



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12173

Entry Year: 2027

Acreage: 1,963

County: Iron

Management Area: Brule River

Stand Examiner: Eric Brolin

Legal Description:

T41N R32W sections 2-4, 8-12, 14,15 & 17

Identified Planning Goals:

Develop age class distribution in aspen type. Develop the quality while maintaining diversity in hardwood types. Maintain health of conifer types and increase acreage where possible. Maintain and improve road system.

Soil and topography:

Soils are sandy loam to loamy sand, rolling hills to wet lowlands.

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

Private and corporate lands scattered throughout compartment. Highly used for recreation.

Unique Natural Features:

Brule River and Paint River Pond.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment is in the Peavy End Moraine Management Area which has the following featured species: American woodcock, black bear, wood duck, eastern bluebird, and white-tailed deer. This area is one of the most important oak areas in entire Crystal Falls Forest Area. This area provides excellent bear, deer and wood duck habitat due to the presence of mast producing oak trees. Maintaining and increasing this mast crop is the desired management. Balancing the age classes of aspen to provide early successional habitat through mature aspen forest is a goal in this compartment. Lowland conifers and lowland hardwood types provide winter and summer cover and are essential for travel corridors for a many species of wildlife and provide essential habitat for riparian species, such as wood duck. Deer find critical winter cover in the lowland conifer stands and natural pine stands. Mesic conifer in the uplands is promoted to provide structural diversity within stands which increases habitat value, as cover for wildlife. This also enables deer to access forage in the uplands during deep snow conditions. Mast production, such as oak, cherry and raspberry are encouraged to provide valuable forage for bear, deer, grouse and turkey.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Michigamme and Dunn Creek Formations and the Badwater Greenstone subcrops below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines at Crystal Falls are located seven miles to the north. This Compartment was not previously leased for metallic exploration, but could have potential. A gravel pit is located in Section 9 and there is potential. There is no economic oil and gas production in the UP.

Vehicle Access:

Very good throughout most of compartment. Some two tracks accessible by four wheel drive.

Survey Needs:

Recreational Facilities and Opportunities:

Hunting and fishing. Snowmobile trail UP2 runs through the west side of compartment.

Fire Protection:**Additional Compartment Information:**

This compartment has had the presence of oak wilt confirmed and has had these areas treated. If other areas of oak wilt are detected, they will be treated.

The following reports from the Inventory are attached:

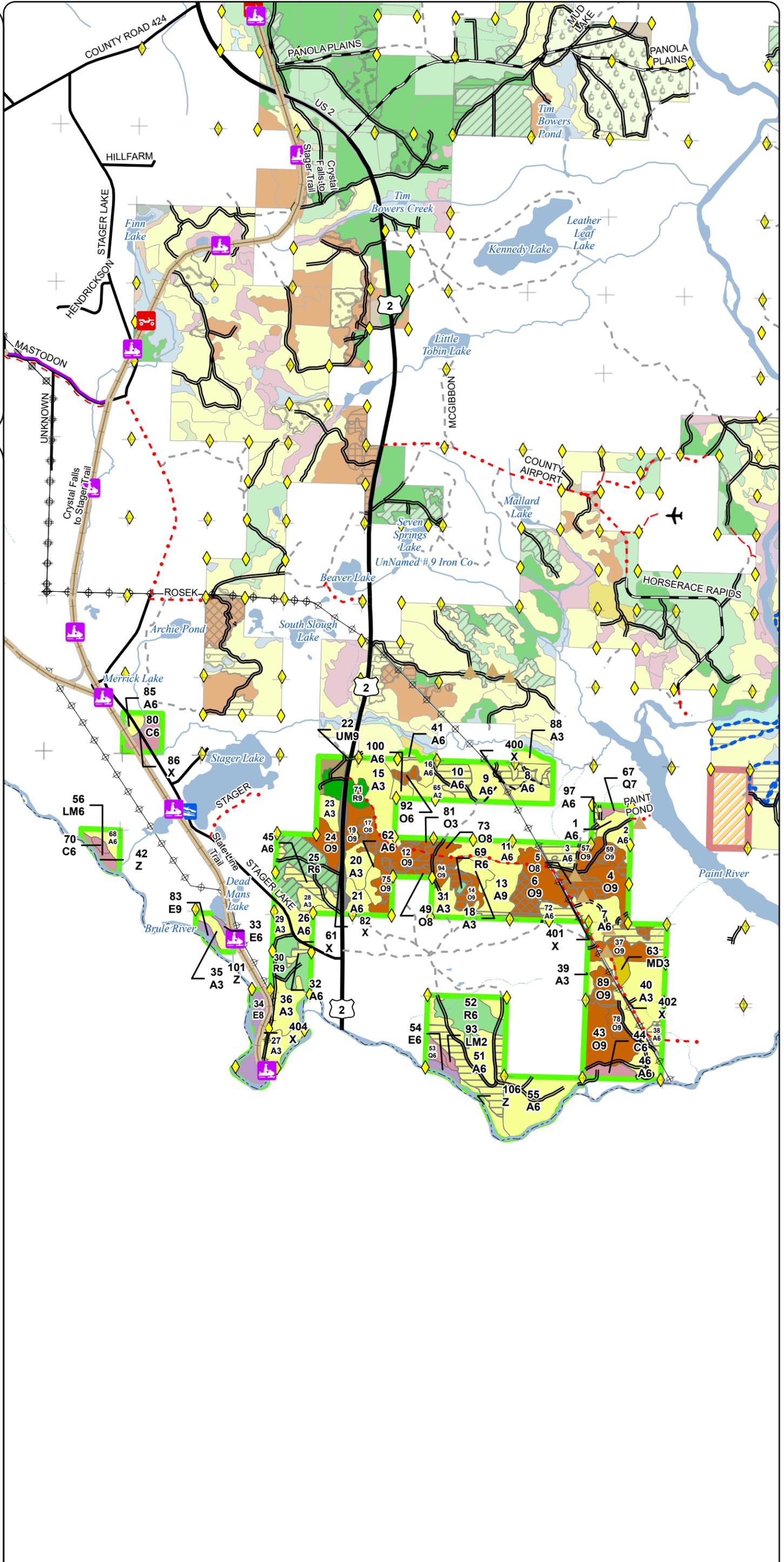
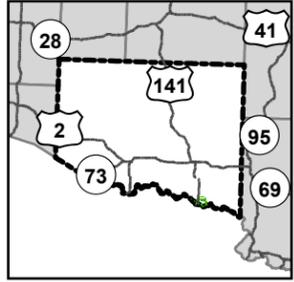
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

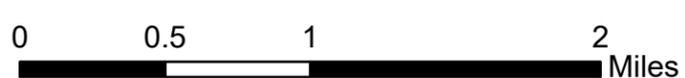
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

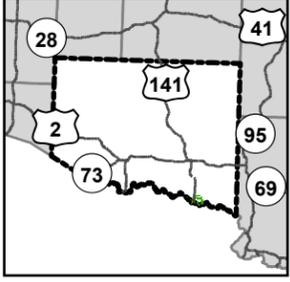


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ✈ Airport
- ▲ Berms
- 🚤 Boating Access Site
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- - - Counties
- Compartment Boundary
- 🔵 Treatments with Site Conditions
- ▭ Clearcut
- ▨ Selection
- ▩ Seed Tree
- ▧ Shelterwood
- ▦ Thinning
- ▥ Clearcut
- ▤ Selection
- ▣ Seed Tree
- ▢ Thinning
- Site Prep
- Prescribed Burn
- ▧ Monitoring - Regeneration
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot

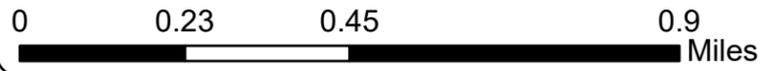
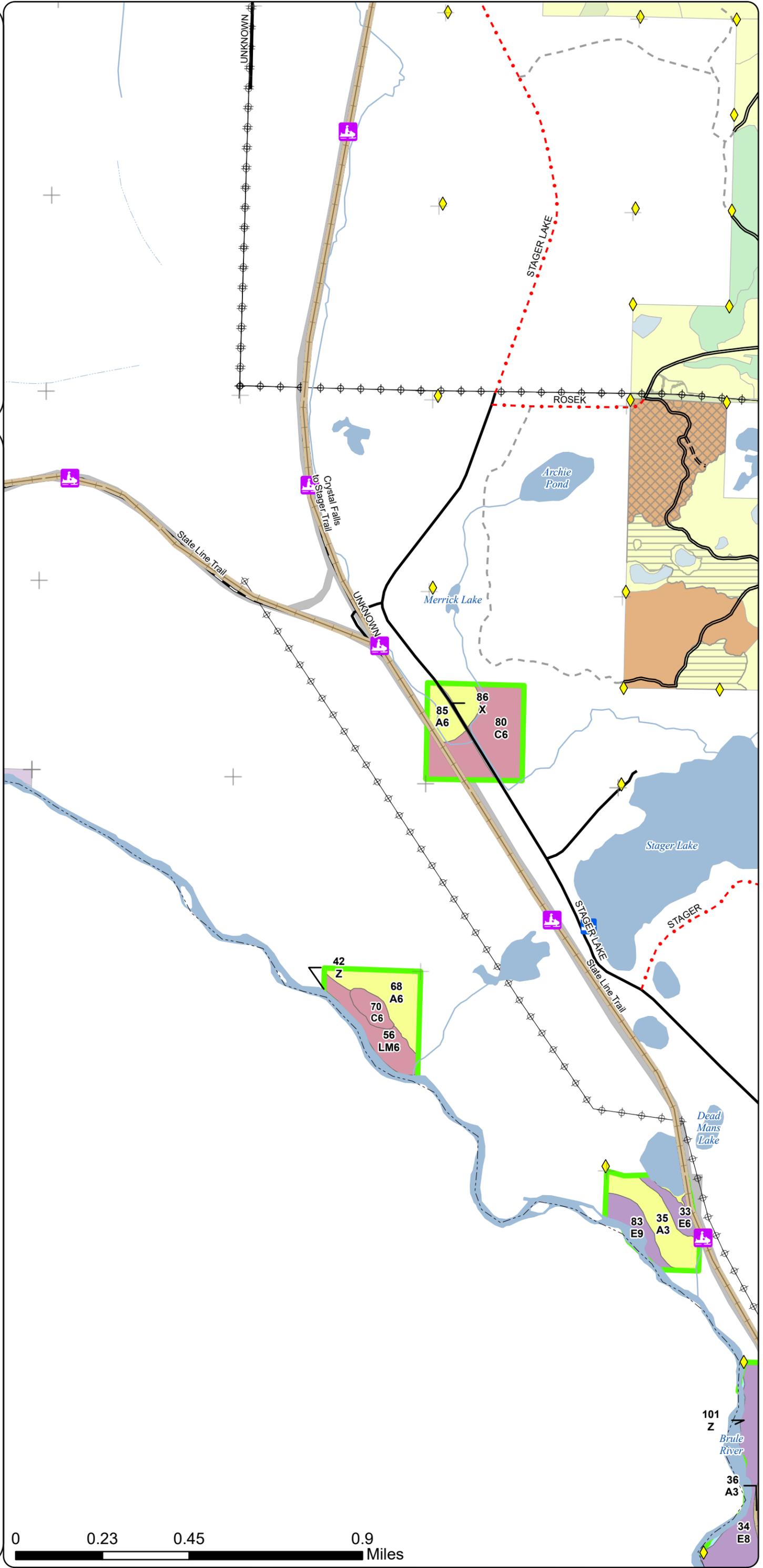


Cover Type & Treatments Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

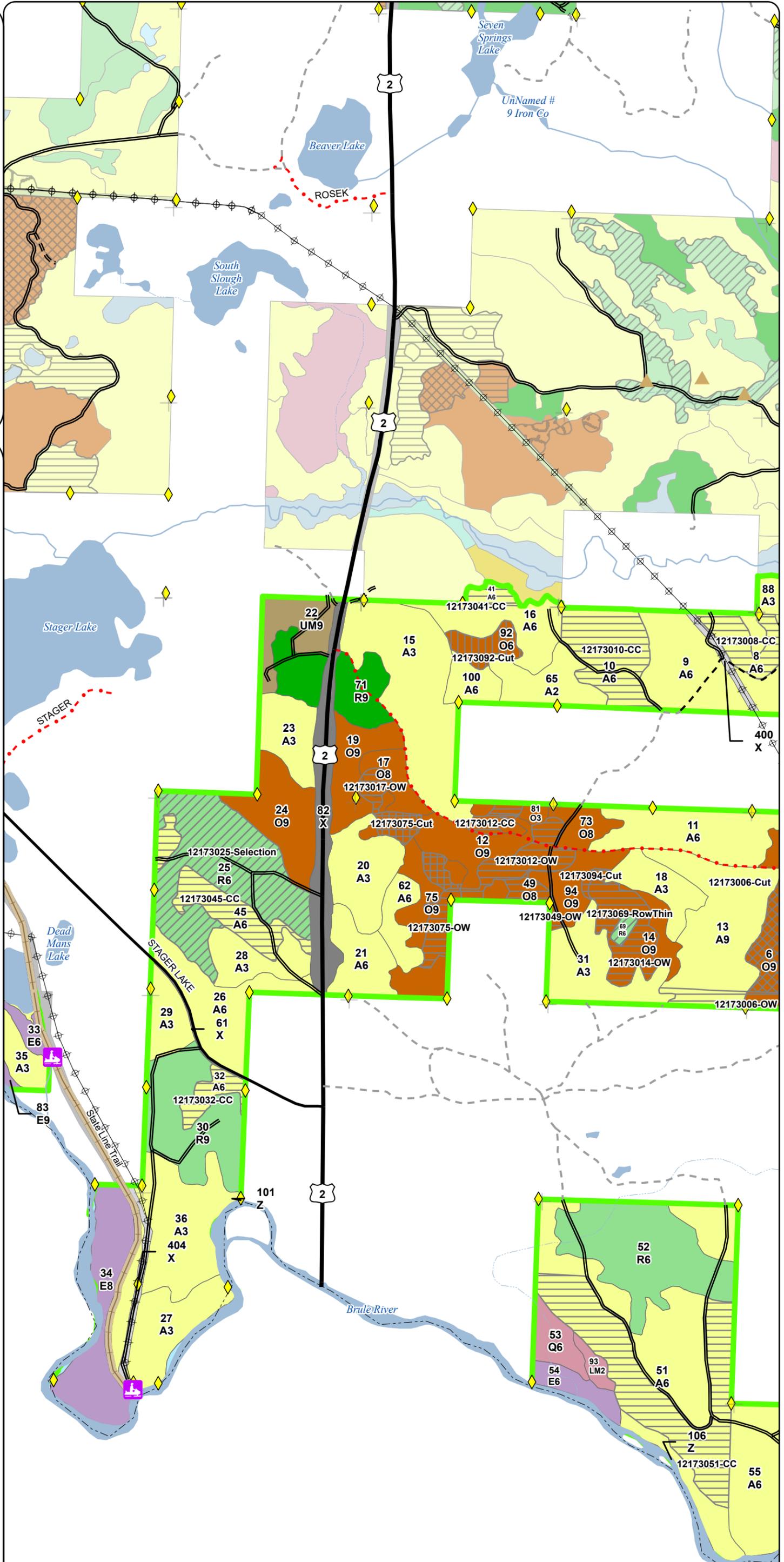
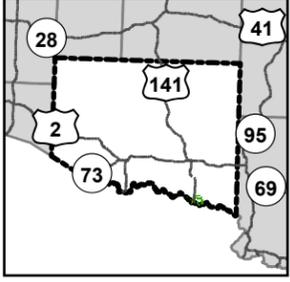


- ✚ Remonumented Section Corners
- ◆ Survey Grade Corners
- 🚤 Boating Access Site
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- 🌊 Lakes and Rivers
- ▭ Counties
- ▭ Compartment Boundary
- ▭ Clearcut
- ▭ Selection
- ▭ Monitoring - Regeneration
- 413 - Aspen
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban



Cover Type & Treatments Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

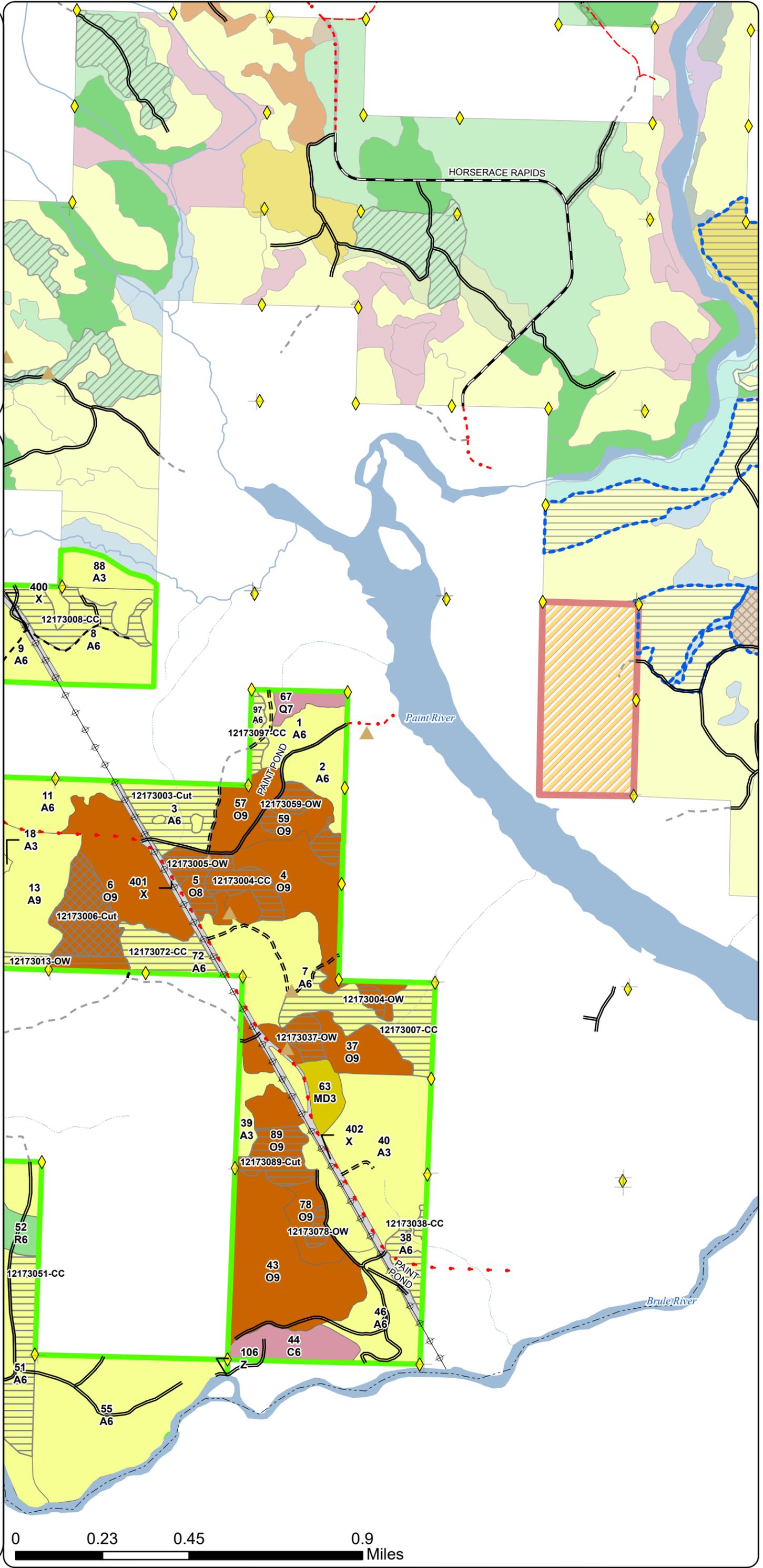
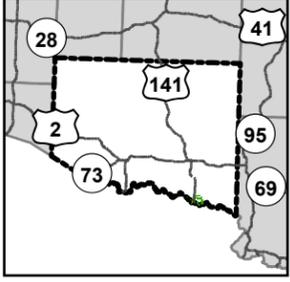


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ▲ Berms
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- - - Counties
- Compartment Boundary
- Clearcut
- ▨ Selection
- ▨ Seed Tree
- ▨ Shelterwood
- ▨ Thinning
- ▨ Clearcut
- ▨ Selection
- ▨ Thinning
- ▨ Monitoring - Regeneration
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot

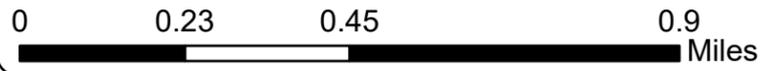


Cover Type & Treatments Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

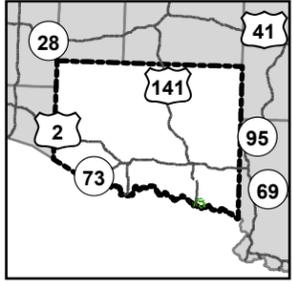


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ▲ Berms
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- ▭ Clearcut
- ▨ Selection
- ▩ Clearcut
- ▧ Selection
- ▦ Thinning
- ▤ Site Prep
- ▣ Openings Mgmt.
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 500 - Water
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban

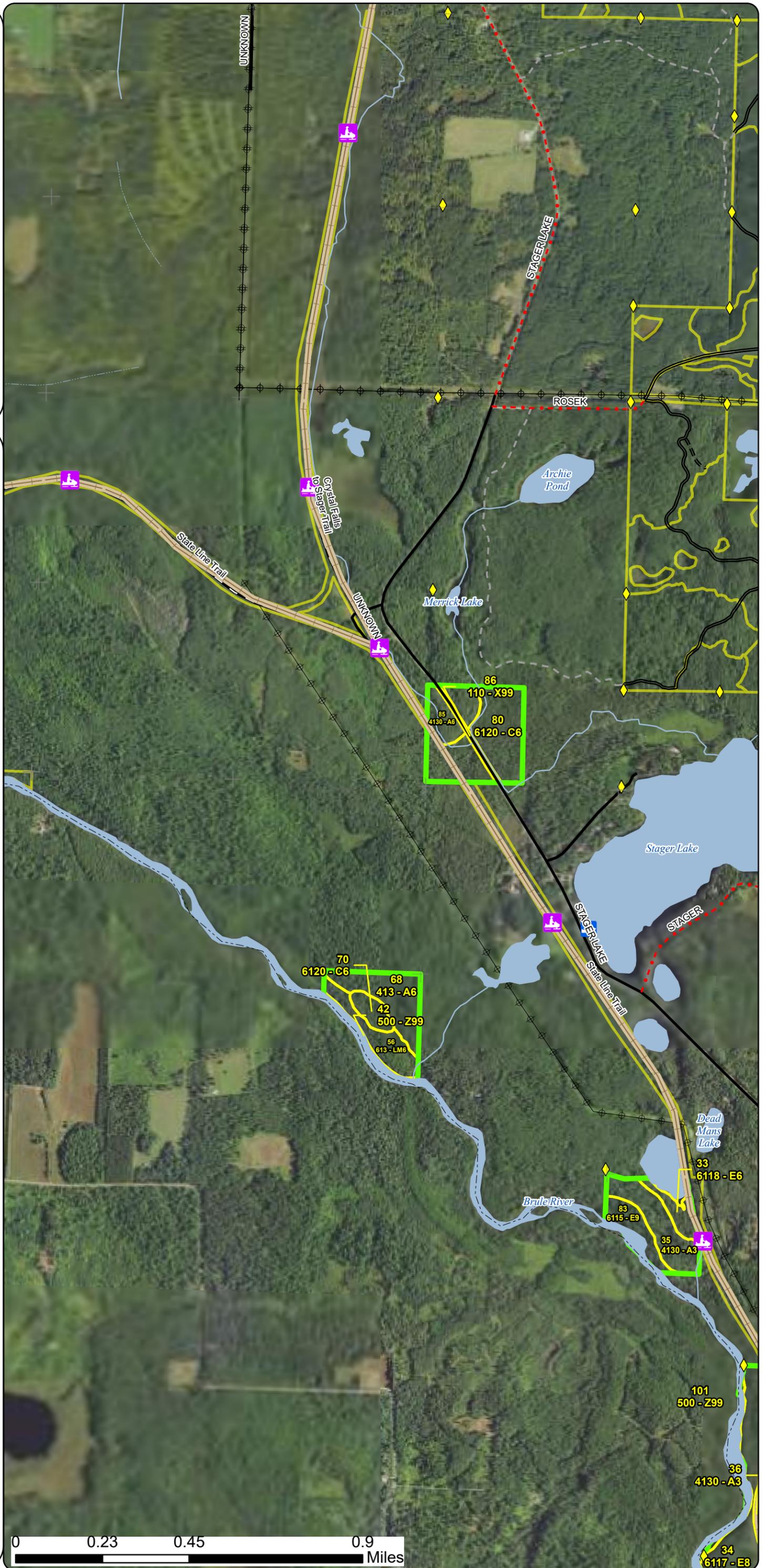


Stand Boundary Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

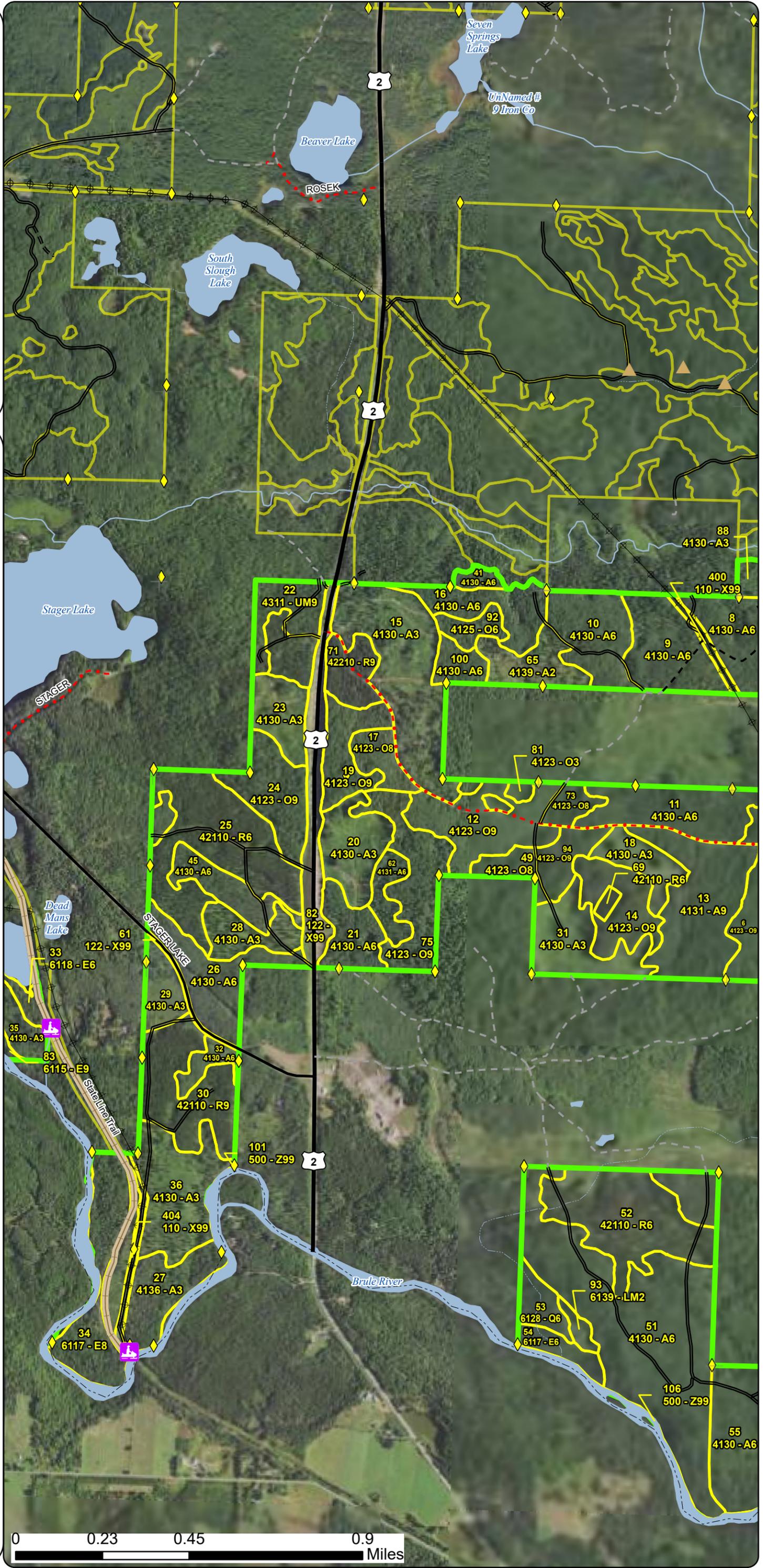
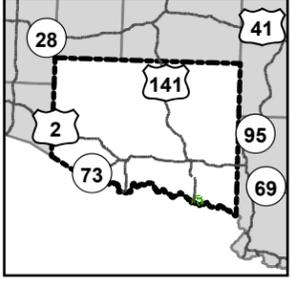


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- 🚤 Boating Access Site
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- Intermittent Stream
- Perennial River
- 🌊 Lakes and Rivers
- ▭ Counties
- ▭ Compartment Boundary
- ▭ Stand Outline
- 413 - Aspen
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban

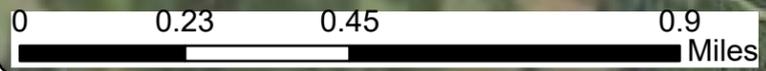


Stand Boundary Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

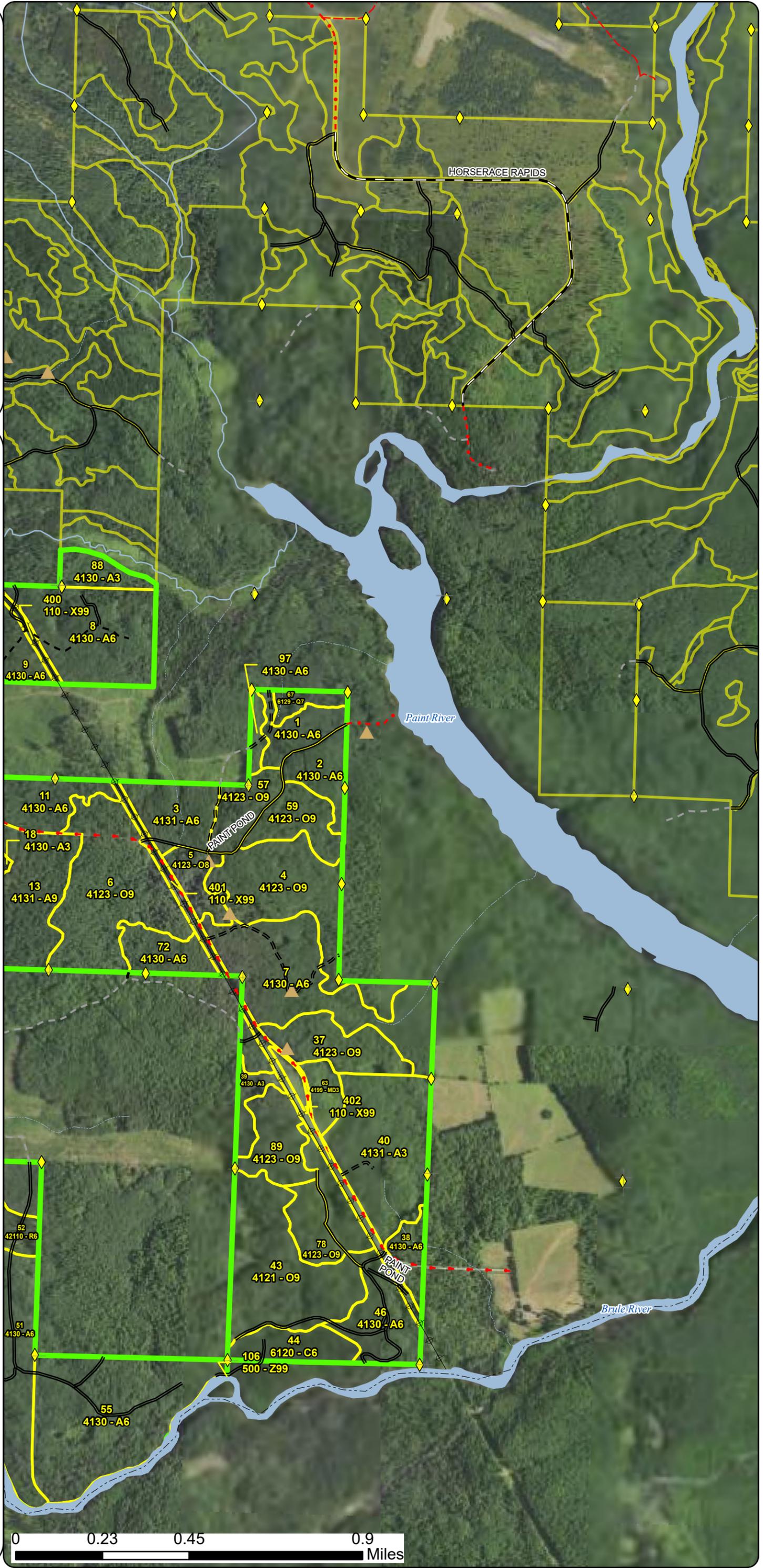
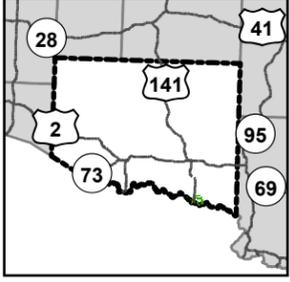


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ▲ Berms
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- === DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- - - Counties
- Compartment Boundary
- Stand Outline
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot



Stand Boundary Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

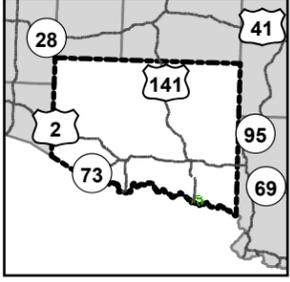


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ▲ Berms
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Outline
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 500 - Water
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban

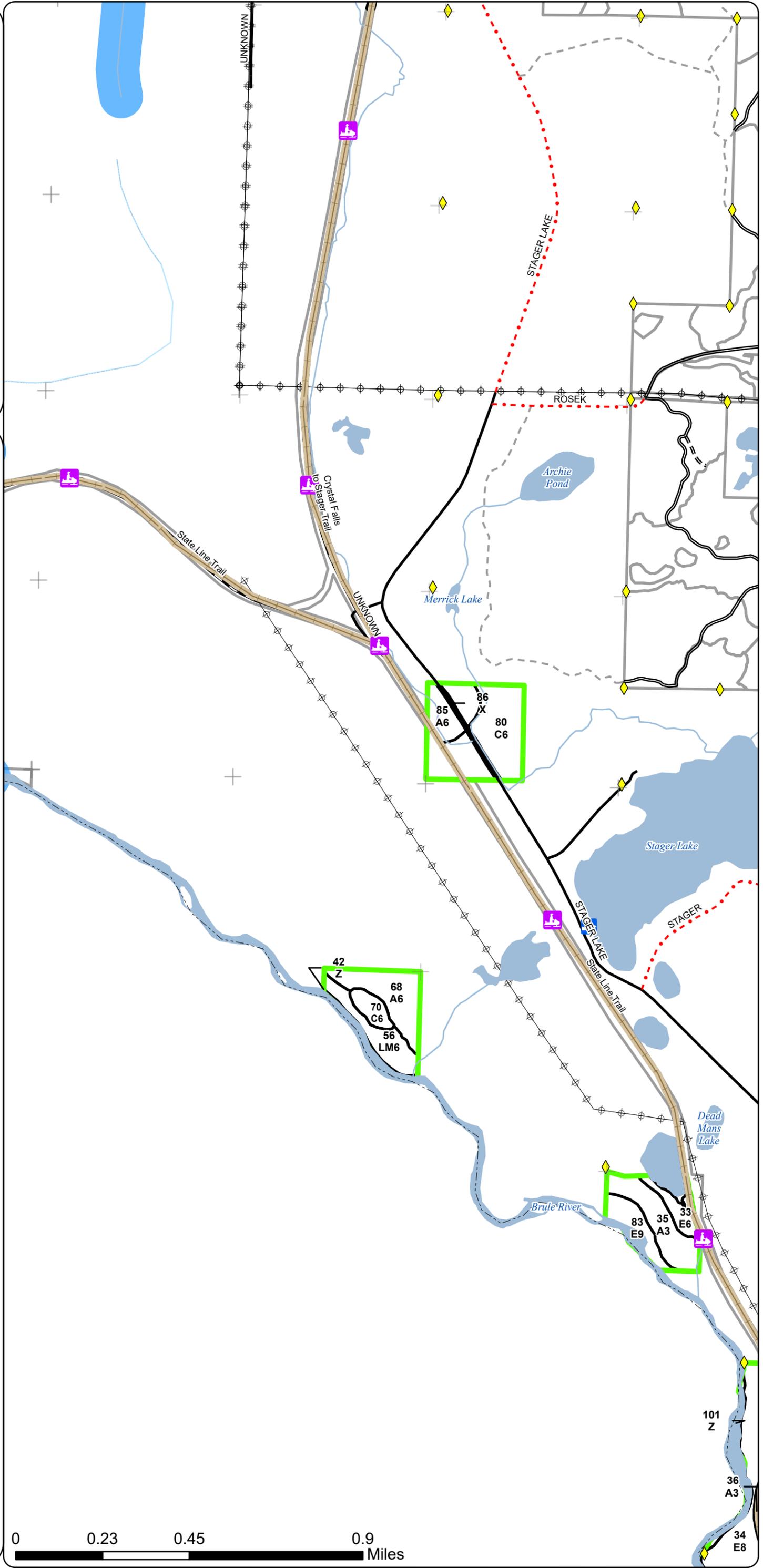


Special Conservation Areas & Site Conditions Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post

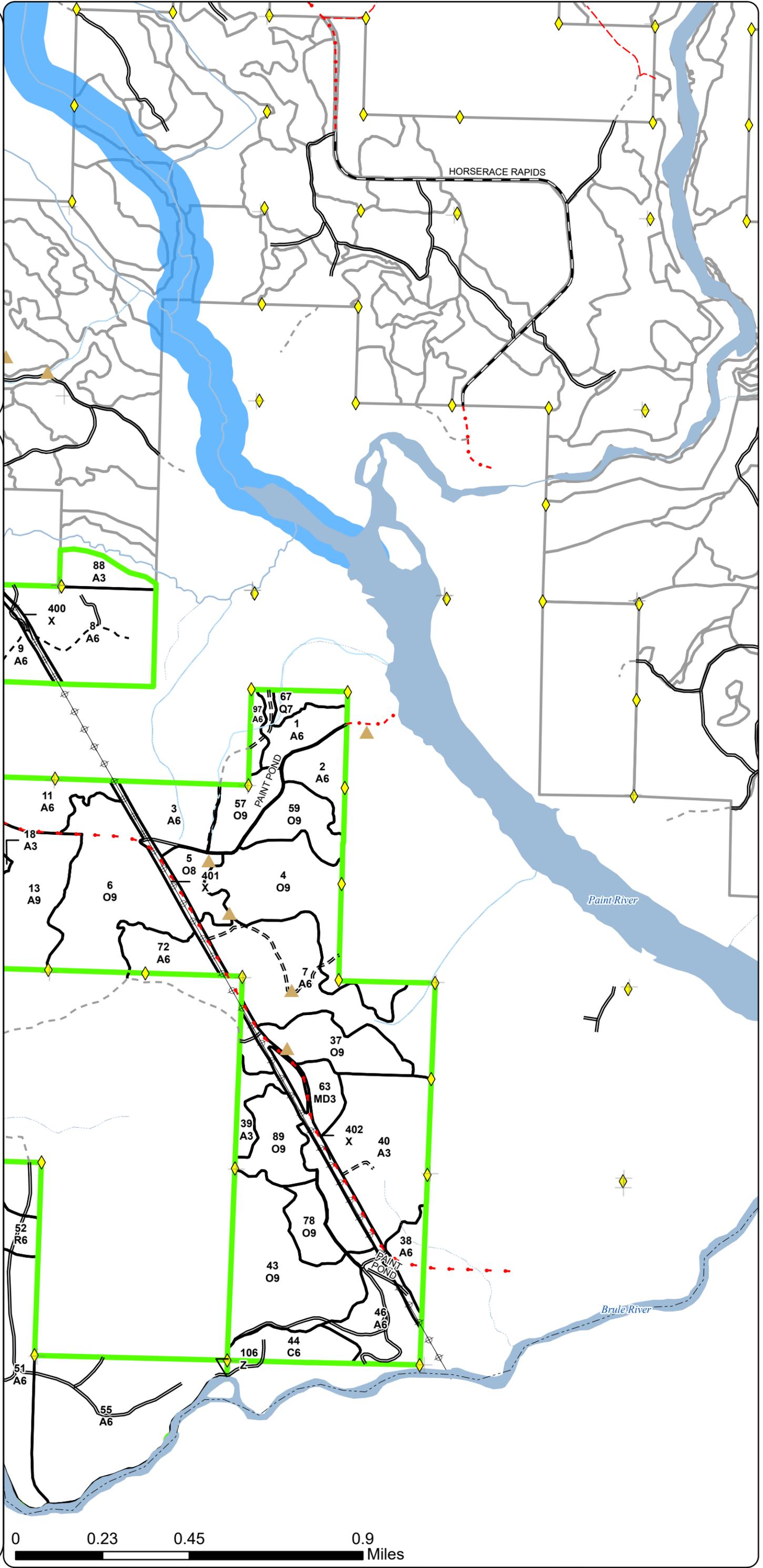
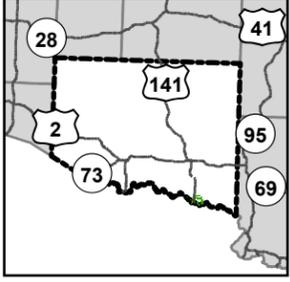


- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- 🚤 Boating Access Site
- == Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- 🌊 Lakes and Rivers
- ⊔ Counties
- 🟩 Compartment Boundary
- ⊔ Stand Boundaries
- ⊔ SCA
- Cold Water Streams
- 🟦 High Priority Trout Stream Buffer
- 🟩 Trail - Trail Corridor

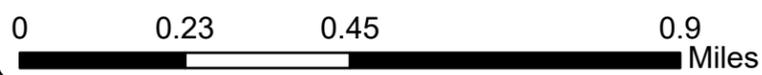


Special Conservation Areas & Site Conditions Map

Compartment: 12173
 T41N, R32W sec, 2-6, 8-12, 15-17
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Brule River
 YOE: 2027
 Acres: 1,963.15 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 06/18/2025
 Map Phase: Web Post



- ⊕ Remonumented Section Corners
- ◆ Survey Grade Corners
- ▲ Berms
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⊕ ⊕ Powerline
- ⋯ Intermittent Stream
- Perennial River
- Lakes and Rivers
- - - Counties
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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	246	107	104	175	422	10	15	0	0	0	0	0	0	0	0	0	0	1079
Cedar	0	0	0	0	0	0	0	0	0	4	17	28	0	0	0	0	0	0	49
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	16
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	23	34	0	0	0	0	0	0	57
Lowland Mixed Forest	0	4	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Oak	0	0	5	0	0	0	0	0	0	0	461	0	0	0	0	0	0	0	466
Red Pine	0	0	0	0	0	2	0	149	0	0	25	0	0	0	0	0	0	0	175
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	17	1	0	0	0	0	0	0	17
Urban	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Water	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Total	82	250	121	104	175	424	10	164	0	14	559	63	0	0	0	0	0	0	1964



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2027

Compartment 173
Total Compartment Acres: 1,963

Acres of Harvest

Commercial Harvest - 426
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	219	0	0	0	0	0	0	0	0	219
Oak	109	21	0	8	8	0	0	0	0	144
Red Pine	0	0	0	0	0	61	0	0	0	61
Total	328	21	0	8	8	61	0	0	0	424

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	424	0	0	0	0	0	0	0	0	424
Next Step	0	0	0	0	0	0	2	0	0	2
Total	424	0	0	0	0	0	2	0	0	426



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
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

Proposed Treatments:

12	12173012-CC	2.5	4123 - Red Oak	9	99	171-200	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> See site conditions for small long term retention area. The west 2/3 of the stand will be retained containing healthy mature oak. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
3	12173003-Cut	21.3	4131 - Aspen, Oak	6	46	111-140	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable deciduous trees. Leave all conifers. Exclude patches interior for long term retention containing mature oak. This will retain mature mast producing oak while creating a vigorous diverse mix of young regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> Patches identified interior are surrounded by dense aspen stocking. A couple of ravines may need to be excluded along the north edge, this will add to long term stand retention. Include all applicable oak wilt specs for timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031</p>											
17	12173017-OW	3.8	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixed 50% red/50% white pine with white oak mix option if available during or after initial planting. <u>Regen:</u> <u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
17	12173014-OW	16.9	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixed 50% red/50% white pine with white oak mix option if available during or after initial planting. <u>Regen:</u> <u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											



S
t
a
n
d

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
17	12173012-OW	14.6	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest to a 2" spec to prep site for mixed pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixed pine with white oak mix option if available during or after initial planting. <u>Regen:</u> <u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
17	12173005-OW	8.4	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixed pine with white oak mix option if available during or after initial planting. <u>Regen:</u> <u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
17	12173049-OW	5.0	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixed 50% red pine/50% white with white oak mix option if available during or after initial planting. <u>Regen:</u> <u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
13	12173013-OW	5.3	4131 - Aspen, Oak	9	34	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for red pine planting. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Red pine <u>Regen:</u> <u>Other</u> No retention due to forest health concerns. Include all applicable oak wilt specs for timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											



S
t
a
n
d

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
17	12173059-OW	9.3	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed 50% red pine/50% white with white oak mix option if available during or after initial planting.</p> <p><u>Regen:</u></p> <p><u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and</p> <p><u>Comment:</u> source is available.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
10	12173010-CC	27.8	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2031</p>											
8	12173008-CC	18.7	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except red pine, white pine and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Slope / BMP exclusions are estimates based off of field observations. These areas could change if determined during timber sale prep. Include</p> <p><u>Comment:</u> all applicable oak wilt specs for timber sale.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2031</p>											
7	12173007-CC	28.5	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											



S
t
a
n
d

Treatment ID	Treatment Name	Acres	Stand Cover Type	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
6	12173006-OW	5.4	4123 - Red Oak	9	99	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for red pine planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> No retention due to forest health concerns. Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
6	12173006-Cut	20.5	4123 - Red Oak	9	99	111-140	Harvest	Selection	4121 - Oak, Aspen	Cutting Record	No
<p><u>Prescription</u> Mark red oak to approximately 80 BA average across the stand. Focus on removing suppressed and/or weakened trees while creating more canopy light to release advanced regeneration. Improve quality and mark to retain healthier, stout branched trees that will be more resistant to future damage. Create approximately five, 1/2 acres gaps (1 per 10 acres) to plant with white oak and white pine to increase diversity and more resilience to future forest health concerns. No other species should be marked unless needed for operability. Leave all conifers.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species, including aspen and maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Exclude areas where advanced regeneration is more dense due to lighter canopy stocking. Treatment has been updated to reflect some of these areas but may change if determined during timber sale prep. Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
4	12173004-CC	10.3	4123 - Red Oak	9	99	171-200	Harvest	Clearcut	4121 - Oak, Aspen	Cutting Record	No
<p><u>Prescription</u> Harvest all merchantable deciduous trees. Leave all conifers. Exclude patch along the south containing mature oak for long term retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
17	12173004-OW	2.3	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for white pine planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> White pine with white oak mix option if available during or after initial planting.</p> <p><u>Regen:</u></p> <p><u>Other</u> Plant white pine. Plant white oak within, possibly in open patches, when funding and source is available.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

45	12173045-CC	19.9	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
----	-------------	------	--------------	---	----	---------	---------	----------	-------------	-----------------	----

Prescription Harvest all merchantable trees except red pine, white pine and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species.

Next Step
Treatments:

Acceptable Any combination of the current overstory species.
Regen:

Other Recommend sale prep during leaf off. Include all applicable oak wilt specs for timber sale.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

94	12173094-Cut	1.5	4123 - Red Oak	9	99	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
----	--------------	-----	----------------	---	----	---------	---------	----------	-------------------------------------	-----------------	----

Prescription Harvest all merchantable trees except conifers.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the current overstory species.
Regen:

Other Create a natural buffer of young mixed regeneration, heavy to aspen, to slow and/or stop spread of adjacent underground oak wilt infection. No interior retention will be left. Include all applicable oak wilt specs.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

92	12173092-Cut	7.7	4125 - Black, N. Pin Oak	6	99	111-140	Harvest	Shelterwood	4319 - Mixed Upland Forest	Cutting Record	No
----	--------------	-----	--------------------------	---	----	---------	---------	-------------	----------------------------	----------------	----

Prescription Harvest all merchantable trees except pine species to promote oak and pine regeneration and release current desirable advanced regeneration.
Specs: Leave no interior oak or long term retention for regeneration and forest health concerns.

Next Step
Treatments:

Acceptable Any combination of the current overstory species.
Regen:

Other Use caution to not damage current saplings during timber sale operations. Include all applicable oak wilt specs for timber sale.
Comment:

Site Condition:

Proposed Start Date: 10/01/2025

89	12173089-Cut	13.5	4123 - Red Oak	9	99	141-170	Harvest	Clearcut	4121 - Oak, Aspen	Planting Record	No
----	--------------	------	----------------	---	----	---------	---------	----------	-------------------	-----------------	----

Prescription Harvest all merchantable trees except conifers. This treatment will include the south 1/2 to 2/3 of this stand where more aspen and mixed hardwood are present to create a more diverse mixed stand. The north portion dominated by oak will be retained.
Specs:

Next Step
Treatments:

Acceptable Any Combination of the current overstory species.
Regen:

Other Treatment layer is an estimate and may change. Include all applicable oak wilt specs for timber sale.
Comment:

Site Condition:

Proposed Start Date: 10/01/2025



S
t
a
n
d

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
75	12173075-Cut	7.5	4123 - Red Oak	9	99	111-140	Harvest	Seed Tree	4319 - Mixed Upland Forest	Cutting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers. Do not leave any interior oak trees or retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> No long-term retention due to interior and/or adjacent forest health concerns. Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
72	12173072-CC	15.4	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
17	12173037-OW	5.7	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed 50% red pine/50% white with white oak mix option if available during or after initial planting.</p> <p><u>Regen:</u></p> <p><u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
51	12173051-CC	57.9	4130 - Aspen	6	44	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Mark to leave one mature hardwood tree per acre while cruising if present where leave trees are not found.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the current overstory species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Exclusion along the Brule River is an estimate from steep slope top and may change if determined during timber sale prep but will still hold the</p> <p><u>Comment:</u> 100' river buffer. Include all applicable oak wilt specs for timber sale.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											



S
t
a
n
d

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
97	12173097-CC	4.8	4130 - Aspen	6	46	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> No long term retention due to small and narrow stand size. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031</p>											
41	12173041-CC	3.9	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> No long term retention due to small stand size. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
38	12173038-CC	8.4	4130 - Aspen	6	47	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> No long-term retention due to small size. Include all applicable oak wilt specs for timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025</p>											
32	12173032-CC	6.9	4130 - Aspen	6	48	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees except conifers and oak to promote aspen regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Any combination of the current overstory species. <u>Regen:</u> <u>Other</u> No retention due to small size. Include all applicable oak wilt specs for timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026</p>											



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
25 12173025-Selection	59.0	42110 - Planted Red Pine	6	62	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Mark stand to average 120 BA. Focus on improving quality and removing suppressed trees. Exclude more open areas that contain dense aspen saplings from past harvest. Leave all oak and white pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Some areas are not dense enough to be thinned at this time. Either exclude less dense areas if on an edge, avoid marking in, or lightly thin if needed. Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
17 12173078-OW	2.7	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed 50% red pine/50% white with white oak mix option if available during or after initial planting.</p> <p><u>Regen:</u></p> <p><u>Other</u> Plant white pine. Plant white oak within, possibly in open patches, when funding and source is available.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										
17 12173075-OW	6.8	4123 - Red Oak	8	99	111-140	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
<p><u>Prescription</u> Harvest all trees 2" DBH and larger to prep site for mixed pine planting. If available, exclude patches with pure aspen saplings to retain for diversity.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed 50% red pine/50% white with white oak mix option if available during or after initial planting.</p> <p><u>Regen:</u></p> <p><u>Other</u> Alternate tree boxes while planting to create a red pine / white pine mix. Plant white oak within, possibly in open patches, when funding and source is available.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										
69 12173069-RowThin	2.0	42110 - Planted Red Pine	6	42	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Mark red pine to harvest approximately 1/3 of the stand creating rows as needed for operability.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Rows may be narrow or non-existent. Mark rows for operability. Include all applicable oak wilt specs for timber sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>										



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Total Treatment
Acreage Proposed: 424.2



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5C	2F	2G	3J	3L	5E
736	658	0	78	Aspen		36	1	37		3
49	49	0	0	Cedar						
16	0	0	16	Lowland Conifers			16			
57	14	0	43	Lowland Deciduous			9	34		
14	14	0	0	Lowland Mixed Forest						
9	9	0	0	Mixed Upland Deciduous						
320	257	50	13	Oak	50				7	6
176	151	25	0	Red Pine	25					
17	1	17	0	Upland Mixed Forest	17					
62	62	0	0	Urban						
20	20	0	0	Water						
1,475	1,234	91	150	Total Forested Acres	91	36	26	71	7	9
	84%	6%	10%	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	2G: Too wet (sensitive soils, does not include access issues)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Flooded drainage with black ash and alder. Long term retention for Stand 38.							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention patch for Stand 12.							
3	Unavailable	2F: Too steep	13	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Long steep inoperable slopes and/or low, poorly drained ground at the bottom of the slopes.							

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Eric Brolin: Examiner

Compartment: 173
Year of Entry: 2027



4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow younger age class to grow larger.							
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 15. Patches seem healthy yet except the far north bubble which is riddled with dead oak.							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 40. Pockets contain patches of dead oak.							
7	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 23. Contains 3 mature oak pockets. All are healthy except for one dead oak tree in the NE bubble.							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 4. Contains dense advanced regen with some scattered mature oak.							
9	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	2G: Too wet (sensitive soils, does not include access issues)	5E: Long-Term Retention	Unspecified	Unspecified
Comments: 100' river buffer for Brule River, poorly drained ground, and long term retention for stand 36.							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: 100' river buffer and long term retention for Stand 27.							



11	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: Low drainage ravine with poorly drained ground. Long term retention for Stand 9.</p>							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	2F: Too steep	5E: Long-Term Retention	Unspecified	Unspecified
<p>Comments: Steep slope in areas along the Brule River and 100' river buffer. Long term retention for Stand 51.</p>							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Stand was thinned in 2020.</p>							
14	Unavailable	2F: Too steep	24	3J: Water quality/BMPs (stream, river, or lake)	5E: Long-Term Retention	Unspecified	Unspecified
<p>Comments: Estimated exclusion for 100' river buffer and inoperable slopes. Long term retention for Stand 55. This may change during future management but will hold at least a 100' river buffer.</p>							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Allow younger aspen age class to grow to a more merchantable size.</p>							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Consider harvest next YOE. Aspen will be more merchantable size.</p>							



17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Healthy oak on a high elevation hump. Part of long term retention for Stand 75.</p>							
18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Long term retention for Stand 3 containing mature oak and surrounded by dense aspen stocking.</p>							
19	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Long term retention for Stand 4. Patch that recently had all species thinned out except for oak.</p>							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Areas that will be excluded from thinning this YOE. Contains sparser oak canopy with better growing conditions for advanced regeneration.</p>							
21	Unavailable	3L: Other wildlife concerns	7	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Retain mature oak on the landscape for wildlife.</p>							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Hemlock slope left as long term retention and hemlock protection for Stand 59.</p>							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<p>Comments: Flooded ground with denser cedar across most areas.</p>							



27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<p>Comments: Flat floodplain with saturated ground and black ash bordering the Brule River.</p>							
28	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	34	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
<p>Comments: Mostly saturated floodplain flats with black ash and cedar along the Brule River. Steep, long slope along RR grade trail to the stand with no good access.</p>							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Very saturated ground with cedar and sparse, declining stocking of conifer and alder.</p>							
30	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: After a 300' trout stream buffer, there is approximately 1/2 acre in the center that can be managed.</p>							
32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Long term retention for Stand 40. Pockets contain patches of dead oak.</p>							

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	Poletimber Well	14.4	25	1-50	N/A	Dense aspen stand transitioning to pole sized trees with some mature oak speckled within. More bigtooth in the south half and quaking in the north half.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>63</td> <td>Sapling</td> <td>5</td> <td>25</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole</td> <td>4</td> <td>25</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	1		18		Red Oak	5		13	99	Paper Birch	1	Pole	3		Bigtooth Aspen	63	Sapling	5	25	Quaking Aspen	30	Pole	4	25	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	White Spruce	Low	Variable	Variable	White Pine	Low	Variable	Variable						
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	1		18																																																				
Red Oak	5		13	99																																																			
Paper Birch	1	Pole	3																																																				
Bigtooth Aspen	63	Sapling	5	25																																																			
Quaking Aspen	30	Pole	4	25																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	High	Variable	Variable																																																				
White Spruce	Low	Variable	Variable																																																				
White Pine	Low	Variable	Variable																																																				
2	4130 - Aspen	Poletimber Well	15.2	33	Immature	N/A	Dense aspen, small pole sized trees. Oak and a few mature pine are scattered within.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Sapling</td> <td>6</td> <td>33</td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>5</td> <td>33</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>73</td> <td>Sapling</td> <td>7</td> <td>33</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td>Seedling</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	1		18		Quaking Aspen	15	Sapling	6	33	Red Maple	3	Sapling	5	33	Paper Birch	2	Sapling	6		Bigtooth Aspen	73	Sapling	7	33	Red Oak	5		13	99	White Spruce	1	Seedling	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Variable	Red Maple	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	1		18																																																				
Quaking Aspen	15	Sapling	6	33																																																			
Red Maple	3	Sapling	5	33																																																			
Paper Birch	2	Sapling	6																																																				
Bigtooth Aspen	73	Sapling	7	33																																																			
Red Oak	5		13	99																																																			
White Spruce	1	Seedling	8																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
White Spruce	Low	Variable	Variable																																																				
Red Maple	Medium	Variable	Variable																																																				
3	4131 - Aspen, Oak	Poletimber Well	22.4	46	111-140	N/A	Aspen pole stand. There is a fair amount of mature oak scattered across the stand. Oak is scattered enough to not have continuous spread from oak wilt in most areas. There are a couple of spreading dead oak patches in the SE corner and the NW corner. The SE patch has oak density to continue spreading. The NW patch has less oak density and should slow/stop with more species diversity. A couple of drainage ravines run N/S across the stand and will probably need to be excluded from future management.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>7</td> <td>46</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>38</td> <td>Seedling</td> <td>8</td> <td>46</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Seedling</td> <td>7</td> <td>46</td> </tr> <tr> <td>Red Oak</td> <td>25</td> <td></td> <td>14</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	2		22		Red Maple	3	Sapling	7	46	Paper Birch	2		8		Bigtooth Aspen	38	Seedling	8	46	Quaking Aspen	30	Seedling	7	46	Red Oak	25		14	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Balsam Fir	Low	Variable	Variable	White Pine	Low	Variable	Variable	
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	2		22																																																				
Red Maple	3	Sapling	7	46																																																			
Paper Birch	2		8																																																				
Bigtooth Aspen	38	Seedling	8	46																																																			
Quaking Aspen	30	Seedling	7	46																																																			
Red Oak	25		14	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Low	Variable	Variable																																																				
Balsam Fir	Low	Variable	Variable																																																				
White Pine	Low	Variable	Variable																																																				
4	4123 - Red Oak	Sawtimber Well	49.4	99	171-200	N/A	Very dense oak stand over 200 BA in a lot of areas. Average small log size trees with natural mortality occurring due to being severely suppressed. A few small visible dead oak patches were investigated in the field and appear to be natural mortality with no spread occurring. More aspen mixed in the west 1/3 turning to nearly solid oak in the east 2/3. Very small areas were harvested in 2021 in the SW corner and the far east edge that contain some young regen but also denser oak canopies. Moderate rolling terrain in areas.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>20</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>85</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>9</td> <td></td> <td>12</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	2		20		Red Oak	85		13	99	Red Maple	3	Seedling	8		Paper Birch	1	Seedling	8		Bigtooth Aspen	9		12	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Red Maple	Low	Variable	Variable	Red Maple	Medium	Variable	Variable						
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	2		20																																																				
Red Oak	85		13	99																																																			
Red Maple	3	Seedling	8																																																				
Paper Birch	1	Seedling	8																																																				
Bigtooth Aspen	9		12	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
White Pine	Low	Variable	Variable																																																				
Red Maple	Low	Variable	Variable																																																				
Red Maple	Medium	Variable	Variable																																																				
5	4123 - Red Oak	Sawtimber Medium	12.1	99	81-110	N/A	Dense oak patches with some small young aspen areas mixed in. Numerous, aggressive spreading dead oak patches within stand.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>100</td> <td></td> <td>12</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	100		12	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	High	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																										
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Oak	100		12	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Quaking Aspen	High	Variable	Variable																																																				
Red Maple	Medium	Variable	Variable																																																				
Bigtooth Aspen	Low	Variable	Variable																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4123 - Red Oak	Sawtimber Well	63.7	99	111-140	N/A	<p>This is the healthiest oak stand in this Compartment. Stand has been managed in the past with oak being thinned. Oak is healthier with more stout branches and larger diameter trees compared to other unmanaged stands. Oak canopy is closed across a majority of the stand averaging 110-120 BA+ across oak areas. Understory has maple and aspen saplings from last harvest. Aspen is doing well with smaller gaps across the stand but is barely holding on with the limited sunlight. No signs of dead oak except along the south edge. Spreading dead oak along the south private line from adjacent past harvest. Adjacent private landowner along the south edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.</p> <p>OPIC - FMD: Shelterwood cut to 50' BA oak retention. Summer cut for scarification (after July 15). (2006) Shelterwood cut in 2010. Everything removed but oak and pine. (2010)</p>		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	1		15		Quaking Aspen	Low		Variable	Variable
White Pine	3		20		Red Maple	High		Variable	Variable
Red Oak	94		13	99	Bigtooth Aspen	Medium		Variable	Variable
Hemlock	1		13						
Red Pine	1		20						
7	4130 - Aspen	Poletimber Well	63.6	47	111-140	N/A	<p>Good quality aspen pole stand. Mature scattered oak and pine mixed in, mainly in the NW half of the stand. More fir and hazel in the understory in the north half. Some open patches and edges show good natural pine regeneration. Lower patch of ground in the NE may have to be excluded from future management. Retain the W/NW half of the stand to create more aspen age class diversity in the area.</p>		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	70	Seedling	8	47	Balsam Fir	Low		Variable	Variable
Red Oak	7		13	99	White Spruce	Low		Variable	Variable
White Pine	6		18		White Pine	Low		Variable	Variable
Red Maple	5	Sapling	7	47					
Paper Birch	2	Sapling	7						
Bigtooth Aspen	10	Seedling	9	47					
8	4130 - Aspen	Poletimber Well	50.9	48	111-140	N/A	<p>Good quality mixed aspen poles. Scattered mature oak and pine found across the stand. Fingers and areas along the north have steep slopes down to low ground flats. A fair amount may need to be excluded from future management for operations and BMP's. Some areas have beefy oak and pine seedlings present.</p>		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	52	Seedling	8	48	Red Maple	Low		Variable	Variable
Red Oak	5		14	99	Red Oak	Low		< 5 feet	< 5 feet
Red Maple	5	Sapling	7		Balsam Fir	Low		Variable	Variable
Bigtooth Aspen	30	Seedling	8	48	White Pine	Low		< 5 feet	< 5 feet
White Pine	5		14						
Red Pine	3		14						
9	4130 - Aspen	Poletimber Well	30.5	25	1-50	N/A	<p>Young mixed aspen stand transitioning to pole sized trees. Stand is heavy to bigtooth with scattered oak and some pine mixed in. A lower ravine along the NW should be excluded from future management. A large rock outcrop in the north was excluded during the last harvest but some of this may be included in future management.</p>		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	8	Pole	4	25	Red Maple	Medium		Variable	Variable
White Pine	5		15		Red Oak	Low		Variable	Variable
Red Oak	8		13	99					
Red Maple	2	Pole	3						
Bigtooth Aspen	75	Sapling	5	25					
Red Pine	2		15						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
10	4130 - Aspen	Poletimber Well	27.8	48	111-140	N/A	Good quality aspen pole stand with mainly quaking aspen. Fairly open understory across most of the area. Some oak is mixed in, mainly in the west. Very few scattered conifer within.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>7</td> <td>Seedling</td> <td>9</td> <td>48</td> </tr> <tr> <td>Quaking Aspen</td> <td>85</td> <td>Seedling</td> <td>8</td> <td>48</td> </tr> <tr> <td>Red Oak</td> <td>6</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>15</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	7	Seedling	9	48	Quaking Aspen	85	Seedling	8	48	Red Oak	6		13	99	Red Pine	1		18		White Pine	1		15	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Red Oak	Trace	Variable	Variable	White Spruce	Trace	Variable	Variable						
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Bigtooth Aspen	7	Seedling	9	48																																																			
Quaking Aspen	85	Seedling	8	48																																																			
Red Oak	6		13	99																																																			
Red Pine	1		18																																																				
White Pine	1		15	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Low	Variable	Variable																																																				
Red Oak	Trace	Variable	Variable																																																				
White Spruce	Trace	Variable	Variable																																																				
11	4130 - Aspen	Poletimber Well	35.0	23	Immature	N/A	Dense aspen stand transitioning to pole sized trees. Scattered mature oak and white pine within.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Sapling</td> <td>5</td> <td>23</td> </tr> <tr> <td>Red Maple</td> <td>7</td> <td>Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>64</td> <td>Sapling</td> <td>5</td> <td>23</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>12</td> <td></td> <td>14</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	15	Sapling	5	23	Red Maple	7	Pole	3		Bigtooth Aspen	64	Sapling	5	23	White Pine	2		22		Red Oak	12		14	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Red Oak	Trace	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	15	Sapling	5	23																																																			
Red Maple	7	Pole	3																																																				
Bigtooth Aspen	64	Sapling	5	23																																																			
White Pine	2		22																																																				
Red Oak	12		14	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Medium	Variable	Variable																																																				
Red Oak	Trace	Variable	Variable																																																				
12	4123 - Red Oak	Sawtimber Well	34.8	99	171-200	N/A	Good quality oak but extremely suppressed averaging smaller diameter, larger pole to small sawlog range. Most areas are reaching up to 200BA for stocking. Some small clones of large, very mature aspen is mixed in as well as some red maple and birch poles. Significant amount of spreading dead oak patches along the SE edge from past adjacent timber sale. Area north of the road also has numerous spreading dead oak patches. Adjacent private landowner along the south edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>3</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>80</td> <td></td> <td>10</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>17</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>7</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td></td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	3		11		Red Oak	80		10	99	Red Pine	2		17		Red Maple	3	Sapling	7		Paper Birch	7	Seedling	8		Bigtooth Aspen	5		12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Paper Birch	Low	Variable	Variable					
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Quaking Aspen	3		11																																																				
Red Oak	80		10	99																																																			
Red Pine	2		17																																																				
Red Maple	3	Sapling	7																																																				
Paper Birch	7	Seedling	8																																																				
Bigtooth Aspen	5		12																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Medium	Variable	Variable																																																				
Paper Birch	Low	Variable	Variable																																																				
13	4131 - Aspen, Oak	Sawtimber Well	48.8	34	81-110	N/A	Areas dense to younger aspen poles, otherwise oak log canopy. Spreading dead oak along the south private line from adjacent past harvest. Adjacent private landowner along the south edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>18</td> <td>Sapling</td> <td>6</td> <td>34</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Seedling</td> <td>6</td> <td>34</td> </tr> <tr> <td>Red Oak</td> <td>50</td> <td></td> <td>14</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	1		22		Quaking Aspen	18	Sapling	6	34	Red Pine	1		22		Red Maple	3	Sapling	5		Paper Birch	2	Sapling	5		Bigtooth Aspen	25	Seedling	6	34	Red Oak	50		14	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Pine	1		22																																																				
Quaking Aspen	18	Sapling	6	34																																																			
Red Pine	1		22																																																				
Red Maple	3	Sapling	5																																																				
Paper Birch	2	Sapling	5																																																				
Bigtooth Aspen	25	Seedling	6	34																																																			
Red Oak	50		14	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	High	Variable	Variable																																																				
Bigtooth Aspen	Low	Variable	Variable																																																				
14	4123 - Red Oak	Sawtimber Well	23.0	99	141-170	N/A	Cut in 2021. Everything except oak was removed leaving a solid canopy of red oak which is still very dense. Aspen regen present in some of the understory will not succeed with current canopy conditions. Stand is absolutely obliterated with aggressive spreading dead oak patches.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>3</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>95</td> <td></td> <td>13</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	3		18		White Pine	2		18		Red Oak	95		13	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																				
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Pine	3		18																																																				
White Pine	2		18																																																				
Red Oak	95		13	99																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Red Maple	Medium	Variable	Variable																																																				
Bigtooth Aspen	Low	Variable	Variable																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
15	4130 - Aspen	Sapling Well	58.4	5	Immature	N/A	Dense aspen saplings solid to bigtooth. Scattered mixed pine, mature oak found in the south 1/3, and scattered retention patches. Retention patches are all healthy except for the far NW one which has numerous dead oak spreading.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>4</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>8</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>81</td> <td>Log</td> <td>1</td> <td>5</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	4		8		Red Oak	8		12		White Pine	3		8		Red Maple	4	Log	1		Bigtooth Aspen	81	Log	1	5	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Red Oak	Medium	< 5 feet	< 5 feet	White Pine	Low	Variable	Variable															
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Pine	4		8																																																													
Red Oak	8		12																																																													
White Pine	3		8																																																													
Red Maple	4	Log	1																																																													
Bigtooth Aspen	81	Log	1	5																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Red Maple	Medium	Variable	Variable																																																													
Red Oak	Medium	< 5 feet	< 5 feet																																																													
White Pine	Low	Variable	Variable																																																													
16	4130 - Aspen	Poletimber Well	21.4	36	51-80	N/A	Aspen and maple mix with scattered mature oak and pine within. Aspen is heavy to quaking with more of the bigtooth in the east half. Mix of red maple is good quality, tall and straight but just under merchantable size yet.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Sapling</td> <td>5</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>3</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>3</td> <td></td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>10</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling</td> <td>6</td> <td>36</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	45	Sapling	5	36	Red Oak	5		13	99	White Pine	3		10		Northern Pin Oak	3		9		Red Pine	2		10	99	Red Maple	10	Sapling	6		Paper Birch	2	Sapling	7		Bigtooth Aspen	30	Sapling	6	36	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	White Pine	Low	Variable	Variable	Red Oak	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Quaking Aspen	45	Sapling	5	36																																																												
Red Oak	5		13	99																																																												
White Pine	3		10																																																													
Northern Pin Oak	3		9																																																													
Red Pine	2		10	99																																																												
Red Maple	10	Sapling	6																																																													
Paper Birch	2	Sapling	7																																																													
Bigtooth Aspen	30	Sapling	6	36																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Red Maple	High	Variable	Variable																																																													
White Pine	Low	Variable	Variable																																																													
Red Oak	Low	Variable	Variable																																																													
17	4123 - Red Oak	Sawtimber Medium	10.9	99	111-140	N/A	red oak logs. patches of alien pipes that succeeded with gaps. dead oak patchpine seedlings not very dense but healthy and scattered across entire underskirt																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>17</td> <td>Pole</td> <td>4</td> <td>37</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>16</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>20</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>80</td> <td></td> <td>13</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	17	Pole	4	37	Red Pine	2		16	99	White Pine	1		20		Red Oak	80		13	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	< 5 feet	< 5 feet	Red Maple	High	Variable	Variable	Bigtooth Aspen	Low	>20 feet	>20 feet	Red Pine	Low	< 5 feet	< 5 feet																
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Bigtooth Aspen	17	Pole	4	37																																																												
Red Pine	2		16	99																																																												
White Pine	1		20																																																													
Red Oak	80		13	99																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Low	< 5 feet	< 5 feet																																																													
Red Maple	High	Variable	Variable																																																													
Bigtooth Aspen	Low	>20 feet	>20 feet																																																													
Red Pine	Low	< 5 feet	< 5 feet																																																													
18	4130 - Aspen	Sapling Well	14.4	4	Immature	N/A	Cut in 2021. Dense aspen saplings with a couple of interior retention patches.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log</td> <td>1</td> <td>4</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Log</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Log	1	4	Red Oak	10	Log	1		Red Maple	5	Log	1		Bigtooth Aspen	75	Log	1	4																																						
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Quaking Aspen	10	Log	1	4																																																												
Red Oak	10	Log	1																																																													
Red Maple	5	Log	1																																																													
Bigtooth Aspen	75	Log	1	4																																																												
19	4123 - Red Oak	Sawtimber Well	19.0	99	111-140	N/A	Red oak log canopy with patchy dense areas of aspen. Dense red maple sapling understory across much of the stand. One dead oak patch found in the SW was inspected, it appears to have stopped spreading with a light enough oak canopy and more diverse mix of maturing aspen and maple.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>17</td> <td>Pole</td> <td>4</td> <td>37</td> </tr> <tr> <td>Red Oak</td> <td>80</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>20</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>16</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	17	Pole	4	37	Red Oak	80		13	99	White Pine	1		20		Red Pine	2		16	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>>20 feet</td> <td>>20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	< 5 feet	< 5 feet	White Pine	Low	< 5 feet	< 5 feet	Red Maple	High	Variable	Variable	Bigtooth Aspen	Low	>20 feet	>20 feet																
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Bigtooth Aspen	17	Pole	4	37																																																												
Red Oak	80		13	99																																																												
White Pine	1		20																																																													
Red Pine	2		16	99																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Red Pine	Low	< 5 feet	< 5 feet																																																													
White Pine	Low	< 5 feet	< 5 feet																																																													
Red Maple	High	Variable	Variable																																																													
Bigtooth Aspen	Low	>20 feet	>20 feet																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
20	4130 - Aspen	Sapling Well	23.4	5	Immature	N/A	Dense aspen saplings. A few mature oak patches were left for retention. Patches of retention look to be healthy at this time.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Log</td> <td>1</td> <td>5</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	15	Log	1		Red Maple	5	Log	1		Bigtooth Aspen	70	Log	1	5	Red Oak	10	Log	1		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	5 - 10 feet	5 - 10 feet																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Quaking Aspen	15	Log	1																																																																			
Red Maple	5	Log	1																																																																			
Bigtooth Aspen	70	Log	1	5																																																																		
Red Oak	10	Log	1																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Red Pine	Low	5 - 10 feet	5 - 10 feet																																																																			
21	4130 - Aspen	Poletimber Well	17.0	48	111-140	N/A	Quaking aspen pole stand with mix of mature red oak and pine. More oak in the north half.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Seedling</td> <td>8</td> <td>48</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td></td> <td>13</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>12</td> <td></td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	3	Sapling	5		Quaking Aspen	80	Seedling	8	48	Red Pine	5		13		Red Oak	12		12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Variable	Red Pine	Low	Variable	Variable	Red Maple	Low	Variable	Variable																										
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Red Maple	3	Sapling	5																																																																			
Quaking Aspen	80	Seedling	8	48																																																																		
Red Pine	5		13																																																																			
Red Oak	12		12																																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Black Cherry	Low	Variable	Variable																																																																			
Red Pine	Low	Variable	Variable																																																																			
Red Maple	Low	Variable	Variable																																																																			
22	4311 - Pine, Aspen Mix	Sawtimber Well	16.5	99	81-110	N/A	Good diverse mixed stand of hardwood, aspen, and pine. Understory is flushed full of mixed regen of all species ranging from seedlings to well established saplings and poles. Leave another rotation to allow saplings to become better established. Consider management next YOY to release advanced regen and take some dominant canopy out.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>10</td> <td></td> <td>11</td> <td>99</td> </tr> <tr> <td>Quaking Aspen</td> <td>7</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>18</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling</td> <td>5</td> <td>32</td> </tr> <tr> <td>Red Pine</td> <td>33</td> <td></td> <td>12</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10		11	99	Quaking Aspen	7	Sapling	5		Red Oak	18		12	99	Red Maple	2	Sapling	7		Bigtooth Aspen	30	Sapling	5	32	Red Pine	33		12	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Variable	White Pine	Low	< 5 feet	< 5 feet	White Pine	Low	Variable	Variable	Red Maple	Medium	< 5 feet	< 5 feet	Red Maple	High	Variable	Variable	Red Oak	Medium	< 5 feet	< 5 feet	Red Oak	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	10		11	99																																																																		
Quaking Aspen	7	Sapling	5																																																																			
Red Oak	18		12	99																																																																		
Red Maple	2	Sapling	7																																																																			
Bigtooth Aspen	30	Sapling	5	32																																																																		
Red Pine	33		12	99																																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Red Pine	Low	Variable	Variable																																																																			
White Pine	Low	< 5 feet	< 5 feet																																																																			
White Pine	Low	Variable	Variable																																																																			
Red Maple	Medium	< 5 feet	< 5 feet																																																																			
Red Maple	High	Variable	Variable																																																																			
Red Oak	Medium	< 5 feet	< 5 feet																																																																			
Red Oak	Low	Variable	Variable																																																																			
23	4130 - Aspen	Sapling Well	16.4	5	Immature	N/A	Aspen sapling stand with mainly bigtooth. A few retention patches of mature oak within.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>3</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>7</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>68</td> <td>Log</td> <td>1</td> <td>5</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Log</td> <td>1</td> <td>5</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3	Sapling	7		Red Maple	7	Log	1		Bigtooth Aspen	68	Log	1	5	Red Pine	2		10		Red Oak	5	Log	1		Quaking Aspen	15	Log	1	5	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Red Pine	Low	Variable	Variable																				
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	3	Sapling	7																																																																			
Red Maple	7	Log	1																																																																			
Bigtooth Aspen	68	Log	1	5																																																																		
Red Pine	2		10																																																																			
Red Oak	5	Log	1																																																																			
Quaking Aspen	15	Log	1	5																																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
White Pine	Low	Variable	Variable																																																																			
Red Pine	Low	Variable	Variable																																																																			
24	4123 - Red Oak	Sawtimber Well	25.8	99	81-110	N/A	Scattered mature oak and pine mix with areas dense to aspen poles. Understory is abundant with healthy oak pine and hardwood ranging from seedlings to well established saplings. Very dense red pine saplings in the south half. Most mature pine is in the north half.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>5</td> <td>32</td> </tr> <tr> <td>Red Oak</td> <td>60</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>7</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Sapling</td> <td>6</td> <td>32</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5		12	99	Quaking Aspen	10	Sapling	5	32	Red Oak	60		13	99	Red Pine	7		12	99	Red Maple	3		8		Bigtooth Aspen	15	Sapling	6	32	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	Variable	Variable	White Pine	Medium	Variable	Variable	White Pine	Trace	Variable	Variable	Red Oak	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable	Red Pine	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	5		12	99																																																																		
Quaking Aspen	10	Sapling	5	32																																																																		
Red Oak	60		13	99																																																																		
Red Pine	7		12	99																																																																		
Red Maple	3		8																																																																			
Bigtooth Aspen	15	Sapling	6	32																																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																																			
Quaking Aspen	Low	Variable	Variable																																																																			
White Pine	Medium	Variable	Variable																																																																			
White Pine	Trace	Variable	Variable																																																																			
Red Oak	Low	Variable	Variable																																																																			
Red Maple	Medium	Variable	Variable																																																																			
Bigtooth Aspen	Low	Variable	Variable																																																																			
Red Pine	Medium	Variable	Variable																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
25	42110 - Planted Red Pine	Poletimber Well	59.0	62	141-170	N/A	Thinned in 2020. Red pine, large pole to small sawlog sized stand. Stocking ranges from very dense to lighter in areas across the stand. Average of 150 BA across entire stand ranging from 80 BA to 200 BA. Oak and red maple saplings are dense in certain areas within the stand. 160 150 200 190 80 120 150 150 160 Average 150 BA.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>2</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>1</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>94</td> <td></td> <td>9</td> <td>62</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	2		12		White Pine	3		12		Northern Pin Oak	1		10		Red Pine	94		9	62	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Quaking Aspen	Low	Variable	Variable	Northern Pin Oak	Low	Variable	Variable	Red Oak	Medium	Variable	Variable	White Spruce	Low	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Red Oak	2		12																																																												
White Pine	3		12																																																												
Northern Pin Oak	1		10																																																												
Red Pine	94		9	62																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Red Maple	Medium	Variable	Variable																																																												
Quaking Aspen	Low	Variable	Variable																																																												
Northern Pin Oak	Low	Variable	Variable																																																												
Red Oak	Medium	Variable	Variable																																																												
White Spruce	Low	Variable	Variable																																																												
26	4130 - Aspen	Poletimber Well	29.0	48	111-140	N/A	Nice stand of quaking aspen poles. Averages large pole to small sawlog sized trees although some areas average a slightly smaller diameter. Large pine mixed in patches and scattered across the area. Dense hazel understory in areas.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>1</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>88</td> <td></td> <td>9</td> <td>48</td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Paper Birch	1	Seedling	7		Red Pine	4		14		Quaking Aspen	88		9	48	White Spruce	1		11		White Pine	5		15		Black Cherry	1	Sapling	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable	White Spruce	Low	Variable	Variable	Northern Pin Oak	Low	Variable	Variable	Red Pine	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Paper Birch	1	Seedling	7																																																												
Red Pine	4		14																																																												
Quaking Aspen	88		9	48																																																											
White Spruce	1		11																																																												
White Pine	5		15																																																												
Black Cherry	1	Sapling	7																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
White Pine	Low	Variable	Variable																																																												
Black Cherry	Low	Variable	Variable																																																												
White Spruce	Low	Variable	Variable																																																												
Northern Pin Oak	Low	Variable	Variable																																																												
Red Pine	Low	Variable	Variable																																																												
27	4136 - Aspen, Mixed Conifer	Sapling Well	23.7	24	1-50	N/A	Patches of declining fir with aspen and mixed hardwood saplings filling in. Any salvage of declining fir will damage better regen on site. Unmanaged patch in the far NE corner should be included with future management. Aspen was cut out and other species retained before state acquired parcel.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>7</td> <td>74</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td></td> <td>8</td> <td>74</td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Log</td> <td>2</td> <td>24</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	5		10		Balsam Fir	15	Sapling	7	74	Red Maple	20		8	74	Quaking Aspen	60	Log	2	24																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																											
White Pine	5		10																																																												
Balsam Fir	15	Sapling	7	74																																																											
Red Maple	20		8	74																																																											
Quaking Aspen	60	Log	2	24																																																											
28	4130 - Aspen	Sapling Well	15.6	6	1-50	N/A	Aspen sapling stand with large seed tree pine left. Some small patches are more sparse but overall fully stocked and should fill in with time.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>85</td> <td>Log</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td></td> <td>14</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>7</td> <td></td> <td>14</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Log	1		Quaking Aspen	85	Log	1	6	Red Pine	3		14	99	White Pine	7		14	99																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Red Maple	5	Log	1																																																												
Quaking Aspen	85	Log	1	6																																																											
Red Pine	3		14	99																																																											
White Pine	7		14	99																																																											
29	4130 - Aspen	Sapling Well	12.1	6	Immature	N/A	Dense aspen saplings with some scattered mature pine. Pine is mainly found in the north half.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>7</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>87</td> <td>Log</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>20</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	7	Log	1		Quaking Aspen	87	Log	1	6	Red Pine	1		20		White Pine	5		10																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Red Maple	7	Log	1																																																												
Quaking Aspen	87	Log	1	6																																																											
Red Pine	1		20																																																												
White Pine	5		10																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
30	42110 - Planted Red Pine	Sawtimber Well	38.1	61	81-110	N/A	Thinned in 2020. Red pine stand with small saw log to large pole sized trees. Scattered patches have denser stocking but overall the crowns have room to grow across the stand yet.																																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>99</td> <td></td> <td>12</td> <td>61</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>25</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	99		12	61	White Pine	1		25		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Black Cherry	Low	Variable	Variable																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Red Pine	99		12	61																																																																								
White Pine	1		25																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
White Spruce	Low	5 - 10 feet	5 - 10 feet																																																																									
White Pine	Low	5 - 10 feet	5 - 10 feet																																																																									
Black Cherry	Low	Variable	Variable																																																																									
31	4130 - Aspen	Sapling Well	27.1	4	Immature	N/A	Cut in 2021. Dense aspen saplings, mainly quaking, transitioning to more bigtooth with higher elevation.																																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>50</td> <td>Log</td> <td>1</td> <td>4</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Log</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Log	1	4	White Pine	2	Seedling	8		Red Oak	5	Log	1		Red Pine	3		14		Red Maple	5	Log	1		Bigtooth Aspen	35	Log	1	4																																								
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Quaking Aspen	50	Log	1	4																																																																								
White Pine	2	Seedling	8																																																																									
Red Oak	5	Log	1																																																																									
Red Pine	3		14																																																																									
Red Maple	5	Log	1																																																																									
Bigtooth Aspen	35	Log	1	4																																																																								
32	4130 - Aspen	Poletimber Well	6.9	48	111-140	N/A	Nice stand of quaking aspen poles. Averages large pole to small sawlog sized trees although some areas average a slightly smaller diameter. Large pine mixed in patches and scattered across the area. Dense hazel understory in areas.																																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>68</td> <td></td> <td>9</td> <td>48</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td></td> <td>13</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Seedling</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	68		9	48	White Pine	5		15		Black Cherry	1	Sapling	7		Red Oak	2		13		White Spruce	1		11		Red Pine	4		14		Paper Birch	1	Seedling	7		Bigtooth Aspen	20	Seedling	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Variable	Northern Pin Oak	Low	Variable	Variable	Red Pine	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable				
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Quaking Aspen	68		9	48																																																																								
White Pine	5		15																																																																									
Black Cherry	1	Sapling	7																																																																									
Red Oak	2		13																																																																									
White Spruce	1		11																																																																									
Red Pine	4		14																																																																									
Paper Birch	1	Seedling	7																																																																									
Bigtooth Aspen	20	Seedling	8																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
White Spruce	Low	Variable	Variable																																																																									
Northern Pin Oak	Low	Variable	Variable																																																																									
Red Pine	Low	Variable	Variable																																																																									
White Pine	Low	Variable	Variable																																																																									
Black Cherry	Low	Variable	Variable																																																																									
33	6118 - Lowland Deciduous with Cedar	Poletimber Well	5.1	99	81-110	N/A	INCLUDES OUTLET FROM DEADMANS LAKE. Also includes buffer along Deadman's Lake, which is mostly upland.																																																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Ash</td> <td>35</td> <td>Sapling</td> <td>7</td> <td>99</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td></td> <td>9</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td></td> <td>10</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Ash	35	Sapling	7	99	Quaking Aspen	10		10		Northern White Cedar	20		9	99	Red Maple	25		10		Paper Birch	10		10	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Ash</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Ash	Medium	Variable	Variable	Black Spruce	Low	Variable	Variable																															
Canopy Species	% Cover	Size Class	DBH	Age																																																																								
Black Ash	35	Sapling	7	99																																																																								
Quaking Aspen	10		10																																																																									
Northern White Cedar	20		9	99																																																																								
Red Maple	25		10																																																																									
Paper Birch	10		10	99																																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																																									
Black Ash	Medium	Variable	Variable																																																																									
Black Spruce	Low	Variable	Variable																																																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

34 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Medium 34.2 100 81-110 N/A

Large diameter declining trees. Steep long bank across most of the stand makes it inaccessible. Poorly drained ground with areas of cedar and black ash. A small 3 acre patch in the north containing sugar maple and white pine may be manageable in the future.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	25		14	100	Black Ash	Medium	Variable	Variable
White Pine	5		20	100	Black Cherry	Medium	Variable	Variable
Black Ash	22		7		Black Spruce	Low	Variable	Variable
White Spruce	3		10					
Northern White Cedar	15		9	100				
American Elm	5	Seedling	8					
Balsam Fir	5	Sapling	7					
Sugar Maple	5		9					
Red Maple	10	Sapling	7					

35 4130 - Aspen Sapling Well 16.9 13 Immature N/A

Cut in 2012 dense mix of brush and saplings

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Log	1	13	Quaking Aspen	Medium	Variable	Variable
Balsam Poplar	10	Log	2		Red Pine	Low	Variable	Variable
White Pine	15		14		Balsam Fir	Medium	Variable	Variable
Black Cherry	12	Log	1		White Pine	Low	Variable	Variable
Red Pine	3		18					

36 4130 - Aspen Sapling Well 49.1 6 Immature N/A

Aspen saplings with some hardwood mixed in and residual scattered pine and oak.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Log	1	6
White Pine	3		14	
Black Cherry	4	Pole	3	
Red Maple	5	Log	1	
Bigtooth Aspen	8	Log	1	
Red Oak	1		14	
White Spruce	2	Log	2	
Northern Pin Oak	2		12	
Red Pine	5		14	

37 4123 - Red Oak Sawtimber Well 28.9 99 111-140 N/A

Solid oak log stand. Large patch of spreading dead oak in the center areas and some along the south edge. Section west of the powerline ROW also contains multiple spreading dead oak patches. Private bordering the far west edge have new lines in for harvest and do have spreading dead oak patches within.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	3	Seedling	7		Red Maple	Medium	Variable	Variable
Red Oak	90		13	99				
Red Maple	2	Seedling	6	49				
Paper Birch	2	Sapling	5					
Bigtooth Aspen	3	Seedling	8					

OPIC - FMD: ASPEN CUT OUT IN 1976 (1996)



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																						
38	4130 - Aspen	Poletimber Well	9.7	47	111-140	N/A	Good quality aspen stand. Some mature oak mixed in.																																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>White Pine</td><td>2</td><td></td><td>14</td><td></td></tr> <tr><td>Black Cherry</td><td>2</td><td>Sapling</td><td>7</td><td></td></tr> <tr><td>Quaking Aspen</td><td>71</td><td>Seedling</td><td>8</td><td>47</td></tr> <tr><td>Balsam Fir</td><td>1</td><td>Sapling</td><td>7</td><td></td></tr> <tr><td>Red Oak</td><td>6</td><td></td><td>13</td><td></td></tr> <tr><td>White Spruce</td><td>1</td><td>Sapling</td><td>7</td><td></td></tr> <tr><td>Sugar Maple</td><td>1</td><td>Seedling</td><td>8</td><td></td></tr> <tr><td>Paper Birch</td><td>2</td><td>Sapling</td><td>7</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>14</td><td>Seedling</td><td>9</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	2		14		Black Cherry	2	Sapling	7		Quaking Aspen	71	Seedling	8	47	Balsam Fir	1	Sapling	7		Red Oak	6		13		White Spruce	1	Sapling	7		Sugar Maple	1	Seedling	8		Paper Birch	2	Sapling	7		Bigtooth Aspen	14	Seedling	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr> <tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr> <tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Balsam Fir	Low	Variable	Variable	White Spruce	Low	Variable	Variable	White Pine	Trace	Variable	Variable	Black Cherry	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
White Pine	2		14																																																																										
Black Cherry	2	Sapling	7																																																																										
Quaking Aspen	71	Seedling	8	47																																																																									
Balsam Fir	1	Sapling	7																																																																										
Red Oak	6		13																																																																										
White Spruce	1	Sapling	7																																																																										
Sugar Maple	1	Seedling	8																																																																										
Paper Birch	2	Sapling	7																																																																										
Bigtooth Aspen	14	Seedling	9																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Red Maple	Low	Variable	Variable																																																																										
Balsam Fir	Low	Variable	Variable																																																																										
White Spruce	Low	Variable	Variable																																																																										
White Pine	Trace	Variable	Variable																																																																										
Black Cherry	Low	Variable	Variable																																																																										
39	4130 - Aspen	Sapling Well	11.3	5	Immature	N/A	Aspen saplings with residual oak.																																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Red Oak</td><td>10</td><td>Log</td><td>1</td><td></td></tr> <tr><td>Red Maple</td><td>5</td><td>Log</td><td>1</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>85</td><td>Log</td><td>1</td><td>5</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	10	Log	1		Red Maple	5	Log	1		Bigtooth Aspen	85	Log	1	5	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Witch Hazel</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Medium	5 - 10 feet	5 - 10 feet																																														
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Red Oak	10	Log	1																																																																										
Red Maple	5	Log	1																																																																										
Bigtooth Aspen	85	Log	1	5																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet																																																																										
40	4131 - Aspen, Oak	Sapling Well	68.9	15	Immature	N/A	Cut in 2010. Stand ranges from dense aspen saplings to large areas with a more diverse mix. Areas with oak and hardwood saplings are growing excellent and competing with the young aspen. A fair amount of oak saplings are mixed in from both seed and stump sprouting. Long term retention patches left from the past harvest contain spreading dead oak patches. Overall, this is a vigorous, diverse, young mixed stand.																																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Quaking Aspen</td><td>15</td><td>Log</td><td>2</td><td>15</td></tr> <tr><td>Balsam Poplar</td><td>2</td><td>Log</td><td>2</td><td></td></tr> <tr><td>Red Oak</td><td>25</td><td>Log</td><td>2</td><td>15</td></tr> <tr><td>Red Maple</td><td>8</td><td>Log</td><td>2</td><td>15</td></tr> <tr><td>Paper Birch</td><td>12</td><td>Log</td><td>2</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>38</td><td>Log</td><td>3</td><td>15</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	15	Log	2	15	Balsam Poplar	2	Log	2		Red Oak	25	Log	2	15	Red Maple	8	Log	2	15	Paper Birch	12	Log	2		Bigtooth Aspen	38	Log	3	15																																									
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Quaking Aspen	15	Log	2	15																																																																									
Balsam Poplar	2	Log	2																																																																										
Red Oak	25	Log	2	15																																																																									
Red Maple	8	Log	2	15																																																																									
Paper Birch	12	Log	2																																																																										
Bigtooth Aspen	38	Log	3	15																																																																									
41	4130 - Aspen	Poletimber Well	3.9	48	111-140	N/A	Small elevation hump stand with excellent quality bigtooth aspen.																																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Quaking Aspen</td><td>10</td><td>Sapling</td><td>6</td><td>48</td></tr> <tr><td>White Pine</td><td>3</td><td></td><td>14</td><td>99</td></tr> <tr><td>Red Oak</td><td>4</td><td></td><td>13</td><td>99</td></tr> <tr><td>Bigtooth Aspen</td><td>83</td><td>Sapling</td><td>6</td><td>48</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Sapling	6	48	White Pine	3		14	99	Red Oak	4		13	99	Bigtooth Aspen	83	Sapling	6	48	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable																																									
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Quaking Aspen	10	Sapling	6	48																																																																									
White Pine	3		14	99																																																																									
Red Oak	4		13	99																																																																									
Bigtooth Aspen	83	Sapling	6	48																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Red Maple	Medium	Variable	Variable																																																																										
42	500 - Water	Unspecified	2.1	0		No	Brule River																																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
43	4121 - Oak, Aspen	Sawtimber Well	58.6	99	111-140	N/A	Rolling terrain across stand. Ranges from denser oak log patches to dense aspen pole areas. Aspen is heavy to bigtooth transitioning to quaking on the lower elevations. Aspen on higher elevations has larger diameter. Dead oak clumps scattered in the north and a larger vein containing numerous pockets zigzags across the SW area.																																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>6</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>60</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Sapling</td> <td>7</td> <td>36</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	10	Sapling	6	36	Red Oak	60		13	99	Red Maple	5	Seedling	7		Bigtooth Aspen	25	Sapling	7	36	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																								
Canopy Species	% Cover	Size Class	DBH	Age																																																																					
Quaking Aspen	10	Sapling	6	36																																																																					
Red Oak	60		13	99																																																																					
Red Maple	5	Seedling	7																																																																						
Bigtooth Aspen	25	Sapling	7	36																																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																						
Red Maple	Low	Variable	Variable																																																																						
Red Maple	Medium	Variable	Variable																																																																						
Bigtooth Aspen	Medium	Variable	Variable																																																																						
Bigtooth Aspen	Low	Variable	Variable																																																																						
44	6120 - Lowland Cedar	Poletimber Well	16.6	99	141-170	N/A	Very dense cedar across a majority of the stand. Patch in the far east has some more mixed conifer and aspen mixed in. Low, flooded ground.																																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>4</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>4</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>87</td> <td></td> <td>9</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	4		10		White Pine	4		15		Black Spruce	5	Sapling	7		Northern White Cedar	87		9	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	Tag Alder	Low	5 - 10 feet	5 - 10 feet																																
Canopy Species	% Cover	Size Class	DBH	Age																																																																					
Quaking Aspen	4		10																																																																						
White Pine	4		15																																																																						
Black Spruce	5	Sapling	7																																																																						
Northern White Cedar	87		9	99																																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																																						
Balsam Fir	Low	Variable	Variable																																																																						
Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																																						
45	4130 - Aspen	Poletimber Well	19.9	48	111-140	N/A	Nice stand of quaking aspen poles. Averages large pole to small sawlog sized trees although some areas average a slightly smaller diameter. Large pine mixed in patches and scattered across the area. Dense hazel understory in areas.																																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>1</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>88</td> <td></td> <td>9</td> <td>48</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Paper Birch	1	Seedling	7		Red Pine	4		14		White Spruce	1		11		Quaking Aspen	88		9	48	White Pine	5		15		Black Cherry	1	Sapling	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable	Northern Pin Oak	Low	Variable	Variable	Red Pine	Low	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																																					
Paper Birch	1	Seedling	7																																																																						
Red Pine	4		14																																																																						
White Spruce	1		11																																																																						
Quaking Aspen	88		9	48																																																																					
White Pine	5		15																																																																						
Black Cherry	1	Sapling	7																																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																																						
White Spruce	Low	Variable	Variable																																																																						
White Pine	Low	Variable	Variable																																																																						
Black Cherry	Low	Variable	Variable																																																																						
Northern Pin Oak	Low	Variable	Variable																																																																						
Red Pine	Low	Variable	Variable																																																																						
46	4130 - Aspen	Poletimber Well	25.5	47	111-140	N/A	Good quality aspen stand. Some mature oak mixed in. A low swale runs along the east edge and may have to be excluded from future management.																																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>74</td> <td>Seedling</td> <td>8</td> <td>47</td> </tr> <tr> <td>Balsam Fir</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>3</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Black Ash</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>7</td> <td></td> <td>13</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Seedling</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	74	Seedling	8	47	Balsam Fir	1	Sapling	7		Black Cherry	3	Seedling	7		Black Ash	2	Sapling	7		Red Oak	7		13		White Spruce	1	Sapling	7		Paper Birch	2	Sapling	7		Bigtooth Aspen	10	Seedling	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Balsam Fir	Low	Variable	Variable	White Spruce	Low	Variable	Variable	White Pine	Trace	Variable	Variable	Black Cherry	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																					
Quaking Aspen	74	Seedling	8	47																																																																					
Balsam Fir	1	Sapling	7																																																																						
Black Cherry	3	Seedling	7																																																																						
Black Ash	2	Sapling	7																																																																						
Red Oak	7		13																																																																						
White Spruce	1	Sapling	7																																																																						
Paper Birch	2	Sapling	7																																																																						
Bigtooth Aspen	10	Seedling	9																																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																																						
Red Maple	Low	Variable	Variable																																																																						
Balsam Fir	Low	Variable	Variable																																																																						
White Spruce	Low	Variable	Variable																																																																						
White Pine	Trace	Variable	Variable																																																																						
Black Cherry	Low	Variable	Variable																																																																						
47	4319 - Mixed Upland Forest		0.6	100	111-140	N/A																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
49	4123 - Red Oak	Sawtimber Medium	7.9	99	81-110	N/A	Cut in 2009. Dense oak canopy with some open sapling sized patches of mixed aspen and maple. Numerous spreading dead oak patches across the stand south of Paint Pond Road, north of the road is healthy yet and has some larger canopy gaps. Adjacent private landowner along the south edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Sapling	6		Quaking Aspen	Low		Variable	Variable
Red Pine	1		16		Red Oak	Trace		Variable	Variable
Red Oak	96		13	99	Red Maple	High		Variable	Variable
White Pine	1		16		Bigtooth Aspen	Medium	Variable	Variable	
51	4130 - Aspen	Poletimber Well	125.6	44	111-140	N/A	Nice aspen poles with good diameter. Stand is heavy to quaking aspen with some bigtooth clones mixed in, mainly on elevation rises. More diverse mix in the NW area with a bit more pine and hardwood mixed in. Unmanaged areas along the south due to slope and BMP's. Half of this stand will be held until next YOE to create aspen age class diversity in the area. Aspen is healthy and will hold up well. Edges of the adjacent red pine stand were avoided for the proposed harvest due to dense saplings along edges from 2021 harvest to allow the edge to become more established.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	1		14		White Spruce	Trace		Variable	Variable
Quaking Aspen	65	Seedling	8	44	Red Maple	Medium		Variable	Variable
Red Oak	7		15		Red Maple	Low		Variable	Variable
Red Pine	3		14		Paper Birch	Trace		Variable	Variable
Sugar Maple	1		9						
Red Maple	10		9						
Paper Birch	1	Seedling	6						
Bigtooth Aspen	12	Seedling	9						
52	42110 - Planted Red Pine	Poletimber Well	51.4	62	81-110	N/A	Cut in 2021. Large pole to small sawlog sized red pine stand. A lot of areas have a very light canopy of red pine and dense aspen sapling regeneration from past harvest. A lot of aspen saplings will have enough light to succeed into the future.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	99		8	62	Red Maple	Low		Variable	Variable
White Pine	1		12		Quaking Aspen	Full		10 - 20 feet	10 - 20 feet
					White Spruce	Low	Variable	Variable	
53	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.8	99	51-80	N/A	Spruce/fir is dead and/or declining. Wet flooded ground except a small patch along the W/NW.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	20		12		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
White Pine	10		14		Balsam Fir	Medium		Variable	Variable
Black Spruce	35		8	99					
Northern White Cedar	35		9						
54	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	8.7	99	81-110	N/A	Floodplain along the Brule River with saturated soil. Dead and dying black ash along the river. Conifer and aspen are falling apart.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Ash	45	Sapling	7	99	Balsam Fir	Medium		Variable	Variable
Red Maple	15		10		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	10		8						
Quaking Aspen	12		12	99					
White Pine	3		14	99					
White Spruce	5		9	99					
Black Spruce	10	Sapling	7						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
55	4130 - Aspen	Poletimber Well	81.3	36	81-110	N/A	Mixed aspen poles with some oak and pine mixed in. Exceptional diameter on the bigtooth in the west half of the stand for its age. Diameter in the E/SE reflects more of what the age is. Unmanaged areas along the south due to slope and BMP's. Open area in SW corner that is growing in with mixed hardwood, conifer, and oak saplings/poles.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>46</td> <td>Seedling</td> <td>8</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>7</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>40</td> <td>Seedling</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	46	Seedling	8	36	Red Oak	7		16		White Pine	2		18		Black Cherry	1	Sapling	7		Red Maple	3	Sapling	6		Paper Birch	1	Seedling	8		Bigtooth Aspen	40	Seedling	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Black Cherry	Low	Variable	Variable	Red Oak	Trace	Variable	Variable	White Spruce	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Quaking Aspen	46	Seedling	8	36																																																											
Red Oak	7		16																																																												
White Pine	2		18																																																												
Black Cherry	1	Sapling	7																																																												
Red Maple	3	Sapling	6																																																												
Paper Birch	1	Seedling	8																																																												
Bigtooth Aspen	40	Seedling	9																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Red Maple	Medium	Variable	Variable																																																												
Black Cherry	Low	Variable	Variable																																																												
Red Oak	Trace	Variable	Variable																																																												
White Spruce	Low	Variable	Variable																																																												
56	613 - Lowland Mixed Forest	Poletimber Well	10.2	80	51-80	N/A	Black ash/conifer floodplain flat along river. No access due to private property.																																																								
57	4123 - Red Oak	Sawtimber Well	15.2	99	141-170	N/A	Cut in 2020. Cut all except oak and pine. Canopy is still very dense with oak logs. Any aspen saplings will not succeed with current canopy conditions in most areas. Some sparser canopies but overall closed mature oak canopy. 180 140 140 180 Average of 160 BA in oak areas.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>98</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Hemlock</td> <td>1</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>22</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	98		12	99	Hemlock	1		12		White Pine	1		22		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Yellow Birch</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Yellow Birch	Trace	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																				
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Red Oak	98		12	99																																																											
Hemlock	1		12																																																												
White Pine	1		22																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
White Pine	Low	Variable	Variable																																																												
Yellow Birch	Trace	Variable	Variable																																																												
Red Maple	Medium	Variable	Variable																																																												
Bigtooth Aspen	Low	Variable	Variable																																																												
59	4123 - Red Oak	Sawtimber Well	18.5	99	111-140	N/A	Oak log stand with a few very small veins of aspen from past harvest. Some spreading dead oak along the road running E/W in the north half and a large patches spreading in the far SE corner. Small hillside hemlock patch in the SW center area. OPIC - FMD: ASPEN HARVESTED(1992)																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>3</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>89</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Hemlock</td> <td>2</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Seedling</td> <td>8</td> <td>33</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	3	Seedling	7		Red Oak	89		13	99	Hemlock	2		14		Paper Birch	1	Sapling	7		Bigtooth Aspen	5	Seedling	8	33	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Balsam Fir	Low	Variable	Variable																		
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Quaking Aspen	3	Seedling	7																																																												
Red Oak	89		13	99																																																											
Hemlock	2		14																																																												
Paper Birch	1	Sapling	7																																																												
Bigtooth Aspen	5	Seedling	8	33																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Red Maple	High	Variable	Variable																																																												
Balsam Fir	Low	Variable	Variable																																																												
61	122 - Road/Parking Lot	Unspecified	1.9	0		No	Stager Lake Road																																																								
62	4131 - Aspen, Oak	Poletimber Well	9.9	16	1-50	N/A	Cut in 2009. Dense mixed aspen saplings. Scattered mature oak across stand. Some dead oak along edges should stop/slow spread with more diverse mix across this stand.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>33</td> <td>Log</td> <td>2</td> <td>16</td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Log</td> <td>2</td> <td>16</td> </tr> <tr> <td>Red Oak</td> <td>35</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>17</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	33	Log	2	16	Quaking Aspen	30	Log	2	16	Red Oak	35		12	99	Red Pine	1		15		White Pine	1		17		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable	Quaking Aspen	Medium	Variable	Variable														
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Bigtooth Aspen	33	Log	2	16																																																											
Quaking Aspen	30	Log	2	16																																																											
Red Oak	35		12	99																																																											
Red Pine	1		15																																																												
White Pine	1		17																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Red Maple	Medium	Variable	Variable																																																												
Bigtooth Aspen	Medium	Variable	Variable																																																												
Quaking Aspen	Medium	Variable	Variable																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
63	4199 - Other Mixed Upland Deciduous	Sapling Well	9.2	12	Immature	N/A	Harvested 2013 due to Oak wilt. Mixed aspen and hardwood regeneration. There is a good component of healthy oak sapling scattered in areas.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Log</td> <td>2</td> <td>12</td> </tr> <tr> <td>Red Oak</td> <td>35</td> <td>Log</td> <td>2</td> <td>12</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Log</td> <td>1</td> <td>12</td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Log</td> <td>2</td> <td>12</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Log	2	12	Red Oak	35	Log	2	12	Red Maple	25	Log	1	12	Paper Birch	5	Log	2		Bigtooth Aspen	30	Log	2	12																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Quaking Aspen	5	Log	2	12																																																																		
Red Oak	35	Log	2	12																																																																		
Red Maple	25	Log	1	12																																																																		
Paper Birch	5	Log	2																																																																			
Bigtooth Aspen	30	Log	2	12																																																																		
65	4139 - Aspen, Mixed Deciduous	Sapling Medium	17.8	5	1-50	N/A	Aspen saplings with mature oak and pine scattered across the stand. Saplings range from fully stocked to areas with more open patches. Any open patches should fill in more with time.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>13</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td></td> <td>9</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>3</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>5</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Log</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>40</td> <td>Log</td> <td>1</td> <td>5</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	13		12	99	Quaking Aspen	10	Log	1		White Pine	10		9		Northern Pin Oak	3		11		Northern Pin Oak	5	Log	1		Red Pine	4		14		Red Maple	15	Log	1		Bigtooth Aspen	40	Log	1	5																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Red Oak	13		12	99																																																																		
Quaking Aspen	10	Log	1																																																																			
White Pine	10		9																																																																			
Northern Pin Oak	3		11																																																																			
Northern Pin Oak	5	Log	1																																																																			
Red Pine	4		14																																																																			
Red Maple	15	Log	1																																																																			
Bigtooth Aspen	40	Log	1	5																																																																		
67	6129 - Mixed Coniferous Lowland Forest	Sawtimber Poor	6.4	99	51-80	N/A	Low flooded mix of dead and/or declining trees. Large healthy pine scattered within.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td></td> <td>8</td> <td></td> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Sapling</td> <td>7</td> <td>99</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>30</td> <td></td> <td>12</td> <td>99</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>5</td> <td></td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>45</td> <td></td> <td>16</td> <td>99</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	5		8		Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Black Spruce	10	Sapling	7	99					Northern White Cedar	30		12	99					Balsam Fir	5	Sapling	6						Balsam Poplar	5		10						White Pine	45		16	99				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	5		8		Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																														
Black Spruce	10	Sapling	7	99																																																																		
Northern White Cedar	30		12	99																																																																		
Balsam Fir	5	Sapling	6																																																																			
Balsam Poplar	5		10																																																																			
White Pine	45		16	99																																																																		
68	413 - Aspen	Poletimber Well	14.6	69	81-110	N/A	Aspen with some conifer mixed in. No access due to private.																																																															
69	42110 - Planted Red Pine	Poletimber Well	2.0	42	171-200	N/A	Dense red pine poles. OPIC - FMD: Red pine plantation, part of old ELF study area. (2006)																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Seedling</td> <td>7</td> <td>42</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Seedling	7	42																																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Red Pine	100	Seedling	7	42																																																																		
70	6120 - Lowland Cedar	Poletimber Well	4.3	89	111-140	N/A	Dense cedar patch. No access due to private.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
71	42210 - Natural Red Pine	Sawtimber Well	25.0	99	81-110	N/A	Thinned in 2020. Most merchantable species were removed. Scattered mature oak across the stand. Some mixed understory saplings and areas with good oak seedlings.																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>78</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Red Oak</td> <td>7</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td></td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	6		Red Pine	78		12	99	Red Oak	7		12		White Pine	10		12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Variable	White Pine	Low	Variable	Variable	Red Oak	Medium	< 5 feet	< 5 feet	Red Oak	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	5	Sapling	6																																																					
Red Pine	78		12	99																																																				
Red Oak	7		12																																																					
White Pine	10		12																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Pine	Low	Variable	Variable																																																					
White Pine	Low	Variable	Variable																																																					
Red Oak	Medium	< 5 feet	< 5 feet																																																					
Red Oak	Medium	Variable	Variable																																																					
Red Maple	Medium	Variable	Variable																																																					
Bigtooth Aspen	Low	Variable	Variable																																																					
72	4130 - Aspen	Poletimber Well	15.4	47	111-140	N/A	Nice aspen pole stand with pure quaking aspen. Some pine and oak scattered within. Understory is fairly open.																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Seedling</td> <td>8</td> <td>47</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td></td> <td>11</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>1</td> <td>Sapling</td> <td>6</td> <td>47</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Seedling	8	47	White Pine	5		14		Red Oak	2		11	99	Red Pine	2		11		Red Maple	1	Sapling	6	47	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	White Spruce	Low	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable			
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Quaking Aspen	90	Seedling	8	47																																																				
White Pine	5		14																																																					
Red Oak	2		11	99																																																				
Red Pine	2		11																																																					
Red Maple	1	Sapling	6	47																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Balsam Fir	Low	Variable	Variable																																																					
White Spruce	Low	Variable	Variable																																																					
White Pine	Low	Variable	Variable																																																					
Black Cherry	Low	Variable	Variable																																																					
73	4123 - Red Oak	Sawtimber Medium	7.1	99	81-110	N/A	Cut in 2009. Dense oak canopy with some open sapling sized patches of mixed aspen and maple. Numerous spreading dead oak patches across the stand south of Paint Pond Road, north of the road is healthy yet and has some larger canopy gaps. Adjacent private landowner along the south edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>96</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	96		13	99	Red Pine	1		16		White Pine	1		16		Paper Birch	2	Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable	Red Oak	Trace	Variable	Variable	Quaking Aspen	Low	Variable	Variable								
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Oak	96		13	99																																																				
Red Pine	1		16																																																					
White Pine	1		16																																																					
Paper Birch	2	Sapling	6																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Maple	High	Variable	Variable																																																					
Bigtooth Aspen	Medium	Variable	Variable																																																					
Red Oak	Trace	Variable	Variable																																																					
Quaking Aspen	Low	Variable	Variable																																																					
75	4123 - Red Oak	Sawtimber Well	32.9	99	111-140	N/A	Cut in 2009. This stand was delineated out from the adjacent stand due to the closed, dense oak canopy. Spreading dead oak patches across the entire stand, most abundant in the south half. Adjacent private landowner along the east edge clearcut during peak oak wilt season up to the state land border. Significant new mortality and spread along the line is anticipated in the coming years. Oak stocking is dense enough for continuous spread across the entire stand.																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>2</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>17</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>96</td> <td></td> <td>12</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	2		15		White Pine	2		17		Red Oak	96		12	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable																	
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Pine	2		15																																																					
White Pine	2		17																																																					
Red Oak	96		12	99																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Quaking Aspen	Low	Variable	Variable																																																					
Red Maple	Medium	Variable	Variable																																																					
Bigtooth Aspen	Medium	Variable	Variable																																																					
78	4123 - Red Oak	Sawtimber Well	13.2	99	141-170	N/A	Dense oak log stand. Majority of understory is very dense to red maple saplings. Dead oak patches in the center and north half showing spread.																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>3</td> <td>Sapling</td> <td>6</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>95</td> <td></td> <td>13</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling	7		Bigtooth Aspen	3	Sapling	6	36	Red Oak	95		13	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																					
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	2	Sapling	7																																																					
Bigtooth Aspen	3	Sapling	6	36																																																				
Red Oak	95		13	99																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Maple	High	Variable	Variable																																																					
Bigtooth Aspen	Low	Variable	Variable																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
80	6120 - Lowland Cedar	Poletimber Well	27.8	100	141-170	N/A	Dense cedar stand with some lowland species mixed in. Flooded ground with multiple trout stream segments interior.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Poplar</td> <td>7</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>8</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>75</td> <td></td> <td>9</td> <td>100</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Poplar	7		8		Balsam Fir	5	Sapling	7		Tamarack	5		10		Black Spruce	8	Seedling	8		Northern White Cedar	75		9	100	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Alder	Medium	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	Variable	Variable																
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Balsam Poplar	7		8																																																										
Balsam Fir	5	Sapling	7																																																										
Tamarack	5		10																																																										
Black Spruce	8	Seedling	8																																																										
Northern White Cedar	75		9	100																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Alder	Medium	5 - 10 feet	5 - 10 feet																																																										
Balsam Fir	Medium	Variable	Variable																																																										
81	4123 - Red Oak	Sapling Well	4.6	16	Immature	N/A	Dense stocking of red maple and red oak saplings, mainly stump sprouts.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>60</td> <td>Log</td> <td>2</td> <td>16</td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log</td> <td>2</td> <td>16</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	60	Log	2	16	Red Maple	40	Log	2	16																																													
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Oak	60	Log	2	16																																																									
Red Maple	40	Log	2	16																																																									
82	122 - Road/Parking Lot	Unspecified	28.2	0		No	US 2 and cleared ROW.																																																						
83	6115 - Lowland Ash	Sawtimber Well	8.8	99	111-140	N/A	Lowland black ash flat along river transitioning up to aspen edge.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>4</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>18</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>Black Ash</td> <td>65</td> <td>Sapling</td> <td>7</td> <td>99</td> </tr> <tr> <td>Black Spruce</td> <td>3</td> <td>Seedling</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5		10		Balsam Fir	4		8		White Pine	5		16		Quaking Aspen	18		12	99	Black Ash	65	Sapling	7	99	Black Spruce	3	Seedling	8																										
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Maple	5		10																																																										
Balsam Fir	4		8																																																										
White Pine	5		16																																																										
Quaking Aspen	18		12	99																																																									
Black Ash	65	Sapling	7	99																																																									
Black Spruce	3	Seedling	8																																																										
85	4130 - Aspen	Poletimber Well	10.2	51	111-140	N/A	Aspen pole stand. A low swale and trout stream cuts across the west edge. The trout stream loops around the E/S/W perimeter of the stand.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Seedling</td> <td>8</td> <td>51</td> </tr> <tr> <td>Black Ash</td> <td>5</td> <td>Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>9</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>2</td> <td>Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Sapling</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Seedling	8	51	Black Ash	5	Sapling	7		Red Oak	2		12		White Spruce	2	Seedling	7		Red Maple	3	Sapling	6		Paper Birch	2	Seedling	8		White Pine	2		9		Black Cherry	2	Sapling	6		Balsam Fir	2	Sapling	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Quaking Aspen	80	Seedling	8	51																																																									
Black Ash	5	Sapling	7																																																										
Red Oak	2		12																																																										
White Spruce	2	Seedling	7																																																										
Red Maple	3	Sapling	6																																																										
Paper Birch	2	Seedling	8																																																										
White Pine	2		9																																																										
Black Cherry	2	Sapling	6																																																										
Balsam Fir	2	Sapling	7																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Balsam Fir	Low	Variable	Variable																																																										
86	110 - Low Intensity Urban	Unspecified	1.9			No	STAGER LAKE ROAD																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
88	4130 - Aspen	Sapling Well	10.9	10	Immature	N/A	Aspen sapling stand.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Log</td> <td>2</td> <td>10</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>2</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>20</td> <td>Log</td> <td>2</td> <td>10</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td></td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Log	2	10	Balsam Fir	5	Pole	2		Balsam Poplar	20	Log	2	10	White Pine	5		14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable																						
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	70	Log	2	10																																																						
Balsam Fir	5	Pole	2																																																							
Balsam Poplar	20	Log	2	10																																																						
White Pine	5		14																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Balsam Fir	Medium	Variable	Variable																																																							
89	4123 - Red Oak	Sawtimber Well	20.6	99	141-170	N/A	Dense canopy heavy to oak. Similar to adjacent oak stands but contains a heavier component of large mature aspen, mainly in the south half. Dead oak patches scattered across entire stand are showing signs of aggressive, continued spread.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>72</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td></td> <td>11</td> <td>99</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	72		13	99	Red Maple	3		8		Bigtooth Aspen	25		11	99	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Red Maple	Low	Variable	Variable																							
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Oak	72		13	99																																																						
Red Maple	3		8																																																							
Bigtooth Aspen	25		11	99																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Low	Variable	Variable																																																							
Red Maple	Low	Variable	Variable																																																							
92	4125 - Black, N. Pin Oak	Poletimber Well	7.7	99	111-140	N/A	Mixed oak stand that is heavy to northern pin oak. Red oak and pine are healthy but northern pin oak is older and showing some decline. A fair amount of oak seedlings/saplings are found in the understory.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>15</td> <td></td> <td>12</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>7</td> <td></td> <td>10</td> <td>99</td> </tr> <tr> <td>Northern Pin Oak</td> <td>75</td> <td></td> <td>9</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td></td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	15		12	99	White Pine	7		10	99	Northern Pin Oak	75		9	99	Red Pine	3		12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Red Maple	High	Variable	Variable	White Pine	Medium	< 5 feet	< 5 feet	Red Oak	Low	< 5 feet	< 5 feet										
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Oak	15		12	99																																																						
White Pine	7		10	99																																																						
Northern Pin Oak	75		9	99																																																						
Red Pine	3		12																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	Variable	Variable																																																							
Red Maple	High	Variable	Variable																																																							
White Pine	Medium	< 5 feet	< 5 feet																																																							
Red Oak	Low	< 5 feet	< 5 feet																																																							
93	6139 - Mixed Lowland Forest	Sapling Medium	3.7	4	Immature	N/A	Cut in 2021. Patchy aspen and mixed hardwood regeneration present. There is a good amount of shorth black spruce regeneration. Thick alder in a lot of areas. This stand is not fully stock but more time should allow conifers to become established.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>50</td> <td>Log</td> <td>1</td> <td>4</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Log</td> <td>1</td> <td>4</td> </tr> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Log</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	50	Log	1	4	Black Cherry	10	Log	1	4	Quaking Aspen	40	Log	1	4	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Black Spruce	Medium	< 5 feet	< 5 feet																							
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Black Spruce	50	Log	1	4																																																						
Black Cherry	10	Log	1	4																																																						
Quaking Aspen	40	Log	1	4																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																							
Black Spruce	Medium	< 5 feet	< 5 feet																																																							
94	4123 - Red Oak	Sawtimber Well	12.1	99	111-140	N/A	Mainly denser red oak canopy. Areas of younger dense aspen poles in the center. Spreading dead oak patches in the NW corner and along the east edge.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Sapling</td> <td>6</td> <td>34</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>68</td> <td></td> <td>14</td> <td>99</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td></td> <td>22</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Seedling</td> <td>7</td> <td>34</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Sapling	6	34	Red Pine	1		22		Red Oak	68		14	99	White Pine	1		22		Red Maple	3	Sapling	5		Paper Birch	2	Sapling	5		Bigtooth Aspen	20	Seedling	7	34	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable			
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	5	Sapling	6	34																																																						
Red Pine	1		22																																																							
Red Oak	68		14	99																																																						
White Pine	1		22																																																							
Red Maple	3	Sapling	5																																																							
Paper Birch	2	Sapling	5																																																							
Bigtooth Aspen	20	Seedling	7	34																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	High	Variable	Variable																																																							
Bigtooth Aspen	Low	Variable	Variable																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
97	4130 - Aspen	Poletimber Well	4.8	46	111-140	N/A	Good quality aspen with some oak mixed in. Stand was left from past harvest due to an old trespass case.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>14</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>3</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Seedling</td> <td>8</td> <td>46</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	14	Seedling	8		Red Oak	3		13	99	White Spruce	1		12		Red Maple	2	Seedling	7		Bigtooth Aspen	80	Seedling	8	46	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Red Oak	Low	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																													
Quaking Aspen	14	Seedling	8																																														
Red Oak	3		13	99																																													
White Spruce	1		12																																														
Red Maple	2	Seedling	7																																														
Bigtooth Aspen	80	Seedling	8	46																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
White Pine	Low	Variable	Variable																																														
Red Oak	Low	< 5 feet	< 5 feet																																														
Balsam Fir	Low	Variable	Variable																																														
100	4130 - Aspen	Poletimber Well	8.5	36	111-140	N/A	Very good quality aspen pole stand. Heavy to bigtooth with elevation hump across most of the stand. A few scattered mature oak and pine scattered across the stand.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>4</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td></td> <td>13</td> <td>99</td> </tr> <tr> <td>Red Oak</td> <td>8</td> <td></td> <td>14</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>83</td> <td>Sapling</td> <td>6</td> <td>36</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	4		13	99	Red Pine	3		13	99	Red Oak	8		14	99	Red Maple	2	Sapling	5		Bigtooth Aspen	83	Sapling	6	36	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>>20 feet</td> <td>>20 feet</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Trace	Variable	Variable	Red Maple	Medium	Variable	Variable	Bigtooth Aspen	Medium	>20 feet	>20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																													
White Pine	4		13	99																																													
Red Pine	3		13	99																																													
Red Oak	8		14	99																																													
Red Maple	2	Sapling	5																																														
Bigtooth Aspen	83	Sapling	6	36																																													
Sub-Canopy Species	Density	Avg. Height	Size																																														
White Pine	Trace	Variable	Variable																																														
Red Maple	Medium	Variable	Variable																																														
Bigtooth Aspen	Medium	>20 feet	>20 feet																																														
101	500 - Water	Unspecified	9.9	0		No	Brule River																																										
106	500 - Water	Unspecified	8.0	0		No	Brule River																																										
400	110 - Low Intensity Urban	Unspecified	3.6			No	Power line																																										
401	110 - Low Intensity Urban	Unspecified	7.5			No	Power line																																										
402	110 - Low Intensity Urban	Unspecified	12.8			No	Power line																																										
404	110 - Low Intensity Urban	Unspecified	5.6			No	Power line ROW.																																										