

Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12043 Entry Year 2027 Acreage: 1,952

County: Dickinson

Management Area: Ralph Moraine

Stand Examiner: Deb Goupell

Legal Description:

T43N R29W sections 4, 6 - 11, 14 - 17

Identified Planning Goals:

Manage all forested cover types on a sustainable yield. Develop an age class distribution within aspen cover type as directed by SFMP management plan, prescribing for harvest by age 50. Encourage diversity and conifers where possible.

Soil and topography:

Fine sandy loams, sands, and muck soils. The eastern end of the compartment has a higher incidence of wet soils.

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

Private lands intersperse the compartment, both private individuals and industrial forest. Active forest management has occurred and will continue within and surrounding the compartment.

Unique Natural Features:

None identified

Archeological, Historical, and Cultural Features:

None recorded

Special Management Designations or Considerations:

High priority trout streams

Watershed and Fisheries Considerations:

This compartment contains Two Mile Creek, Turner Creek, and the Main Branch Ford River. Two Mile Creek, Turner Creek, and the Main Branch Ford River are designated Type 1 trout streams less than 50 feet wide with predicted mean July water temperatures that range from 62.8 to 66.4°F (cold streams). A 300-foot buffer is recommended for Two Mile Creek, Turner Creek, and the Main Branch Ford River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100 feet, plus 5 feet per 1% increase in slope, riparian management zone is recommended to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

The abundance of lowland conifer coupled with the interspersion of aspen and hardwoods provides good habitat for ruffed grouse and snowshoe hare. This area is also highly important for black bear due to the black ash stands throughout. The three rivers, the Ford River, Turner Creek and Two Mile Creek comprising the north, south and west boundaries of this compartment provide excellent habitat for many aquatic furbearers such as beaver, otter, mink and muskrat, as well as, several species of turtles, salamanders and frogs.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. No active sand/gravel operations are known to exist in the area. There is some good potential for development of sand & gravel within the compartment on the uplands, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much value beyond use by the county road commission or DNR for local road maintenance. Some test drilling of an intrusion – mainly under former State mineral leases – for nickel, copper, and platinum group metals occurred in the eastern end of the compartment in 2012. The results of that exploration work are not currently available. Additional past test drilling for iron ore was completed just north of the compartment, and there are active State metallic mineral leases a couple miles northeast. Aside from the intrusion noted above, available geophysical data does not indicate significant potential for future targets of metallic mineral exploration beneath the compartment. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access is good to fair depending on the area of the compartment. There are several blocks within the compartment that 11/07/2025 12:05:17 PM - Page 1 of 2

have poor to no access unless through private. Turner Road provides access on south; woods road that goes south off Fire Tower Rd/Two Mile Ck Rd connects to Turner but passes through private that occasionally has gate closed on south end.

Survey Needs:

T43N R29W Sec 4 & 10

Recreational Facilities and Opportunities:

Snowmobile trail runs through compartment

Fire Protection:

Felch protection area

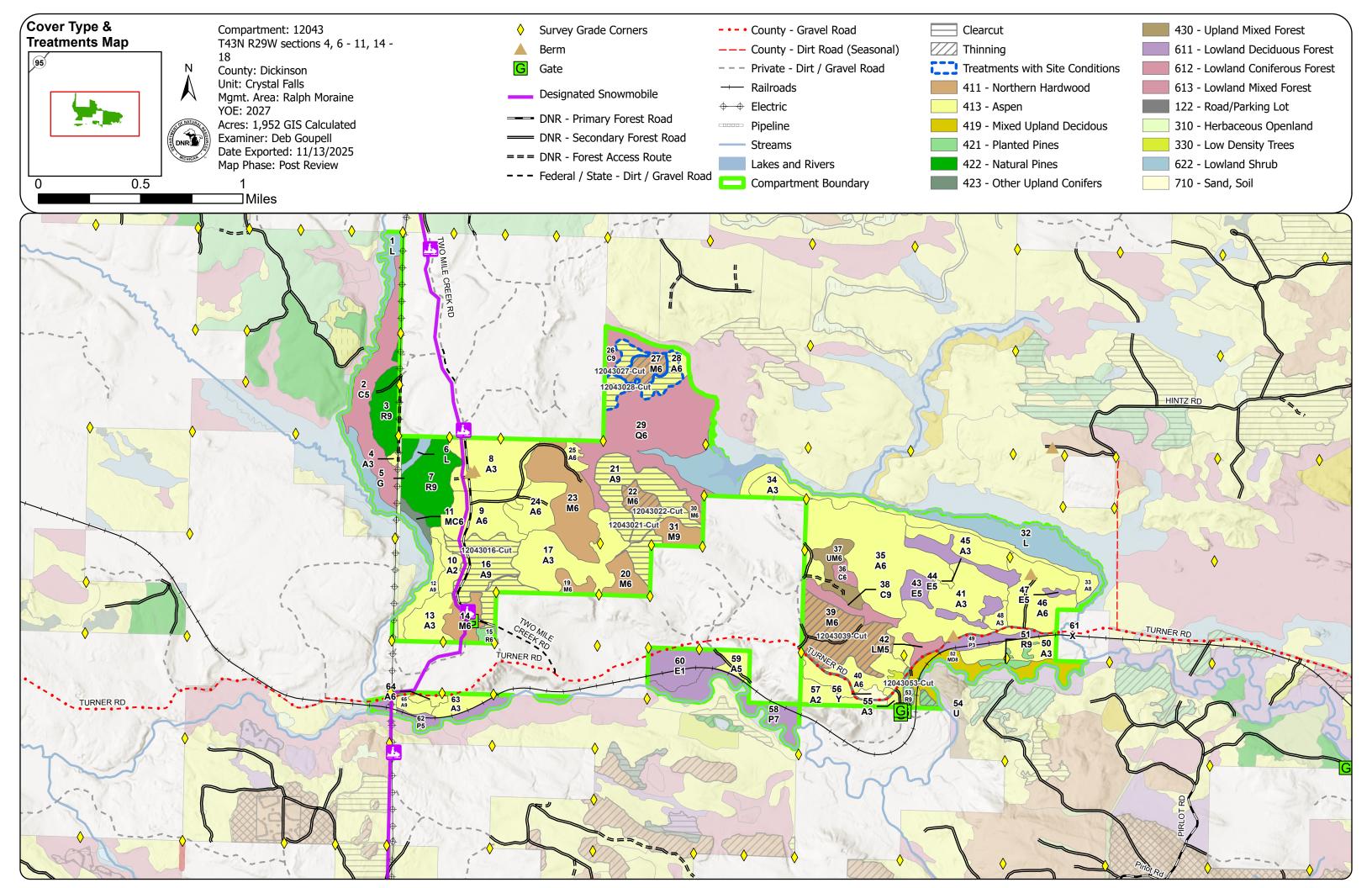
Additional Compartment Information:

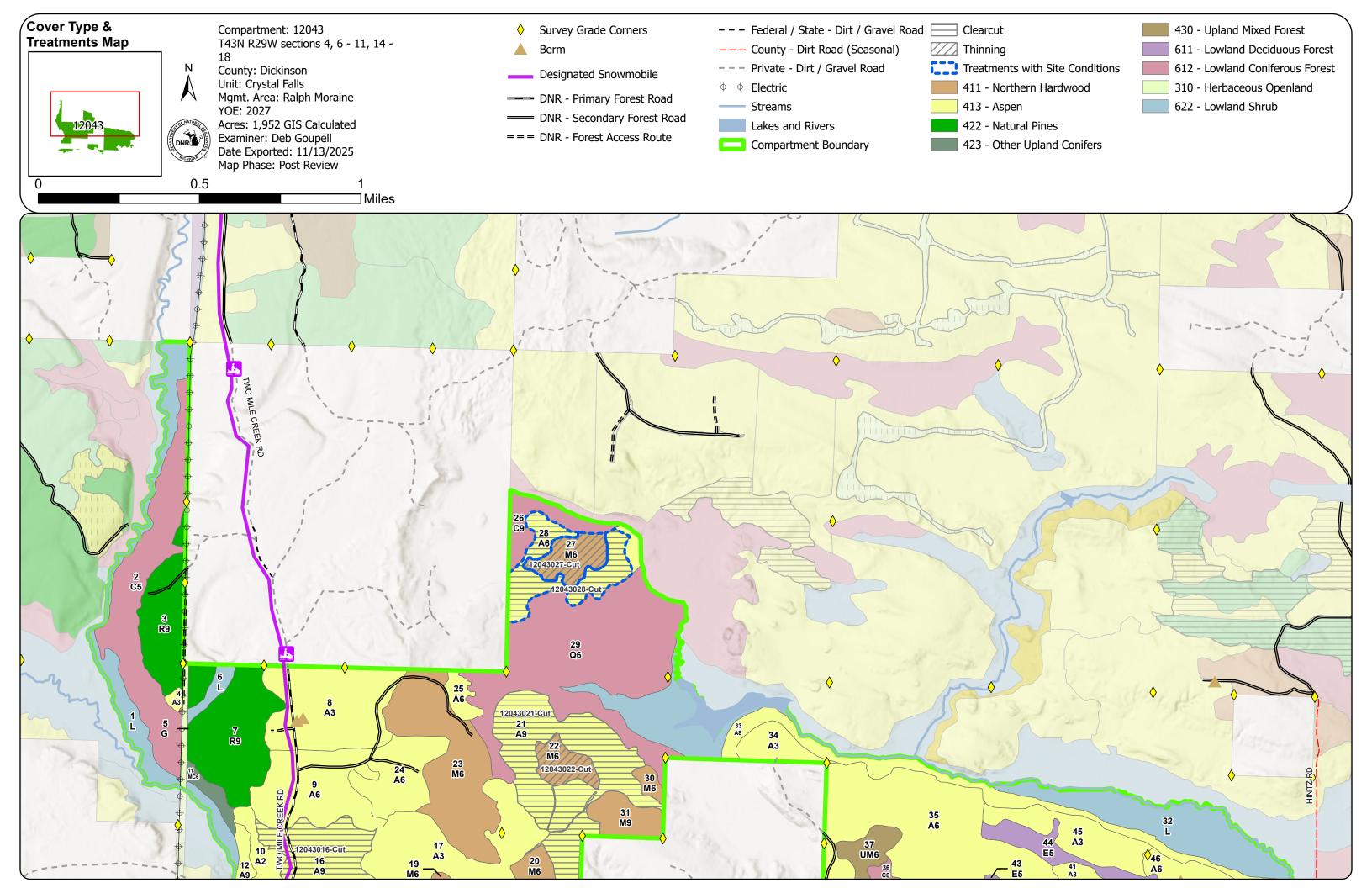
The following reports from the Inventory are attached:

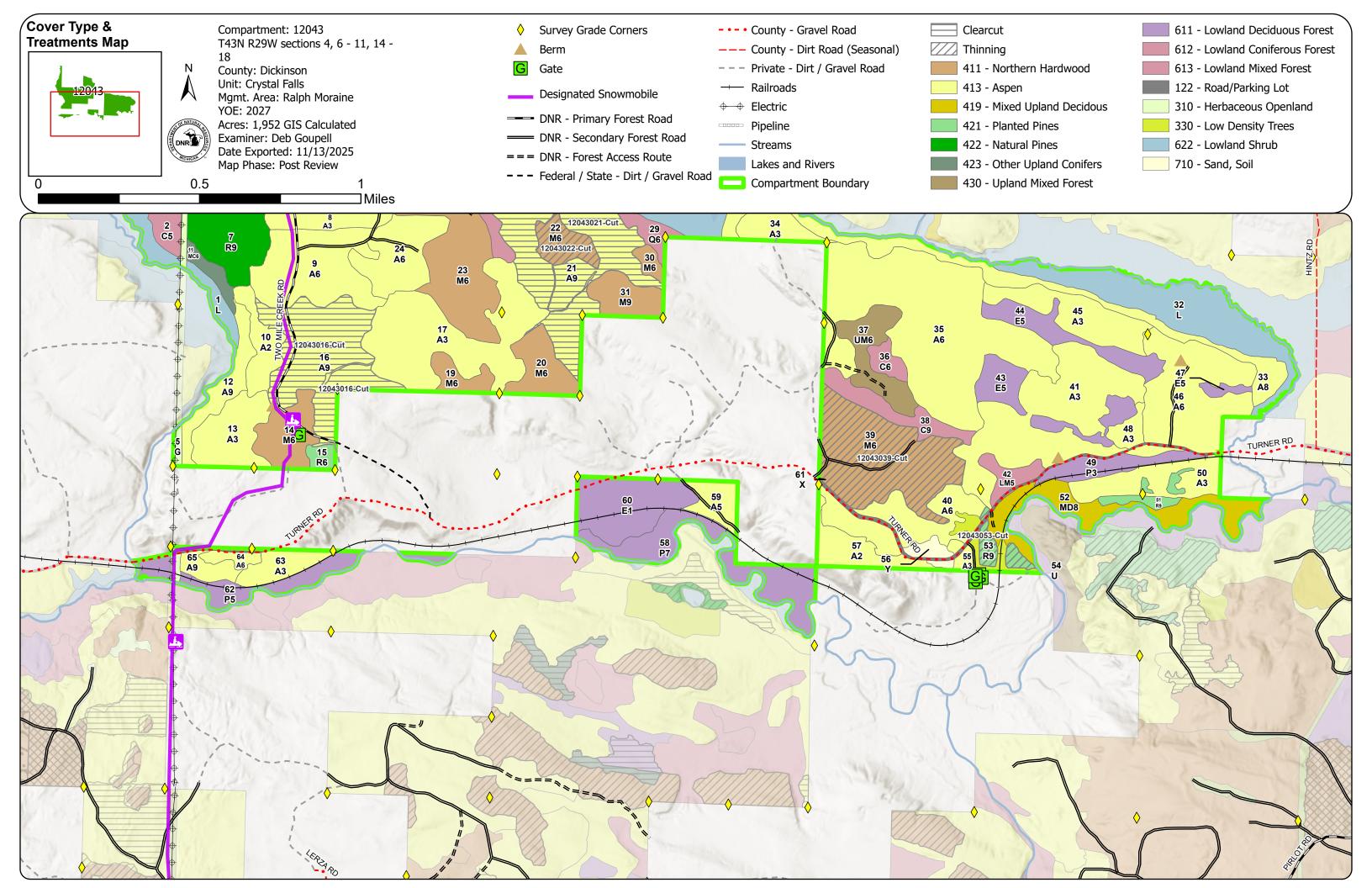
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

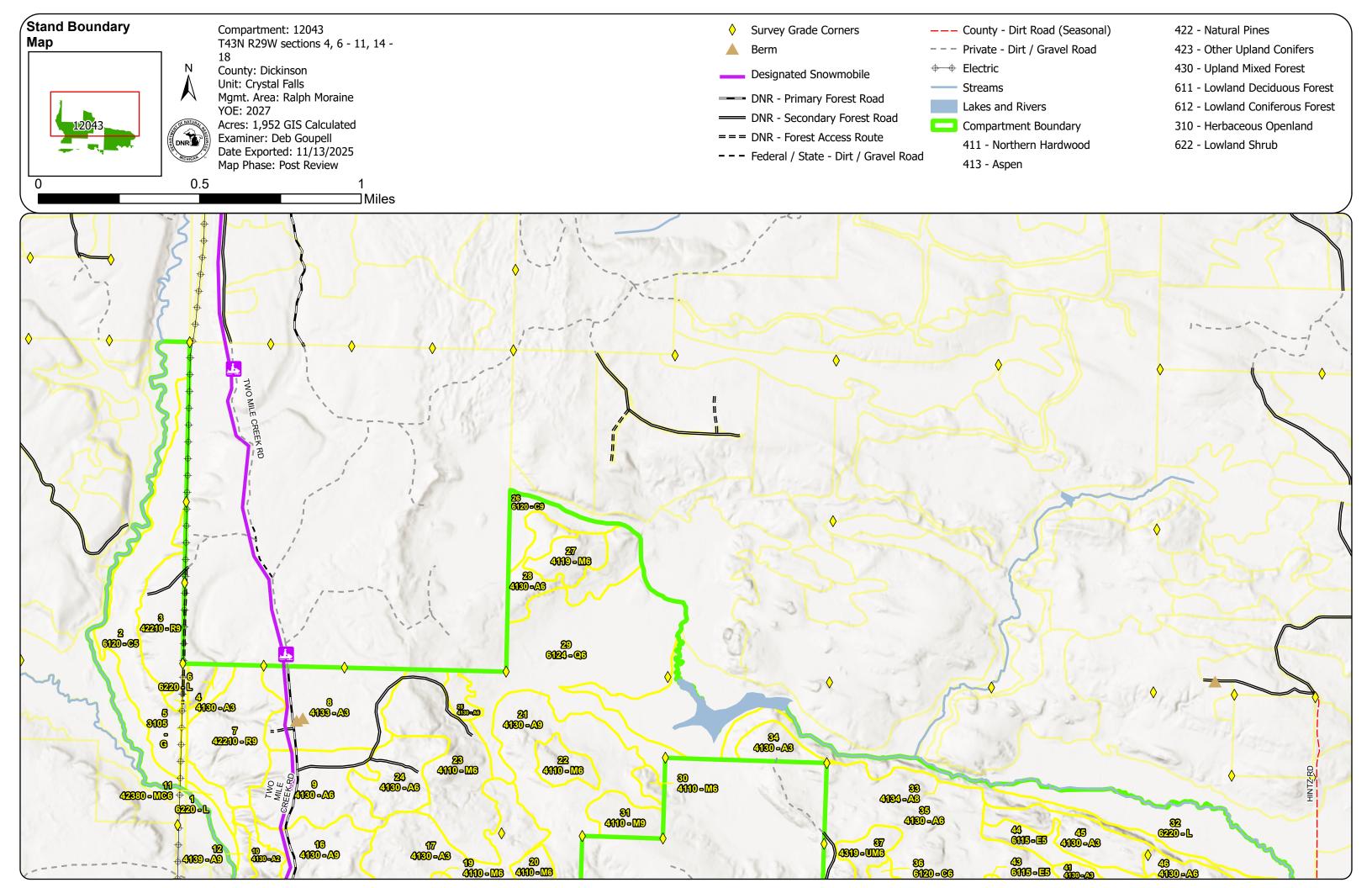
The following information is displayed, where pertinent, on the attached compartment maps:

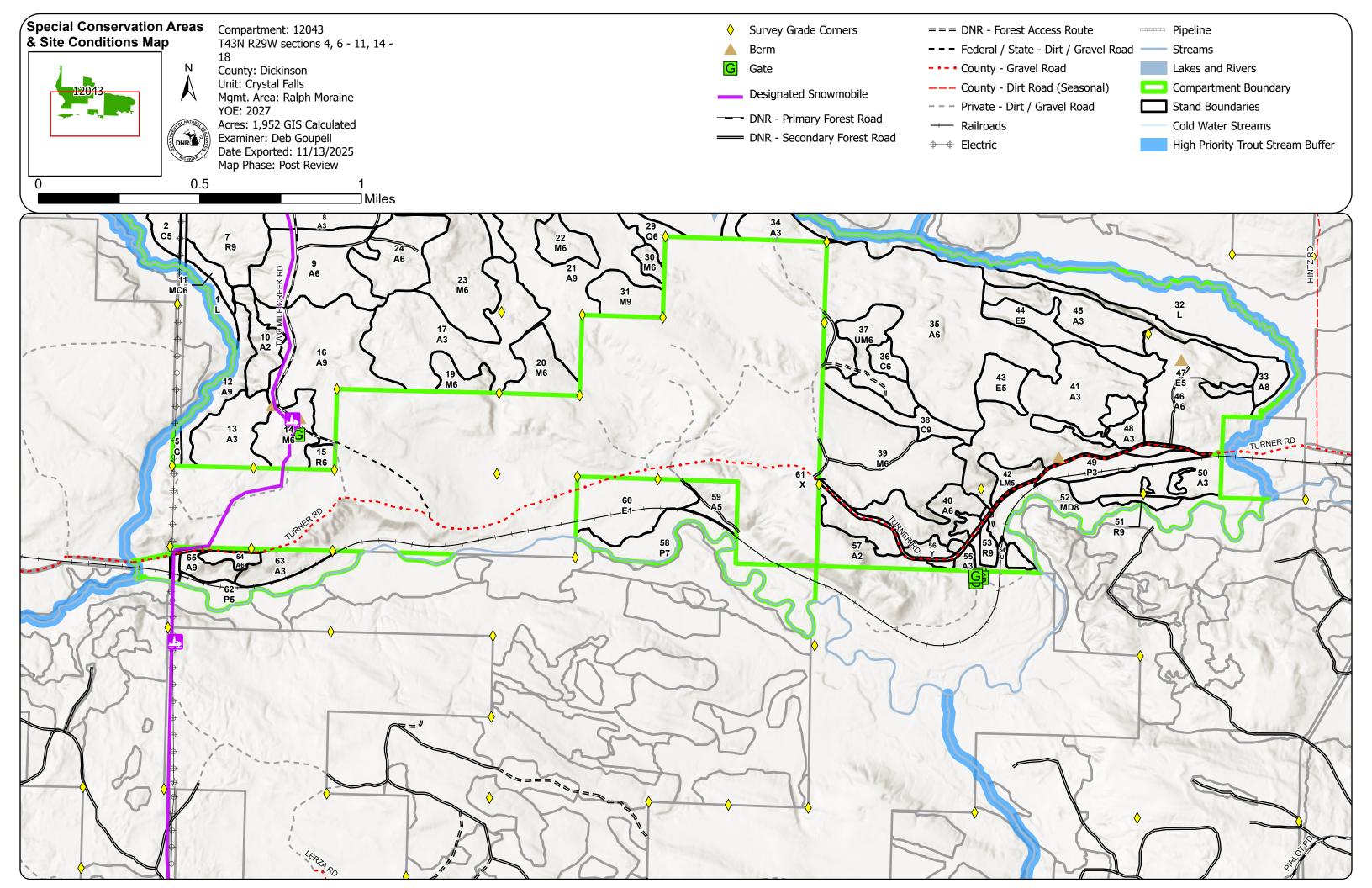
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

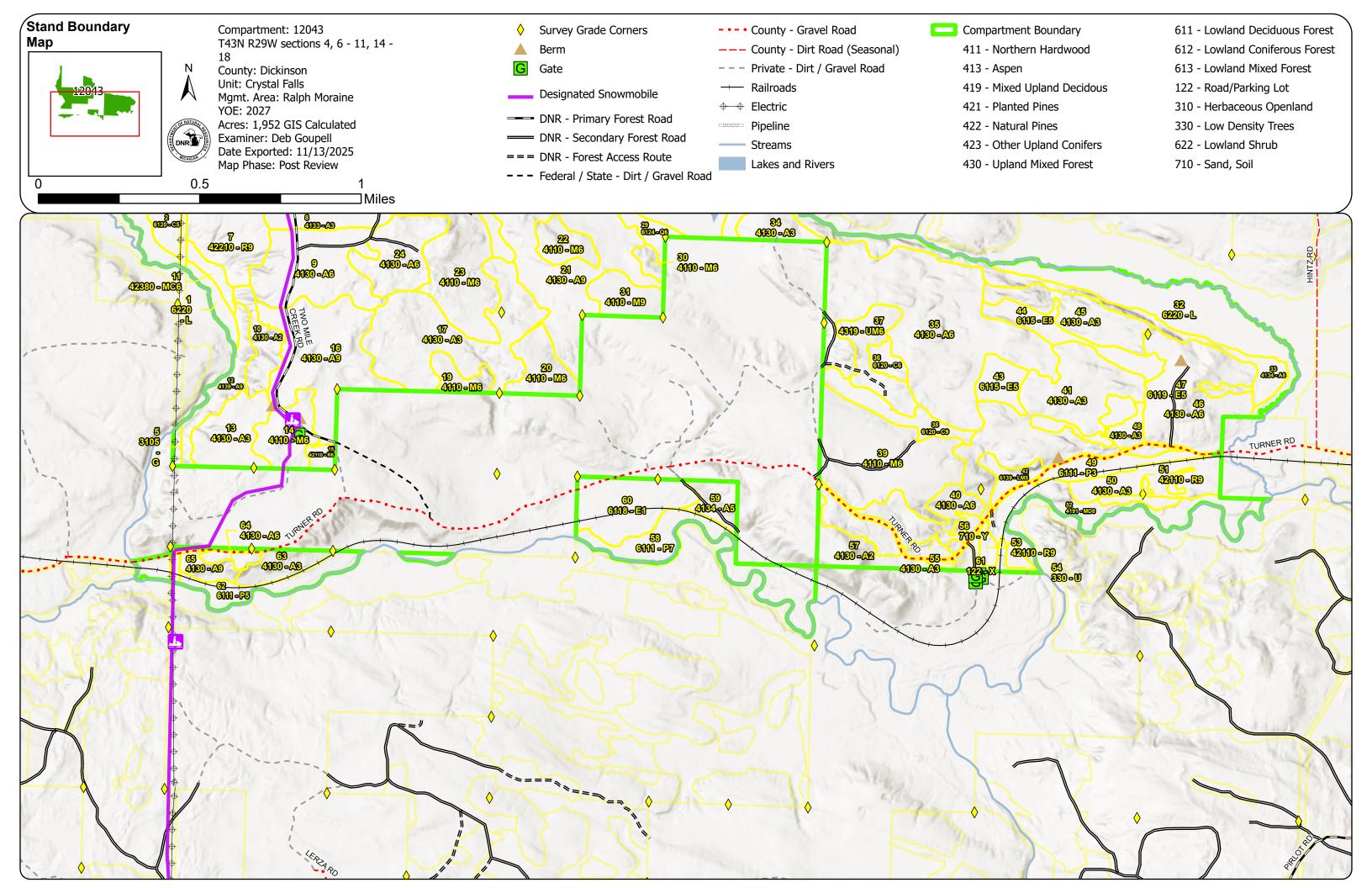


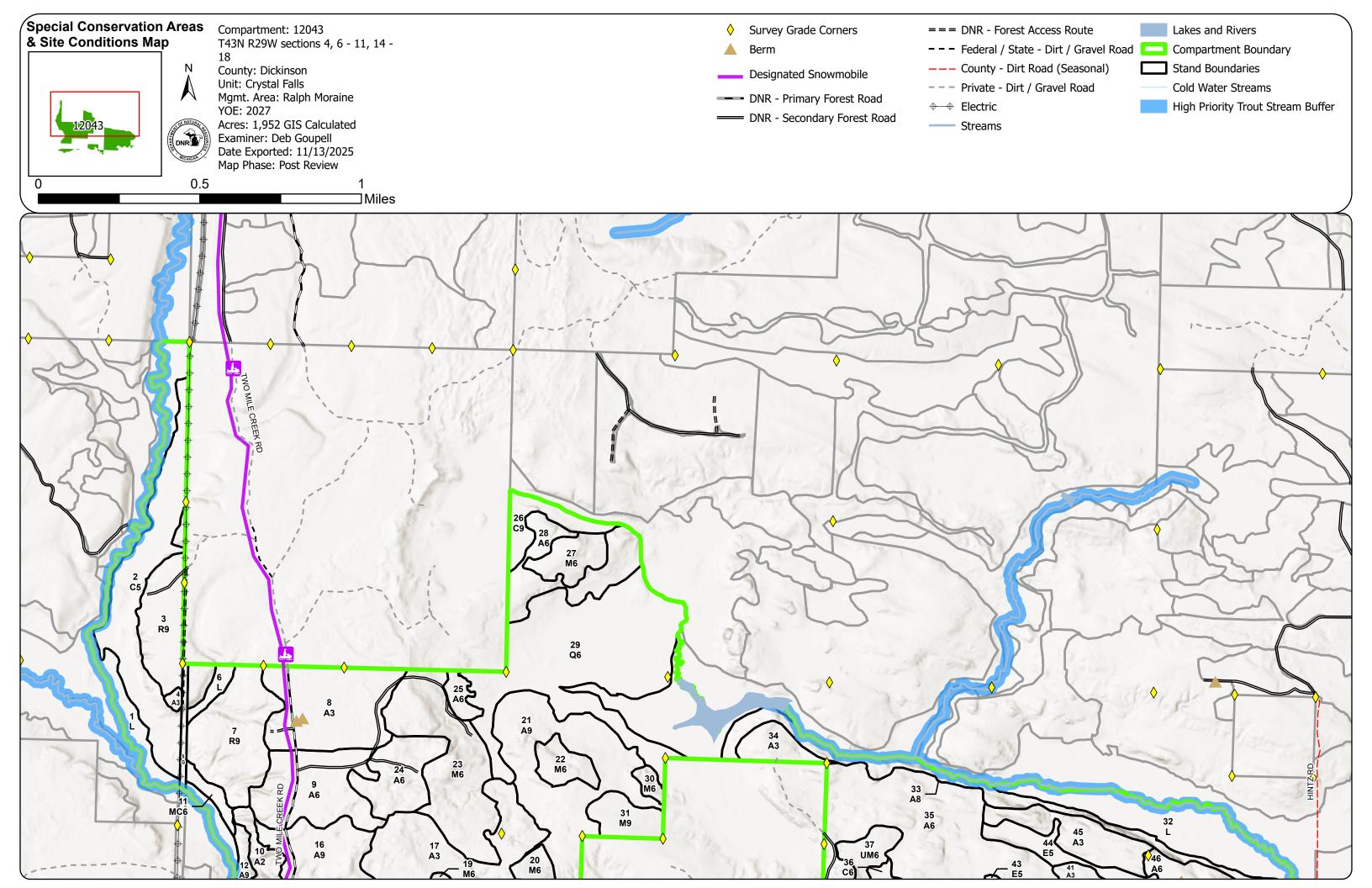












Compartment 43 Year of Entry 2027

Crystal Falls Mgt. Unit Deb Goupell: Examiner



Age Class

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Aspen	0	119	123	132	279	82	0	155	44	18	0	0	0	0	0	0	0	0	952
Cedar	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	6	110
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	14	0	0	0	0	0	66	0	0	0	0	0	0	0	0	0	80
Lowland Conifers	0	0	0	0	0	0	0	0	0	134	0	0	0	0	0	0	0	0	134
Lowland Deciduous	0	36	0	0	0	23	22	0	0	0	0	0	0	0	0	0	0	0	81
Lowland Mixed Forest	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Lowland Shrub	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	36
Northern Hardwood	0	0	0	0	0	0	0	69	93	71	4	0	0	0	0	0	0	0	237
Red Pine	0	0	0	0	0	4	14	39	0	51	0	0	0	0	0	0	0	0	108
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Conifers	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	22
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	180	155	137	132	279	109	36	277	261	274	4	104	0	0	0	0	0	6	1953



Report 2 – Treatment Summary

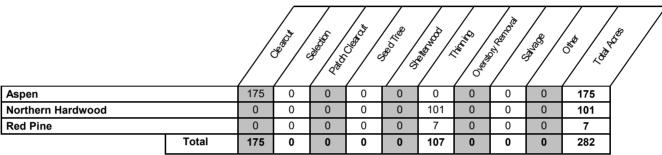
Crystal Falls Mgt. Unit Year of Entry: 2027

Acres of Harvest

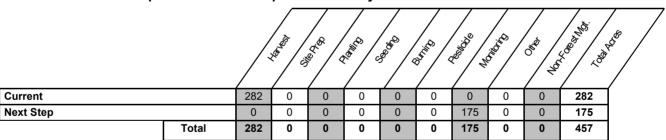
Compartment 43
Total Compartment Acres: 1,952

Commercial Harvest - 379 Harvests with Site Condition - 79 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Crystal Falls Mgt. Unit

Report 3 -- Treatments

Compartment: 12043 Year of Entry: 2027

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Treatment Acres Name

Stand CoverType

Size Density

Stand Age

BA **Treatment** Range Type

Treatment Method

Cover Type Objective

Age Structure

Planting

Record

Habitat Cut

Approved Treatments:

12043016-Cut 62.1 4130 - Aspen 9 Unspec Harvest Clearcut 413 - Aspen

ified

No

Prescription Final harvest 3" and up retaining cedar, white pine, red pine, hemlock, oak if found. Leave representation of overstory trees for diversity, per

WLD. (green tree while cruising). Use snowmobile specs Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed softwood, mixed hardwood

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

12043021-Cut 82.2 Planting 4130 - Aspen 9 Unspec Harvest Clearcut 413 - Aspen No ified Record

Prescription Final harvest 3 " spec leaving white pine, red pine, cedar, hemlock, oak if found. Move retention from west lobe to along swamp edge to

retain more conifer. Mark some overstory trees for representation in vertical structure for diversity (green tree while Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable aspen, mixed hardwood, mixed softwood

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

22 12043022-Cut 12.6 4110 - Sugar Maple 69 111-Harvest **Thinning** 411 - Northern **Planting** No Association 140 Hardwood Record

Prescription Thin to 70 following Compleat Marker guidelines

Specs:

Next Step

Treatments:

<u>Acceptable</u> Regen:

<u>Other</u>

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 12043 s Year of Entry: 2027 t а **Treatment** Size Stand BA **Treatment Treatment** Cover Type Acres Stand Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d 27 12043027-Cut 16.7 4119 - Mixed 141-Harvest Thinning 411 - Northern Planting No Northern Hardwoods 170 Hardwood Record Prescription Thin to 80 following Compleat Marker guidelines. May need snowmobile specs depending on harvest time. Specs: Next Step Treatments: <u>Acceptable</u> Regen: Other this stand was marked 20 years ago and may need different color paint vs orange Comment: Site Condition: Denied Access Proposed Start Date: 10/01/2026 413 - Aspen **Planting** 12043028-Cut 30.7 4130 - Aspen 6 46 Unspec Harvest Clearcut Nο ified Record Prescription Final harvest 3" and up retaining cedar, white pine, red pine, oak, hemlock if found. Retain some maple overstory trees (green tree while cruising). Use snowmobile spec Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments Acceptable aspen, mixed hardwood, mixed softwood Regen: Other 1 Comment: Site Condition: Denied Access Proposed Start Date: 10/01/2026 12043039-Cut 71.2 4110 - Sugar Maple 111-Harvest Thinning 411 - Northern **Planting** No Association 140 Hardwood Record Prescription Thin to 60-80 BA following Compleat Marker. East half of stand was thinned in 2010 and has lower starting BAs. West half was last thinned in 2000 Turner Hawk TS where basswood is not doing well. Concentrate removal on basswood that is unlikely to make nex Specs: Next Step Treatments: <u>Acceptable</u> Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/01/2026 4211 - Planted 42110 - Planted 111-Thinning 12043053-Cut 6.9 9 54 Harvest **Planting** No Red Pine 140 Red Pine Record

Prescription Thin to 100 BA favoring crown release of best crop tree in place. Wood turtle guidance indicates no cutting April 1-Nov 1.

Specs:

Next Step

Treatments:

Acceptable Regen:

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Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 12043 s t Year of Entry: 2027 а Cover Type Objective Age Structure **Treatment** Acres Stand Size Stand BA Treatment Treatment Habitat n CoverType Density Age Method Name Range Type Cut d

Total Treatment Acreage Proposed: 282.4

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Compartment: 43 Year of Entry: 2027 Deb Goupell: Examiner



Total	Acres	Acres Avail	Acres	D	omina	nt Sit	e Con	dition	S		
Acres	Available	With Condition	Not Available		2A	2F	2G	3J	3L	5A	5E
872	762	0	110	Aspen	31	5		23			5
110	0	0	110	Cedar				87	22		
1	0	0	1	Herbaceous Openland				1			
7	7	0	0	Low-Density Trees							
77	14	0	63	Lowland Aspen/Balsam Poplar				63			
133	0	0	133	Lowland Conifers				133			
54	0	0	54	Lowland Deciduous			44	2		8	
8	0	0	8	Lowland Mixed Forest			8				
149	149	0	0	Lowland Shrub							
33	0	0	33	Mixed Upland Deciduous				33			
237	220	0	17	Northern Hardwood	17						
102	101	0	1	Red Pine				1			
5	5	0	0	Sand, Soil							
6	0	0	6	Upland Conifers				6			
22	22	0	0	Upland Mixed Forest							
10	10	0	0	Urban							
1,826	1,290		536	Total Forested Acres	47	5	52	350	22	8	5
	71%		29%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	352	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	53	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: very wet b ash swal	es with drainages					

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell: Examiner



3	Unavailable	5E: Long-Term Retention	1	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	5E: Long-Term Retention	2	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: west half of stand is	s too steep; the south and south	n east	piece is 300 ft buffer to strear	m		
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	2A: Adjacent landowner denied access	47	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stands were slated	for harvest last rotation, but ac	cess w	/as denied.			
9	Unavailable	5A: Not able to obtain desirable regeneration	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: Cedar pockets unc	ut from Salmagundi TS cut 202	0				
12	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell: Examiner



13	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	5E: Long-Term Retention	45	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	3L: Other wildlife concerns	22	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Mgt. Unit Compartment: #Type!
Year of Entry:

Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Stan	d Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
1	6220 - A	lder/Willow		Noi	ne	43.2			No	0	tag alder/willow adjacent to Two Mile Creek. scattered associated tamarack
2	6120 - Lov	wland Ceda	ar Pol	etimbe	r Mediun	n 71.1	108 l	Unspecified	N/A	A	mixed lowland conifer stand. areas heavier to cedar with transitional
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	areas more highly stocked to black spruce with tag alder thickets in between.
	Paper Birch	5	Pole	6		Black	k Spruce	Low	10 - 20 feet	10 - 20 feet	both son.
	Black Spruce	30	Pole	7		Tag	g Alder	High	5 - 10 feet	5 - 10 feet	
N	orthern White Cedar	50	Log	12	108						•
	Tamarack	15	Pole/Sapling	6							
3	42210 - Nat	ural Red P	ine S	awtimb	er Well	38.8	67	81-110	N/	A	Cut in November 2019 under the Salmagundi timber sale (12-026-17)
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	lower BA to North.
	White Pine	10	Log	14			e Spruce	Medium	10 - 20 feet	10 - 20 feet	
	Red Pine	90	Log/Pole	10	67	Blacl	k Spruce	Low	10 - 20 feet	10 - 20 feet	
			-			Hazelnı	ut (Beaked)	Medium	5 - 10 feet	5 - 10 feet	
						Quaki	ng Aspen	Low	5 - 10 feet	5 - 10 feet	
						Wh	ite Pine	Medium	5 - 10 feet	5 - 10 feet	
4	4130	- Aspen		Sapling	g Well	1.7	24	Immature	N/A	A	Cut with Highline Pine TS 2001
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	90	Sapling	2	24		e Spruce	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	5	Pole/Sapling	6							1
	Red Pine	5	Log/Pole	10							
5	3105 - Mixed Սր	oland Herba	aceous	Nor	ne	8.5			No	0	transmission line
6	6220 - A	lder/Willow		Nor	ne	5.3			No	0	tag alder/willow
7	42210 - Nat	ural Red P	ine S	awtimb	er Well	50.9	82	81-110	N/.	A	Cut in October 2019 as part of the Salmagundi timber sale.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	White Pine	10	Pole/Log	9		White	e Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Red Pine	90	Log/Pole	12	82	Wh	ite Pine	Medium	5 - 10 feet	5 - 10 feet	
						Re	d Pine	Low	< 5 feet	< 5 feet	
						Hazelnı	ut (Beaked)	High	5 - 10 feet	5 - 10 feet	
8	4133 - Aspe	en, Mixed P	ine	Sapling	g Well	61.6	26	Immature	N/.	A	Aspen 2-6" dbh. fair component of r pine. Jail TS cut 1999. Most of
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	merchantable spruce 4" and up is concentrated alongside roads. More sugar/red maple in far north in understory
	Red Maple	5	Sapling	4		White	e Spruce	Medium	Variable	Variable	
	Quaking Aspen	70	Sapling	4	26	Red	d Maple	Medium	Variable	Variable	
	White Pine	5	Pole	8		Hazelnı	ut (Beaked)	Full	5 - 10 feet	5 - 10 feet	
		20		16							



Stan	d Level 4 Ce	over Type	;	Size De	nsity	Acres S	tand Age B	A Range	Managed S	te	General Comments
9	4130	- Aspen			er Well	49.9	31	Immature	N/A		Aspen 3-6" dbh. small inclusion of red pine in NW corner; very scattered conifer in understory. Two Mile Ck TS cut 1987
	Canopy Species		Size Class		Age		py Species	Density	Avg. Height	Size	scattered conner in understory. Two Mile Ok 10 out 1507
	Quaking Aspen	85	Pole/Sapling	6	31	Hazelnut	(Beaked)	Full	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Pole/Sapling	7		White	Spruce	Low	Variable	Variable	
	Red Pine	5	Log/Pole/Sap	10		Blackberry	/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
	Black Cherry	5	Pole/Sapling	5		Black	Cherry	Medium	Variable	Variable	
10	4130	- Aspen	S	apling I	/ledium	15.2	4 U	Inspecified	N/A		Residual paper birch and pine varying in density. Cut in October 2019
	Canopy Species	% Cover	Size Class	DBH	Age						under the Salmagundi timber sale (12-026-17)
	Red Maple	30	Sapling	1							
	Quaking Aspen	70	Sapling	1	4						
11	42380 - Non Pine U Deci	Ipland Conit	fer, Mixed P	oletimb	er Well	6.0	63	81-110	N/A		Stand is within 300 ft buffer Two Mile Ck
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	
	Quaking Aspen	30	Log/Pole	10		Black S	Spruce	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	10	Log	12							
	Black Spruce	45	Pole	7	63						
	Tamarack	5	Pole	8							
	White Pine	5	XLog	18							
	Red Pine	5	Log	14							
12	4139 - Aspen,	Mixed Decid	duous S	awtimb	er Well	17.5	88 U	Inspecified	N/A		Overmature aspen; red maple very low quality. hills throughout
	Canopy Species	% Cover						•	,,		
	Red Maple	/0 OOVC	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	
	Red Maple	20	Size Class Pole	DB F	Age	Sub-Cano Hazelnut		Density Full		Size 5 - 10 feet	
	Paper Birch				Age		(Beaked)		Avg. Height		
	<u>'</u>	20	Pole	8	Age 88	Hazelnut	(Beaked) Spruce	Full	Avg. Height 5 - 10 feet	5 - 10 feet	
	Paper Birch	20	Pole Pole/Log	8 9		Hazelnut White	(Beaked) Spruce	Full Medium	Avg. Height 5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet	
	Paper Birch Quaking Aspen	20 10 55	Pole Pole/Log Log/Pole	8 9 11		Hazelnut White	(Beaked) Spruce	Full Medium	Avg. Height 5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet	
13	Paper Birch Quaking Aspen White Pine Red Pine	20 10 55 10	Pole Pole/Log Log/Pole Log/Pole	8 9 11 10	88	Hazelnut White	(Beaked) Spruce /Raspberry	Full Medium	Avg. Height 5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet	Jail TS cut 1999
13	Paper Birch Quaking Aspen White Pine Red Pine	20 10 55 10 5	Pole Pole/Log Log/Pole Log/Pole	8 9 11 10 10 Sapling	88	Hazelnut White S Blackberry	(Beaked) Spruce /Raspberry	Full Medium High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet	Jail TS cut 1999
13	Paper Birch Quaking Aspen White Pine Red Pine 4130	20 10 55 10 5	Pole Pole/Log Log/Pole Log/Pole Log/Pole	8 9 11 10 10 Sapling	88 Well	Hazelnut White S Blackberry	(Beaked) Spruce /Raspberry 25 py Species	Full Medium High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	5 - 10 feet 5 - 10 feet 5 - 10 feet	Jail TS cut 1999
13	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species	20 10 55 10 5 - Aspen	Pole Pole/Log Log/Pole Log/Pole Log/Pole	8 9 11 10 10 Sapling	88 Well	Hazelnut White S Blackberry	(Beaked) Spruce /Raspberry 25 py Species	Full Medium High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	5 - 10 feet 5 - 10 feet 5 - 10 feet Size	Jail TS cut 1999
13	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling	8 9 11 10 10 Sapling DBH 3	88 Well	Hazelnut White S Blackberry	(Beaked) Spruce /Raspberry 25 py Species	Full Medium High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	5 - 10 feet 5 - 10 feet 5 - 10 feet Size	Jail TS cut 1999
13	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen White Spruce	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling Sapling Sapling	8 9 11 10 10 Saplino DBH 3 3	88 Well Age 25	Hazelnut White S Blackberry 26.7 Sub-Cano Hazelnut	(Beaked) Spruce //Raspberry 25 py Species (Beaked)	Full Medium High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	5 - 10 feet 5 - 10 feet 5 - 10 feet Size 5 - 10 feet	Jail TS cut 1999 Thinned 2020 Salmagundi TS. Paper birch is breaking up
	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen White Spruce Black Cherry	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling Sapling Sapling	8 9 11 10 10 Sapling DBH 3 3 2 Coletimb	88 Well Age 25	Hazelnut White S Blackberry 26.7 Sub-Cano Hazelnut	(Beaked) Spruce /Raspberry 25 py Species (Beaked)	Full Medium High Immature Density Full	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet Size 5 - 10 feet	
	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen White Spruce Black Cherry 4110 - Sugar M	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling Sapling Sapling Sapling	8 9 11 10 10 Sapling DBH 3 3 2 Coletimb	3 Well Age 25 Earl Well	Hazelnut White S Blackberry 26.7 Sub-Cano Hazelnut	(Beaked) Spruce //Raspberry 25 py Species (Beaked) 68 py Species	Full Medium High Immature Density Full 51-80	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet Size 5 - 10 feet	
	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen White Spruce Black Cherry 4110 - Sugar M Canopy Species	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling Sapling Sapling Size Class Sapling	8 9 111 10 10 Sapling DBH 3 3 2 Poletimb	88 Well Age 25 er Well Age	Hazelnut White S Blackberry 26.7 Sub-Cano Hazelnut 21.2 Sub-Cano	(Beaked) Spruce /Raspberry 25 py Species (Beaked) 68 py Species (Beaked)	Full Medium High Immature Density Full 51-80 Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet Size 5 - 10 feet	
	Paper Birch Quaking Aspen White Pine Red Pine 4130 Canopy Species Quaking Aspen White Spruce Black Cherry 4110 - Sugar M Canopy Species Sugar Maple	20	Pole Pole/Log Log/Pole Log/Pole Log/Pole Size Class Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole/Log	8 9 11 10 10 Sapling DBH 3 3 2 Coletimb DBH 9	88 Well Age 25 er Well Age	Hazelnut White S Blackberry 26.7 Sub-Cano Hazelnut 21.2 Sub-Cano Hazelnut	(Beaked) Spruce //Raspberry 25 py Species (Beaked) 68 py Species (Beaked) wood	Full Medium High Immature Density Full 51-80 Density Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet N/A Avg. Height 5 - 10 feet	5 - 10 feet 5 - 10 feet 5 - 10 feet Size 5 - 10 feet Size 5 - 10 feet	



Stand	d Level 4 C	over Type	;	Size De	nsity	Acres S	Stand Age I	BA Range	Managed S	ite	General Comments
15	42110 - Pla	inted Red P	ine P	Poletimb	er Well	4.1	41	201+	N/A		Red Pine plantation.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Red Pine	100	Pole	8	41	White	Spruce	Low	5 - 10 feet	5 - 10 feet	
16	4130	- Aspen	S	Sawtimb	er Well	63.6	67 L	Inspecified	N/A		Aspen is healthy. scattered clumps of fir poletimber and saplings. NI part of stand has lower ground pockets with springy ground 0 some
	Canopy Species	% Cover	Size Class	DBH	Age		py Species	Density	Avg. Height	Size	tag alder and balm. in this area also good h maple saplings 10 - 20'
	Sugar Maple	10	Pole	7		Balsa	am Fir	Low	>20 feet	>20 feet	tall.
	Paper Birch	5	Pole	6			r Maple	Medium	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	75	Log/Pole	10	67	Hazelnut	t (Beaked)	Full	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	5	Pole	8		Iron	wood	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Pole/Sapling	6							
17	4130	- Aspen		Sapling	Well	73.7	5	Immature	N/A		Salmagundi TS cut 2020
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	100	Sapling	1	5						
19	4110 - Sugar N	Maple Assoc	ciation P	Poletimb	er Well	9.1	74	81-110	N/A	ı	Black Bear TS thinned 2011
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Sugar Maple	60	Pole/Log	8	74	Leath	erwood	Low	5 - 10 feet	5 - 10 feet	
	Basswood	40	Log	14		Iron	wood	High	10 - 20 feet	10 - 20 feet	
											+
						Sugar	r Maple	Medium	10 - 20 feet	10 - 20 feet	
20	4110 - Sugar N	Maple Assoc	ciation P	Poletimb	er Well	Sugar 18.7	r Maple 69	81-110	10 - 20 feet N/A		Black Bear TS thinned 2011. Avg BA=109
20	4110 - Sugar M		ciation F		er Well	18.7		81-110			Black Bear TS thinned 2011. Avg BA=109
20						18.7 Sub-Cand	69	81-110	N/A	\ \	Black Bear TS thinned 2011. Avg BA=109
20	Canopy Species	% Cover	Size Class	DBH	Age	18.7 Sub-Cand	69 opy Species	81-110 Density	N/A	Size	Black Bear TS thinned 2011. Avg BA=109
20	Canopy Species Sugar Maple	% Cover	Size Class Log/Pole	DBH	Age	18.7 Sub-Cand	69 Dpy Species erwood	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Size 5 - 10 feet	Black Bear TS thinned 2011. Avg BA=109
20	Canopy Species Sugar Maple Basswood White Ash	% Cover 55 42	Size Class Log/Pole Log Log	DBH 11 14	Age 69	18.7 Sub-Cand	69 ppy Species erwood wood	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Size 5 - 10 feet 10 - 20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash	% Cover 55 42 3 - Aspen	Size Class Log/Pole Log Log	DBH 11 14 14 Sawtimb	Age 69	18.7 Sub-Cano Leath	69 ppy Species erwood wood	81-110 Density Low High Unspecified	N/A Avg. Height 5 - 10 feet 10 - 20 feet	Size 5 - 10 feet 10 - 20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash	% Cover 55 42 3 - Aspen	Size Class Log/Pole Log Log	DBH 11 14 14 Sawtimb	Age 69 er Well	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand	69 ppy Species erwood wood 67	81-110 Density Low High Unspecified	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A	Size 5 - 10 feet 10 - 20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species	% Cover 55 42 3 - Aspen % Cover	Size Class Log/Pole Log Log Size Class	DBH 11 14 14 14 Sawtimb	Age 69 er Well	18.7 Sub-Canc Leath Iron 83.8 Sub-Canc	69 ppy Species erwood wood 67 L ppy Species	81-110 Density Low High Unspecified Density	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height	Size 5 - 10 feet 10 - 20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple	% Cover 55 42 3 - Aspen % Cover 10	Size Class Log/Pole Log Log Size Class Pole	DBH 11 14 14 14 Sawtimb DBH 7	Age 69 er Well	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut	69 ppy Species erwood wood 67 ppy Species r Maple	81-110 Density Low High Jnspecified Density Medium	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch	% Cover 55 42 3 - Aspen % Cover 10 5	Size Class Log/Pole Log Log Size Class Pole Pole	DBH	er Well	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut Balsa	69 ppy Species erwood wood 67 ppy Species r Maple t (Beaked)	81-110 Density Low High Unspecified Density Medium Full	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen	% Cover	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole	DBH 11 14 14 Sawtimb DBH 7 6 10 8	er Well	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut Balsa	69 ppy Species erwood wood 67 ppy Species r Maple t (Beaked) am Fir	81-110 Density Low High Unspecified Density Medium Full Low	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet	Black Bear TS thinned 2011. Avg BA=109
	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen Balsam Poplar	% Cover	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole Pole Pole Pole/Sapling	DBH 11 14 14 Sawtimb DBH 7 6 10 8	er Well Age 67	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut Balsa	69 ppy Species erwood wood 67 ppy Species r Maple t (Beaked) am Fir	81-110 Density Low High Unspecified Density Medium Full Low	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	Much defect (cracked boles, broken upper branches, cankers). Avg
21	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir	% Cover 55 42 3 - Aspen 10 5 65 5 15 Maple Associated 55 56 56 56 56 56 56 5	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole Pole Pole Pole/Sapling	DBH	er Well Age 67	18.7 Sub-Canc Leath Iron 83.8 Sub-Canc Sugar Hazelnut Balsa Iron	69 ppy Species erwood wood 67 L ppy Species r Maple t (Beaked) am Fir wood	81-110 Density Low High Juspecified Density Medium Full Low Low 111-140	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	
21	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir	% Cover 55 42 3 - Aspen 10 5 65 5 15 Maple Associated 55 56 56 56 56 56 56 5	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole Pole Pole/Sapling	DBH	er Well	18.7 Sub-Cand Balsa Balsa Iron 12.6 Sub-Cand Sub-Cand Sugar	69 ppy Species erwood wood 67 U ppy Species r Maple t (Beaked) am Fir wood 69	81-110 Density Low High Juspecified Density Medium Full Low Low 111-140	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	Much defect (cracked boles, broken upper branches, cankers). Avg
21	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir 4110 - Sugar M Canopy Species	% Cover 55 42 3 - Aspen 10 5 65 5 15 Maple Assoc	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole Pole Pole/Sapling Ciation Fixe Class	DBH	er Well Age 67 er Well Age	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut Balsa Iron 12.6 Sub-Cand	69 ppy Species erwood wood 67 ppy Species r Maple t (Beaked) am Fir wood 69 ppy Species	81-110 Density Low High Jnspecified Density Medium Full Low Low 111-140 Density	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet N/A Avg. Height	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet	Much defect (cracked boles, broken upper branches, cankers). Avg
21	Canopy Species Sugar Maple Basswood White Ash 4130 Canopy Species Sugar Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir 4110 - Sugar M Canopy Species Sugar Maple	% Cover 55 42 3 - Aspen 65 65 5 15 Maple Assoc 75	Size Class Log/Pole Log Log Size Class Pole Pole Log/Pole Pole Pole/Sapling Ciation P Size Class Pole/Log	DBH	er Well Age 67 er Well Age	18.7 Sub-Cand Leath Iron 83.8 Sub-Cand Sugar Hazelnut Balsa Iron 12.6 Sub-Cand Iron Leath	69 ppy Species erwood wood 67 U ppy Species r Maple t (Beaked) am Fir wood 69 ppy Species wood	81-110 Density Low High Unspecified Density Medium Full Low Low 111-140 Density Medium Medium	N/A Avg. Height 5 - 10 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet	Size 5 - 10 feet 10 - 20 feet Size 10 - 20 feet 5 - 10 feet >20 feet 5 - 10 feet Size 10 - 20 feet	Much defect (cracked boles, broken upper branches, cankers). Avg



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed 9	Site	General Comments
23	4110 - Sugar N	laple Asso	ciation F	Poletimb	er Well	67.8	71	81-110	N/.	A	Postuchow TS thinned 1985; TNT TS thinned 2009. more ironwood in
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	south half; hills
	Sugar Maple	55	Log/Pole	10	71	Leat	herwood	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	10	Pole	9		Irc	nwood	High	10 - 20 feet	10 - 20 feet	
	Basswood	30	Log	13		Sug	ar Maple	Low	10 - 20 feet	10 - 20 feet	
	Paper Birch	5	Log/Pole	12							
24	4130	- Aspen	F	Poletimb	er Well	29.9	45 L	Jnspecified	N/A	A	Postuchow TS cut 1985
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole/Sapling	5		Whit	e Spruce	Low	>20 feet	>20 feet	
	Quaking Aspen	95	Pole	8	45	Blac	k Cherry	Low	10 - 20 feet	10 - 20 feet	
25	4130	- Aspen	F	Poletimb	er Well	6.7	40 L	Inspecified	N/A	A	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Sapling	4		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Pole/Sapling	5	40	Hazeln	ut (Beaked)	Full	< 5 feet	< 5 feet	
	Balsam Fir	10	Sapling	4							•
26	6120 - Lo	wland Ceda	ar S	Sawtimb	er Well	16.3	108 L	Inspecified	N/	A	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole/Sapling	9 6		Bal	sam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Black Spruce	10	Pole	7		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	85	Log	12	108			,		,	•
27	4119 - Mixed No	orthern Har	dwoods F	Poletimb	er Well	16.7	68	141-170	N/A	A	Stand previously marked but not cut due to no access.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	60	Pole	7	68	Whit	e Spruce	Medium	10 - 20 feet	10 - 20 feet	
	Red Maple	15	Pole	7		Bal	sam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Basswood	15	Pole	8		Leat	herwood	High	5 - 10 feet	5 - 10 feet	
	Paper Birch	5	Pole/Log	9							•
	Quaking Aspen	5	Log	14							
28	4130	- Aspen	F	Poletimb	er Well	34.2	46 L	Jnspecified	N/.	A	about pure aspen 4 - 8" dbh with fir understory 3 - 6". scattered semi open areas. W end transitions to areas of semi open with spruce/fir
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	and scattered larger diameter aspen - notably S of woods road. Due to
	Sugar Maple	5	Pole	8			sam Fir	High	>20 feet	>20 feet	access issues, cutting now with hardwood.
	Red Maple	5	Pole	8		Hazeln	ut (Beaked)	Full	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Pole	6	46	Blac	k Cherry	Medium	10 - 20 feet	10 - 20 feet	
	White Spruce	10	Pole	7							



Level 4 Co	over Type		Size De	nsity	Acres S	Stand Age B	A Range	Managed S	ite	General Comments
6124 - Lowla	and Spruce	-Fir	Poletimb	er Well	133.7	82 Ur	nspecified	N/A		More Cedar to South.
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	
Paper Birch	5	Pole	7				High	5 - 10 feet	5 - 10 feet	
Balsam Poplar	5	Log	12		Red	Maple	Medium	10 - 20 feet	10 - 20 feet	
Balsam Fir	15	Pole	8		Tag	Alder	Full	5 - 10 feet	5 - 10 feet	
•	5	Log	12							
<u> </u>				82						
Tamarack	20	Log/Pole	11							
4110 - Sugar M	laple Assoc	ciation	Poletimb	er Well	4.2	90	81-110	N/A		Birch is breaking up.
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	
Sugar Maple	65	Pole	9	90	Leath	erwood	Low	< 5 feet	< 5 feet	
Red Maple	5	Pole	8		Iron	wood	Medium	10 - 20 feet	10 - 20 feet	
Basswood	25	Log/Pole	11							•
Paper Birch	5	Pole	9							
4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	15.8	77	81-110	N/A		Thinned 2011 Black Bear TS; very little maple regen. scattered
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size	upland cedar. Avg BA=109
Sugar Maple	75	Log/Pole	12	77	Leath	erwood	Medium	5 - 10 feet	5 - 10 feet	
Basswood	25	Log	1.1		Sugar	Maple	Low	10 - 20 feet	10 - 20 feet	
	20	0	14					10 20 1001	10 - 20 1001	
	20		14			//Raspberry	High	5 - 10 feet	5 - 10 feet	
	20		14		Blackberry	//Raspberry wood	High Medium			
6220 - Al	der/Willow		Nor	ie	Blackberry			5 - 10 feet	5 - 10 feet 10 - 20 feet	leatherleaf bog with multiple creek/drainage headwaters
4134 - Aspe	der/Willow en, Spruce/	Fir S	Nor awtimber	Mediun	Blackberry Iron 100.6	wood		5 - 10 feet 10 - 20 feet	5 - 10 feet 10 - 20 feet	leatherleaf bog with multiple creek/drainage headwaters This stand is the remnant of adjacent parent cuts leaving a 300 foot buffer on Turner Ck.
4134 - Aspe	der/Willow en, Spruce/ % Cover	Fir S Size Class	Nor awtimber DB H	Mediun Age	Blackberry Iron 100.6	wood	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen	der/Willow en, Spruce/ % Cover 40	Fir S Size Class Log	Nor awtimber DBH	Mediun	Blackberry Iron 100.6	wood	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen Balsam Poplar	der/Willowen, Spruce/ % Cover 40 30	Fir S Size Class Log Log	Nor awtimber DBH	Mediun Age	Blackberry Iron 100.6	wood	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen Balsam Poplar Balsam Fir	en, Spruce/ **Cover** 40 30 10	Fir S Size Class Log Log Pole	Nor awtimber DBH 14 14 7	Mediun Age	Blackberry Iron 100.6	wood	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen Balsam Poplar	der/Willowen, Spruce/ % Cover 40 30	Fir S Size Class Log Log	Nor awtimber DBH	Mediun Age	Blackberry Iron 100.6	wood	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen Balsam Poplar Balsam Fir White Spruce Black Spruce	der/Willowen, Spruce/ **Cover** 40 30 10 15	Fir S Size Class Log Log Pole Log/Pole	Nor awtimber DBH 14 14 7 10	Age 71	Blackberry Iron 100.6	wood 71 Ur	Medium	5 - 10 feet 10 - 20 feet No	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot
4134 - Aspe Canopy Species Quaking Aspen Balsam Poplar Balsam Fir White Spruce Black Spruce	der/Willow en, Spruce/ % Cover 40 30 10 15 5	Fir S Size Class Log Log Pole Log/Pole	Nor awtimber DBH 14 14 7 10 8 Sapling	Age 71	Blackberry Iron 100.6 n 44.3	71 Ur	Medium	5 - 10 feet 10 - 20 feet No N/A	5 - 10 feet 10 - 20 feet	This stand is the remnant of adjacent parent cuts leaving a 300 foot buffer on Turner Ck.
	Canopy Species Paper Birch Balsam Poplar Balsam Fir White Spruce Black Spruce rthern White Cedar Tamarack 4110 - Sugar M Canopy Species Sugar Maple Basswood Paper Birch 4110 - Sugar M Canopy Species Sugar Maple Basswood Paper Birch	6124 - Lowland Spruce Canopy Species	Canopy Species % Cover Size Class Paper Birch 5 Pole Balsam Poplar 5 Log Balsam Fir 15 Pole White Spruce 5 Log Black Spruce 30 Pole rthern White Cedar 20 Log Tamarack 20 Log/Pole 4110 - Sugar Maple Association Canopy Species % Cover Size Class Sugar Maple 5 Pole Basswood 25 Log/Pole 4110 - Sugar Maple Association Canopy Species % Cover Size Class Sugar Maple 5 Pole Basswood 25 Log/Pole Paper Birch 5 Pole 4110 - Sugar Maple Association Canopy Species % Cover Size Class Sugar Maple 75 Pole	Canopy Species % Cover Size Class DBH Paper Birch 5 Pole 7 Balsam Poplar 5 Log 12 Balsam Fir 15 Pole 8 White Spruce 5 Log 12 Black Spruce 30 Pole 7 rthern White Cedar 20 Log/Pole 11 4110 - Sugar Maple Association Poletimbe Canopy Species % Cover Size Class DBH Sugar Maple 65 Pole 9 Red Maple 5 Pole 8 Basswood 25 Log/Pole 11 Paper Birch 5 Pole 9 4110 - Sugar Maple Association Sawtimbe Canopy Species % Cover Size Class DBH Sugar Maple 75 Log/Pole 12	Canopy Species % Cover Size Class DBH Age Paper Birch 5 Pole 7 Balsam Poplar 5 Log 12 Balsam Fir 15 Pole 8 White Spruce 5 Log 12 Black Spruce 30 Pole 7 82 rthern White Cedar 20 Log 14 Tamarack 20 Log/Pole 11 Canopy Species % Cover Size Class DBH Age Sugar Maple 65 Pole 9 90 Red Maple 5 Pole 9 90 Red Maple 5 Pole 9 9 4110 - Sugar Maple Association Sawtimber Well Canopy Species % Cover Size Class DBH Age Sugar Maple 75 Log/Pole 12 77	Canopy Species Cover Size Class DBH Age Balsam Poplar Sub-Canopy Species Sub-Canopy Sub	Canopy Species W Cover Size Class DBH Age Balsam Fir	Canopy Species % Cover Size Class DBH Age Age Age Balsam Fir High Red Maple Medium Tag Alder Full High Medium Tag Alder Full White Spruce	Canopy Species Cover Size Class DBH Age Age Balsam Fir Foletimber Well Sub-Canopy Species Density Avg. Height	Canopy Species W Cover Size Class DBH Age Paper Birch 5 Pole 7 Poletimber Well 133.7 82 Unspecified N/A

Compartment: 43 Year of Entry: 2027



Stand	I Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age I	BA Range	Managed \$	Site	General Comments
35	4130	- Aspen	Po	oletimb	er Well	135.4	35 l	Jnspecified	N//	A	Scattered pockets of low ground having tag alder/balm. interspersed
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	small rock outcrop hills; widely scattered w pine.
	Quaking Aspen	80	Pole/Sapling	6	35	Whi	te Spruce	Low	Variable	Variable	
	Balsam Poplar	10	Pole/Sapling	6		Ва	lsam Fir	Low	Variable	Variable	
	Balsam Fir	5	Pole/Sapling	5		Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Pole/Sapling	5							
36	6120 - Lov	wland Ceda	ır Po	oletimb	er Well	6.0	108 l	Jnspecified	N/A	A	wet throughout.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	60	Log	12	108	Ва	lsam Fir	High	10 - 20 feet	10 - 20 feet	
	Black Ash	40	Pole/Sapling	6	51	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
37	4319 - Mixed	l Upland Fo	rest Po	oletimb	er Well	22.1	75	51-80	N//	A	Pockets of nice WP and conifer regen. Could release by shelterwood.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	SE finger has large diameter trees (hemlock, WC, pine) Hemlock seedlings within stand (~1 foot). Thinned 2000.
	Sugar Maple	5	Pole/Log	9		WI	nite Pine	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	40	Log/Pole	14	75	Iro	onwood	Medium	10 - 20 feet	10 - 20 feet	
	Yellow Birch	5	Log	14		Sug	jar Maple	Low	Variable	Variable	
	Basswood	5	Log	12		Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Pole/Sapling	7		Bla	ack Ash	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	5	Pole/Sapling	7		Ва	lsam Fir	High	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	10	Log	14							
	White Pine	15	XLog	20							
	Hemlock	10	Log	14							
38	6120 - Lov	wland Ceda	ır Sa	awtimb	er Well	16.3	105 l	Jnspecified	N//	A	hemlock is mainly at edges of the stand. NW end is ponded with a
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	leatherleaf bog inclusion.
	Yellow Birch	5	Pole	8		Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
No	rthern White Cedar	85	Log	14	105	Ва	lsam Fir	High	10 - 20 feet	10 - 20 feet	
	Hemlock	5	Log	16							
	Black Ash	5	Pole	6							
39	4110 - Sugar M	laple Assoc	ciation Po	oletimb	er Well	70.7	84	111-140	N//	A	west half of stand was cut in 2000 Turner Hawk TS; east half cut 201 Pile on the Rocks.East half will be a lighter thin but stand should be
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	managed as one. Basswood on west is getting old and deteriorating.
	Sugar Maple	35	Log/Pole	12		Lea	therwood	Medium	< 5 feet	< 5 feet	
	Yellow Birch	3	Log/Pole	10		Iro	onwood	Full	10 - 20 feet	10 - 20 feet	
	Basswood	55	Log	14	84	Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	2	Log	12		Sug	jar Maple	Low	>20 feet	>20 feet	
	White Pine	5	XLog	20			·	·			



Stan	d Level 4 Co	ver Type	5	Size Density Poletimber Well		Acres	Stand Age BA Range		Managed \$	Site	General Comments
40	4130 -	Aspen	Р			35.6	36 U	nspecified	N/A		Big Valley TS cut 1988. Aspen ranges from 5-8" dbh
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Sapling	4		In	onwood	High	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	70	Pole	7	36	Lea	therwood	Medium	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	15	Pole	6							
	Balsam Fir	5	Sapling/Pole	4							
41	4130 - Aspen			Sapling Well		80.2	15 I	mmature	N/A		Pile on the Rocks TS cut 2010
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	10	Sapling	2							
	Quaking Aspen	85	Sapling	2	15						
	White Spruce	5	Pole/Sapling	5							
42	6139 - Mixed Lowland Forest Pol			oletimber Medium		m 8.2	66 U	nspecified	N/A		low areas with standing water ; some ash is dead
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	5	Log	11		Bals	am Poplar	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Poplar	20	Log	10		Ва	ılsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Pole	7		Qual	king Aspen	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	5	Pole	8		Re	ed Maple	Medium	Variable	Variable	
No	orthern White Cedar	10	Log	12		Ta	ag Alder	Full	5 - 10 feet	5 - 10 feet	
	Tamarack	20	Pole	7							
	Black Ash	30	Pole/Sapling	5	66						
43	6115 - Lowland Ash		n Pol	Poletimber Mediur		m 21.5	n 21.5 52 Un		N/A		very wet stand - standing water with drainage. pockets heavier to tag ¬ alder in NW. Some ash is dying or dead
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and in 1999. Some asit is dying of dead
	Red Maple	10	Pole	9			ag Alder	High	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	5	Log/Pole	11		Ва	ılsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Black Ash	85	Pole	7	52						
44	6115 - Lo	wland Ash Po		etimber Medium		m 20.1	45 U	nspecified	N//	A	E end has more scattered trees with a heavier tag alder component. wet - standing water. Some dead and dying ash
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	wet - standing water. Some dead and dying asir
	Quaking Aspen	5	Log	12		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Pole/Log	9		Ва	ılsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Black Ash	90	Pole	7	45						
45	4130 - Aspen			Sapling Well		29.4	29.4 15 Immatu		N/A		scattered rock outcrop knobs. stand overall is mainly pure aspen,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	some low pockets. Pile on the Rocks TS cut 2010
	Red Maple	5	Sapling	1		Hazelr	nut (Beaked)	High	< 5 feet	< 5 feet	
	Quaking Aspen	90	Sapling	1	15	Blackbe	rry/Raspberry	Full	< 5 feet	< 5 feet	



Stan	d Level 4 C	el 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments						
46	4130	- Aspen	pen P		Poletimber Well		36 l	Unspecified	N/A	\	Conifer mainly along road edges. Wolf Sign TS cut 1989
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	7		Hazelr	nut (Beaked)	Full	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Pole/Sapling	7	36						
	Balsam Fir	10	Pole/Sapling	6							
	White Spruce	5	Pole	5							
47	6119 - Mixed Lowla	and Decidud	ous Forest Pole	etimbe	r Mediu	m 2.8	45 l	Jnspecified	N/A	١	very wet & springy.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	35	Pole	7		Ва	ılsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	5	Pole	8		Ta	ag Alder	Full	5 - 10 feet	5 - 10 feet	
	White Spruce	10	Pole/Log	9							_
No	orthern White Cedar	5	Log	14							
	Black Ash	45	Pole/Sapling	5	45						
48	4130 - Aspen			Saplin	g Well	8.5	25	Immature	N/A	١	Turner Strut TS cut 2000
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Sapling	2	25	Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Sapling	3		Hazelr	nut (Beaked)	Full	5 - 10 feet	5 - 10 feet	
49	6111 - Lowland Balsam Poplar			Saplin	g Well	13.9	15	Immature	N/A	١	lowland portion of Pile on the Rocks TS cut 2010. Very wet
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	30	Sapling	2		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	65	Sapling	2	15	Blackbe	rry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Pole/Sapling	5		Wi	llow spp.	Full	5 - 10 feet	5 - 10 feet	
50	4130 - Aspen		;	Sapling We		25.3	25.3 25		N/A	١	Turner Strut TS cut 2000. Quite wet.
	Canopy Species		Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	60	Sapling	3	25		ack Ash	Low	Variable	Variable	
	Balsam Poplar	25	Sapling	2		Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Pole	7							
	White Spruce	10	Pole	7							
51				Sawtimber Well		6.7			N/A		Cut in October 2019 under the Salmagundi timber sale (12-026-17 ¬ BAs 90-110
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size	
	Red Pine	100	Log/Pole	10	56		king Aspen	Medium	5 - 10 feet	5 - 10 feet	
						Ва	ılsam Fir	Low	5 - 10 feet	5 - 10 feet	



Stand	Level 4 Co	el 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments						
52	4191 - Mixed Upland Deciduous with Conifer			Sawtimber Medium		n 36.1	79	51-80	N/A		This stand is within 300 ft buffer to Ford R and unavailable for harves Some areas are marsh grass/floodplain
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Log/Pole	10		Ba	alsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	25	Log	14	79	Bla	ck Cherry	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Poplar	40	Log	14	79	Hazelr	nut (Beaked)	Low	< 5 feet	< 5 feet	
	Balsam Fir	15	Pole	7							
	White Spruce	10	Log/Pole	10							
53	42110 - Plar	nted Red P	ine S	Sawtimb	er Well	6.9	54	111-140	N/A	١	Cut in 2019 under the Salmagundi timber sale (12-026-17) . BAs 120,
	Canopy Species	% Cover	Size Class	s DBH Age		Sub-Ca	nopy Species	Density	Avg. Height S	Size	140, 180
	Red Pine	100	Log/Pole	12	54	Ва	alsam Fir	Low	5 - 10 feet	5 - 10 feet	
				'		Bla	ck Cherry	Low	5 - 10 feet	5 - 10 feet	
54	1 330 - Low-Density Trees None				7.0			No		scattered small diameter r pine 4 - 6" dbh, aspen clumps north of road. open grown cherry saplings	
55	4130 -	- Aspen		Sapling	y Well	3.5	25	Immature	N/A	١	Turner Strut TS cut 2000
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	90	Sapling	3	25	Hazelr	nut (Beaked)	High	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Sapling	3							•
	White Spruce	5	Sapling/Pole	4							
56	710 - S	and, Soil		Nor	ne	5.3			No		gravel pit north side of road, gravel owned by Keweenaw Land
57	4130 -	- Aspen	S	Sapling N	Medium	17.2	5	Immature	N/A	١	Salmagundi TS cut 2020. Upland with lowland in far east
	Canopy Species		Size Class	DBH	Age						
	Quaking Aspen	75	Sapling	1	5						
	Balsam Poplar	25	Sapling	1							
58	6111 - Lowland	d Balsam F	Poplar S	Sawtimb	er Poor	40.8	75 L	Inspecified	N/A	1	floodplain to Ford River.
	Canopy Species		Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	40	Log	11		Wi	llow spp.	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	60	Log	12	75	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
						Hazelr	nut (Beaked)	Medium	5 - 10 feet	5 - 10 feet	
59	4134 - Aspe	en, Spruce/	Fir Po	oletimber	Medium	n 11.4	40 L	Inspecified	N/A	١	Stand on a steep hill sloping toward river. Semi open grown trees.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	70	Pole	8	40	Hazelr	nut (Beaked)	High	5 - 10 feet	5 - 10 feet	
	Balsam Fir	20	Pole	8		Bla	ck Cherry	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	10	Pole	8		Ba	alsam Fir	Medium	Variable	Variable	



Stand	and Level 4 Cover Type			Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
60	6118 - Lowland De	ith Cedar	Sapling Poor		35.6	5	N/A			Cut in 2020 under the Salmagundi timber sale (12-026-17). Retention	
	Canopy Species	% Cover	Size Class	DBH	DBH Age		nopy Species	s Density	Avg. Height	Size	in pockets, primarily cedar. Black spruce is on site but scattered and not 3 feet yet
	Balsam Poplar	60	Sapling	1	5	Blac	k Spruce	Low	< 5 feet	< 5 feet	
No	orthern White Cedar	20	Log/Pole	10	111						-
	Tamarack	20	Sapling	1							
61	122 - Road	d/Parking Lo	ot	Non	е	9.6			No		
62	6111 - Lowland Balsam Poplar F		Poletimber Medium		n 24.9 73 U		Unspecified	N/A		wet stand along river floodplain within 300 feet of Ford River	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	45	Log	12		Ва	lsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	Balsam Poplar	50	Log	14	73	Bla	ack Ash	Medium	10 - 20 feet	10 - 20 feet	
	White Spruce	5	Pole	7		Та	ag Alder	High	5 - 10 feet	5 - 10 feet	
63	4130 - Aspen			Sapling	Well	12.9	5	Immature	N/A		cut 2020 Salmagundi TS; retention along south is 300 ft buffer to Ford
	Canopy Species	% Cover	Size Class	DBH	Age						R.
	Quaking Aspen	100	Sapling	1	5						
64	4130	- Aspen		Poletimbe	er Well	4.7	26 l	Unspecified	N/A	1	Jail TS cut 1999
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	100	Pole	5	26	Hazeln	ut (Beaked)	Medium	5 - 10 feet	5 - 10 feet	
65	4130 - Aspen		Sawtimber Well		7.5 68		111-140	N/A	1	Very steep; was prescribed last entry but decided this area was too	
	Canopy Species	% Cover	Size Class	DBH	Age						steep to harvest?
	Paper Birch	10	Pole	9							
	Quaking Aspen	80	Log/Pole	12	68						
	White Spruce	5	Pole	9							
	White Pine	5	Log/XLog	14							