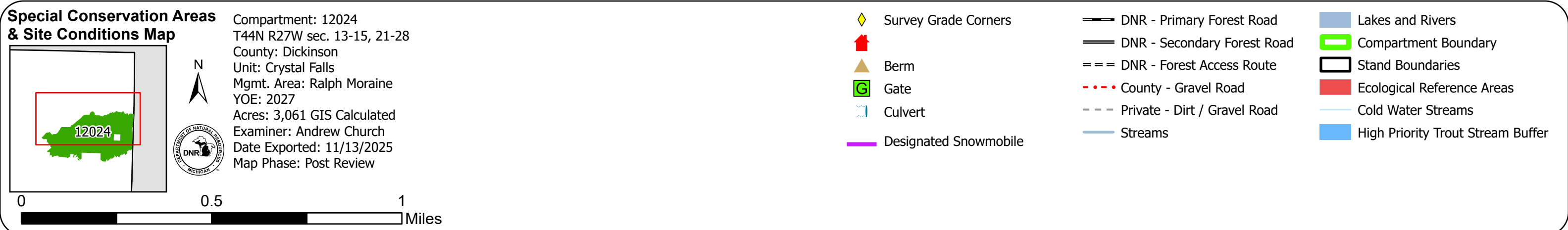
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Survey Grade Corners	DNR - Primary Forest Road	Lakes and Rivers
Gate	DNR - Secondary Forest Road	Compartment Boundary
Berm	DNR - Forest Access Route	Stand Boundaries
Gate	County - Gravel Road	Ecological Reference Areas
Culvert	Private - Dirt / Gravel Road	Cold Water Streams
Designated Snowmobile	Streams	High Priority Trout Stream Buffer

Special Conservation Areas & Site Conditions Map

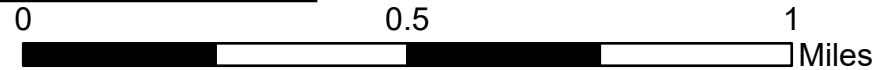
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Survey Grade Corners	DNR - Primary Forest Road	Lakes and Rivers
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**Special Conservation Areas
& Site Conditions Map**

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- Survey Grade Corners

Gate

Berm

Gate

Culvert

Boating Access Site
- DNR - Primary Forest Road

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Streams
- Lakes and Rivers

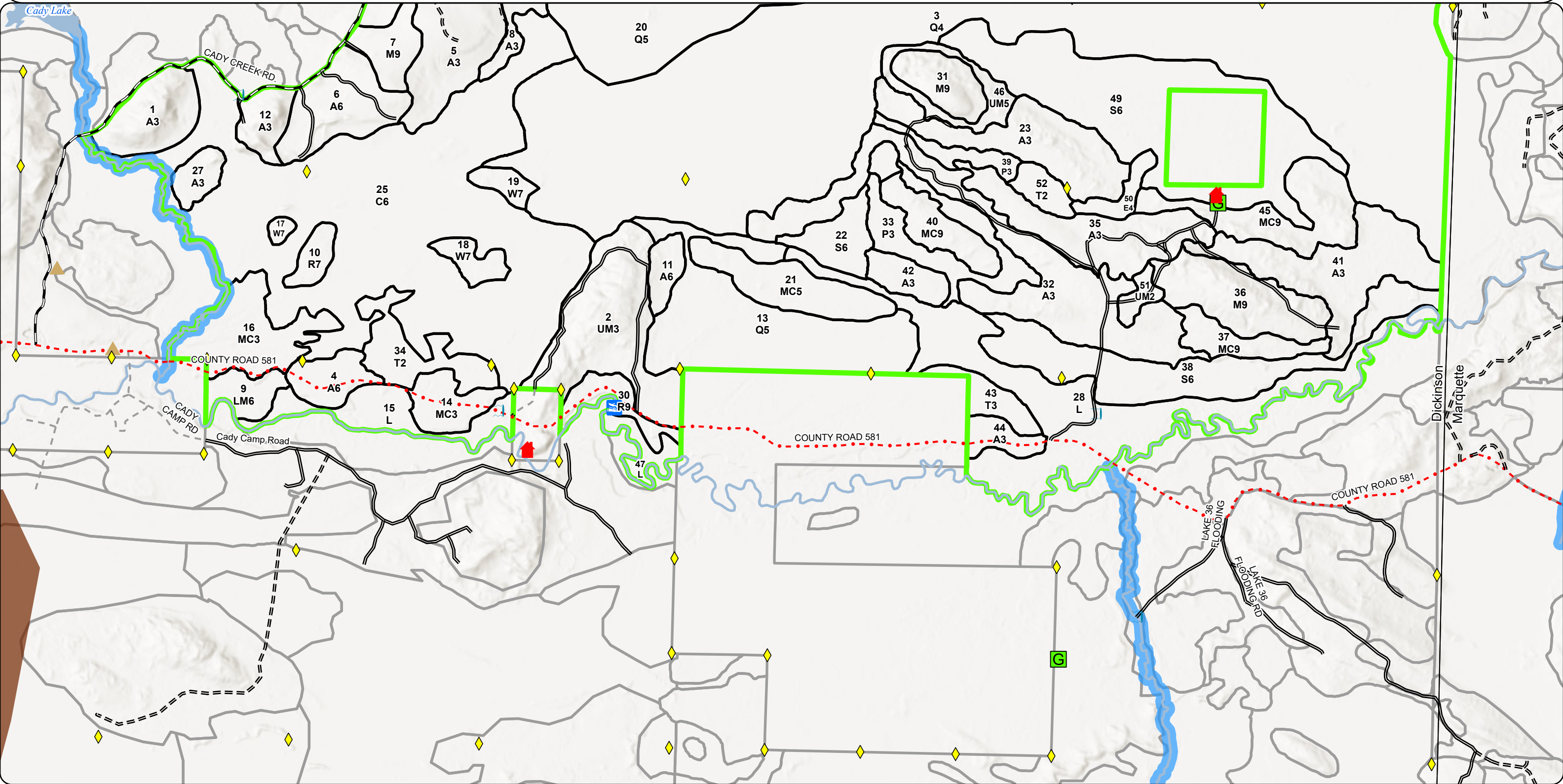
Compartment Boundary

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	220	214	93	62	0	0	9	0	0	0	0	0	0	0	0	0	0	598
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	322	0	0	0	0	322
Lowland Aspen/Balsam Poplar	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Lowland Conifers	0	0	0	0	0	0	0	0	0	942	203	0	0	0	0	0	0	0	1145
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13
Lowland Shrub	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	208	0	0	0	22	0	0	0	0	0	230
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	77
Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	22
Tamarack	0	36	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Upland Conifers	0	56	0	0	0	0	33	0	0	0	0	0	76	0	0	0	0	0	165
Upland Mixed Forest	0	0	73	15	0	0	0	0	0	0	0	0	11	0	0	0	0	0	99
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	19
Total	272	354	287	108	74	0	33	9	208	942	216	0	150	322	0	0	0	85	3060



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 24
Total Compartment Acres: 3,061

Commercial Harvest - 725
Harvests with Site Condition - 0
Next Step Harvest - 30
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	9	0	0	0	0	0	0	0	0	9
Lowland Conifers	203	0	0	0	0	0	0	0	0	203
Lowland Spruce/Fir	16	0	0	0	0	0	0	0	0	16
Northern Hardwood	0	0	0	0	0	77	0	0	0	77
Upland Conifers	30	0	0	0	39	17	0	0	0	86
Upland Mixed Forest	11	0	0	0	0	0	0	0	0	11
Total	270	0	0	0	39	94	0	0	0	403

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	403	0	0	0	0	0	0	0	0	403
Next Step	30	0	0	0	0	0	296	0	0	326
Total	433	0	0	0	0	0	296	0	0	728



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

7	12024007-Cut	16.4	4119 - Mixed Northern Hardwoods	9	108	81-110	Harvest	Thinning	411 - Northern Hardwood	Planting Record	No
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Prescription Thin targeting 60 residual Basal Area. Leave all Hemlock, Pine and Cedar. Also leave Spruce/Fir unless needed for harvest operations.

Specs: Protect snowmobile trail during harvest.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

11	12024011-Cut	9.4	4139 - Aspen, Mixed Deciduous	6	61	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final harvest using 4" spec. Leave Cedar, Hemlock, and Pine if found. Also mark some Cherry, and Maple to leave for diversity.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Maple, Mixed conifers, Mixed hardwoods

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

13	12024013-Cut	93.4	6128 - Lowland Coniferous, Mixed Deciduous	5	91	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
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Prescription Final harvest using 2" spec for forest health reasons. Leave Birch, Maple, Cedar, Hemlock, and Pine if found.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Tamarack, Spruce, Mixed conifers, Mixed deciduous.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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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
20 12024020-Cut	109.9	6129 - Mixed Coniferous Lowland Forest	5	96	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
<u>Prescription</u> Final harvest using 2" spec for forest health reasons. Leave Birch, Maple, Cedar, Hemlock, and Pine if found. Protect snowmobile trail during harvest. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Tamarack, Spruce, Mixed Conifers, Mixed Hardwoods <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
21 12024021-Cut	30.0	429 - Mixed Upland Conifers	5	52	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest using 4" spec. Leave Cedar, Hemlock, and Pine if found. Also leave some Cherry, Maple and Birch. <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut with Retention <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Mixed conifers, Mixed deciduous <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
29 12024029-Cut	16.2	6122 - Black Spruce	6	75	Unspecified	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
<u>Prescription</u> Final harvest using 2" spec for forest health reasons. Leave Cedar, Hemlock, and Pine if found. Also leave some Birch and Maple. Protect snowmobile trail during harvest. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, Fir, Aspen, Maple, Pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
31 12024031-Cut	18.9	4119 - Mixed Northern Hardwoods	9	97	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin targeting residual 60-80 Basal Area. Release advanced regen where possible. Leave Cedar, Hemlock, and Pine if found. Dormant season (November-March) harvest and roundwood operations required to mitigate damage risk to advanced regeneration. Leave <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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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
36 12024036-Cut	41.8	4119 - Mixed Northern Hardwoods	9	97	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin targeting residual 60-80 Basal Area. Release advanced regen where possible. Leave Cedar, Hemlock, and Pine if found. Dormant season (November-March) harvest and roundwood operations required to mitigate damage risk to advanced regeneration. Lea <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
37 12024037-Cut	16.5	429 - Mixed Upland Conifers	9	110	111-140	Harvest	Thinning	429 - Mixed Upland Conifers	Cutting Record	No
<u>Prescription</u> Target residual 50-70 Basal Area of Red and White Pine where present. Harvest other species using 2" spec. Leave Cedar, Hemlock, and all trees greater than 26" DBH. Also leave some Maple and Birch for diversity. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, Pine, Aspen, Maple, Fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
45 12024045-Cut	39.4	429 - Mixed Upland Conifers	9	110	81-110	Harvest	Shelterwood	429 - Mixed Upland Conifers	Cutting Record	No
<u>Prescription</u> Target residual 50-70 Basal Area of Red and White Pine where present. Harvest other species using 2" spec. Leave Cedar, Hemlock, and all trees greater than 26" DBH. Also leave some Maple and Birch for diversity. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, Pine, Aspen, Maple, Fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
48 12024048-Cut	10.8	4319 - Mixed Upland Forest	8	110	1-50	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Final harvest using 2" spec for forest health reasons. Leave Cedar, Hemlock, and Pine if found. Also leave some Birch and Maple. Protect snowmobile trail during harvest. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Pine, Spruce, Fir, Maple <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

S
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a
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dTreatment
Name

Acres

Stand
CoverTypeSize
DensityStand
AgeBA
RangeTreatment
TypeTreatment
MethodCover Type
ObjectiveAge
StructureHabitat
Cut

Total Treatment
Acreage Proposed: 402.7

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Andrew Church : Examiner

Compartment: 24
Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions						
Acres	Available	With Condition	Not Available		2G	2H	3J	5A	5D	5E
577	573	0	4	Aspen			3			1
322	0	0	322	Cedar				322		
16	10	0	5	Lowland Aspen/Balsam Poplar						5
1146	203	0	942	Lowland Conifers					942	
8	0	0	8	Lowland Deciduous	8					
13	0	0	13	Lowland Mixed Forest			13			
272	272	0	0	Lowland Shrub						
158	134	0	24	Lowland Spruce/Fir			24			
77	77	0	0	Northern Hardwood						
22	0	0	22	Red Pine		8	14			
48	48	0	0	Tamarack						
88	76	0	12	Upland Conifers			5			7
98	99	0	0	Upland Mixed Forest						
19	0	0	19	White Pine		19				
2,864	1,492		1,372	Total Forested Acres	8	27	59	322	942	14
	52%		48%	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		3J: Water quality/BMPs (stream, river, or lake)	14	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Buffer to Escanaba River and retention for harvest to North								
2	Unavailable		5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Andrew Church : Examiner

Compartment: 24
Year of Entry: 2027



3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand should be entered when neighboring stand is treated. Does not make sense to chase after this small acreage unless an opportunity presents itself.							
5	Unavailable	5D: Unproductive forest land	942	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small diameter, old trees. Majority of trees unable to grow into merchantability.							
6	Unavailable	5A: Not able to obtain desirable regeneration	322	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	6	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
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Compartment: 24
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14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	5	5D: Unproductive forest land	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	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
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4130 - Aspen		Sapling Well	28.2	25	Immature	N/A	Scattered supercanopy Pines. Very healthy Aspen stand. Wooden Bucket sale in 2000.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Paper Birch	5	Sapling	4		Balsam Fir	Low		Variable	Variable
	Quaking Aspen	85	Sapling	4	25	Bracken Fern	Medium		Not Applicable	Not Applicable
	Balsam Fir	10	Sapling	4						
2	4319 - Mixed Upland Forest		Sapling Well	67.1	15	1-50	N/A	Diverse mix of species regenerating very well. Harvested 2018 with West Branch Pine sale.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	10	Sapling	1		Wild Red Raspberry	Medium		5 - 10 feet	5 - 10 feet
	Paper Birch	25	Sapling	1	15					
	Quaking Aspen	10	Sapling	1						
	Balsam Fir	5	Sapling	1						
	White Spruce	5	Sapling	1						
	White Pine	15	Sapling	1						
	White Pine	5	XLog/Log	20						
	Red Pine	15	Sapling	1						
	Red Pine	5	XLog/Log	20	110					
	Black Cherry	5	Sapling	1						
	3	6129 - Mixed Coniferous Lowland Forest		Poletimber Poor	942.4	81	1-50		N/A	Old trees, but not much merchantability due to very wet site. Mostly 1 stick trees. More stocking along edges of stand. Portions in SW harvested in the 1960s.
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	
Balsam Poplar		5	Pole/Sapling	5		Tamarack	Medium	Variable	Variable	
Black Spruce		25	Pole/Sapling	5		Black Spruce	Low	Variable	Variable	
Northern White Cedar		15	Pole/Sapling	6		Tag Alder	High	5 - 10 feet	5 - 10 feet	
Tamarack		45	Pole/Sapling	5	81					
Black Ash		10	Pole/Sapling	5						
4	4134 - Aspen, Spruce/Fir		Poletimber Well	15.6	38	51-80	N/A	Mixture of Aspen/Spruce/Fir. Majority of trees just starting to reach merchantability size. More Aspen to the East.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Quaking Aspen	70	Pole/Sapling	5	38	White Pine	Medium		Variable	Variable
	Balsam Fir	5	Pole/Sapling	5		White Spruce	High		Variable	Variable
	White Spruce	10	Pole/Sapling	5		Bracken Fern	Medium		Not Applicable	Not Applicable
	Black Spruce	5	Pole/Sapling	5						
	White Pine	5	XLog	18						
	Red Pine	5	Log	14						
5	4136 - Aspen, Mixed Conifer		Sapling Well	50.7	25	Immature	N/A	Some Fir and Pines retained in overstory from last harvest. Harvested 2000 with Wooden Bucket sale.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Quaking Aspen	80	Sapling	4	25	Wild Red Raspberry	Full		5 - 10 feet	5 - 10 feet
	Balsam Fir	15	Sapling	4						
	White Pine	5	Log/XLog	16						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
12	4136 - Aspen, Mixed Conifer	Sapling Well	13.8	25	Immature	N/A	Healthy young Aspen stand. Some Fir and Pines retained in overstory from last harvest. Wet pocket on East side of stand. Harvested 2000 with Wooden Bucket sale.																																																							
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13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	93.4	91	51-80	N/A	Small upland inclusion towards West side of stand. Much mortality observed on the Black Spruce and Tamarack.																																																							
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14	429 - Mixed Upland Conifers	Sapling Well	17.1	7	Immature	N/A	Harvested 2018 with Red Tag Salvage sale. Small Red Pine pocket within stand.																																																							
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15	629 - Mixed non-forested Wetland	None	27.6			No																																																								
16	429 - Mixed Upland Conifers	Sapling Well	39.3	7	Immature	N/A	Harvested 2018 with Red Tag Salvage sale. Small Red Pine pocket within stand.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
30	42210 - Natural Red Pine	Sawtimber Well	13.9	110	141-170	N/A	Stand within the riparian management zone of the West Branch of Escanaba river.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	10	XLog	18		Black Spruce	High		Variable	Variable
Red Pine	90	XLog	18	110	Balsam Fir	High		Variable	Variable
31	4119 - Mixed Northern Hardwoods	Sawtimber Well	18.9	97	81-110	N/A	Stocking levels vary greatly throughout stand. Stand is regenerating well in canopy gaps.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	30	Log/Pole/Sap	14	97	Ironwood	Medium		Variable	Variable
Red Maple	20	Log/Pole/Sap	12		Sugar Maple	Full		>20 feet	>20 feet
Basswood	20	Log/XLog	16		Red Maple	High		Variable	Variable
Paper Birch	5	Log/Pole	10		White Spruce	Low		Variable	Variable
Quaking Aspen	5	Log/Pole	10						
White Spruce	5	Log	14						
White Pine	10	XLog	24						
Ironwood	5	Pole/Sapling	5						
32	4133 - Aspen, Mixed Pine	Sapling Well	91.4	4	Immature	N/A		Harvested 2021. More Red Pine to West.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Red Maple	10	Sapling	1		Bracken Fern	High	Not Applicable		Not Applicable
Quaking Aspen	65	Sapling	1	4					
White Pine	10	XLog	20	110					
Red Pine	15	Log/XLog	16						
33	6111 - Lowland Balsam Poplar	Sapling Well	31.8	3	Immature	N/A	Large diameter Pine in supercanopy. Harvested winter 2022-2023.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	10	Sapling	1		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Sapling	1		Black Ash	Medium		Variable	Variable
Balsam Poplar	70	Sapling	1	3					
Black Ash	10	Sapling	1						
34	6121 - Tamarack	Sapling Medium	26.6	7	Immature	N/A	Harvested 2018 with Red Tag salvage sale.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	5	Sapling	1		Black Spruce	Low		Variable	Variable
Black Spruce	5	Sapling	1		Tag Alder	High		5 - 10 feet	5 - 10 feet
Northern White Cedar	5	Pole/Sapling	6		Tamarack	Medium		Variable	Variable
Tamarack	85	Sapling	1	7					
35	4130 - Aspen	Sapling Well	46.2	17	Immature	N/A	Stand has WP residuals. Harvested 2008 with Nauseous Aspen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	100	Sapling	2	17	Balsam Fir	Low		Variable	Variable
					Bracken Fern	Medium	Not Applicable	Not Applicable	



Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																																											
36	4119 - Mixed Northern Hardwoods	Sawtimber Well			41.8	97	81-110	N/A	Understory is fully stocked with Hard and Soft Maple. Northern edge of stand has more overstory stocking. Small upland brush openings within stand. Thinned 1987.																																																																											
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37	429 - Mixed Upland Conifers	Sawtimber Well			16.5	110	111-140	N/A	Understory harvested 1973.																																																																											
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38	6122 - Black Spruce	Poletimber Well			71.5	71	81-110	N/A	Patchy stand. Some areas fully stocked while others open grown.																																																																											
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39	6111 - Lowland Balsam Poplar	Sapling Well			10.3	4	Immature	N/A	Large diameter Pine in supercanopy. Harvested with Mondo Sawdodger sale in 2021.																																																																											
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40	429 - Mixed Upland Conifers	Sawtimber Well	20.4	110	81-110	N/A	Large diameter Pine stand with thick Spruce/Fir/Maple/Aspen poles in understory. Understory is growing slowly.																																																																			
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41	4136 - Aspen, Mixed Conifer	Sapling Well	57.2	4	Immature	N/A	Harvested 2021.																																																																			
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42	4133 - Aspen, Mixed Pine	Sapling Well	12.6	4	Immature	N/A	Harvested 2021.																																																																			
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43	6121 - Tamarack	Sapling Well	12.3	37	Unspecified	N/A	Mix of Spruce/Tamarack/Fir. Harvested 1988.																																																																			
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44	4134 - Aspen, Spruce/Fir	Sapling Well	10.1	37	Unspecified	N/A	North of road was harvested in 1988, South of road was harvested 1997. Some low areas within stand.																																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
50	6115 - Lowland Ash		Poletimber Poor	8.2	99	1-50	N/A	Southern portion is Tag Alder and Cattail. Northern finger is Black Ash.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Paper Birch	10	Pole/Sapling	6		Cattail spp.	Medium		Not Applicable	Not Applicable
	Balsam Poplar	10	Pole	8		Tag Alder	High		5 - 10 feet	5 - 10 feet
	Black Ash	80	Pole/Sapling	6	99	Black Ash	Medium		Variable	Variable
51	4319 - Mixed Upland Forest		Sapling Medium	5.9	15	Immature	N/A	Stand is slowly filling in with trees.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Quaking Aspen	45	Sapling	2	15	Bracken Fern	High		Not Applicable	Not Applicable
	Balsam Fir	35	Sapling/Pole	4						
	White Spruce	5	Sapling	2						
	White Pine	5	Sapling	2						
	Black Cherry	10	Sapling	1						
52	6121 - Tamarack		Sapling Medium	9.3	3	Immature	N/A	Large diameter Pine in supercanopy. Harvested winter 2022-2023.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Tamarack	85	Sapling	1	3	Northern White Cedar	Low		>20 feet	>20 feet
	White Pine	15	Log/XLog	16		Tag Alder	High		5 - 10 feet	5 - 10 feet
						Balsam Fir	Medium		Variable	Variable