



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12188

Entry Year 2028

Acreage: 1,450

County: Iron

Management Area: Way Dam Complex

Stand Examiner: Ed Rice

Legal Description:

T45N R31W sections 15, 16, 17, 20, 21, 28

Identified Planning Goals:

Minimal forest management opportunity. Utilize timber resources where feasible given the extreme limited access of the area. Protect the riparian areas and transition zones during management activity

Soil and topography:

Soils are generally very fine sandy loams with cobble. Lowlands consist of muck soils. The topography ranges from steep rolling hills to flat and low swamp land.

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

The compartment is contiguous in state ownership. The adjacent areas are mixed with state, private and private industrial forest. This area has in the past had no access development.

Unique Natural Features:

several ERAs are present. Unique block of state forest land in that the natural features preclude almost all vehicle access. The compartment has historically been managed over 50 years as an undesignated natural area.

Archeological, Historical, and Cultural Features:

none identified

Special Management Designations or Considerations:

Area had been considered in 1977 and revisited several times since for natural area designation but was not acted upon. Compartment has been under unit discussion whether to resubmit natural area proposal.

Watershed and Fisheries Considerations:

This compartment contains the Fence River, Camp Creek, Smith Creek, and Bates Lake. The Fence River, Camp Creek, and Smith Creek are all designated Type 1 trout streams less than 50 foot wide and have predicted mean July water temperatures ranging from 62.0 to 67.0 °F (cold streams). 300-foot riparian management zones are recommended for the Fence River, Camp Creek, and Smith Creek in areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot riparian management zone is recommended to protect these areas in accordance with best management practices. Bates Lake (11-acres) is a natural headwater inland lake. A minimum 100-foot riparian management zone is recommended for Bates Lake to protect inland lake resources in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Featured species include: black bear, pileated woodpecker, northern goshawk, ruffed grouse, and white-tailed deer. Various lowlands provide many species with wetland habitats and should not be disturbed.

Mineral Resource and Development Concerns and/or Restrictions

none identified

Vehicle Access:

None. The Fence River Road just touches the north west boundary of the compartment.

Survey Needs:

Recreational Facilities and Opportunities:

None

Fire Protection:

This area has no equipment access. Much of the compartment is not conducive to fire growth due to stands of young aspen. Lightning strike starts have occurred within the compartment but have not developed into problematic fires.

Additional Compartment Information:

The following reports from the Inventory are attached:

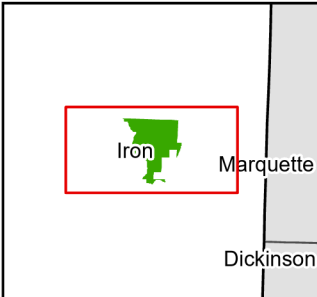
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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**

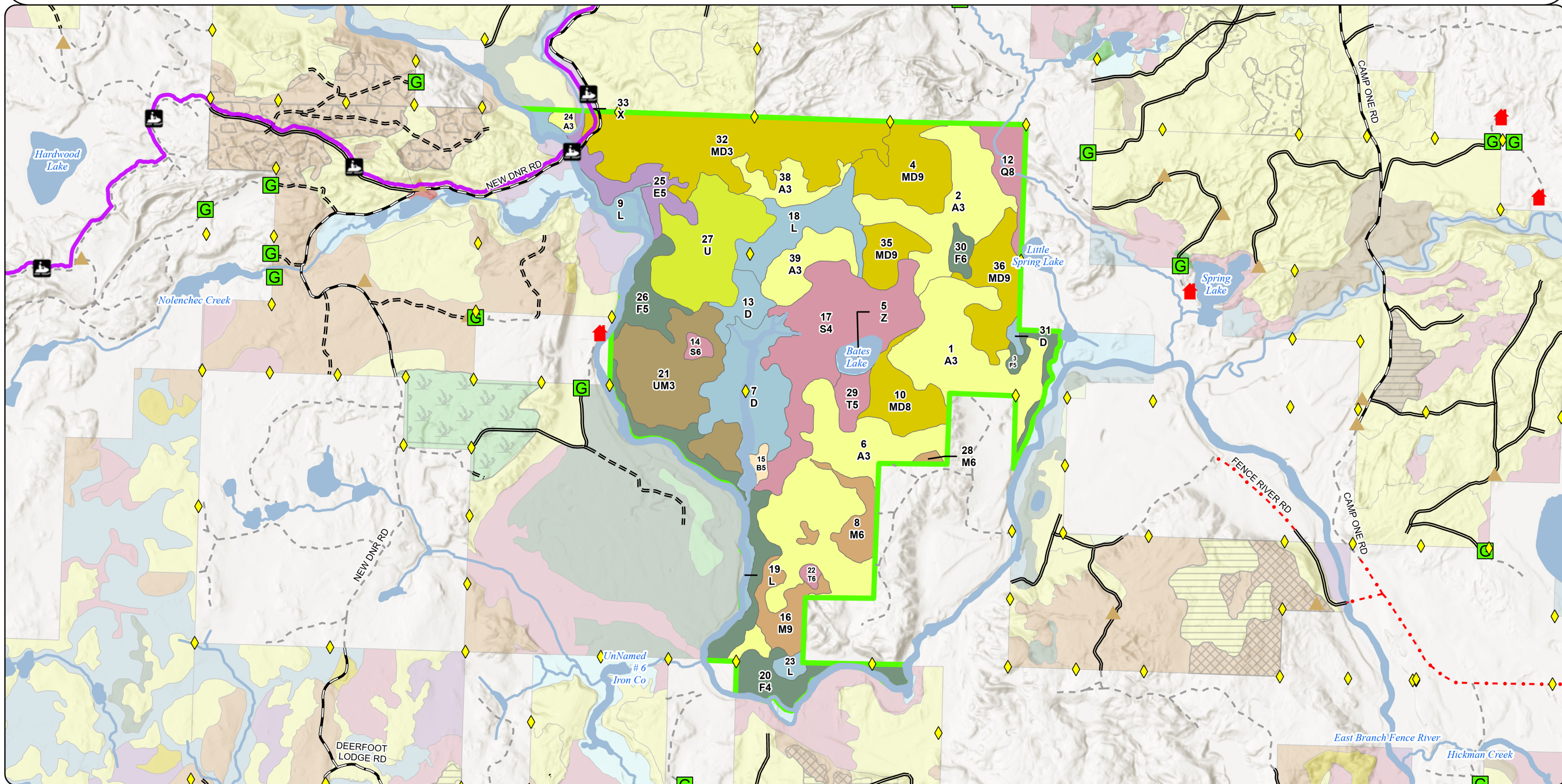
Cover Type & Treatments Map

Compartiment: 12188
T47N, R33W, Sec: 17, 20, 27, 29, 34
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review



0 0.5 1 Miles

- | | | | |
|---------------------------|------------------------------|------------------------------|---------------------------------|
| Survey Grade Corners | DNR - Secondary Forest Road | 411 - Northern Hardwood | 611 - Lowland Deciduous Forest |
| Cabin | DNR - Forest Access Route | 413 - Aspen | 612 - Lowland Coniferous Forest |
| Berm | County - Gravel Road | 414 - Other Upland Deciduous | 122 - Road/Parking Lot |
| Gate | Private - Dirt / Gravel Road | 419 - Mixed Upland Deciduous | 330 - Low Density Trees |
| Designated Snowmobile | Streams | 423 - Other Upland Conifers | 622 - Lowland Shrub |
| DNR - Primary Forest Road | Lakes and Rivers | 430 - Upland Mixed Forest | 500 - Water |
| | Compartiment Boundary | | |



Cover Type & Treatments Map

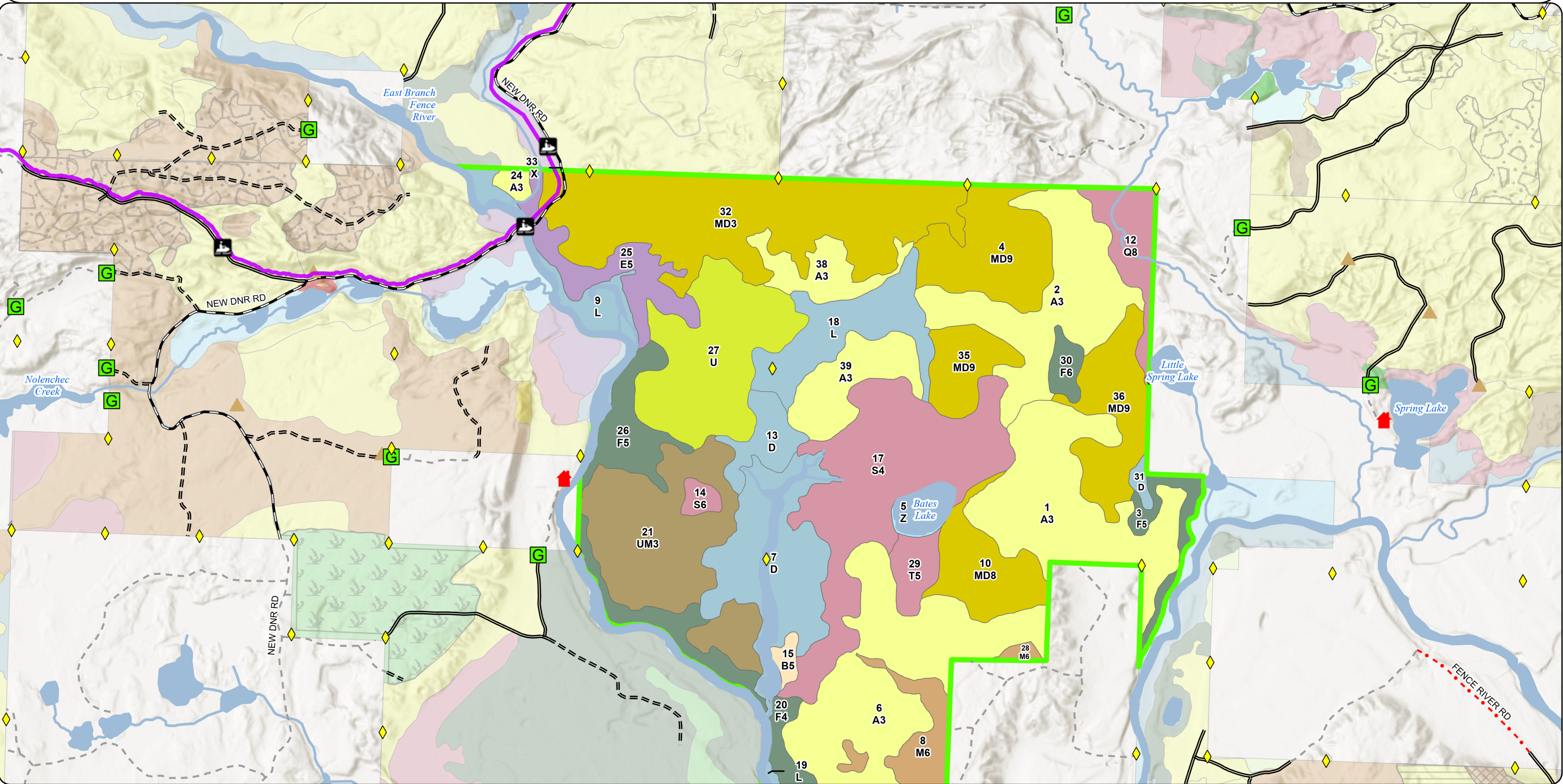
Compartment: 12188
T45N R31W Sec. 15-17, 20-22, 28
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review



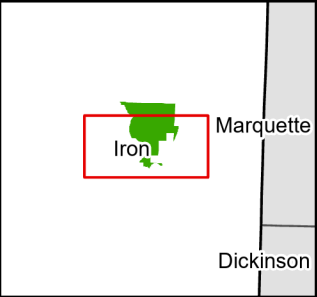
- Survey Grade Corners
- Cabin
- Berm
- Gate
- Designated Snowmobile
- DNR - Primary Forest Road

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary

- | | |
|------------------------------|---------------------------------|
| 411 - Northern Hardwood | 611 - Lowland Deciduous Forest |
| 413 - Aspen | 612 - Lowland Coniferous Forest |
| 414 - Other Upland Deciduous | 122 - Road/Parking Lot |
| 419 - Mixed Upland Deciduous | 330 - Low Density Trees |
| 423 - Other Upland Conifers | 622 - Lowland Shrub |
| 430 - Upland Mixed Forest | |
| 500 - Water | |



Cover Type & Treatments Map



Marquette
Iron
Dickinson

N





00.51 Miles

Compartiment: 12188
T45N R31W Sec. 15-17, 20-22, 28
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review

Survey Grade Corners

Cabin

Berm

Gate

DNR - Primary Forest Road

DNR - Secondary Forest Road

DNR - Forest Access Route

County - Gravel Road

Private - Dirt / Gravel Road

Streams

Lakes and Rivers

Compartiment Boundary

430 - Upland Mixed Forest

500 - Water

411 - Northern Hardwood

611 - Lowland Deciduous Forest

612 - Lowland Coniferous Forest

413 - Aspen

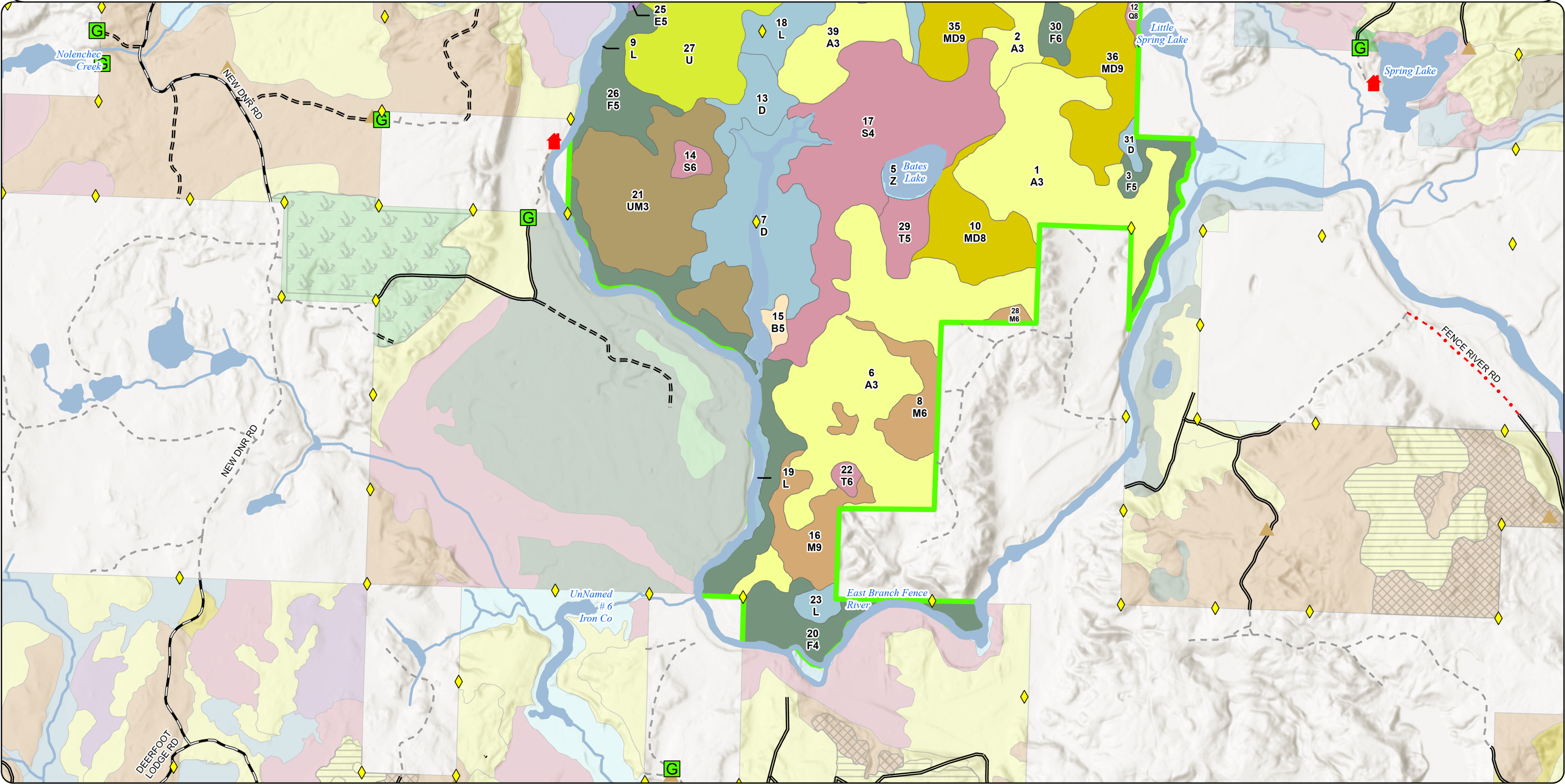
414 - Other Upland Deciduous

419 - Mixed Upland Deciduous

423 - Other Upland Conifers

330 - Low Density Trees

622 - Lowland Shrub



The main map displays a detailed view of the land cover and treatment areas. The map is color-coded by forest type, with various shades of brown, yellow, green, and blue representing different forest types. The map includes several roads, including DNR Primary Forest Roads (thick black lines), DNR Secondary Forest Roads (thin black lines), DNR Forest Access Routes (dashed black lines), County Gravel Roads (red dashed lines), and Private Dirt/Gravel Roads (grey dashed lines). Water bodies, including lakes and rivers, are shown in blue. The map also includes various symbols for land features, such as Survey Grade Corners (yellow diamonds), Cabin (red house), Berm (brown triangle), Gate (green G), and Compartiment Boundary (green outline). The map is labeled with various numbers and letters, indicating different treatment areas and forest types. The map is titled "Cover Type & Treatments Map" and includes a legend, a north arrow, a scale bar, and a metadata section.

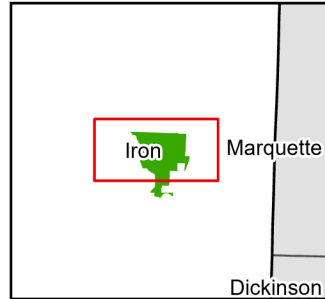
Legend:

- Survey Grade Corners
- Cabin
- Berm
- Gate
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartiment Boundary
- 430 - Upland Mixed Forest
- 500 - Water
- 411 - Northern Hardwood
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 330 - Low Density Trees
- 622 - Lowland Shrub

Metadata:

- Compartiment: 12188
- T45N R31W Sec. 15-17, 20-22, 28
- County: Iron
- Unit: Crystal Falls
- Mgmt. Area: Way Dam Complex
- YOE: 2028
- Acres: 1,450 GIS Calculated
- Examiner: Ed Rice
- Date Exported: 06/22/2026
- Map Phase: Post Review

Stand Boundary Map

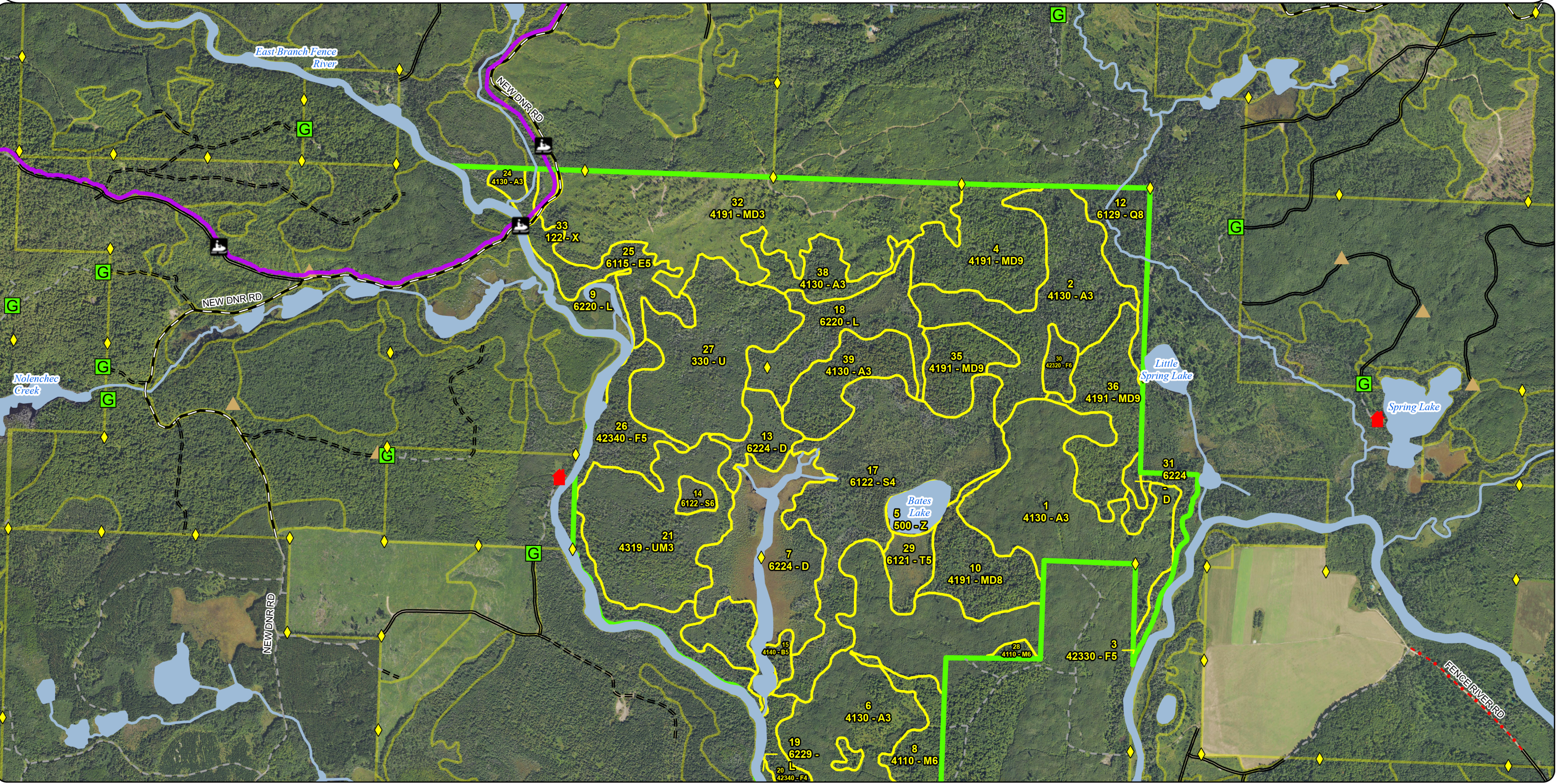


Compartment: 12188
T45N R31W Sec. 15-17, 20-22, 28
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review

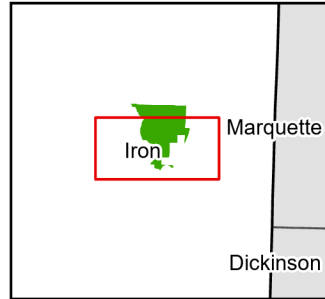
- Survey Grade Corners
- Cabin
- Berm
- Gate
- Designated Snowmobile
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- County - Gravel Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Compartment Stand Yellow Outline (PD)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous

- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 330 - Low Density Trees
- 622 - Lowland Shrub



Stand Boundary
Map

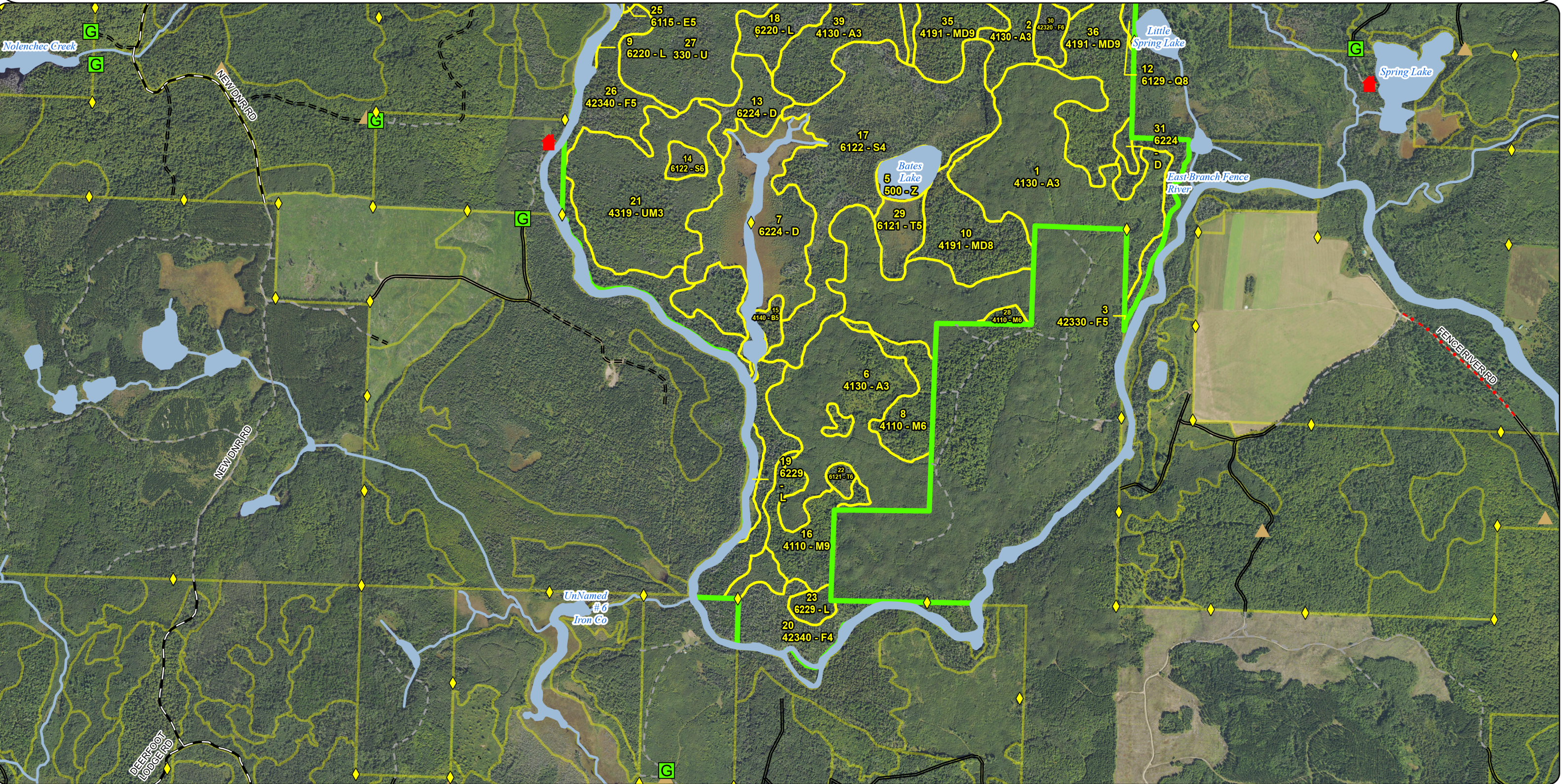


Compartment: 12188
T45N R31W Sec. 15-17, 20-22, 28
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review

- Survey Grade Corners
- Cabin
- Berm
- Gate
- 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
- Compartment Stand Yellow Outline (PD)
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous

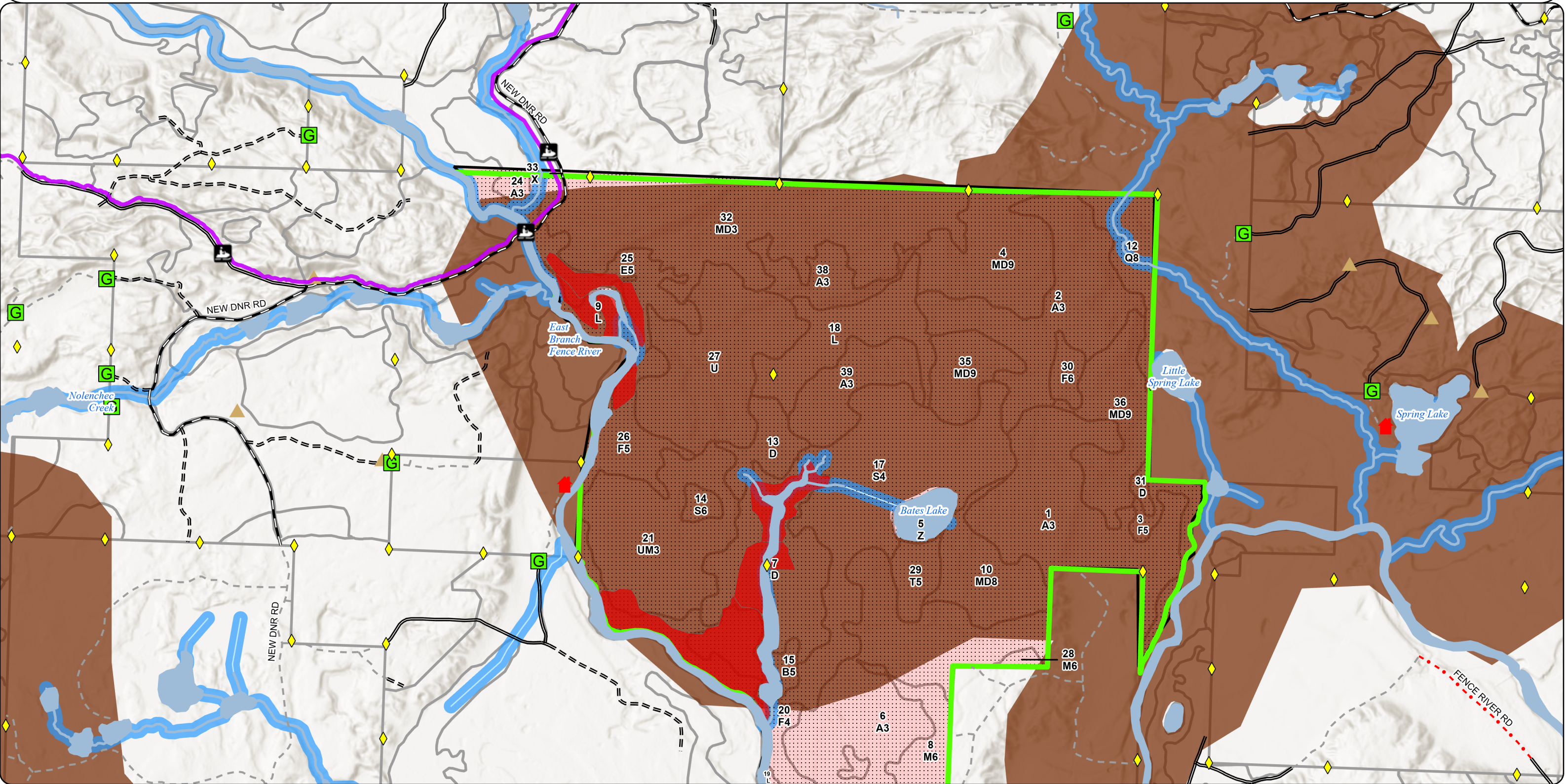
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub



A map of Iron County, Minnesota, highlighted in green. The county is labeled "Iron" in black text. To its right, the label "Marquette" is visible, and below it, "Dickinson" is visible. A red rectangular box is drawn around the Iron County label and its corresponding green area.

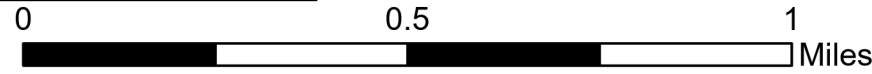
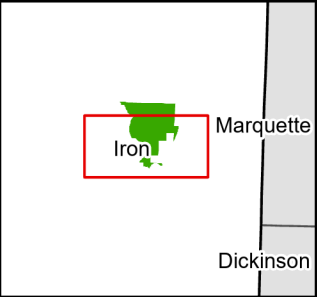
A horizontal scale bar with a black segment on the left and a white segment on the right, separated by a vertical line. The number '1' is centered above the bar, and the word 'Miles' is at the right end.

- | | | |
|--|--|---|
|  Survey Grade Corners |  DNR - Secondary Forest Road |  High Conservation Value Areas |
|  Cabin |  DNR - Forest Access Route |  Ecological Reference Areas |
|  Berm |  County - Gravel Road |  SCA |
|  Gate |  Private - Dirt / Gravel Road |  Cold Water Streams |
|  Designated Snowmobile |  Streams |  High Priority Trout Stream Buffer |
|  DNR - Primary Forest Road |  Lakes and Rivers |  Deer Winter Range |
| |  Compartment Boundary |  Contiguous Resource Area |



Special Conservation Areas
& Site Conditions Map

Compartment: 12188
T45N R31W Sec. 15-17, 20-22, 28
County: Iron
Unit: Crystal Falls
Mgmt. Area: Way Dam Complex
YOE: 2028
Acres: 1,450 GIS Calculated
Examiner: Ed Rice
Date Exported: 06/22/2026
Map Phase: Post Review

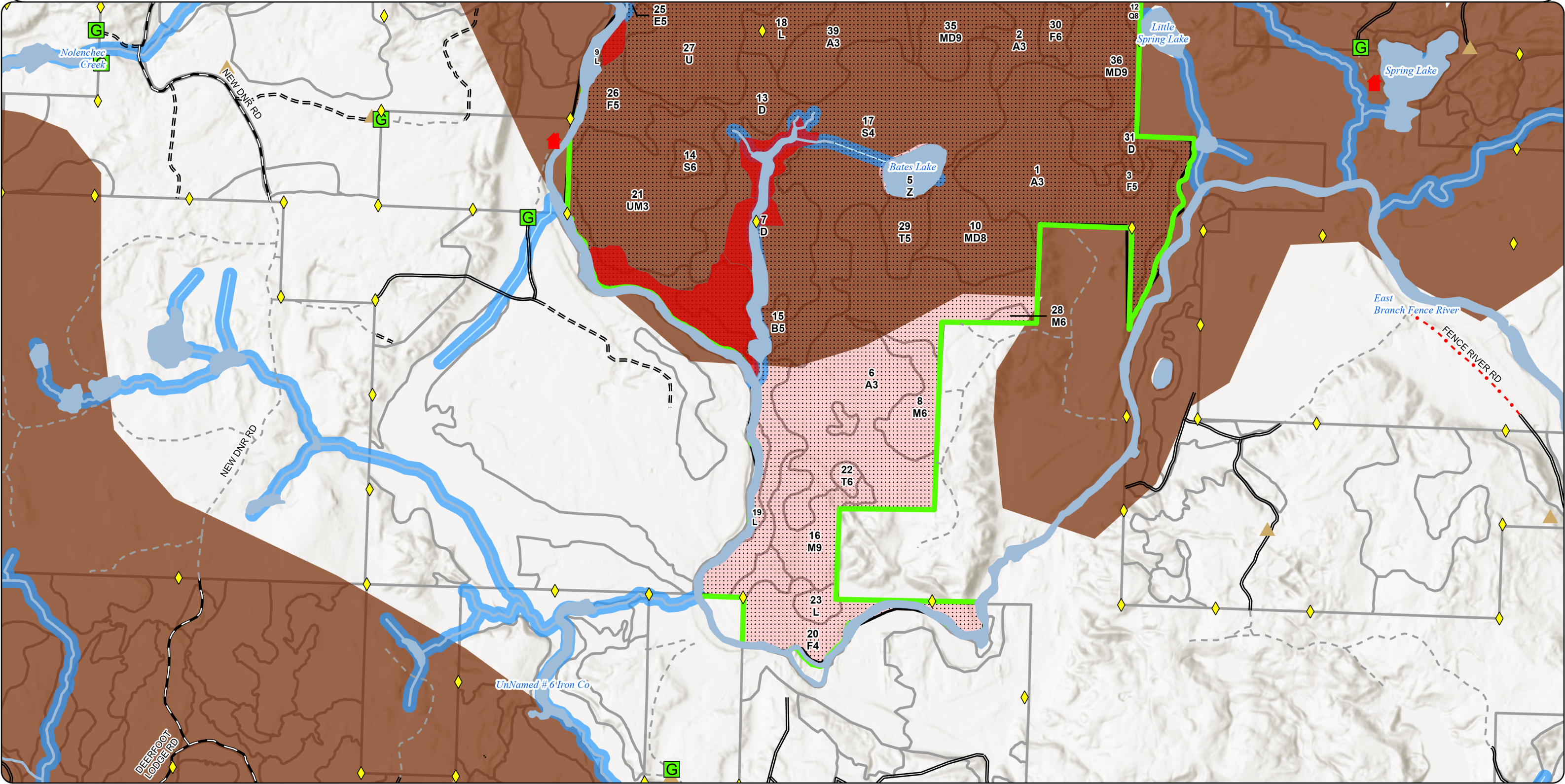


- Survey Grade Corners
- Cabin
- Berm
- Gate

- 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

- High Conservation Value Areas
- Ecological Reference Areas
 - SCA
 - Cold Water Streams
 - High Priority Trout Stream Buffer
 - Deer Winter Range
 - Contiguous Resource Area



Report 1 – Total Acres by Cover Type and Age Class

Ed Rice: Examiner



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	0	0	377	4	0	0	0	0	0	0	0	0	0	0	0	0	0	381
Low-Density Trees	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	26
Lowland Deciduous	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Shrub	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Lowland Spruce/Fir	0	0	0	0	0	0	0	123	0	0	0	0	0	0	0	0	0	0	123
Mixed Upland Deciduous	0	149	0	0	0	0	0	54	37	0	69	0	0	0	0	0	0	0	308
Northern Hardwood	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	53
Paper Birch	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Tamarack	0	0	0	0	0	0	0	14	0	3	0	0	0	0	0	0	0	0	17
Treed Bog	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Upland Mixed Forest	0	0	0	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Upland Spruce/Fir	0	0	0	0	0	68	0	65	0	0	0	0	0	0	0	0	0	0	133
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Total	275	149	0	472	4	68	33	256	95	3	95	0	0	0	0	0	0	0	1449



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 188
Total Compartment Acres: 1,450

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

S t a n d	Mgt. Unit			Report 3 -- Treatments					Compartment: 12188		
									Year of Entry: 2028		
	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	

Total Treatment Acreage Proposed: 0



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
-------------	-----------------	----------------------	---------------------

Dominant Site Conditions

Acres	Available	<i>With Condition</i>	Not Available		2F	2H	3A	3E	3J	3K	5D
346	264	<i>0</i>	82	Aspen		33		48	1		
83	83	<i>0</i>	0	Low-Density Trees							
26	0	<i>0</i>	26	Lowland Conifers				22	4		
33	0	<i>0</i>	33	Lowland Deciduous						33	
83	83	<i>0</i>	0	Lowland Shrub							
124	0	<i>0</i>	124	Lowland Spruce/Fir			5				118
166	0	<i>0</i>	166	Mixed Upland Deciduous	8	107		50			
54	54	<i>0</i>	0	Northern Hardwood							
5	0	<i>0</i>	5	Paper Birch		5					
17	0	<i>0</i>	17	Tamarack			3				14
97	97	<i>0</i>	0	Treed Bog							
95	95	<i>0</i>	0	Upland Mixed Forest							
127	0	<i>0</i>	127	Upland Spruce/Fir		20		1	106		
1	1	<i>0</i>	0	Urban							
11	11	<i>0</i>	0	Water							
1,264	687		578	Total Forested Acres	8	165	8	121	111	33	132
	54%		46%	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	Dominant Site 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)	15	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	22	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	Unspecified
Comments: undivided interest								

Report 4 – Site Conditions



3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: inaccessible - surrounded by wet swamp, severely steep ridges							
5	Unavailable	5D: Unproductive forest land	118	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: low SI lowland conifer. Bates Lake bog							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	99	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



9	Unavailable	3K: Rare or unique landforms	33	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: MNFI ERA							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	108	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2F: Too steep	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5D: Unproductive forest land	14	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: low SI tamarack swamp, Bates Lake bog							
14	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: vernal area							

Report 4 – Site Conditions



15	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3A: Conservation values incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: vernal area							
18	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3A: Conservation values incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
Bates Lake Wild Area	Contiguous Resource Area	Contiguous Resource Area	SCA Proposal	
Comments				
historically has been proposed several times to be a designated wild area. through recent pre review, it was suggested the best course of action is to designate the compartment as an SCA. mutiple ERAs have been identified inside this area				



<



MICHIGAN



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
16	4110 - Sugar Maple Association	Sawtimber Well	27.2	75	81-110	N/A	uneven aged stand. large sawtimber 14 - 20" dbh, poletimber 8 - 6" dbh, saplings 3 - 4" dbh. N end has steep gullies. sawtimber is fair quality, some defect is present 1 - 2 log heights. NW finger of stand has higher stocking of w birch, y birch and scattered large w pine.																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>55</td><td>Pole</td><td>7</td><td>75</td></tr><tr><td>Basswood</td><td>15</td><td>Log</td><td>14</td><td></td></tr><tr><td>Sugar Maple</td><td>30</td><td>XLog</td><td>20</td><td>99</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	55	Pole	7	75	Basswood	15	Log	14		Sugar Maple	30	XLog	20	99	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Leatherwood</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Elderberry</td><td>High</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	10 - 20 feet	10 - 20 feet	Leatherwood	Medium	5 - 10 feet	5 - 10 feet	Elderberry	High	< 5 feet	< 5 feet															
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Sugar Maple	55	Pole	7	75																																																			
Basswood	15	Log	14																																																				
Sugar Maple	30	XLog	20	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Sugar Maple	Low	10 - 20 feet	10 - 20 feet																																																				
Leatherwood	Medium	5 - 10 feet	5 - 10 feet																																																				
Elderberry	High	< 5 feet	< 5 feet																																																				
17	6122 - Black Spruce	Poletimber Poor	118.4	66	Unspecified	N/A	S end heavy to tag alder with b ash, very wet. scattered/isolated higher ground ridges																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>50</td><td>Pole</td><td>7</td><td>66</td></tr><tr><td>Tamarack</td><td>30</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>XLog</td><td>20</td><td></td></tr><tr><td>Black Ash</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Spruce	50	Pole	7	66	Tamarack	30	Pole	8		Northern White Cedar	10	Log	12		White Pine	5	XLog	20		Black Ash	5	Sapling/Pole	4		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Tag Alder</td><td>Full</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet	Tag Alder	Full	5 - 10 feet	5 - 10 feet									
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Black Spruce	50	Pole	7	66																																																			
Tamarack	30	Pole	8																																																				
Northern White Cedar	10	Log	12																																																				
White Pine	5	XLog	20																																																				
Black Ash	5	Sapling/Pole	4																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																				
Tag Alder	Full	5 - 10 feet	5 - 10 feet																																																				
18	6220 - Alder/Willow	None	45.5			No	tag alder with scattered b spruce and tamarack. bog spruce/tamarack in NE corner																																																
19	6229 - Mixed Lowland Shrub	None	5.6			No	floodplain to Fence River - tag alder																																																
20	42340 - Upland Spruce/Fir	Poletimber Poor	60.3	47	Unspecified	N/A	much of overstory has fallen out due to old age and 2005 windthrow. dense fir understory. S end has pockets of A3. very scattered b cherry and w pine.																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>35</td><td>Pole/Sapling</td><td>6</td><td>47</td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>White Spruce</td><td>30</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Log</td><td>16</td><td></td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Sapling</td><td>2</td><td>20</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Balsam Fir	35	Pole/Sapling	6	47	Paper Birch	10	Pole/Sapling	6		White Spruce	30	Pole/Log	9		Quaking Aspen	15	Log	16		Quaking Aspen	10	Sapling	2	20	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Balsam Fir</td><td>Full</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Hazelnut (Beaked)</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	10 - 20 feet	10 - 20 feet	Balsam Fir	Full	10 - 20 feet	10 - 20 feet	Hazelnut (Beaked)	High	5 - 10 feet	5 - 10 feet	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Balsam Fir	35	Pole/Sapling	6	47																																																			
Paper Birch	10	Pole/Sapling	6																																																				
White Spruce	30	Pole/Log	9																																																				
Quaking Aspen	15	Log	16																																																				
Quaking Aspen	10	Sapling	2	20																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Quaking Aspen	High	10 - 20 feet	10 - 20 feet																																																				
Balsam Fir	Full	10 - 20 feet	10 - 20 feet																																																				
Hazelnut (Beaked)	High	5 - 10 feet	5 - 10 feet																																																				
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																				
21	4319 - Mixed Upland Forest	Sapling Well	94.9	20	Immature	N/A	scattered mature timber among deadfalls and A3. small pockets of spruce/fir throughout. higher stocking of spruce/fir along Fence River corridor.																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>5</td><td>Log</td><td>14</td><td></td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole</td><td>7</td><td></td></tr><tr><td>White Spruce</td><td>20</td><td>Log</td><td>12</td><td>81</td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>XLog</td><td>20</td><td></td></tr><tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>3</td><td>20</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	5	Log	14		Balsam Fir	20	Pole	7		White Spruce	20	Log	12	81	Paper Birch	10	Pole/Log	9		White Pine	5	XLog	20		Quaking Aspen	40	Sapling	3	20	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (Beaked)</td><td>Full</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Quaking Aspen</td><td>Full</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Beaked)	Full	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet	Quaking Aspen	Full	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	5	Log	14																																																				
Balsam Fir	20	Pole	7																																																				
White Spruce	20	Log	12	81																																																			
Paper Birch	10	Pole/Log	9																																																				
White Pine	5	XLog	20																																																				
Quaking Aspen	40	Sapling	3	20																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Hazelnut (Beaked)	Full	5 - 10 feet	5 - 10 feet																																																				
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																				
Quaking Aspen	Full	10 - 20 feet	10 - 20 feet																																																				
22	6121 - Tamarack	Poletimber Well	3.2	85	Unspecified	N/A	sphagnum/Labrador tea tamarack/b spruce swamp																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>80</td><td>Pole</td><td>9</td><td>85</td></tr><tr><td>Black Spruce</td><td>20</td><td>Pole</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Tamarack	80	Pole	9	85	Black Spruce	20	Pole	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	10 - 20 feet	10 - 20 feet																												
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Tamarack	80	Pole	9	85																																																			
Black Spruce	20	Pole	7																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Black Spruce	Low	10 - 20 feet	10 - 20 feet																																																				



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
23	6229 - Mixed Lowland Shrub	None	5.7			No	dense tag alder thicket with scattered balm and b ash saplings																																						
24	4130 - Aspen	Sapling Well	4.3	35	Unspecified	N/A	scattered trees just moving into poletimber size class																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>85</td><td>Sapling/Pole</td><td>4</td><td>35</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Pole</td><td>9</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	85	Sapling/Pole	4	35	Balsam Fir	15	Pole	9				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (Beaked)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Beaked)	Low	5 - 10 feet	5 - 10 feet																	
Canopy Species	% Cover	Size Class	DBH	Age																																									
Quaking Aspen	85	Sapling/Pole	4	35																																									
Balsam Fir	15	Pole	9																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Hazelnut (Beaked)	Low	5 - 10 feet	5 - 10 feet																																										
25	6115 - Lowland Ash	Poletimber Medium	33.0	51	Unspecified	N/A	bottom land to Fence River. very wet - springs																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>White Spruce</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Black Ash</td><td>70</td><td>Pole/Sapling</td><td>7</td><td>51</td></tr><tr><td>Northern White Cedar</td><td>10</td><td>XLog</td><td>18</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Pole	6		White Spruce	10	Log	12		Black Ash	70	Pole/Sapling	7	51	Northern White Cedar	10	XLog	18				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Full</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Ash</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Full	5 - 10 feet	5 - 10 feet	Black Ash	High	10 - 20 feet	10 - 20 feet			
Canopy Species	% Cover	Size Class	DBH	Age																																									
Balsam Fir	10	Pole	6																																										
White Spruce	10	Log	12																																										
Black Ash	70	Pole/Sapling	7	51																																									
Northern White Cedar	10	XLog	18																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	Full	5 - 10 feet	5 - 10 feet																																										
Black Ash	High	10 - 20 feet	10 - 20 feet																																										
26	42340 - Upland Spruce/Fir	Poletimber Medium	50.4	67	Unspecified	N/A	dense fir understory in most areas. stand transitioning from floodplain to upland																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>50</td><td>Pole</td><td>8</td><td>67</td></tr><tr><td>White Spruce</td><td>20</td><td>Log</td><td>14</td><td></td></tr><tr><td>Paper Birch</td><td>15</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>XLog</td><td>20</td><td></td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Log</td><td>16</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	50	Pole	8	67	White Spruce	20	Log	14		Paper Birch	15	Log/Pole	10		White Pine	5	XLog	20		Quaking Aspen	10	Log	16				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Full</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Full	10 - 20 feet	10 - 20 feet		
Canopy Species	% Cover	Size Class	DBH	Age																																									
Balsam Fir	50	Pole	8	67																																									
White Spruce	20	Log	14																																										
Paper Birch	15	Log/Pole	10																																										
White Pine	5	XLog	20																																										
Quaking Aspen	10	Log	16																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Balsam Fir	Full	10 - 20 feet	10 - 20 feet																																										
27	330 - Low-Density Trees	None	82.7			No	low cords/acre areas intermixed with advanced A3 from 2005 windthrow in pockets. small lowland inclusions. scattered w birch. rolling hills, old dead falls, extremely difficult to access stand																																						
28	4110 - Sugar Maple Association	Poletimber Well	2.7	73	81-110	N/A	area salvaged after 2005 windthrow																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>70</td><td>Pole</td><td>8</td><td>73</td></tr><tr><td>Basswood</td><td>30</td><td>Log</td><td>14</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	70	Pole	8	73	Basswood	30	Log	14				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Ironwood</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Blackberry/Raspberry</td><td>High</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Low	10 - 20 feet	10 - 20 feet	Blackberry/Raspberry	High	< 5 feet	< 5 feet													
Canopy Species	% Cover	Size Class	DBH	Age																																									
Sugar Maple	70	Pole	8	73																																									
Basswood	30	Log	14																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Ironwood	Low	10 - 20 feet	10 - 20 feet																																										
Blackberry/Raspberry	High	< 5 feet	< 5 feet																																										
29	6121 - Tamarack	Poletimber Medium	13.7	61	Unspecified	N/A	wet - sphagnum. center of stand is less timbered and higher percent of tamarack																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>65</td><td>Pole/Sapling</td><td>6</td><td>61</td></tr><tr><td>Black Spruce</td><td>35</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	65	Pole/Sapling	6	61	Black Spruce	35	Pole/Sapling	5				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet																	
Canopy Species	% Cover	Size Class	DBH	Age																																									
Tamarack	65	Pole/Sapling	6	61																																									
Black Spruce	35	Pole/Sapling	5																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																										
30	42320 - Upland Spruce	Poletimber Well	8.0	48	Unspecified	N/A	fairly dense spruce, w pine, j pine upland stand with higher water table. very scattered large w spruce 16 - 18" dbh																																						
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Spruce</td><td>75</td><td>Pole</td><td>7</td><td>48</td></tr><tr><td>White Pine</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Balsam Poplar</td><td>10</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Jack Pine</td><td>10</td><td>Pole</td><td>7</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	75	Pole	7	48	White Pine	5	Pole	8		Balsam Poplar	10	Pole/Sapling	5		Jack Pine	10	Pole	7				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	High	10 - 20 feet	10 - 20 feet							
Canopy Species	% Cover	Size Class	DBH	Age																																									
White Spruce	75	Pole	7	48																																									
White Pine	5	Pole	8																																										
Balsam Poplar	10	Pole/Sapling	5																																										
Jack Pine	10	Pole	7																																										
Sub-Canopy Species	Density	Avg. Height	Size																																										
White Spruce	High	10 - 20 feet	10 - 20 feet																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
31	6224 - Treed Bog	None	3.1			No	leatherleaf bog with b spruce and tamarack																																												
32	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	148.7	6	1-50	N/A	2025: good aspen regeneration with mix of residual maple, w pine, and conifer2018: oak component also in N end. scattered large h maple - low quality but good seed trees. rolling hills with some steep slopes throughout. stand cut in 2019. overall is aspen, r maple regenerating with pockets of h maple saplings and small poles. pockets of hardwood inclusions, mainly h maple																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Paper Birch</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Quaking Aspen</td><td>35</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Red Pine</td><td>5</td><td>XLog</td><td>18</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>XLog</td><td>20</td><td></td></tr><tr><td>White Spruce</td><td>5</td><td>Sapling/Pole</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	25	Sapling	1		Paper Birch	10	Log	12		Quaking Aspen	35	Sapling	1	6	Red Pine	5	XLog	18		White Pine	5	XLog	20		White Spruce	5	Sapling/Pole	2		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Medium	10 - 20 feet	10 - 20 feet	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	25	Sapling	1																																																
Paper Birch	10	Log	12																																																
Quaking Aspen	35	Sapling	1	6																																															
Red Pine	5	XLog	18																																																
White Pine	5	XLog	20																																																
White Spruce	5	Sapling/Pole	2																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
White Spruce	Medium	10 - 20 feet	10 - 20 feet																																																
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																
33	122 - Road/Parking Lot	None	0.8			No	Fence River Rd																																												
35	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	24.6	90	81-110	N/A	inclusions of M6 scattered in several areas through the stand. N end has higher stocking of mature aspen 16" dbh and larger. oak component also in N end. scattered large h maple - low quality but good seed trees. very NW area of stand is mainly w spruce 18 - 20" dbh and fir 10 - 14" dbh. rolling hills with some steep slopes throughout.																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>25</td><td>Pole</td><td>8</td><td>68</td></tr><tr><td>Paper Birch</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Log</td><td>16</td><td>90</td></tr><tr><td>Red Pine</td><td>2</td><td>XLog</td><td>18</td><td></td></tr><tr><td>White Pine</td><td>3</td><td>XLog</td><td>20</td><td></td></tr><tr><td>White Spruce</td><td>15</td><td>Log</td><td>12</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	25	Pole	8	68	Paper Birch	10	Log	12		Quaking Aspen	30	Log	16	90	Red Pine	2	XLog	18		White Pine	3	XLog	20		White Spruce	15	Log	12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Medium	10 - 20 feet	10 - 20 feet	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	25	Pole	8	68																																															
Paper Birch	10	Log	12																																																
Quaking Aspen	30	Log	16	90																																															
Red Pine	2	XLog	18																																																
White Pine	3	XLog	20																																																
White Spruce	15	Log	12																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
White Spruce	Medium	10 - 20 feet	10 - 20 feet																																																
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																
36	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	44.3	90	81-110	N/A	inclusions of M6 scattered in several areas through the stand. N end has higher stocking of mature aspen 16" dbh and larger. oak component also in N end. scattered large h maple - low quality but good seed trees. very NW area of stand is mainly w spruce 18 - 20" dbh and fir 10 - 14" dbh. rolling hills with some steep slopes throughout.																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>25</td><td>Pole</td><td>8</td><td>68</td></tr><tr><td>Paper Birch</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Log</td><td>16</td><td>90</td></tr><tr><td>Red Pine</td><td>2</td><td>XLog</td><td>18</td><td></td></tr><tr><td>White Pine</td><td>3</td><td>XLog</td><td>20</td><td></td></tr><tr><td>White Spruce</td><td>15</td><td>Log</td><td>12</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	25	Pole	8	68	Paper Birch	10	Log	12		Quaking Aspen	30	Log	16	90	Red Pine	2	XLog	18		White Pine	3	XLog	20		White Spruce	15	Log	12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Spruce</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet	White Spruce	Medium	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	25	Pole	8	68																																															
Paper Birch	10	Log	12																																																
Quaking Aspen	30	Log	16	90																																															
Red Pine	2	XLog	18																																																
White Pine	3	XLog	20																																																
White Spruce	15	Log	12																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																
White Spruce	Medium	10 - 20 feet	10 - 20 feet																																																
38	4130 - Aspen	Sapling Well	22.1	20	Immature	N/A	successful natural aspen regeneration from 2005 windthrow. very scattered large aspen 18" dbh. old windthrow still remains throughout the stand. small inclusion of upland to semi upland black spruce. rolling hills with areas of steep slope. at bottom of severely steep ridge system.																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>90</td><td>Sapling</td><td>3</td><td>20</td></tr><tr><td>Paper Birch</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>3</td><td>Pole</td><td>9</td><td></td></tr><tr><td>White Spruce</td><td>2</td><td>Log</td><td>14</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	90	Sapling	3	20	Paper Birch	5	Log	12		Red Maple	3	Pole	9		White Spruce	2	Log	14		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hazelnut (Beaked)</td><td>Full</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Beaked)	Full	5 - 10 feet	5 - 10 feet														
Canopy Species	% Cover	Size Class	DBH	Age																																															
Quaking Aspen	90	Sapling	3	20																																															
Paper Birch	5	Log	12																																																
Red Maple	3	Pole	9																																																
White Spruce	2	Log	14																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Hazelnut (Beaked)	Full	5 - 10 feet	5 - 10 feet																																																



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments	
39	4130 - Aspen			Sapling Well		33.1	20	Immature	N/A	successful natural aspen regeneration from 2005 windthrow. very scattered large aspen 18" dbh. old windthrow still remains throughout the stand. rolling hills with areas of steep slope.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		90	Sapling	3	20	Hazelnut (Beaked)		Full	5 - 10 feet	5 - 10 feet	
Paper Birch		5	Log	12							
Red Maple		3	Pole	9							
White Spruce		2	Log	14							