



# Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12157

Entry Year: 2027

Acreage: 990

County: Iron

Management Area: Brule River

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**Stand Examiner:** Ed Rice

**Legal Description:**

T42N-R32W sections 3, 10, 11

**Identified Planning Goals:**

Develop age class distribution in aspen type. Maintain health of conifer types and increase acreage where possible.

Promote red pine types towards natural pine management. Encourage oak recruitment.

**Soil and topography:**

Vilas-Karlin complex on flat to rolling hills with a few small low areas and drains.

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

State lands mixed with company lands and some private parcels. Lands used mainly for hunting and fishing and managed for timber products.

**Unique Natural Features:**

Mud Lake, Tim Bowers Pond and Paint River.

**Archeological, Historical, and Cultural Features:**

None

**Special Management Designations or Considerations:**

Michigan Natural Features show several animal occurrences.

**Watershed and Fisheries Considerations:**

Stream buffers should be implemented. Streams, regardless of their size or frequency of flow, are connected to downstream waters and strongly influence their function. Additionally, wetlands and open waters in riparian areas and floodplains are physically, chemically, and biologically integrated with rivers via functions that improve downstream water quality. These systems act as effective buffers to protect downstream waters from pollution and are essential components of river food webs. BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

**Wildlife Habitat Considerations:**

This compartment is part of the Panola Plains Management Area. The predominant wildlife habitat features, in this compartment, are the large opening complexes that have been maintained on an annual basis by wildlife division through fire and herbaceous plantings. Eastern bluebird is the featured species that is managed for to monitor the health of the opening complex. In addition, ideal Kirtland's warbler jack pine habitat is located within this compartment. The blueberry, serviceberry, cherry and oak shrubs and trees that are promoted in this compartment, in openings and forest understories, provide hard and soft mast for bear, deer, turkeys, grouse and a variety of non-game wildlife species. During this inventory cycle, heavy winter deer use was observed throughout the compartment, notably in the mixed pine types.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Michigamme Formation and Amasa iron formation underlie the glacial drift. Abandoned iron mines are located less than two miles to the north. The nearest gravel pit may be in Section 8. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Off US-2 on Panola Plains Road and associated woods roads.

**Survey Needs:**

None.

## **Recreational Facilities and Opportunities:**

### **Fire Protection:**

The dry, sand ground lends itself to wildfire. There are only a few jack pine stands remaining, the rest of the pine fuel type is open, park like red pine. Any start, for the most part, would be mainly confined to ground fire. Road access is good, the Paint River as a water source is nearby.

### **Additional Compartment Information:**

None.

### **The following reports from the Inventory are attached:**

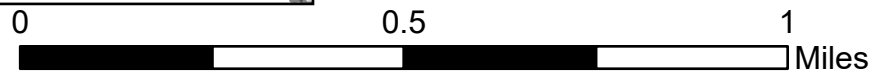
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

### **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: 12157  
T42N-R32W sections 3, 10 and 11  
County: Iron  
Unit: Crystal Falls  
Mgmt. Area: Brule River  
YOE: 2027  
Acres: 990 GIS Calculated  
Examiner: Ed Rice  
Date Exported: 04/28/2025  
Map Phase: Web Post

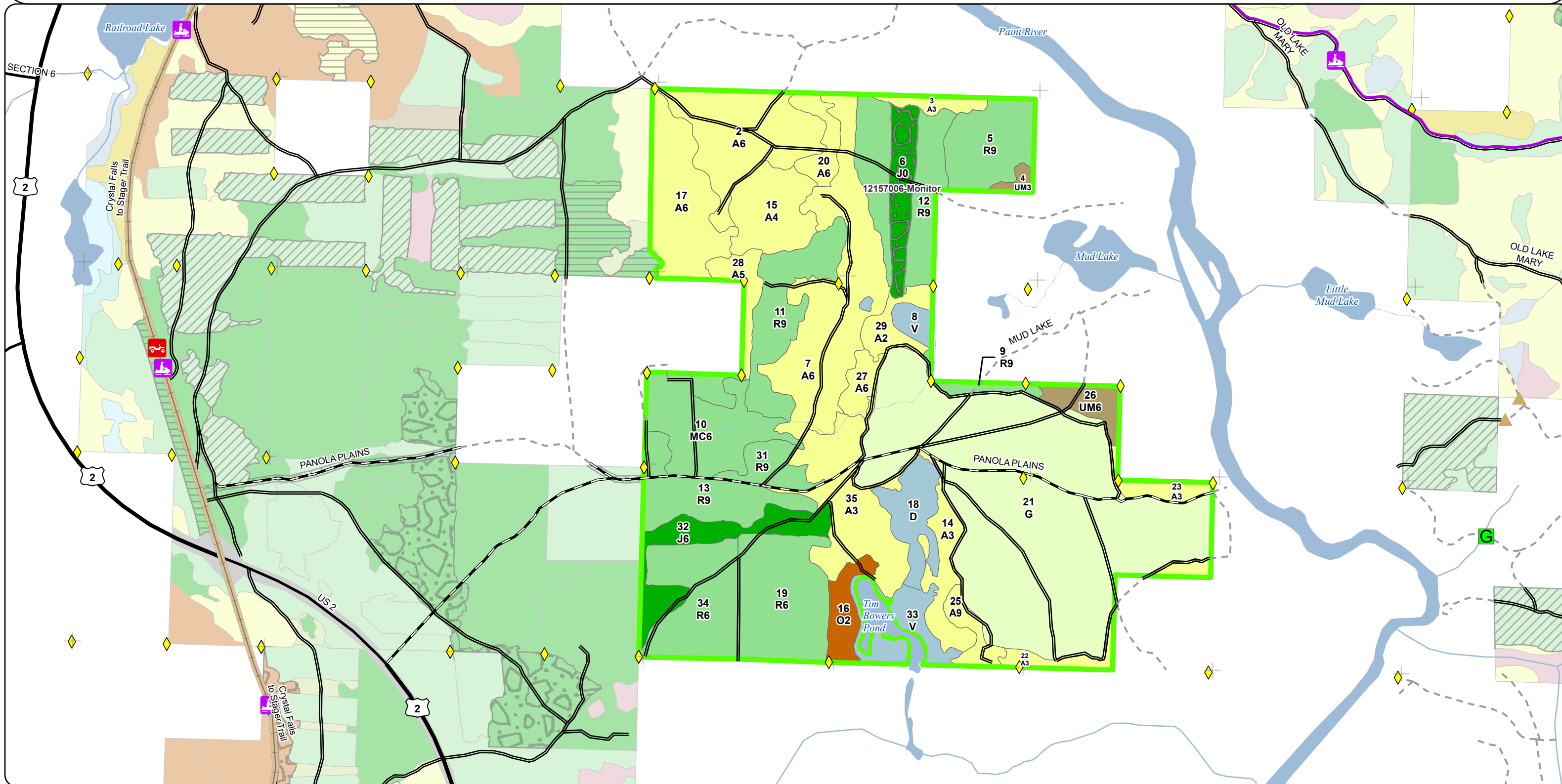


- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Gate
- Designated ORV Routes
- Designated Snowmobile Trails

- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream






- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Monitoring - Regeneration
- 412 - Oak Types

- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub





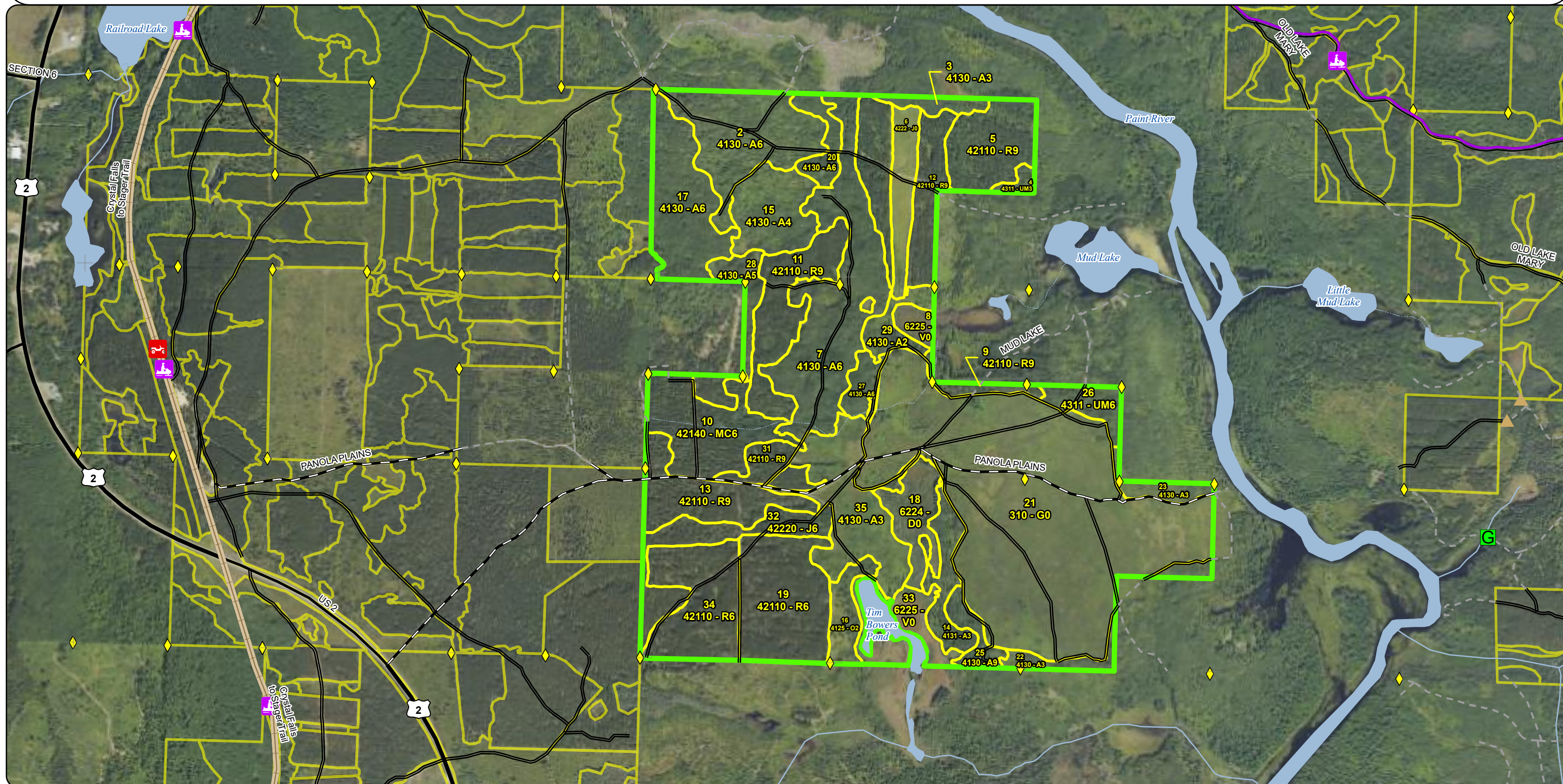
A horizontal scale bar with a black background and white markings. It is divided into four equal segments by white vertical lines. The first segment is labeled '0' at its left end, the second segment is labeled '0.5' at its right end, and the fourth segment is labeled '1' at its right end. The word 'Miles' is written in black text at the far right end of the bar.

-  Remonumented Section Corners
-  Survey Grade Corners
-  Berms
-  Gate
-  Designated ORV Routes

-  Designated Snowmobile Trails
-  DNR - Primary Forest Road
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- - - Intermittent Stream  
 — Perennial River  
 ■ Lakes and Rivers  
 □ Counties  
 ■ Compartment Boundary  
 412 - Oak Types

413 - Aspen  
421 - Planted Pines  
422 - Natural Pines  
430 - Upland Mixed Forest  
310 - Herbaceous Openland  
622 - Lowland Shrub





# Special Conservation Areas & Site Conditions Map

Compartment: 12157  
T42N-R32W sections 3, 10 and 11  
County: Iron  
Unit: Crystal Falls  
Mgmt. Area: Brule River  
YOE: 2027  
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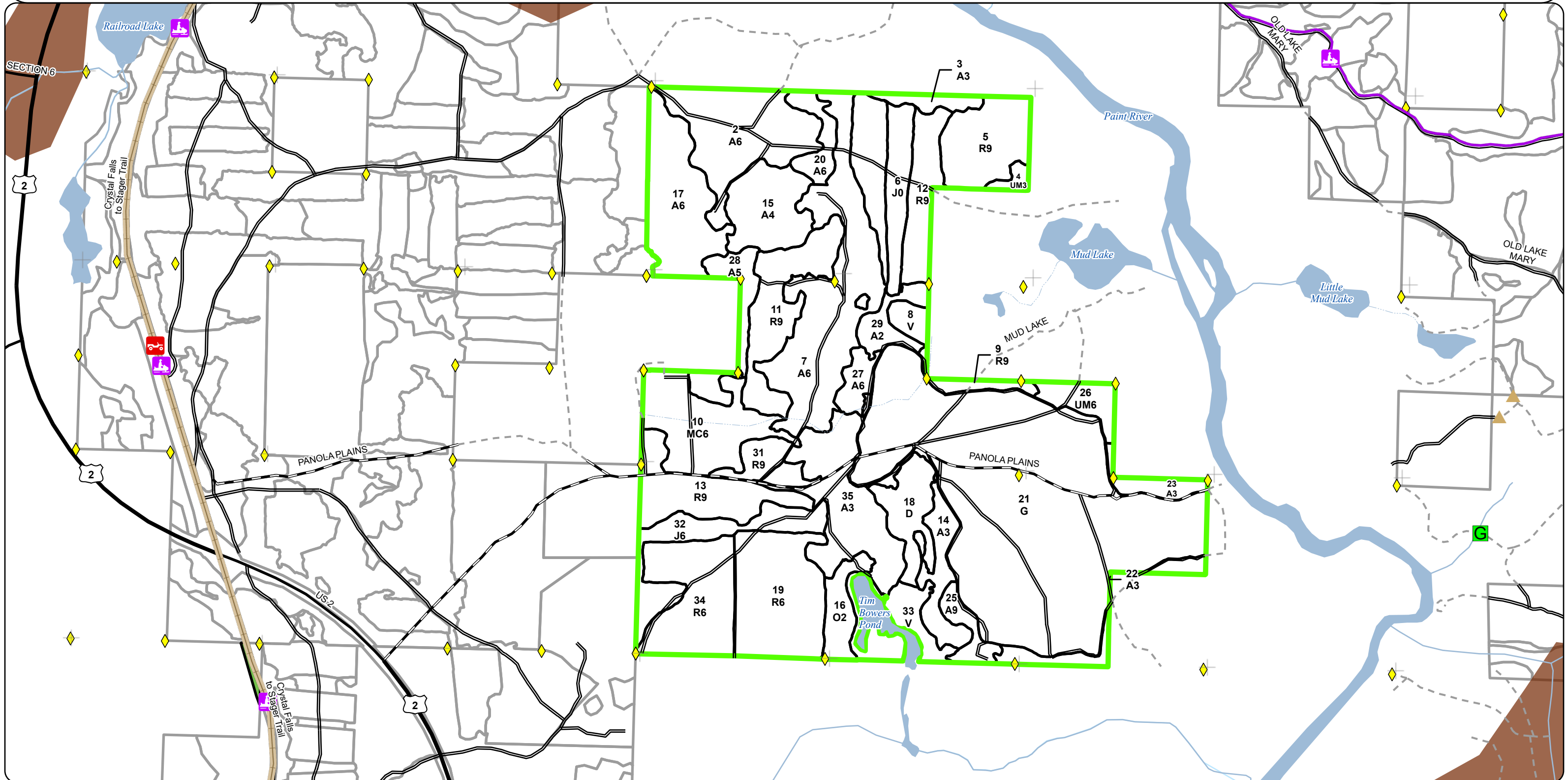


0 0.5 1 Miles

- Remunumented Section Corners
- Survey Grade Corners
- Berms
- Gate
- Designated ORV Routes
- Designated Snowmobile Trails
- DNR - Primary Forest Road

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- Intermittent Stream
- Perennial River
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- Counties

- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- Deer Winter Range
- Trail - Trail Corridor



## 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	46	30	34	165	62	0	0	0	0	0	0	0	0	0	0	0	0	337
Bog	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Herbaceous Openland	241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	241
Jack Pine	18	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	44
Oak	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Planted Mixed Pines	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	41
Red Pine	0	0	0	0	0	0	0	244	9	0	0	0	0	0	0	0	0	0	252
Treed Bog	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Mixed Forest	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
<b>Total</b>	<b>305</b>	<b>59</b>	<b>30</b>	<b>48</b>	<b>165</b>	<b>62</b>	<b>27</b>	<b>244</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>988</b>



## Report 2 – Treatment Summary

Crystal Falls Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 157  
Total Compartment Acres: 990

Commercial Harvest - 188  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	22	0	0	0	0	0	0	0	0	22
Jack Pine	27	0	0	0	0	0	0	0	0	27
Red Pine	0	8	0	0	0	132	0	0	0	140
Total	49	8	0	0	0	132	0	0	0	189

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	189	0	29	0	241	0	18	0	0	477
Next Step	0	0	0	0	0	0	241	0	0	241
Total	189	0	29	0	241	0	259	0	0	718



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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**Proposed Treatments:**

<b>34</b>	<b>12157034-Thin</b>	41.6	42110 - Planted Red Pine	6	64	141-170	Harvest	Thinning	4122 - Oak, Pine	Cutting Record	No
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Prescription Thin to 110 - 120 BA. Harvest merchantable jack pine. Retain associated white pine or oak.

Specs:

Next Step

Treatments:

Acceptable Any combination of pine and pin oak.

Regen:

Other Move stand towards more natural mixed pine, recruiting other tree species.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

<b>32</b>	<b>12157032-Cut</b>	26.5	42220 - Natural Jack Pine	6	56	Unspecified	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
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Prescription cut jack pine 4.6" dbh and larger. do not cut oak, red pine, or white pine. delay harvest to cut with adjacent stand 75 in compartment 12158

Specs:

Next Step

Treatments:

Acceptable jack pine

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2032

<b>31</b>	<b>12157031-Selection</b>	7.9	42110 - Planted Red Pine	9	75	81-110	Harvest	Selection	4122 - Oak, Pine	Cutting Record	No
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Prescription Thin to 70 BA. Focus leave trees on larger, dominate red pine. Do not cut white pine or oak. Protect pine and oak advanced regeneration.

Specs:

Next Step

Treatments:

Acceptable Any combination of oak, white pine, red pine, jack pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026





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

21 12157021-Burn 241.3 310 - Herbaceous Openland 99 Burn Prescribed Burn 310 - Herbaceous Openland Previous Inventory No

Prescription Rx burn and/or mechanical opening maintenance

Specs:

Next Step Monitoring, Habitat Monitoring

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 04/01/2025

19 12157019-Crown Thinning 48.9 42110 - Planted Red Pine 6 64 141-170 Harvest Thinning 4122 - Oak, Pine Cutting Record No

Prescription Thin to 110-120 BA. Do not cut associated white pine or oak. Protect any oak and spruce/fir.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Move stand towards more natural mixed pine, recruiting other tree species.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

17 12157017-CC 2.1 4130 - Aspen 6 45 Unspecified Harvest Clearcut 4121 - Oak, Aspen Planting Record No

Prescription Harvest aspen 4.6" dbh and larger. Retain all other tree species.

Specs:

Next Step

Treatments:

Acceptable

Any combination of aspen, oak and pine is acceptable.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12	12157012-Crown Thinning	41.4	42110 - Planted Red Pine	9	66	141-170	Harvest	Thinning	4122 - Oak, Pine	Planting Record	No
<u>Prescription</u> Thin to 110-120 BA. do not cut associated white pine or oak. Protect all oak and spruce/fir saplings. protect/buffer any vernal areas. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A mixture of red pine, white pine, jack pine and oak is acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
2	12157002-Plant	28.9	4130 - Aspen	6	38	51-80	Planting	Planting (tree species)	4133 - Aspen, Mixed Pine	Cutting Record	No
<u>Prescription</u> Under plant white pine at a reduced rate as available with summer wildlife students and forestry students. Possibly 1200-3000 total over 10 years. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> aspen, white pine, oak <u>Regen:</u> <u>Other</u> The stand is perfect candidate for underplanting - wide open aspen with little to no understory would allow enough sunlight for pine growth and <u>Comment:</u> enough canopy to minimize white pine weevil. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
2	12157002-CC	20.3	4130 - Aspen	6	38	51-80	Harvest	Clearcut	4121 - Oak, Aspen	Planting Record	No
<u>Prescription</u> Harvest all aspen 4.6" dbh and larger. Retain all other tree species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of aspen, oak and pine is acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

**Approved Treatments:**

6	12157006-Monitor	17.6	4222 - Natural Jack Pine	0	4		Monitoring	Monitoring - Regeneration	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Jack pine. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u>											



Standard

Treatment  
Name

Acres

Stand  
CoverTypeSize  
DensityStand  
AgeBA  
RangeTreatment  
TypeTreatment  
MethodCover Type  
ObjectiveAge  
StructureHabitat  
CutProposed Start Date: 10/10/2022

Total Treatment  
Acreage Proposed: 0





Availability for Management

Total Acres    Acres Available    Acres With Condition    Acres Not Available

Dominant Site Conditions

5E

333	319	0	14	Aspen	14
26	26	0	0	Bog	
241	241	0	0	Herbaceous Openland	
44	44	0	0	Jack Pine	
13	13	0	0	Oak	
41	41	0	0	Planted Mixed Pines	
252	253	0	0	Red Pine	
20	20	0	0	Treed Bog	
14	14	0	0	Upland Mixed Forest	
985	970		14	Total Forested Acres	14
	98%		1%	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:								
3	Unavailable		5E: Long-Term Retention	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
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Comments
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
2	4130 - Aspen	Poletimber Well	49.2	38	51-80	N/A	about a pure aspen stand. widely scattered pin oak and w pine. little to no understory - wide open. pockets of larger diameter aspen scattered 7-11" dbh																																					
<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>Seedling</td><td>7</td><td>38</td></tr><tr><td>Northern Pin Oak</td><td>5</td><td></td><td>11</td><td></td></tr><tr><td>Jack Pine</td><td>5</td><td></td><td>10</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	90	Seedling	7	38	Northern Pin Oak	5		11		Jack Pine	5		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Spruce</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Hazelnut (American)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet	Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet	White Spruce	Low	10 - 20 feet	10 - 20 feet	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet
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3	4130 - Aspen	Sapling Well	6.4	25	Immature	N/A	very scattered aspen 4" dbh																																					
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4	4311 - Pine, Aspen Mix	Sapling Well	3.1	28	Immature	N/A	good mix of aspen and j pine regen. small, semi open areas throughout the stand. scattered r pine seedlings/saplings																																					
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6	4222 - Natural Jack Pine	Unspecified	17.7	4			S end of stand has much higher stocking of above species. mid and north of stand has only occasional aspen clones. stand is mainly semi open to open upland shrub at this time																																					
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Pine</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height		Size	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	Northern Pin Oak	Low	10 - 20 feet	10 - 20 feet	Red Pine	Low	10 - 20 feet	10 - 20 feet																								
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7	4130 - Aspen	Sapling Well	77.2	36		N/A	aspen 3-7" dbh. very scattered pin oak poletimber. scattered pin oak seedlings/saplings																																					
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8	6225 - Bog	Unspecified	6.3			No																																						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
9	42110 - Planted Red Pine	Sawtimber Well	5.9	67	81-110	N/A	good red pine saplings 3-20 feet tall throughout. good pin oak saplings 3-20 feet tall. East end is heavier to red pine. Jack pine mainly along field edge and transitions into the purer red pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		20		10	55	Northern Pin Oak		High	5 - 10 feet	5 - 10 feet
Red Pine		80		14	67	Red Pine		Medium	< 5 feet	< 5 feet
						Cherry (spp.)		Medium	5 - 10 feet	5 - 10 feet
10	42140 - Planted Mixed Pine	Poletimber Well	40.7	75	81-110	N/A	good mix of j pine saplings in understory with small diameter j pine poletimber 4-5" dbh. small pockets of aspen 3-5" dbh in east end. scattered r pine seedlings			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		45	Sapling	5		Red Pine		Low	< 5 feet	< 5 feet
Red Pine		55		10	75	Quaking Aspen		Low	>20 feet	>20 feet
						Jack Pine	High	>20 feet	>20 feet	
11	42110 - Planted Red Pine	Poletimber Well	40.4	64	111-140	N/A	pin oak seedling/saplings throughout stand, noticeably more heavily stocked nearer to edges			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100		11	64	Northern Pin Oak		Low	5 - 10 feet	5 - 10 feet
						Red Pine	Low	< 5 feet	< 5 feet	
12	42110 - Planted Red Pine	Poletimber Well	41.5	66	141-170	N/A	r pine 6-14" dbh. scattered pin oak and occasional w spruce			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern Pin Oak		5		10		White Spruce		Low	5 - 10 feet	5 - 10 feet
Red Pine		95		12	66					
13	42110 - Planted Red Pine	Sawtimber Well	35.5	64	111-140	N/A	j pine saplings established in canopy gaps. fairly moderate pin oak seedlings in east end			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100		12	64	Northern Pin Oak		Low	5 - 10 feet	5 - 10 feet
						Hazelnut (American)		Low	5 - 10 feet	5 - 10 feet
						Jack Pine	Medium	10 - 20 feet	10 - 20 feet	
14	4131 - Aspen, Oak	Sapling Well	19.5	27	Unspecified	N/A	low quality aspen with scattered red pine. jack pine is in small pockets 6-14" dbh.semi open inclusions. A4A5A3			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		10	Seedling	9		Cherry (spp.)		Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		65	Log	3	27	Hazelnut (American)		Medium	5 - 10 feet	5 - 10 feet
Northern Pin Oak		20	Log	1						
Red Pine		5		18						
15	4130 - Aspen	Poletimber Well	28.3	36	Unspecified	N/A	very low quality aspen - much of stand is semi open. scattered r pine pine seedling/saplings 3-10" tall.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		95	Sapling	5	36	White Pine		Low	10 - 20 feet	10 - 20 feet
White Spruce		5	Sapling	5		Hazelnut (American)		Medium	5 - 10 feet	5 - 10 feet
						Northern Pin Oak		Low	5 - 10 feet	5 - 10 feet
						Red Pine	Low	5 - 10 feet	5 - 10 feet	



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
34	42110 - Planted Red Pine	Sawtimber Well	41.6	64	141-170	N/A	small 50-60 year old j pine inclusion in south center of stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		95		9	64	Jack Pine	Low	5 - 10 feet	5 - 10 feet
Jack Pine		5	Seedling	9	55				
35	4130 - Aspen	Sapling Well	46.3	6	Immature	N/A	small inclusions of j pine seedlings in more open areas		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak		5	Seedling	7		Northern Pin Oak	Medium	< 5 feet	< 5 feet
Quaking Aspen		95	Log	1	6	Hazelnut (American)	Medium	5 - 10 feet	5 - 10 feet