



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12141

Entry Year 2028

Acreage: 1,581

County: Iron

Management Area: Way Dam Complex

Stand Examiner: Eric Brolin

Legal Description:

T43N-R33W SECTIONS 7, 8, 16, 17, 18 & 19.

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:

Fine sandy loam with rolling hills to lowland swamps and drainages.

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

State lands mixed with company lands and private parcels. Lands used mainly for hunting and fishing.

Unique Natural Features:

Long Lake, Lake Emily and Chicagon Creek.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

West Iron Deer Wintering Complex

Watershed and Fisheries Considerations:

This compartment contains Chicagon Slough and Gravel Pit Creek. The Chicagon Slough and Gravel Pit Creek are both designated Type 1 trout streams less than 50 foot wide and have predicted mean July water temperatures ranging from 60.3 to 67.1 °F (cold-cool streams). 300-foot riparian management zones are recommended for Chicagon Slough and Gravel Pit Creek in areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot riparian management zone is recommended to protect riparian areas in accordance with best management practices.

Wildlife Habitat Considerations:

This compartment is in the Net River Management Area which has the following featured species: Black bear, American marten, moose, white-tailed deer and wood duck. This compartment is in the West Iron Deer Wintering complex. Lowland conifers and cedar, hemlock and a couple natural pine stands are critical cover for wintering deer. Upland stands in provide important winter and spring forage for deer. 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 also provide winter and summer cover and are essential for travel corridors for a many species of wildlife and provide essential habitat for riparian species including wood duck. Mesic conifer in the uplands is promoted to provide structural diversity within stands which increases habitat value, as cover for wildlife. Mast production, such as oak, cherry and raspberry are encouraged to provide valuable forage for bear, deer, grouse and turkey. This compartment has a hunter walking trail that provides herbaceous spring and summer forage particularly important for wildlife, and provide recreational opportunities for consumptive and non-consumptive wildlife users.

Mineral Resource and Development Concerns and/or Restrictions

Active sand & gravel mining operations occur in Sec 29, approximately one mile from the compartment, and there appears to be good potential for sand & gravel within the compartment on the uplands. While the compartment is within two miles of past workings of abandoned iron mines, available data indicate iron formations are unlikely to occur beneath the compartment. No ground-based metallic mineral exploration is known to have occurred within the compartment. There is an active metallic mineral lease just to the northwest, in Sec 7, but the lease appears to be targeting a discrete geophysical anomaly that does not extend into the compartment. Potential for metallic minerals within the compartment is considered

low. There may be potential for other critical materials, but further study is needed. There is no potential for economic oil and gas production in the UP. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Iron County Rec. Trail, Lake Emily Road, Long Lake Road and U.S. 2.

Survey Needs:

Recreational Facilities and Opportunities:

Iron County Rec. Trail runs through compartment. Access point with boat landing on Long Lake.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

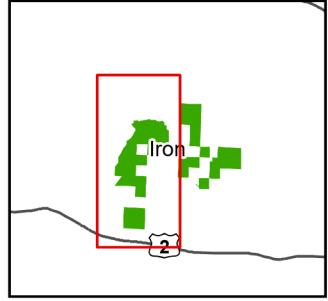
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

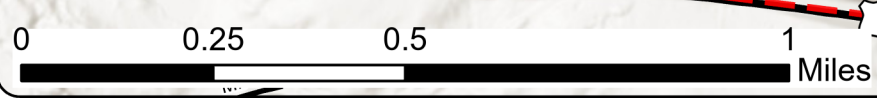
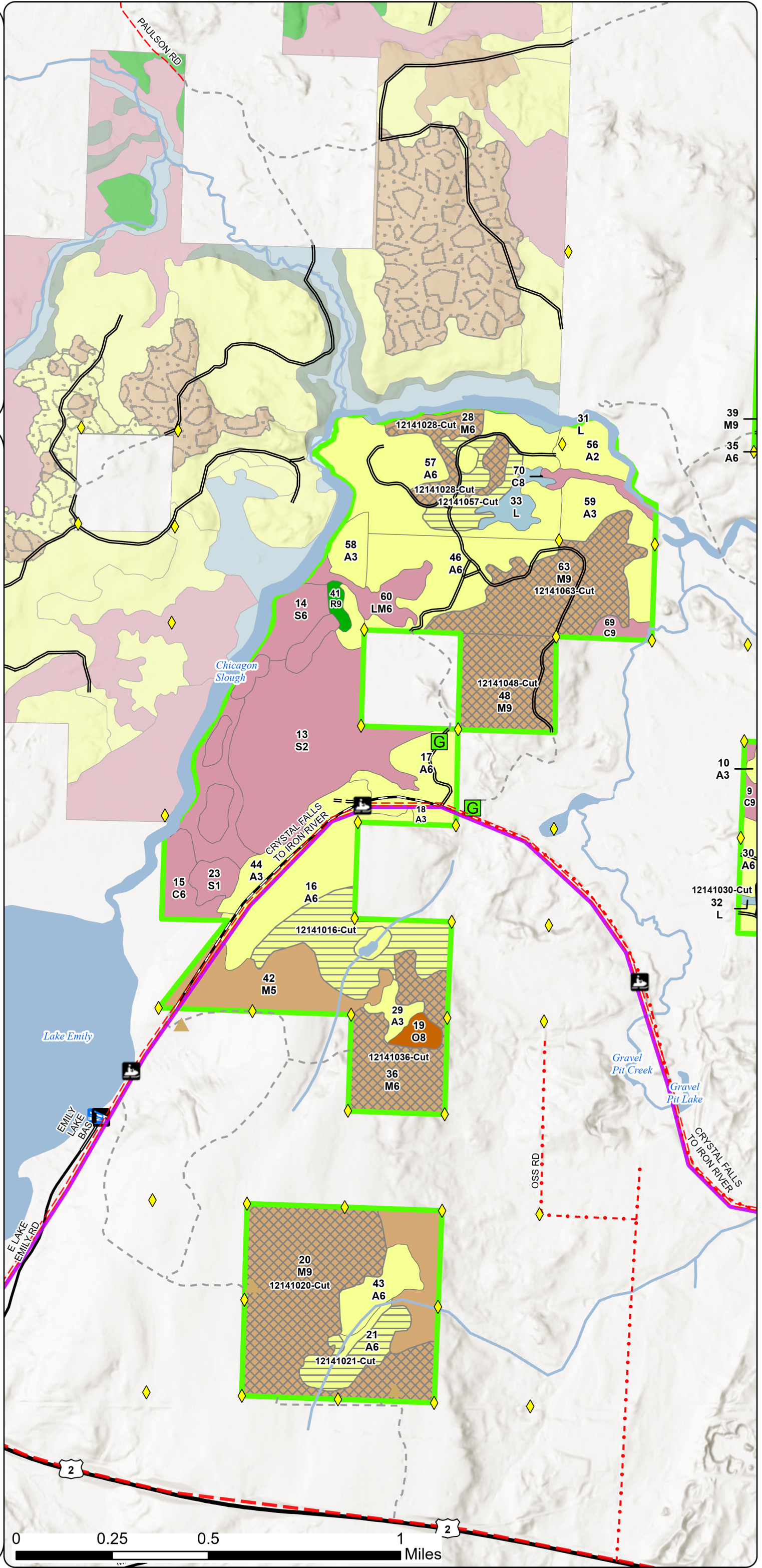
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 12141
 T43N R33W Sec. 7, 8, 16-19
 County: Iron
 Unit: Crystal Falls
 Mgmt. Area: Way Dam Complex
 YOE: 2028
 Acres: 1,580.83 GIS Calculated
 Examiner: Eric Brolin
 Date Exported: 04/24/2026
 Map Phase: Web Post

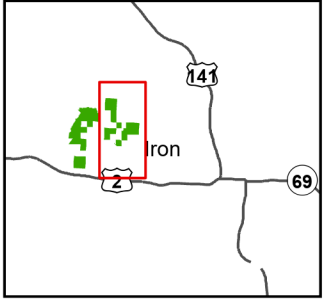


- Survey Grade Corners
- Toilet
- Boating Access Site
- Berm
- Gate
- Designated Bicycle Trails
- Designated ORV Routes
- Designated Snowmobile
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Clearcut
- Selection
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub

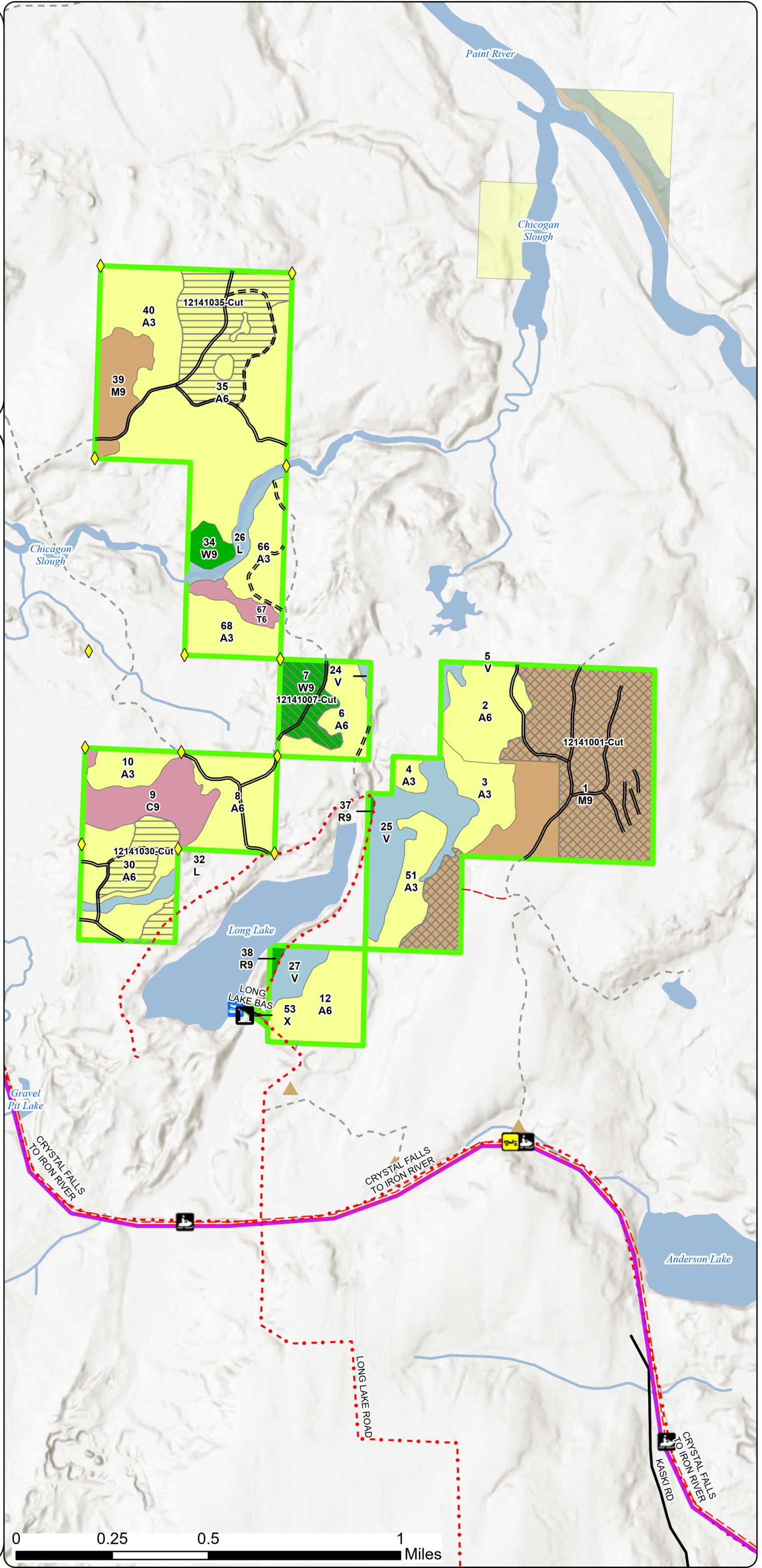


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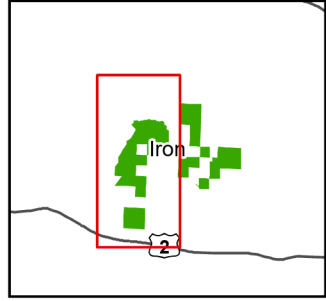


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- Other Harvest - See Comments
- 411 - Northern Hardwood
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- 122 - Road/Parking Lot
- 622 - Lowland Shrub

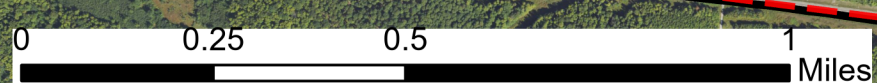
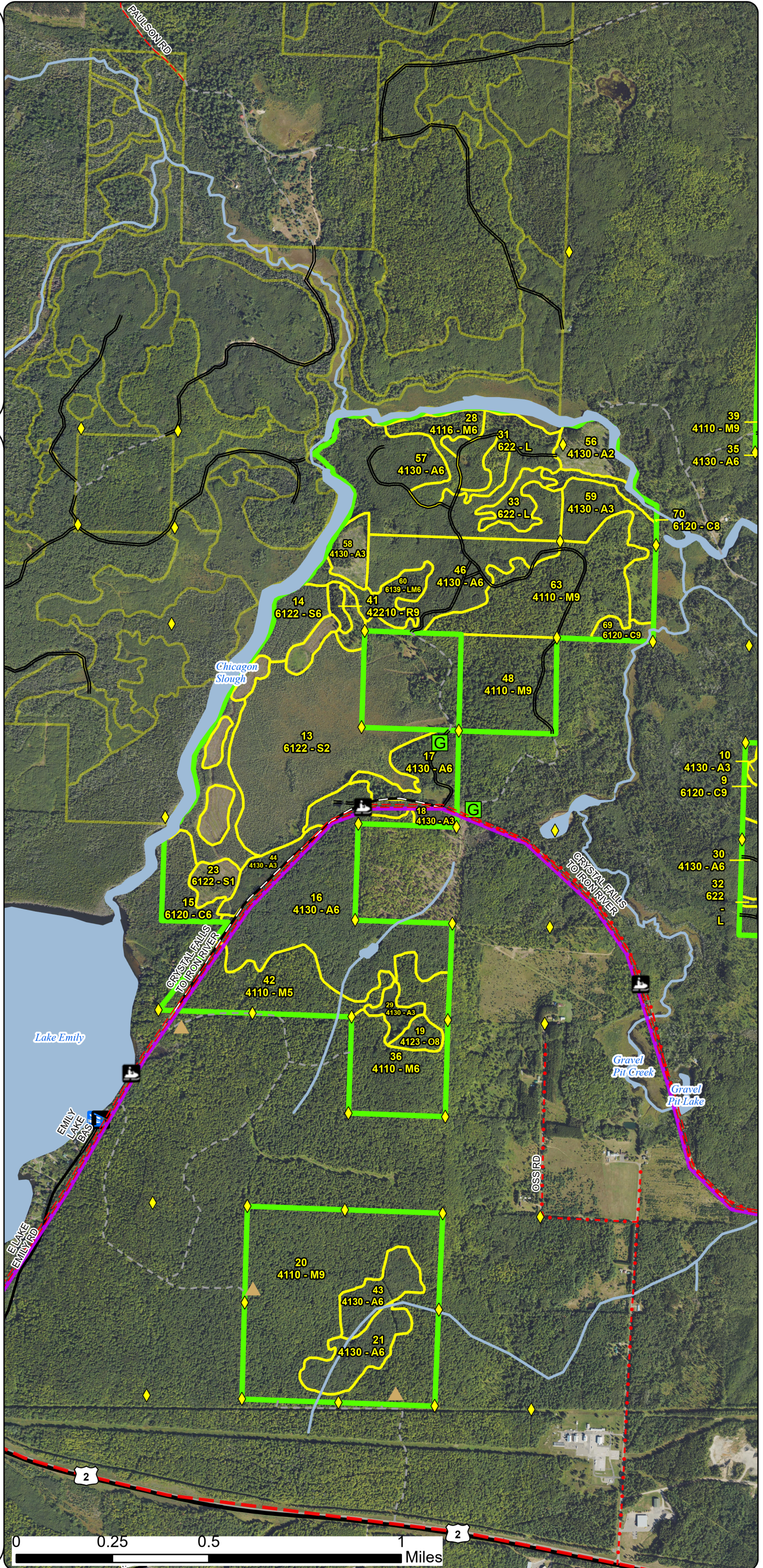


Stand Boundary Map

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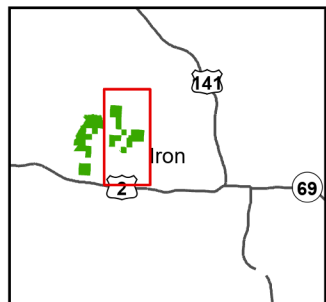


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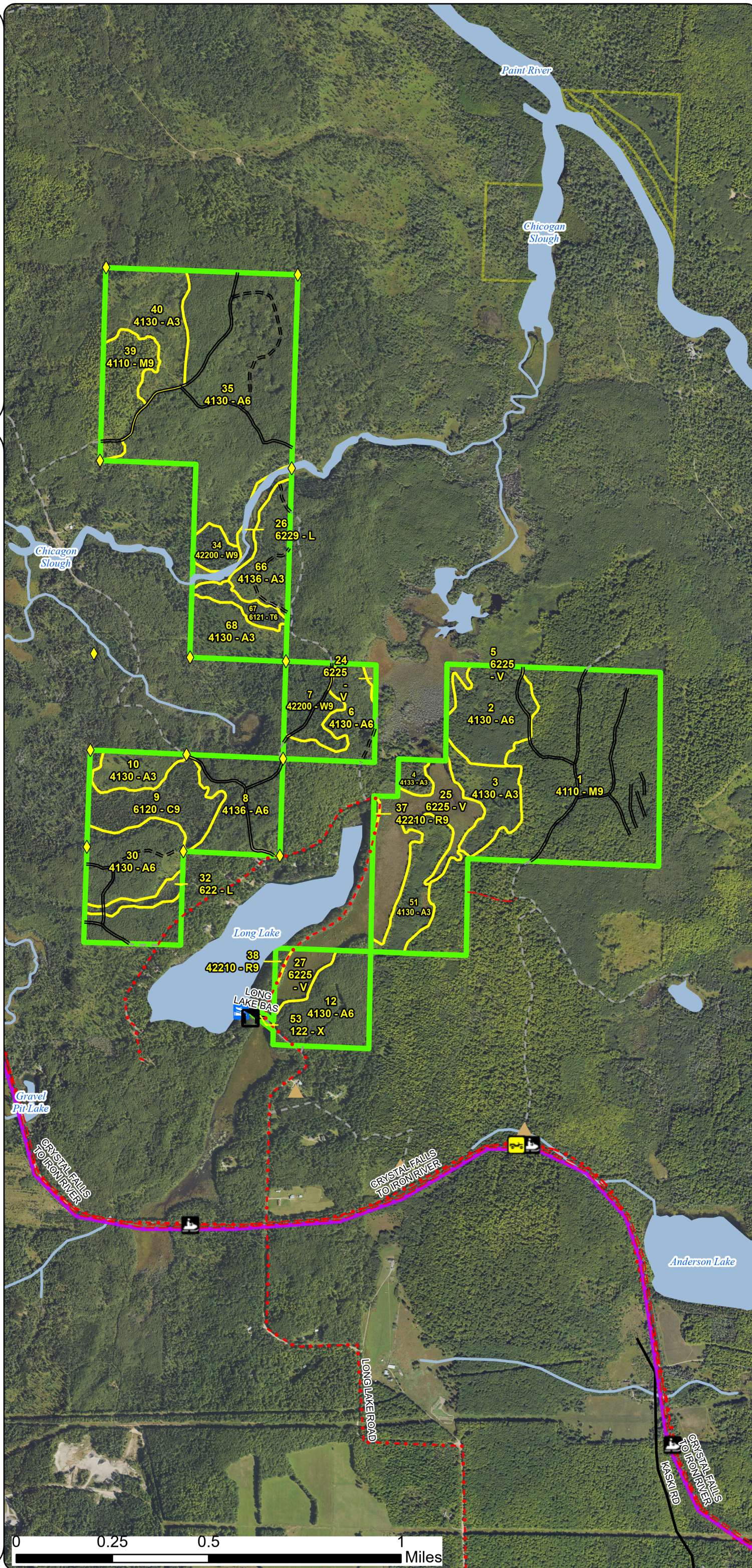


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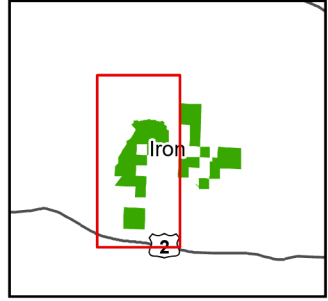


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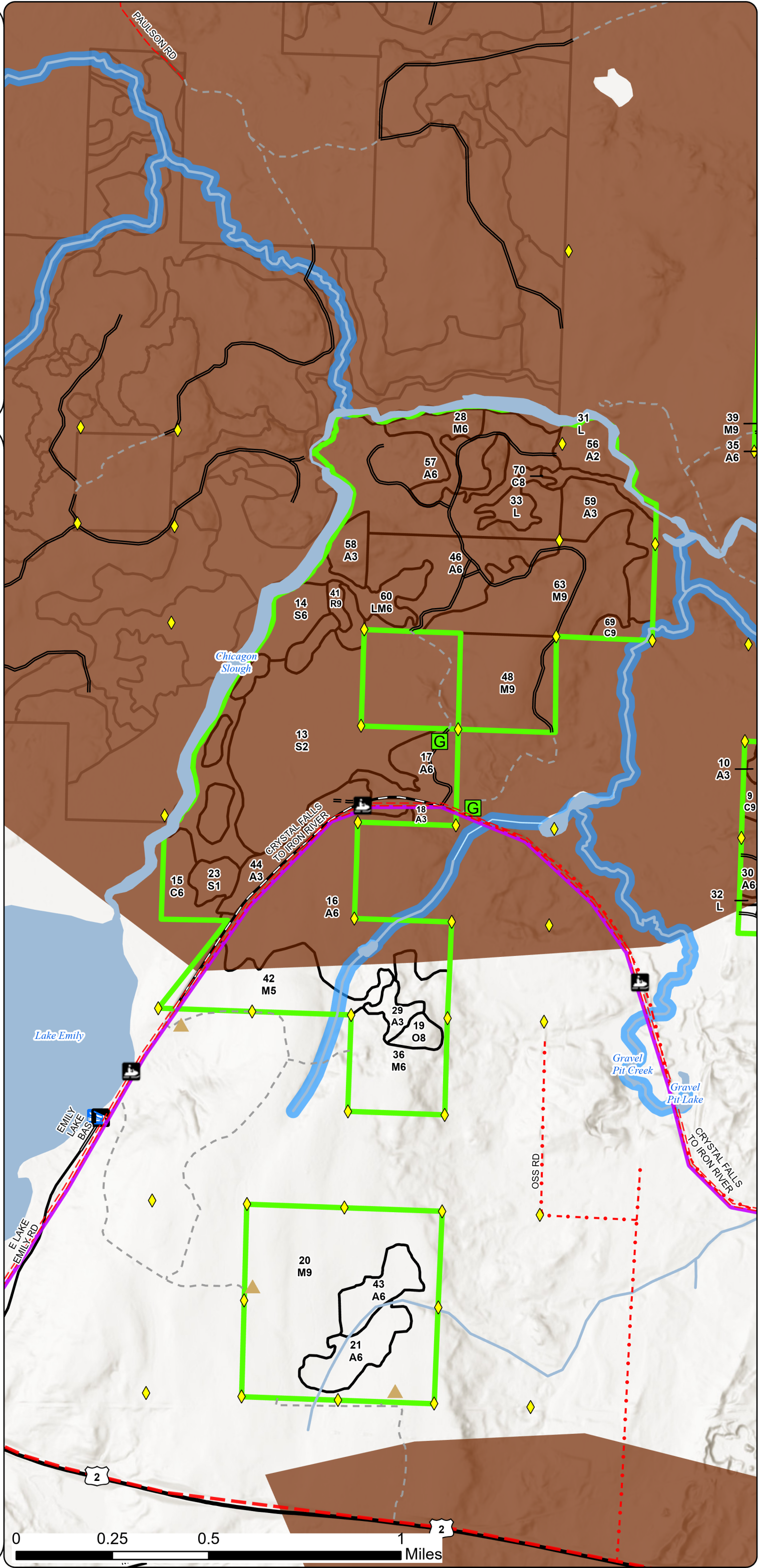


Special Conservation Areas & Site Conditions Map

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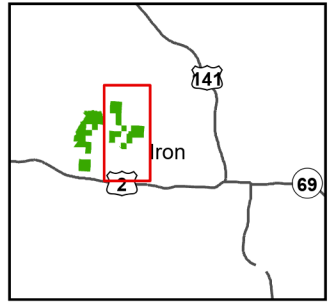


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- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range

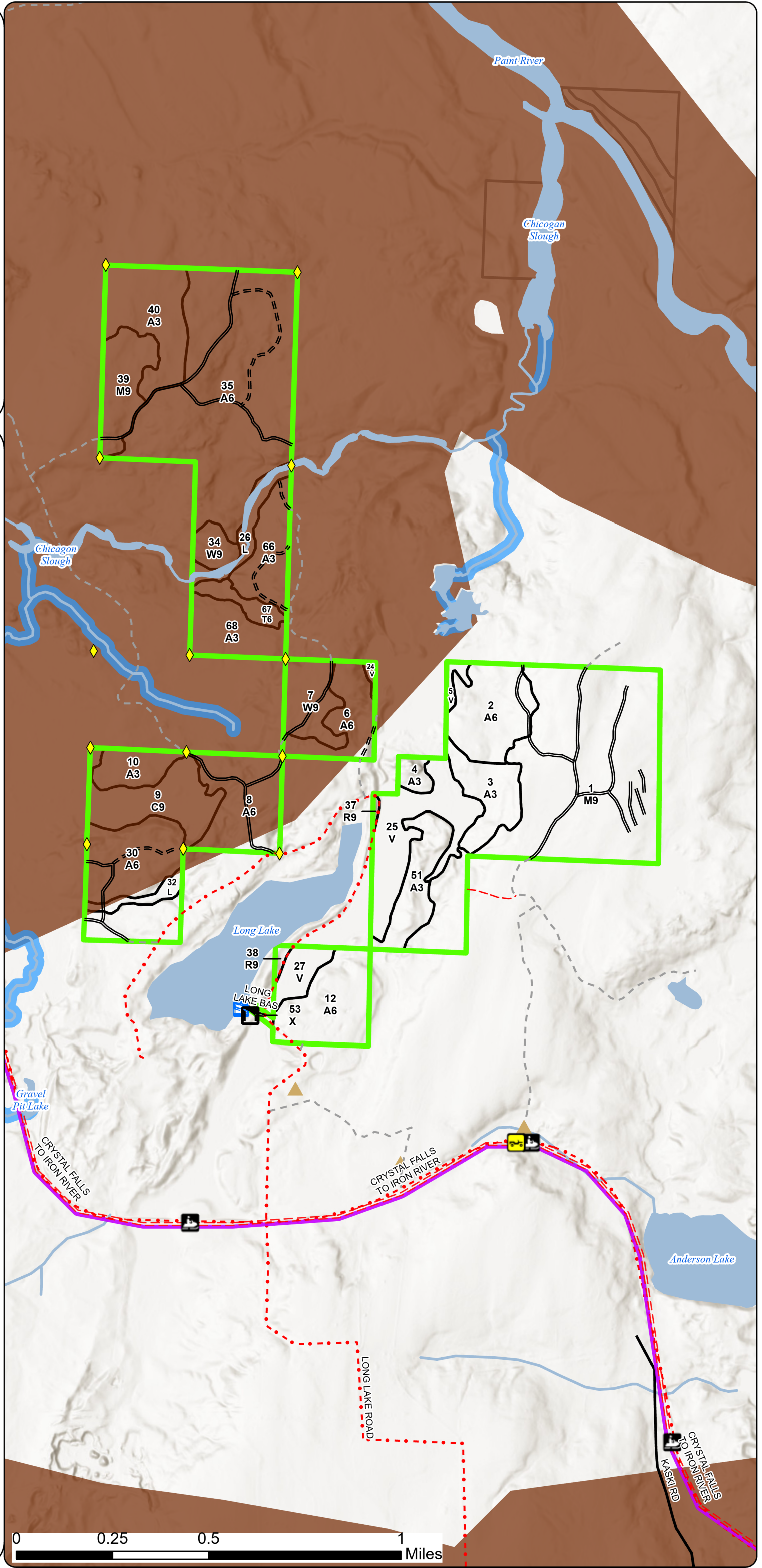


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Report 1 – Total Acres by Cover Type and Age Class



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	40	133	59	124	307	93	0	0	0	0	0	0	0	0	0	0	0	755
Bog	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Cedar	0	0	0	0	0	0	0	0	0	0	41	11	0	0	0	0	0	0	52
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Lowland Shrub	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Lowland Spruce/Fir	0	25	0	0	0	0	0	0	0	0	130	0	0	0	0	0	0	0	155
Northern Hardwood	0	0	0	0	0	19	0	0	0	0	252	216	0	0	0	0	0	0	487
Oak	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	5
Tamarack	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	24
Total	74	65	133	59	124	326	93	0	0	0	433	272	0	0	0	0	0	0	1578



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 141
Total Compartment Acres: 1,581

Commercial Harvest - 1070
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	142	0	0	0	0	0	0	0	0	142
Northern Hardwood	0	377	0	0	0	0	0	0	0	377
White Pine	0	0	0	0	0	0	0	0	0	17
Total	142	377	0	0	0	0	0	0	0	537

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	537	0	0	0	0	0	0	0	0	537
Next Step	0	0	0	0	0	0	537	0	0	537
Total	537	0	0	0	0	0	537	0	0	1073



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

1	12141001-Cut	111.7	4110 - Sugar Maple Association	9	100	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark stand to 70-90 BA. Focus on improving quality, opening up crop trees, and reopening/creating canopy gaps for hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer and oak. Favor species diversity while</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Access from the south through private/company land. Add all applicable snowmobile/ORV trail protection and/or hauling specs for sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
7	12141007-Cut	17.3	42200 - Natural White Pine	9	106	141-170	Harvest	Other Harvest - See Comments	42290 - Natural Mixed Pine	Current	No
<p><u>Prescription</u> Thin stand to average 110 - 130 BA. Use the variable density thinning (VDT) technique for natural pine stands. It involves varied arrangement of removal/residual trees to increase horizontal and vertical heterogeneity. VDT should also retain scattered tre</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> VDT residual BA will follow recommendations for stands 40 - 80 years old due to the current high pine stocking from past management. Keep</p> <p><u>Comment:</u> access/operations and target average residual BA in mind while marking.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
16	12141016-Cut	43.2	4130 - Aspen	6	54	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Green mark to leave one larger diameter spruce/fir AND one hardwood per acre if present. Leave all con</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Buffer vernal area 100' in the center of the treatment, this will be good long term retention containing mature aspen and conifer.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
20 12141020-Cut	104.6	4110 - Sugar Maple Association	9	96	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark stand to 60-80 BA. Focus on improving quality, opening up crop trees, and reopening/creating canopy gaps for hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer and oak. Favor species diversity while</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Clean out under large oak driplines and/or expand around to create adjacent gaps to encourage oak regeneration and release sugar maple</p> <p><u>Comment:</u> present under most. Best sale access is through private from the south.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
21 12141021-Cut	16.5	4130 - Aspen	6	49	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest to a 2" spec to promote dense aspen regeneration. Only harvest merchantable spruce/fir, leave all other conifer unless needed for operability. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Leave all oak</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Try to protect as much as possible non-merchantable spruce/fir from damage during operations to maintain a young conifer component</p> <p><u>Comment:</u> within the stand. Buffer along low area in the north will serve as long term retention and contains more of the conifer comp</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
28 12141028-Cut	17.3	4116 - Mixed N. Hardwood - Aspen	6	43	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Variable BA, density, species, and size across the stand. Mark stand to target anywhere from 60 - 100 BA depending on the situation needed to achieve goals. Focus on improving quality, releasing northern hardwood crop trees, and removing some of the aspen</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Mark to discourage aspen regeneration while keeping access/operations in mind, especially on slopes. Exclude areas along the north</p> <p><u>Comment:</u> containing sparser openings and/or inoperable terrain while maintaining a minimum 100' river buffer. Cutting spec for deer w</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										
30 12141030-Cut	19.0	4130 - Aspen	6	46	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Green mark to leave one larger diameter spruce/fir AND healthy hardwood tree per acre if present. Leave</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Protect sub-merchantable conifer as much as possible during sale operations. Flooded alder swale across the center should be buffered a</p> <p><u>Comment:</u> minimum tree length. Exclude young sapling patch of fir in the NE corner from harvest. Add deer wintering range harvest</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</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
35	12141035-Cut	46.5	4130 - Aspen	6	40	Unspec ified	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Leave all conifer and oak if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Exclude black ash swale with a tree length buffer. Exclude the flooded vernal depression with a 100' buffer. Cutting spec for deer winter range.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
36	12141036-Cut	43.9	4110 - Sugar Maple Association	6	96	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark stand to 70-90 BA. Focus on improving quality, opening up crop trees, and reopening/creating canopy gaps for hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer and oak. Favor species diversity while</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Clean out under large oak driplines and create adjacent gaps to encourage oak regeneration.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
48	12141048-Cut	40.1	4110 - Sugar Maple Association	9	96	141- 170	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Mark stand to 60-80 BA. Focus on improving quality, opening up crop trees, and reopening/creating canopy gaps for hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer. Favor species diversity while marking.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Clean out under large oak driplines and create adjacent gaps to encourage oak regeneration. Cutting spec for deer winter range. Add all applicable snowmobile/ORV trail protection and/or hauling specs for sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
57	12141057-Cut	17.2	4130 - Aspen	6	43	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Harvest all merchantable trees to promote aspen regeneration. Retention should include large diameter, forked crown aspen, and a diverse mix of species. Green mark to leave one hardwood tree per acre if present. Leave all conifer and oak if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</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> Cutting spec for deer winter range. Add all applicable snowmobile/ORV trail protection and/or hauling specs for sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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63	12141063-Cut	59.4	4110 - Sugar Maple Association	9	104	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Mark stand to 70-90 BA. Focus on improving quality, opening up crop trees, and reopening/creating canopy gaps for hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer and oak. Favor species diversity while

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the current overstory species.

Regen:

Other Clean out under large oak driplines and create adjacent gaps to encourage oak regeneration. Cutting spec for deer winter range. Add all

Comment: applicable snowmobile/ORV trail protection and/or hauling specs for sale.

Site Condition:

Proposed Start Date: 10/01/2027

Total Treatment 536.7
Acres Proposed:

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Eric Brolin : Examiner

Compartment: 141
Year of Entry: 2028



Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions							
		With Condition				5B	5C	1D	2G	3D	3J	5E	
570	453	78		40	Aspen		78	15				14	10
46	46	0		0	Bog								
52	52	0		0	Cedar								
5	0	0		5	Lowland Mixed Forest				5				
27	27	0		0	Lowland Shrub								
156	156	0		0	Lowland Spruce/Fir								
251	205	21		25	Northern Hardwood	21		23				2	
5	5	0		0	Oak								
5	5	0		0	Red Pine								
7	7	0		0	Tamarack								
1	0	0		1	Urban					1			
24	24	0		0	White Pine								
1,151	982	99		71	Total Forested Acres	21	78	38	5	1	16	10	
	85%	9%		6%	Relative Percent								

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Exclude this area from current treatment. Contains a lighter canopy with more dense hardwood sapling success. Allow understory to develop more before entering for management.								
2	Available		5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold this half of the stand for management until next YOE. Create a bit more aspen age class diversity in the area.								



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: 100' buffer around flooded vernal area. Long term retention for Stand 16.</p>							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Hold to manage next YOE to break up a large stand and create more aspen age class diversity in the area.</p>							
5	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<p>Comments: Future long term retention for Stand 43. 100' buffer from center of low seasonal drainage and stand split. Contains more conifer and lower, soft ground.</p>							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	5E: Long-Term Retention	2F: Too steep	Unspecified	Unspecified
<p>Comments: River buffer and steep terrain. Long term retention for Stand 58.</p>							
7	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<p>Comments: Long term retention for Stand 35. Contains a forested black ash swale and a flooded vernal depression buffered 100'. Contains a mix of mature aspen/species and conifer.</p>							
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: River buffer and long term retention for Stand 56.</p>							

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9	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 21. 100' buffer from center of low seasonal drainage and stand split. Contains more conifer and lower, soft ground.							
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Buffer a tree length from future hardwood management. Contains a low seasonal drainage across the stand.							
11	Unavailable	5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Exclude vernal depression with 100' buffer. Long term retention for managed part of Stand 57.							
12	Unavailable	1D: Interest group/neighbor	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Undivided interest.							
14	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Minimum 100' buffer along river. This may expand due to terrain if found during prep to be inoperable.							
15	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Young patch of fir with some aspen and hardwood saplings. Available with the parent stand but retained for regeneration retention.							

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16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold this half of the stand and reevaluate next YOE for aspen age class diversity in the area and young conifer retention.							
18	Unavailable	5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Minimum tree length buffer along flooded alder swale and long term retention for managed portion of Stand 30.							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Flooded black ash drainage emptying into the river.							
20	Unavailable	5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Minimum tree length buffer along flooded alder swale and long term retention for future management of aspen.							
21	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Minimum 100' buffer along the river and can be used as future long term retention for managed aspen areas.							
22	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300' buffer for priority trout stream.							



53	Unavailable	3D: Recreational/scenic values	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access site for Long Lake.							

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	4110 - Sugar Maple Association	Sawtimber Well	135.2	100	141-170	N/A	South half, excluding far south finger (thinned in 1992), was thinned in 2010. Excellent quality maple log stand. Areas with heavier ironwood saplings. Areas with patches of white ash saplings filling in gaps. Very little amount of maple regen across the area. Dense BA found in most areas of the stand. 140 120 140 130 150 160 Average of 140 BA.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		79	Log/Pole/Sap	11	100	White Ash		
Red Maple		2	Log/Pole	13		Ironwood		
Yellow Birch		2	Log	12		Sugar Maple		
Basswood		2	Log	14		Sugar Maple		
White Ash		8	Log/Pole	13		Density		
Paper Birch		1	Log/Pole	11		Avg. Height		
Quaking Aspen		2	Log/Pole	12		Size		
Bigtooth Aspen		2	Log	12				
White Pine		1	XLog	22				
Black Cherry		1	Log	14				
2	4130 - Aspen	Poletimber Well	30.0	29	1-50	N/A		Aspen stand transitioning to pole sized trees. A bit patchier along the north with more quaking aspen. The south 2/3 is heavier to bigtooth. The far west 10 acres was acquired in 2025, more hardwood mixed in but same age aspen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		2	Pole/Sapling	6		Sugar Maple		
Red Maple		5	Pole/Sapling	6		White Spruce		
Paper Birch		3	Pole	6		Red Maple		
Quaking Aspen		30	Pole/Sapling	5	29	Density		
Bigtooth Aspen		60	Pole/Sapling	6	29	Avg. Height		
						Size		
3	4130 - Aspen	Sapling Well	19.0	16	Immature	N/A	Harvested in 2010. Mixed aspen sapling stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		3	Sapling	2	16	Hazelnut (American)		
Quaking Aspen		41	Sapling	3	16	Density		
Bigtooth Aspen		50	Sapling	3	16	Avg. Height		
Balsam Fir		3	Sapling	3	16	Size		
White Pine		3	Log/XLog	14				
4	4133 - Aspen, Mixed Pine	Sapling Well	4.5	27	Immature	N/A	harvested in 1999. Small patch behind private access surrounded by bog area.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Sapling	3	27	White Pine		
Quaking Aspen		70	Sapling/Pole	4	27	Hazelnut (American)		
Balsam Fir		5	Sapling	3	27	Density		
Red Pine		20	Log/Pole/Sap	14	96	Avg. Height		
						Size		
5	6225 - Bog	None	2.7			No	Bog	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
6	4130 - Aspen	Poletimber Well	19.9	46	111-140	N/A	Nice aspen poles with pine mixed in. A large steep bowl in the east has a bog at the bottom, a larger portion around this will need to be excluded from future management.																																																														
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7	42200 - Natural White Pine	Sawtimber Well	17.3	106	141-170	N/A	Unique natural pine stand. Aspen within is the same age as the adjacent stand but smaller diameter due to growing conditions from pine density. The understory is fairly open in a lot of areas with some hazel patches. Most of the red pine component is in the north 1/3 of the stand. A lot of spruce/fir has fallen out or declining. The white pine is dense in areas ranging from smaller pole sized trees up to XL log sized trees and healthy across all size classes but can be very dense in areas.																																																														
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8	4136 - Aspen, Mixed Conifer	Poletimber Well	31.7	39	51-80	N/A	Harvested in 1989. Younger aspen pole stand. Large white pine and red pine scattered across the area. Dense patches of conifer within.																																																														
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9	6120 - Lowland Cedar	Sawtimber Well	27.6	96	141-170	N/A	Dense cedar stand.																																																														
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10	4130 - Aspen	Sapling Well	11.9	8	Immature	N/A	Harvested in 2018. Aspen saplings with some scattered mature pine.																																																																			
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12	4130 - Aspen	Poletimber Well	29.6	39	81-110	N/A	Good quality mixed aspen stand, heavier to quaking. Fairly open understory. Some scattered mature pine within.																																																																			
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13	6122 - Black Spruce	Sapling Medium	96.0	96	51-80	N/A	Large lowland conifer bog. Open areas with stunted trees, barely merchantable size or less diameter.																																																																			
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14	6122 - Black Spruce	Poletimber Well	34.4	96	111-140	N/A	Lowland conifer pole stand. Areas harvested out of stand from past YOE left very little manageable area before transitioning into adjacent stunted lowland bog and/or river corridor.																																																																			
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15	6120 - Lowland Cedar	Poletimber Well	13.7	96	111-140	N/A	Lowland conifer stand dense to cedar.																																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	4130 - Aspen	Poletimber Well	93.3	54	111-140	N/A	Aspen pole stand. Conifer is widely scattered except for dense areas along the west edge and a patch in the east. A few very large oak scattered across the stand and some large pine in the NW corner. Aspen diameter decreases a bit with the elevation in the west half. Some poorer quality hardwood patches are found in the north.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			
Sugar Maple		3	Pole/Sapling	7		Balsam Fir			
Red Maple		3	Pole/Sapling	6		Ironwood			
Basswood		3	Pole	8		Balsam Fir			
Red Oak		1	XLog	22		Sugar Maple			
Paper Birch		1	Pole	8					
Quaking Aspen		76	Pole/Log	9	54				
Bigtooth Aspen		8	Log/Pole	10					
Balsam Fir		3	Pole/Sapling	7					
White Pine		1	XLog	22					
Red Pine		1	XLog	20					
17	4130 - Aspen	Poletimber Well	20.5	36	51-80	N/A		Younger aspen pole stand. Some larger pine along the west edges. Pine and spruce/fir saplings are dense along the west edges. Small open patch in the south is growing in with trees.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			
Red Maple		4	Pole/Sapling	6		White Pine			
Yellow Birch		1	Pole	9		Balsam Fir			
Quaking Aspen		82	Pole/Sapling	6	36				
Balsam Fir		5	Pole/Sapling	5					
Tamarack		2	Pole/Sapling	5					
White Pine		3	XLog	22					
Red Pine		3	Log/Pole	13					
18	4130 - Aspen	Sapling Well	6.4	15	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		5	Sapling	1					
Quaking Aspen		90	Sapling	2	15				
Balsam Fir		5	Sapling	3					
19	4123 - Red Oak	Sawtimber Medium	5.2	100	81-110	N/A	Harvested in 2010, oak was left. Large oak logs, dense in areas, patchy in others. Dead patch of oak in the north appears to be natural pocket mortality with very old dead trees.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			
Red Oak		100	Log/XLog/Pole	17	100	Paper Birch			
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						Sugar Maple			
						Red Maple			



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20	4110 - Sugar Maple Association	Sawtimber Well	127.4	96	141-170	N/A	Thinned in 2010/11, all aspen removed. Good quality hardwood stand. Scattered large diameter oak across the area. Saplings are dense in most areas but vary in species across the stand. The west has fully stocked white ash saplings in the understory with a slightly higher average BA. Some of the only sugar maple regen in the west is under the cleaned out driplines of super canopy oak and can be quite dense. The center and east has more ironwood and some sugar maple saplings in the understory. Area in the far E/NE has a much lighter canopy, more of a shelterwood stocking, this area contains more of the sugar maple sapling understory. West 200 150 140 - Average of 160 BA / East/NE area 110 110 70 - Average of 95 BA, much lighter in patches.																																																																			
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21	4130 - Aspen	Poletimber Well	19.2	49	111-140	N/A	Large pole aspen stand. Stand decreases in elevation with a lower seasonal drainage across the north edge which contains more conifer. Stand wants to grow more hardwood but is poor quality with more moist soil conditions.																																																																			
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23	6122 - Black Spruce	Sapling Poor	25.3	4	Unspecified	N/A	Lowland conifer pockets harvested. Stocking and species vary from each pocket but overall they are starting to grow in better with tamarack and black spruce. These should grow in well with more time. A pocket in the north is elevated and contains fully stocked aspen saplings.																																																																			
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24	6225 - Bog	None	1.1			No	Lowland bog area.																																																																			
25	6225 - Bog	None	33.7			No	Bog																																																																			
26	6229 - Mixed Lowland Shrub	None	9.3			No	Flooded alder flats along river. Contains Chicagon Falls.																																																																			
27	6225 - Bog	None	8.9			No	Open bog area.																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
28	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	19.4	43	141-170	N/A	Smaller pole sized maple with small sawlog basswood, white ash, and aspen poles mixed in. Stand varies from dense poles to a bit larger poles to areas with more aspen mixed in. Slope along the north edge has some terrain and patchier stocking that is growing in with mixed conifer and cherry saplings. 180 130 140 150 Average of 150 BA.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		50	Pole/Sap/Log	7	43	Sugar Maple		
Red Maple		2	Pole/Sapling	7		Medium		
Basswood		10	Log/Pole	11		Low		
White Ash		3	Log/Pole	12		Trace		
Red Oak		1	Log/XLog	17		Variable		
Paper Birch		2	Pole/Sapling	7		Medium		
Quaking Aspen		20	Pole	7	43	Variable		
Bigtooth Aspen		11	Pole	8	43			
Balsam Fir		1	Pole/Sapling	5				
29	4130 - Aspen	Sapling Well	6.0	16	1-50	N/A		Aspen sapling stand with good amount of paper birch. Scattered large oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		2	Log/XLog	16		Paper Birch		
Paper Birch		15	Sapling	2	16	Medium		
Quaking Aspen		83	Sapling	2	16	Variable		
30	4130 - Aspen	Poletimber Well	44.4	46	111-140	N/A	Good quality aspen poles. Dense conifer mixed in. A little higher elevation in the east half has larger diameter trees. A small 2 acre patch in the NE is grown in with fir saplings and a few cherry/aspen saplings.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Log/Pole	10		Red Pine		
Paper Birch		3	Log/Pole	10		Trace		
Quaking Aspen		85	Pole/Log	8	46	Medium		
Bigtooth Aspen		3	Log/Pole	10		Variable		
Balsam Fir		5	Pole/Sapling	7		Medium		
White Pine		2	XLog	20		Variable		
						Low		
						Variable		
31	622 - Lowland Shrub	None	4.3			No	Flooded alder flat along revier.	
32	622 - Lowland Shrub	None	5.0			No	Flooded alder swale with some mixed lowland conifer.	
33	622 - Lowland Shrub	None	8.6			No	Flooded alder flat with some aspen and mixed lowland conifer.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
34	42200 - Natural White Pine	Sawtimber Well	7.1	104	111-140	N/A	Large rocky outcrop pine stand. Evaluate for management when adjacent stand to the north is managed in the future.																																																																					
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35	4130 - Aspen	Poletimber Well	124.7	40	Unspecified	N/A	Stand age was set at 29. Coring and confirming with cutting records, stand was harvested in 1986. Fairly large diameter, good quality aspen for this age. The south 1/3 and along the east average smaller diameter with the decreased elevation. Patches dense with fir and some scattered large oak within. Vernal depressions within will need to be excluded from future management.																																																																					
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36	4110 - Sugar Maple Association	Poletimber Well	43.9	96	111-140	N/A	Excellent quality hardwood stand. Some steeper rolling terrain around the edges. Fairly open understory in most areas. More of a large pole to small sawlog diameter sized stand. 130 110 150 130 130 Average of 130 BA.																																																																					
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37	42210 - Natural Red Pine	Sawtimber Well	0.7	106	141-170	N/A	Sliver of pine between road and lake.																																																																					
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38	42210 - Natural Red Pine	Sawtimber Well	1.5	106	141-170	N/A	Small sliver between road and lake with pine.																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	4110 - Sugar Maple Association	Sawtimber Well	20.9	104	81-110	N/A	Thinned in 2015. Good quality hardwoods. Fairly open understory but contains a bit of white ash and ironwood saplings. Lower BA with room to grow for crowns.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		90	Log/Pole/XLog	12	104	White Ash	
Yellow Birch		5	Log/Pole	13	104	Ironwood	
Basswood		5	Log/Pole	13	104	Sugar Maple	
						Density	Avg. Height
						Medium	Variable
						Medium	Variable
						Trace	Variable
							Size
							Variable
							Variable
							Variable
40	4130 - Aspen	Sapling Well	32.1	10	Immature	N/A	Harvested in 2015. Dense aspen saplings with red maple and conifer mixed in.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		15	Sapling	1	10		
Quaking Aspen		70	Sapling	2	10		
White Spruce		8	Pole/Sapling	5			
White Pine		2	Log/Pole	13			
Black Cherry		5	Sapling	2	10		
41	42210 - Natural Red Pine	Sawtimber Well	3.0	94	171-200	N/A	Dense natural pine patch. Mix from pole size to XL log size trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole/Sap/Log	8	94	Black Spruce	
White Pine		10	XLog/Log/Pole	18		Balsam Fir	
Red Pine		85	Log/XLog/Pole	14	94	White Pine	
						Red Maple	
						Density	Avg. Height
						Low	Variable
						Low	Variable
						Low	Variable
						Low	Variable
							Size
							Variable
							Variable
							Variable
							Variable
42	4110 - Sugar Maple Association	Poletimber Medium	41.0	96	81-110	N/A	Thinned in 2010, heavy aspen component was cut out leaving larger open areas. Central portion has a bit denser hardwood stocking but canopies are still well spaced. The east and west areas have sparser mature hardwoods with dense areas of aspen regeneration from past harvest.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		72	Log/Pole	10	96	White Ash	
Yellow Birch		3	Log/Pole	12		Quaking Aspen	
Basswood		22	Log/Pole	12	96	Bigtooth Aspen	
White Ash		1	Log/Pole/Sap	10	96	Ironwood	
Red Oak		2	XLog	22			
						Density	Avg. Height
						Low	Variable
						High	>20 feet
						Low	>20 feet
						Low	Variable
							Size
							Variable
							>20 feet
							>20 feet
43	4130 - Aspen	Poletimber Well	15.1	49	111-140	N/A	Aspen large pole stand. Bigtooth exists more in the south half while the north half is dominated by quaking. More of a conifer component in the N/NE area. Stand decreases in elevation with a lower seasonal drainage across the center which contains more conifer. Stand wants to grow more hardwood but is poor quality.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		5	Pole/Sap/Log	6		Balsam Fir	
Basswood		3	Pole	7		Ironwood	
White Ash		2	Pole/Sapling	7		Sugar Maple	
Red Oak		1	XLog	24		Balsam Fir	
Paper Birch		5	Pole	8			
Quaking Aspen		75	Pole/Log	9	49		
Bigtooth Aspen		5	Log/Pole	12			
Balsam Fir		2	Pole	7			
Black Cherry		2	Pole	6			
						Density	Avg. Height
						Medium	>20 feet
						Low	Variable
						Medium	>20 feet
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							Variable
							Variable



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
44	4130 - Aspen	Sapling Well	9.6	15	Immature	N/A	Young aspen stand with some conifer mixed in.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		2	Sapling	2	15		
Quaking Aspen		86	Sapling	2	15		
Balsam Fir		10	Pole/Sapling	6			
Black Cherry		2	Pole/Sapling	6			
46	4130 - Aspen	Poletimber Well	42.5	36	81-110	N/A	Harvested in 1990. Aspen pole stand. Denser pockets of mixed conifer.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		2	Pole/Sap/Log	7	36		
Red Maple		2	Pole/Sapling	7			
Basswood		2	Log/Pole	11			
Red Oak		1	Log/XLog	17			
Paper Birch		1	Pole/Sapling	7			
Quaking Aspen		74	Pole	7	36		
Bigtooth Aspen		8	Pole	8			
Balsam Poplar		2	Pole	9			
Balsam Fir		6	Pole/Sapling	5	36		
Black Spruce		2	Pole/Sapling	5	36		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Low	Variable	Variable			
Balsam Fir		Medium	Variable	Variable			
White Spruce		Low	Variable	Variable			
48	4110 - Sugar Maple Association	Sawtimber Well	40.1	96	141-170	N/A	Thinned in 2010. Undivided interest in the past, state fully obtained ownership now. Good quality hardwood stand. Maple is a bit smaller diameter than the adjacent stand to the north averaging small sawlog to large pole sized trees. Gaps across the stand are showing taller, more dense sapling recruitment. White ash and ironwood saplings are dense in areas. The west 1/3 is a west facing slope and contains large diameter red oak. Gaps on the slope show much dense saplings with more sapling diversity. No oak saplings observed. White ash logs are showing decline. 140 170 120 Average of 145 BA.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		63	Log/Pole/XLog	10	96		
Basswood		20	Log/XLog/Pole	15	96		
White Ash		7	Log/XLog/Pole	16	96		
Red Oak		10	Log/XLog	17	96		
Sub-Canopy Species		Density	Avg. Height	Size			
Black Cherry		Trace	Variable	Variable			
Yellow Birch		Low	Variable	Variable			
Quaking Aspen		Low	Variable	Variable			
White Ash		High	Variable	Variable			
Red Maple		Low	Variable	Variable			
White Spruce		Low	Variable	Variable			
Ironwood		Low	Variable	Variable			
51	4130 - Aspen	Sapling Well	19.6	16	Immature	N/A	Harvested in 2010. Mixed aspen sapling stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		3	Sapling	2	16		
Quaking Aspen		41	Sapling	3	16		
Bigtooth Aspen		50	Sapling	3	16		
Balsam Fir		3	Sapling	3	16		
White Pine		3	Log/XLog	14			
Sub-Canopy Species		Density	Avg. Height	Size			
Hazelnut (American)		Low	5 - 10 feet	5 - 10 feet			
53	122 - Road/Parking Lot	None	1.1			No	Long Lake public access site.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																			
56	4130 - Aspen	Sapling Medium	14.4	4	Immature	N/A	Aspen sapling with some red maple stump sprouting mixed in. Patchy regen in spots but overall should be fully stocked with more time. Dense natural red pine patch in the SW corner left unmanaged.																																																																																																			
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57	4130 - Aspen	Poletimber Well	83.2	43	81-110	N/A	Nice quality aspen pole stand. Very low conifer component except for along the W/NW edge and the far east 1/3 of the stand. Adjacent stand to the south is a bit younger with smaller average diameters. Areas of higher elevation and ridges have grown into more of hardwood stands and broken out for management, although containing a fair amount of aspen in some of those areas areas. Larger diameter trees in the central portion of the stand, slightly tapering down in diameter with lower elevation.																																																																																																			
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58	4130 - Aspen	Sapling Well	13.9	4	Immature	N/A	Aspen sapling stand. South patch contains some mature pine and more conifer saplings with a bit patchier aspen/hardwood regen.																																																																																																			
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59	4130 - Aspen	Sapling Well	24.3	21	Immature	N/A	Dense aspen stand. Areas in the south was merged for future management and contains mature some mature aspen, hardwood, conifer, and open patches that are filling in with mixed species.																																																																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
60	6139 - Mixed Lowland Forest	Poletimber Well	13.7	104	81-110	N/A	The west is a flooded black ash swale and can not be operated in. Manageable areas in the east 2/3 were harvested in the past and contain small pole sized aspen and lowland conifer. Patches of this stand may be managed in the future with adjacent harvests. Areas in the east also contain flooded alder patches.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Log/Pole	10	104	Alder		
Quaking Aspen		10	Pole/Sapling	5	36	Medium		
Balsam Fir		5	Pole	8	104	5 - 10 feet		
Black Spruce		10	Pole/Sap/Log	8	104	5 - 10 feet		
Northern White Cedar		5	Log/Pole	10	104			
Tamarack		27	Pole/Sapling	6	36			
White Pine		3	Log/Pole/XLog	16				
Black Ash		35	Pole/Log/Sap	8	104			
63	4110 - Sugar Maple Association	Sawtimber Well	59.4	104	111-140	N/A	Thinned in 2001 and 2015. Good quality hardwood log stand. Gaps created across the stand are showing saplings but are dominated by white ash and ironwood. A few scattered large diameter oak within. Dense patches over 130 BA are present, other areas range from 100 - 120 BA. 130 110 130 130 100 Average of 120 BA.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		77	Log/Pole/XLog	13	104	Sugar Maple		
Red Maple		4	Log/Pole	12	104	Low		
Yellow Birch		4	Log/Pole	13	104	Variable		
Basswood		10	Log/Pole	13	104	Variable		
White Ash		2	Log/Pole	12	104	Variable		
Quaking Aspen		3	Pole	8		Variable		
66	4136 - Aspen, Mixed Conifer	Sapling Well	20.2	12	Immature	N/A	Harvested in 2015. Harvested to 2" spec retaining spruce/fir 6"+ and all pine, cedar, hemlock, and oak.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Oak		1	Log	14		Black Spruce		
Quaking Aspen		78	Sapling	2	12	Low		
Balsam Fir		5	Pole/Sapling	6		Variable		
White Spruce		2	Pole/Sapling	6		Variable		
Black Spruce		7	Sapling/Pole	3		Variable		
67	6121 - Tamarack	Poletimber Well	7.0	96	111-140	N/A	Lowland conifer stand. Very soft ground. Drainage corridor for surrounding upland stands. This stand should be retained to avoid BMP damage.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		40	Pole/Log	8	96	Black Spruce		
Northern White Cedar		10	Pole/Log	8	96	Low		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
68	4130 - Aspen	Sapling Well	19.7	12	Immature	N/A	Harvested in 2015. Dense aspen saplings with some conifer regen and mixed mature white pine across the stand.																																										
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69	6120 - Lowland Cedar	Sawtimber Well	4.9	104	81-110	N/A	Flooded lowland conifer patch with cedar and alder across the area.																																										
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70	6120 - Lowland Cedar	Sawtimber Medium	5.8	104	81-110	N/A	Flooded lowland drainage. Contains alder and tamarack west and more cedar east.																																										
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