# DNR DIRAL ROOM

# **Compartment Review Presentation**

**Crystal Falls Forest Management Unit** 

Compartment 12047
Entry Year 2018
Acreage: 2,243
County Dickinson

Management Area: Ralph Ground Moraine

Revision Date: 2016-08-08 Stand Examiner: Matt Modlin

**Legal Description:** 

T43N-R30W SECTIONS 14, 16, 22, 23, 24 & 25.

#### **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. Develop buffers on lakes and streams. Maintain and improve road system.

#### Soil and topography:

Gently rolling hills with lowland swampy areas. Soils consist of some muck, but mostly fine sand to loamy fine sand.

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

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

#### **Unique Natural Features:**

Ford River, N. Br. Sturgeon River, and Fox Lake.

#### Archeological, Historical, and Cultural Features:

None found

## **Special Management Designations or Considerations:**

Ford River and N. Br. Sturgeon River are cold water streams that need a 300 ft buffer. Fox Lake gets a 100 ft buffer.

#### Watershed and Fisheries Considerations:

#### Wildlife Habitat Considerations:

Part of this compartment has deer winter range.

The diversity of age classes with the compartment helps provide travel lanes for wildlife. Featured species include: American woodcock, black bear, eastern bluebird, white-tailed deer, and wood duck. This compartment contains state game fund lands and deer wintering areas.

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

Surface sediments consist of medium-textured till. There is insufficient data to determine the glacial drift thickness or it varies between 10 to 100 feet. The Cambrian Munising and Precambrian Michigamme Formations subcrop below the glacial drift. There is not a current economic use for these rocks. The Groveland Iron mine is located approximately six miles to the south. A gravel pit is located one mile to the east and there is potential on the uplands. Part of this area was previously leased for metallic exploration and potential may still exist. There is no economic oil and gas production in the UP.

#### **Vehicle Access:**

Turner Road, Leeman Road, Fox Lake Road and woods roads. Woods roads are mostly accessible by truck, and the rest by 4 wheeler.

#### **Survey Needs:**

None for now

#### **Recreational Facilities and Opportunities:**

Hunting and fishing

#### **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** 

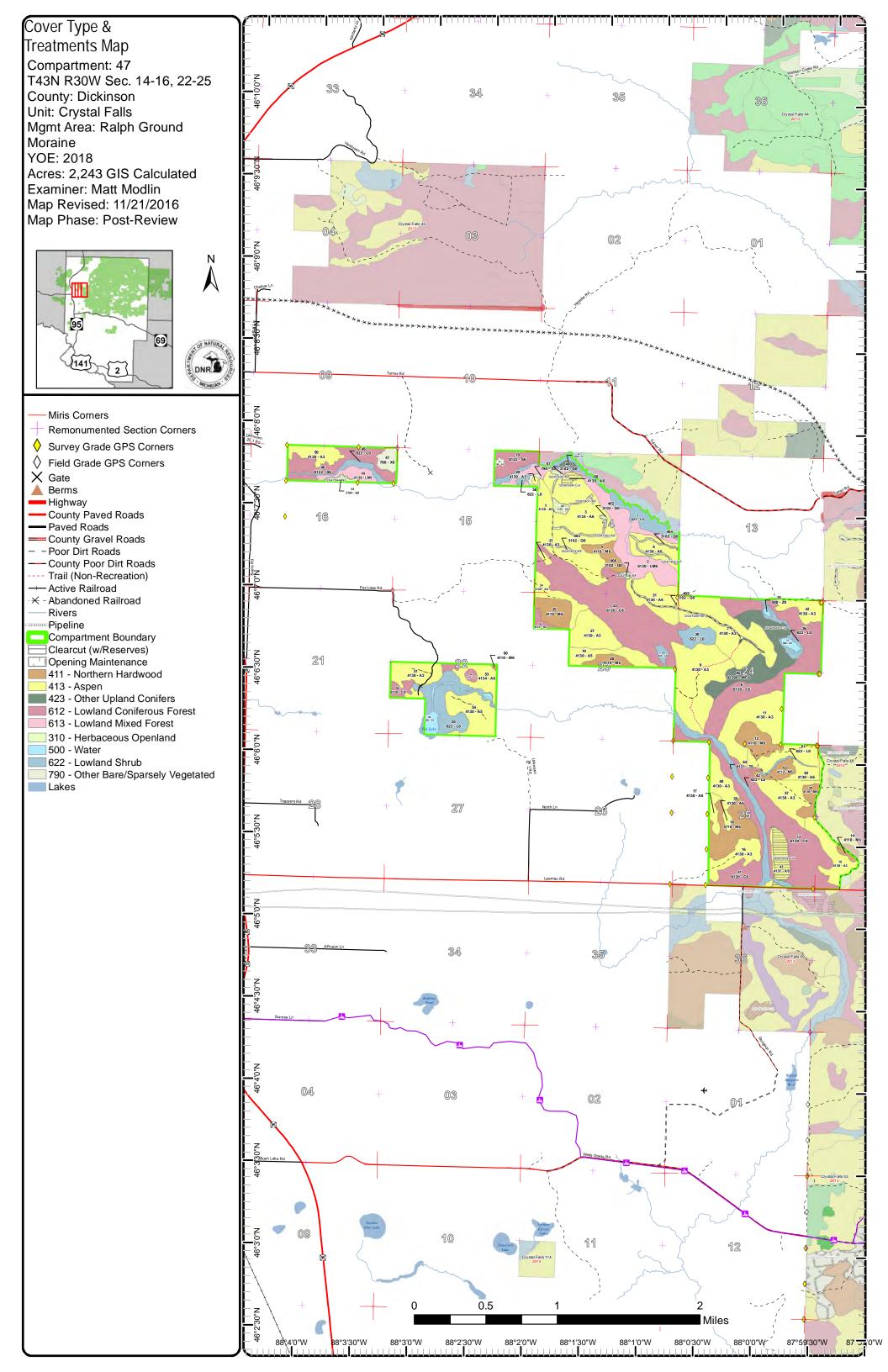
The following information is displayed, where pertinent, on the attached compartment maps:

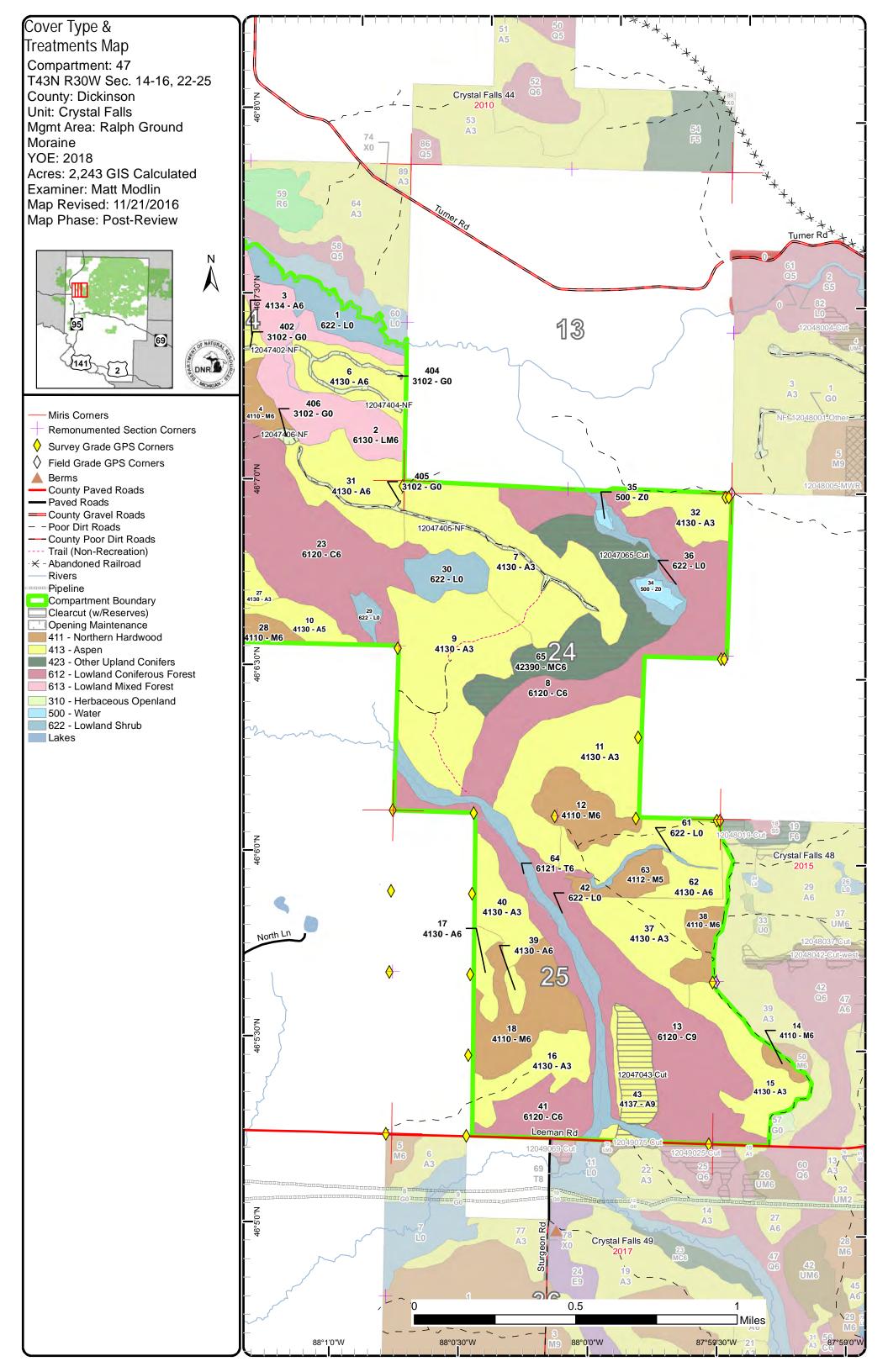
Base feature information, stand boundaries, cover types, and numbers

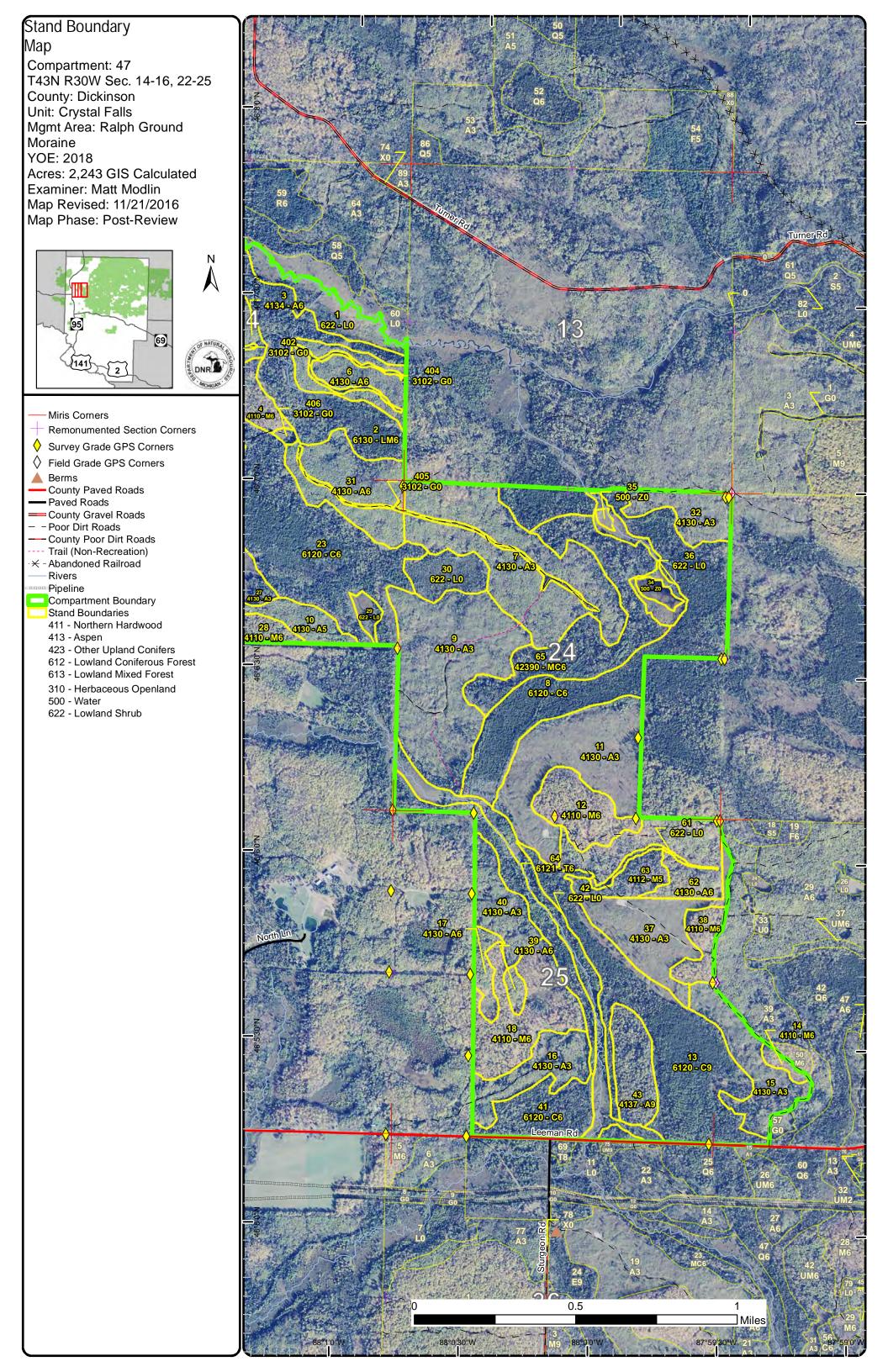
**Proposed treatments** 

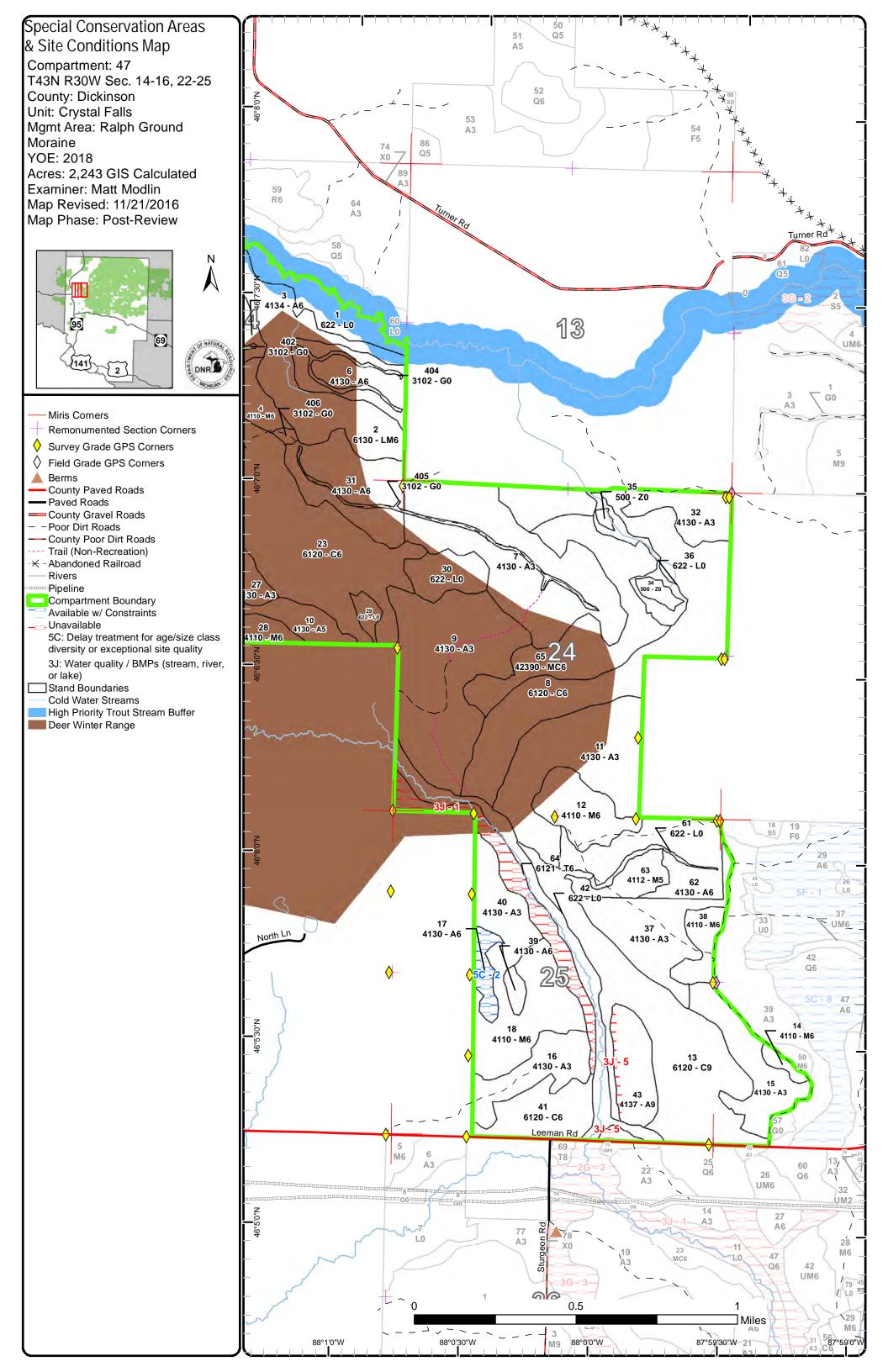
Site condition boundaries

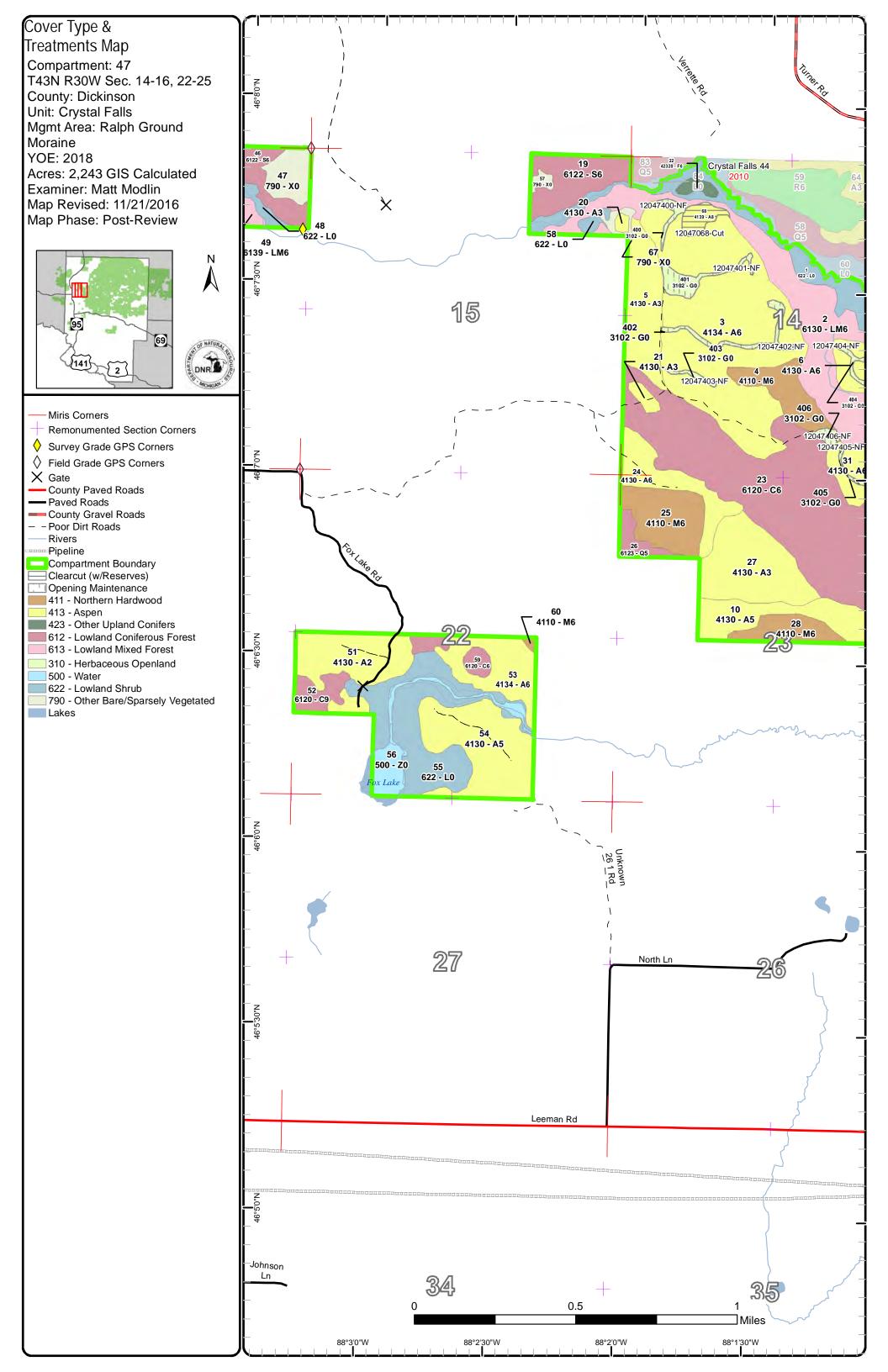
Details on the road access system

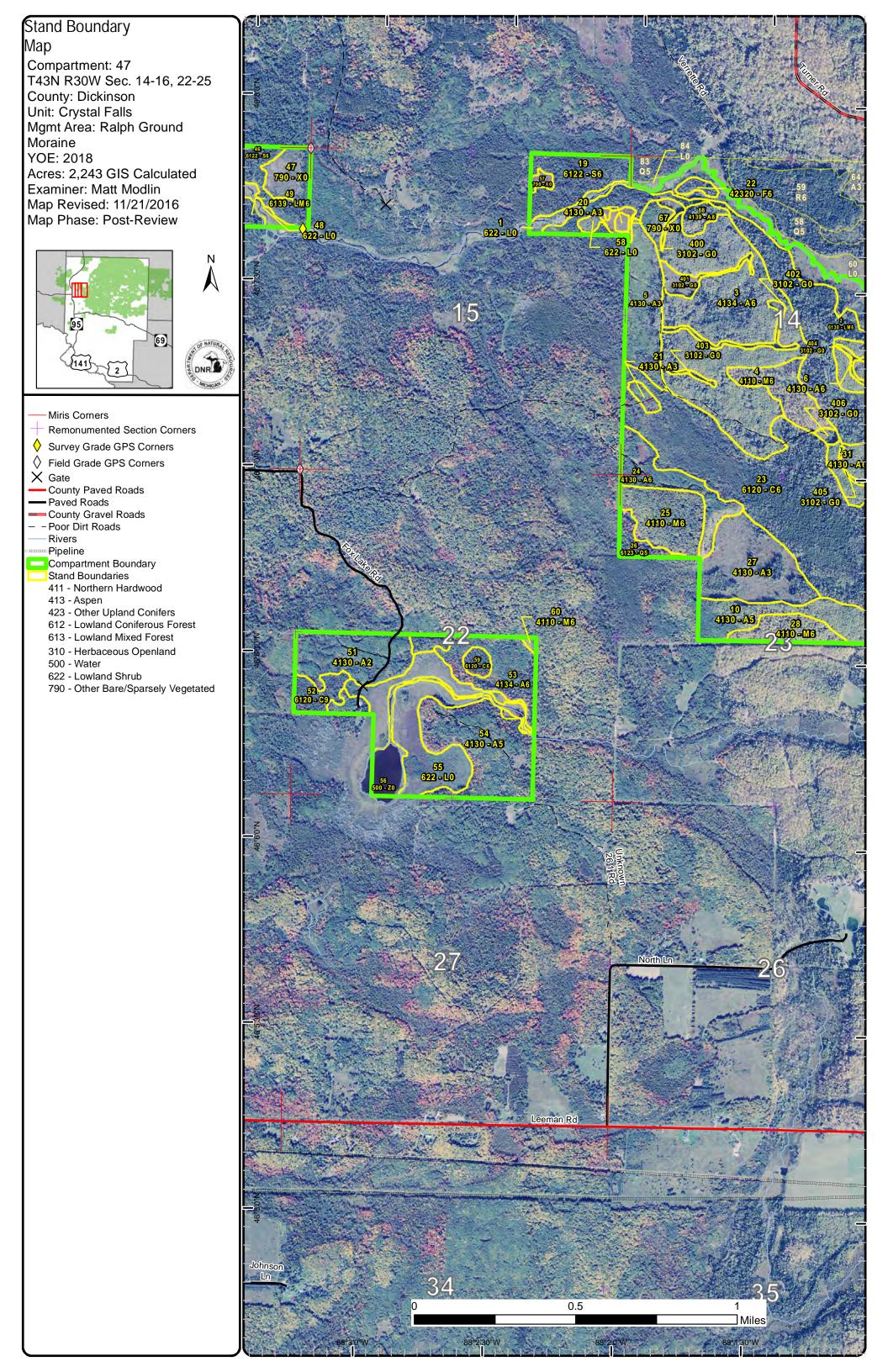


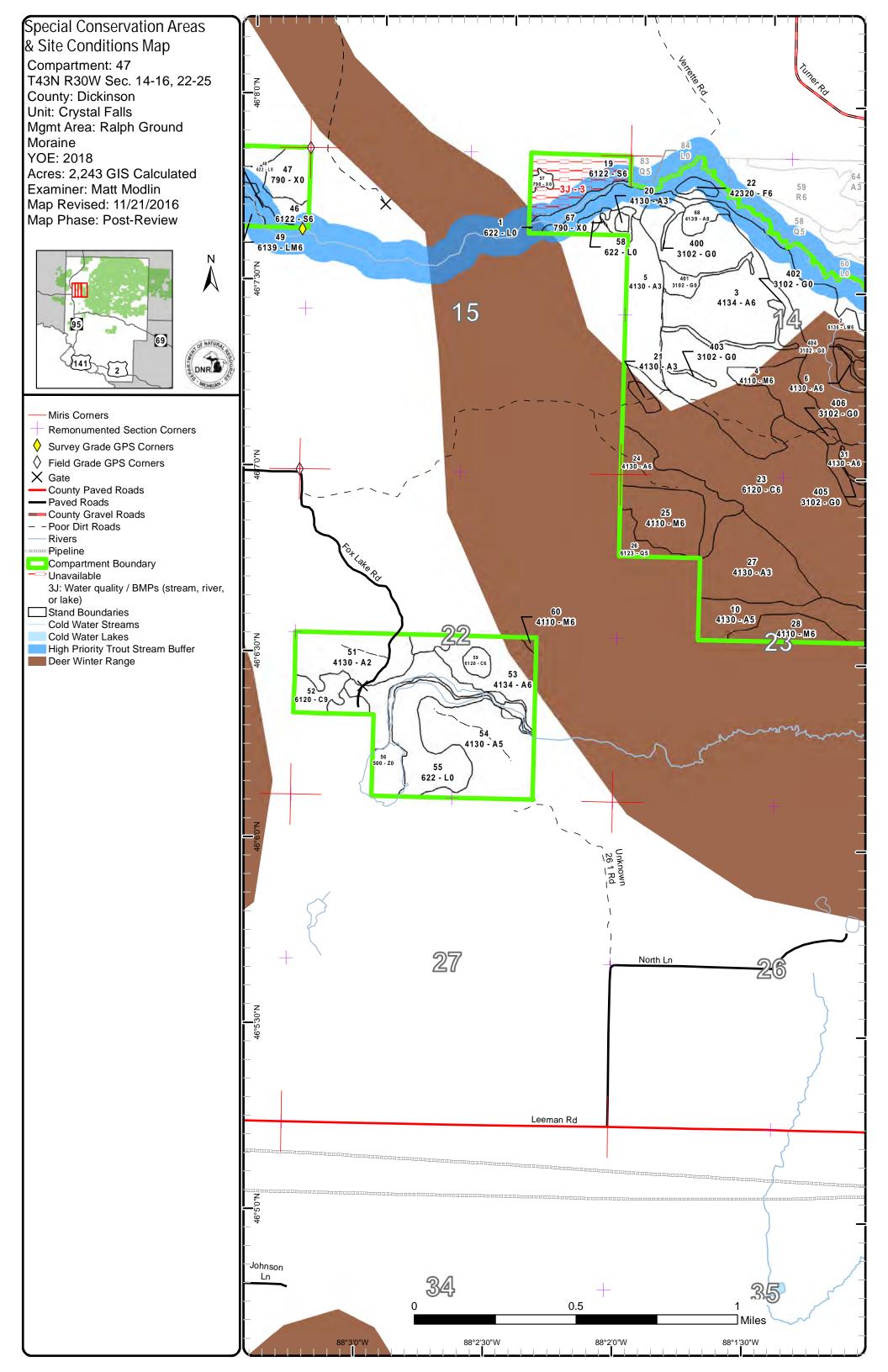


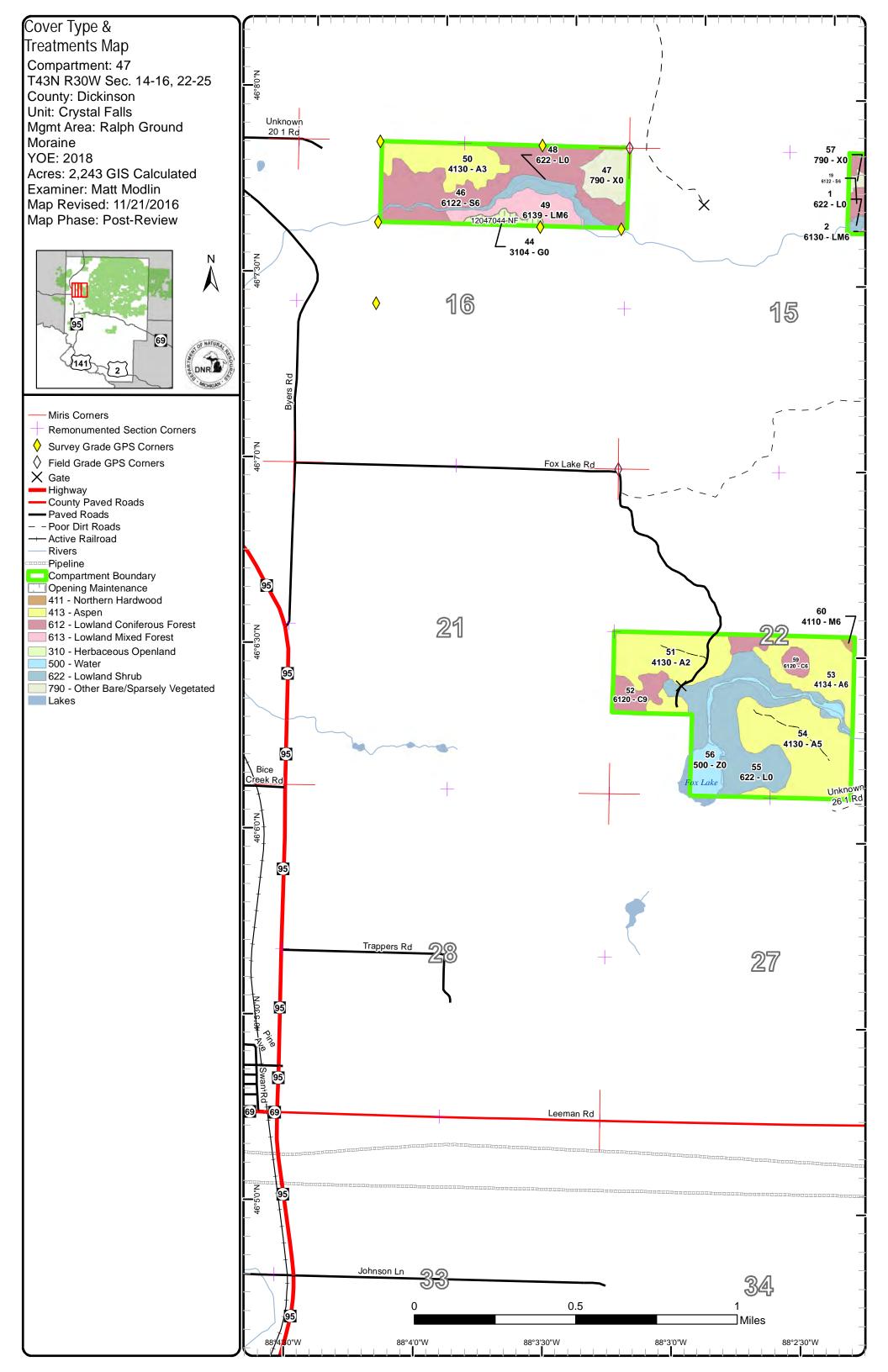


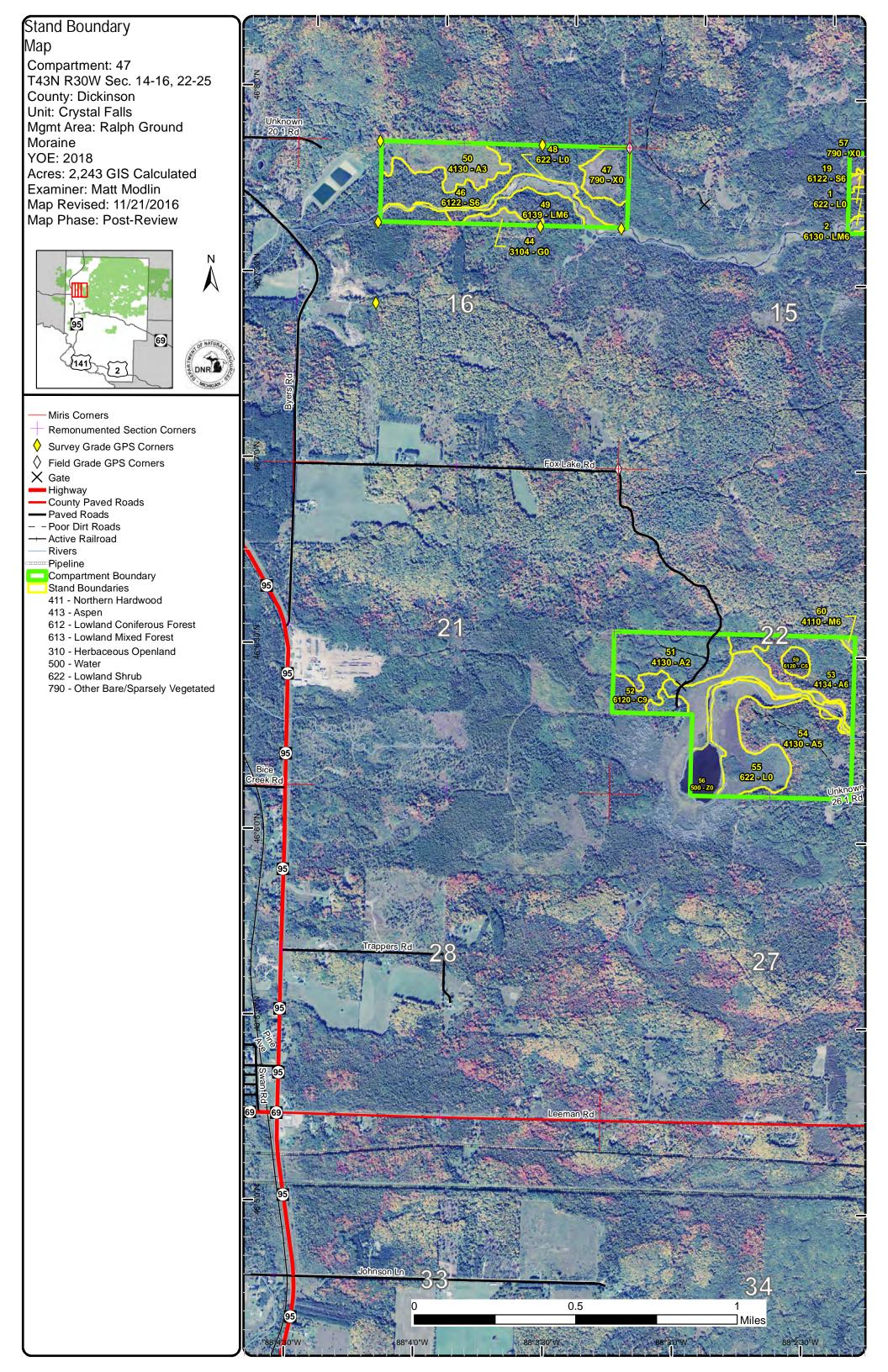


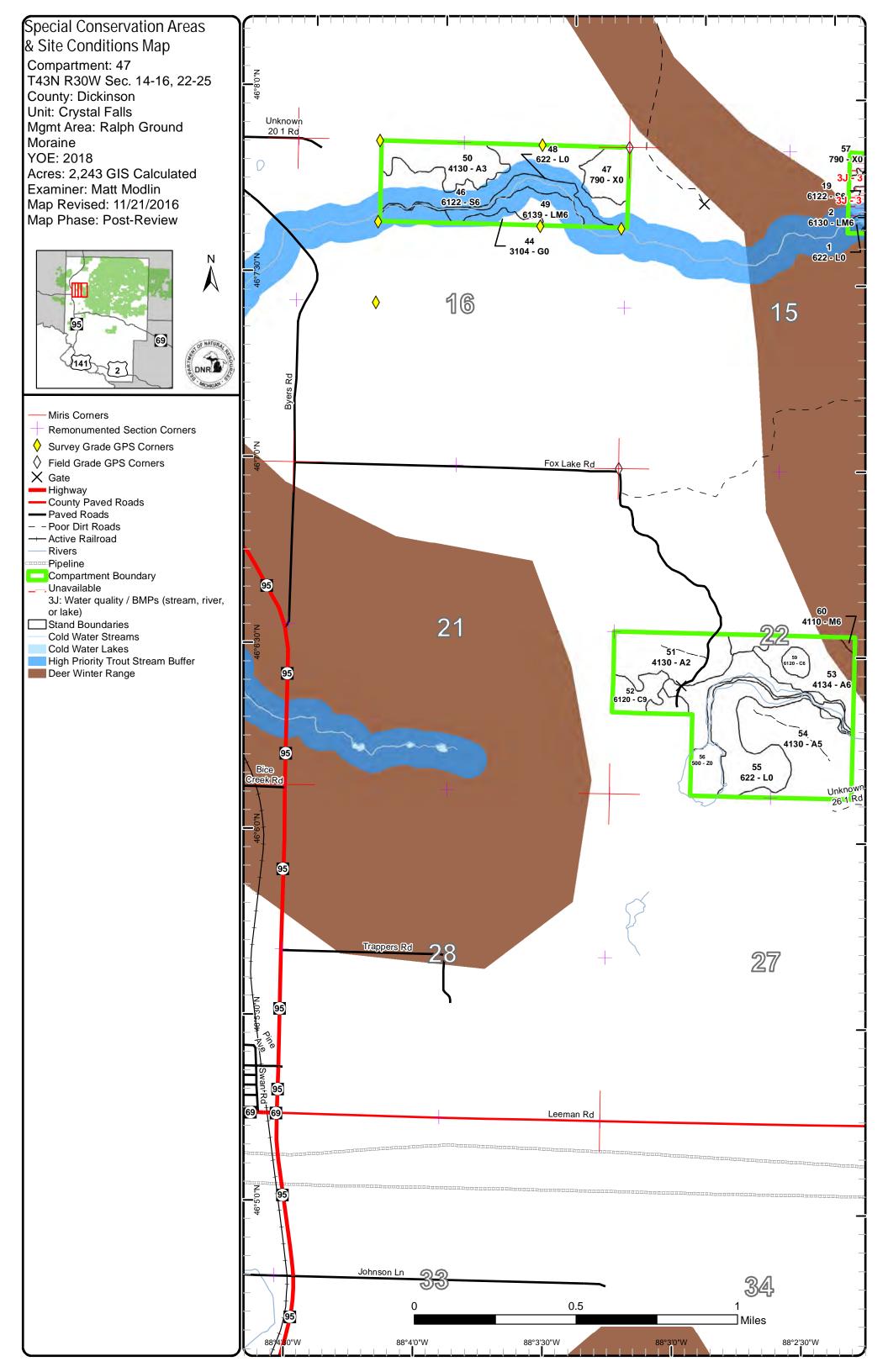












Crystal Falls Mgt. Unit Matt Modlin: Examiner

Compartment 47 Year of Entry 2018



Age Class

	₽o.			\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	8 /4	8 G	) } / &		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			70.7	81 / E	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	\$5.1.23°	Z Z	of June	See Jo
Aspen	0	232	178	184	341	61	0	6	0	29	0	0	0	0	0	0	0	0	1031
Bare/Sparsely Vegetated	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	8	32	248	180	0	0	0	0	0	0	468
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Mixed Forest	0	0	0	0	96	0	0	0	16	0	0	0	0	0	0	0	0	0	112
Lowland Shrub	192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	192
Lowland Spruce/Fir	0	0	0	0	53	0	0	0	0	0	0	26	0	0	0	0	0	0	79
Northern Hardwood	0	0	0	0	0	0	0	0	0	61	29	34	0	0	0	0	0	53	177
Tamarack	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	32
Upland Conifers	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	71
Upland Spruce/Fir	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	264	232	178	184	497	61	0	80	56	122	277	240	0	0	0	0	0	53	2244



# **Report 2 – Treatment Summary**

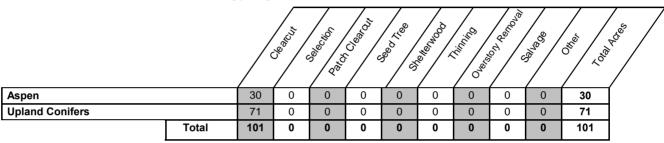
# Crystal Falls Mgt. Unit Year of Entry: 2018

#### **Acres of Harvest**

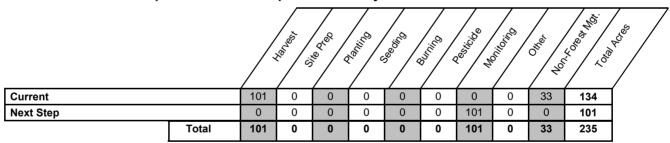
Compartment 47
Total Compartment Acres: 2,243

Commercial Harvest - 101 Harvests with Site Condition - 0 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: 47 s Year of Entry: 2018 t а **Treatment** Stand BA **Treatment Treatment Cover Type** Acres Stand Size Age **Approval** n Method Objective Name CoverType Density Age Range Type Structure Status d 12047043-Cut 24.5 4137 - Aspen, Birch Sawtimber 81-110 Harvest Clearcut with 4319 - Mixed Even-Aged Draft Field 43 Well Retention **Upland Forest** Boundary **Habitat Cut: No Site Condition:** Prescription Final harvest to 2 inch spec. Leave all cedar, cherry, pine, oak, and hemlock if found. Leave some healthy paper birch for seed and diversity. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Aspen, fir, spruce, pine, birch Regen: Other Access from the south using mats to get across the low area. Winter harvest because of low area. Comment: **Proposed Start Date:** 11/09/2016 12047044-NF 4.5 3104 - Degraded Nonstocked 0 Unspec NonForestMgt Herbaceous/Crop 310 -Draft Field ified /Grass Planting Herbaceous Boundary Openland **Habitat Cut: No Site Condition:** Prescription Herbaceous opening maintenance Specs: Next Step **Treatments:** <u>Acceptable</u> Regen: **Other** Comment: 10/01/2017 **Proposed Start Date:** 70.9 42390 - Mixed Non- Poletimber 65 429 - Mixed 111-Harvest Clearcut with Draft Field 12047065-Cut Even-Aged Pine Upland 140 Retention **Upland Conifers** Boundary Conifers **Habitat Cut: No Site Condition:** Prescription Winter harvest to 4 inch spec. Leave 30-40 ft patches of black spruce to seed and promote more black spruce regen. Leave all cedar, pine, and hemlock. Buffer warm water stream on north east side 100 ft. Leave longer lived species (maple and cedar) within this buffer, cut everything Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Balsam Fir, White Spruce, Black Spruce, Cedar, Paper Birch

Regen:

Other

Comment:

**Proposed Start Date:** 10/01/2017

12047068-Cut 4139 - Aspen, 111-Draft Field Sawtimber Harvest Clearcut 413 - Aspen Even-Aged Mixed Deciduous Medium 140 Boundary

**Site Condition:** 

**Habitat Cut: No** Prescription Cut all species down to 2 inches

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

Acceptable Aspen, spruce, fir, paper birch, pine

Regen:

Other Put redline down slope only as far as they can reach

Comment: Include fir in north side of stand 3?

**Proposed Start Date:** 10/01/2017

s t		Crystal	Falls Mgt. Unit		Re	eport 3	Treatmei	nts		ment: 47 Entry: 2018	OF NATURAL PROPERTY OF NAT
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
400	12047400-NF	2.2	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	3102 - Grass		Draft Field Boundary
<u>Hab</u>	itat Cut: No		Site Condition:	<u>:</u>							
Pres Spec		eous open	ing maintenance								
	Step tments:										
Acce Rege	<u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Prop	osed Start Date:	10/01	/2017								
401	12047401-NF	6.4	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Conditions ing maintenance	<u>i</u>							
	Step tments:										
Acce Rege	e <u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Prop	osed Start Date:	10/01/	/2017								
402	12047402-NF	4.9	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Condition: ing maintenance	i					·		
	Step tments:										
Acce Rege	e <u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Prop	osed Start Date:	10/01/	/2017								
403	12047403-NF	1.3	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Condition: ing maintenance	į					·		
	Step tments:										
Acce Rege	ptable en:										
Othe Com	<u>r</u> ment:										

Proposed Start Date: 10/01/2017

S t		Crystal	Falls Mgt. Unit		Re	eport 3	Treatmer	nts		tment: 47 Entry: 2018	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
404	12047404-NF	4.8	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Condition ing maintenance	<u>:</u>					1,1		
<u>Next</u> Treat	Step tments:										
Acce Rege	<u>ptable</u> en:										
	ment:										
Prop	osed Start Date:	10/01	/2017								
405	12047405-NF	7.1	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Condition ing maintenance	<u>i</u>					·		
	Step tments:										
Acce Rege	ptable en:										
Othe Com	<u>r</u> ment:										
Prop	osed Start Date:	10/01	/2017								
406	12047406-NF	1.7	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
		eous open	Site Condition ing maintenance	<u>:</u>					·		
<u>Next</u> Treat	Step tments:										
Acce Rege	<u>ptable</u> en:										
Othe Com	<u>r</u> ment:										

Total Treatment Acreage Proposed:

Proposed Start Date:

10/01/2017 **134.0** 

Compartment: 47

Crystal Falls Mgt. Unit

Matt Modlin : Examiner Year of Entry: 2018

Availability for Management

Total Acres Avail Acres

Dominant S

Total	Acres	Acres Avail	Acres	Do	mina	nt Site	Conditions
Acres	Available	With Condition	Not Available		5C	3J	
1031	1016	10	4	Aspen	10	4	
4.0	40	_	0	Dave/Curamaky Variational			

710100	7 (Valiable		11017 (Vallabio		30	50
1031	1016	10	4	Aspen	10	4
18	18	0	0	Bare/Sparsely Vegetated		
467	467	0	0	Cedar		
33	33	0	0	Herbaceous Openland		
7	7	0	0	Lowland Conifers		
112	112	0	0	Lowland Mixed Forest		
192	192	0	0	Lowland Shrub		0
79	53	0	26	Lowland Spruce/Fir		26
177	177	0	0	Northern Hardwood		
32	0	0	32	Tamarack		32
71	71	0	0	Upland Conifers		
3	3	0	0	Upland Spruce/Fir		
21	21	0	0	Water		
2,243	2,172	10	62	Total Forested Acres	10	62
	97%	0%	3%	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)	32	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Stream buffer								
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Healthy trees that will add volume in the next 10 years								

# **Report 4 – Site Conditions**

Compartment: 47

Crystal Falls Mgt. Unit

Matt Modlin: Examiner Year of Entry: 2018

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Ford river buffer						
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified

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				

Crystal Falls Mgt. Unit Compartment: 47
Year of Entry 2018



# Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildl and Waterfowl Production Areas, deer wintering complexes in loopenings and savannas. Habitat areas are distinct from critical hendangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in cooperation.	wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more endangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well

s t	Crystal Falls Mgt. Unit			Report 7	- Forested	Stands Compartment: 47 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6130 - Fir, Aspen, Maple	Poletimber Well	96.2	37	Unspecified	Scattered cherry, paper birch, and elmWide variety of ages in aspen and balsam fir (4 and 14 inches)Red maple is very poorSBW is starting in the tops of the firsSpruce and firs starting to snapPockets of thick areas of red maple and balsam fir regenPockets of more open areas where balsam fir have fallen
3	4134 - Aspen, Spruce/Fir	Poletimber Well	131.5	31	Immature	Mid part of stand is lower with some standing water, predominantly conifer species, and less density. Conifers getting hit hard by SBW
4	4110 - Sugar Maple Association	Poletimber Well	18.8	85	81-110	Extremely thick layer of raspberries throughout the stand.Fair to good quality sugar maple.Some larger less dense areas.
5	4130 - Aspen	Sapling Well	30.9	17	Immature	
6	4130 - Aspen	Poletimber Well	30.4	31	Unspecified	Good quality aspen
7	4130 - Aspen	Sapling Well	103.2	20	Immature	Good quality aspen.
8	6120 - Lowland Cedar	Poletimber Well	126.8	95	141-170	
9	4130 - Aspen	Sapling Well	106.9	15	Immature	Small pocket of red pine and balsam fir in the south east corner.
10	4130 - Aspen	Poletimber Medium	30.1	38	Unspecified	Good quality aspen well into stem exclusion
11	4130 - Aspen	Sapling Well	78.4	5	Immature	OPIC - FMD: See locked comments. Work around wet areas and drainages. OI Stand Year Origin was 2011
12	4110 - Sugar Maple Association	Poletimber Well	29.6	100	81-110	Scattered super canopy white pine and white pine seedlings Scattered yellow birch, paper birch, and white spruce Some red maple around the lower edges Some good quality sugar maple stems, mostly poor with forks and defect
13	6120 - Lowland Cedar	Sawtimber Well	111.0	90	Unspecified	Scattered white spruce saplings in the north tip, scattered yellow birch and paper birch on the NE edge. Ground is blanketed with moss.
14	4110 - Sugar Maple Association	Poletimber Well	4.2	100	81-110	Wait until next rotation to manage with adjacent M stand.  Very thick balsam saplings on south side and along aspen. A pocket of 10" balsam is also on the south side.  Scattered yellow birch.  Fair to good quality SM.
15	4130 - Aspen	Sapling Well	37.4	2	Immature	Residual white pine scattered. Balsam saplings dispersed.
16	4130 - Aspen	Sapling Well	30.4	25	Immature	Some small open pockets. Quality is good.

S t	Crystal Falls	Mgt. Unit	Report 7 – Forested Stands	Stands Compartment: 47 Year of Entry: 2018		
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4130 - Aspen	Poletimber Well	9.9	49	81-110	Good quality Aspen
18	4110 - Sugar Maple Association	Poletimber Well	51.9	86	51-80	Forested wetland pocket present with black spruce, white pine and red maple.  Scattered yellow birch and red maple.  Scattered large quaking aspen on edges.  Large, thick pocket of aspen regen on NE side.
19	6122 - Black Spruce	Poletimber Well	25.7	100	Unspecified	
20	4130 - Aspen	Sapling Well	1.4	6	Immature	
21	4130 - Aspen	Sapling Well	3.1	17	Immature	Some scattered balsam fir in the understory
22	42320 - Upland Spruce	Poletimber Well	3.1	60	Unspecified	Old stand, but within river buffer
23	6120 - Lowland Cedar	Poletimber Well	180.4	100	Unspecified	Higher areas are around the edges and is where most of the other species are besides cedar
24	4130 - Aspen	Poletimber Well	23.8	31	Immature	Good quality. Opening in NW part of stand.
25	4110 - Sugar Maple Association	Poletimber Well	27.3	88	81-110	Good quality sugar maple Sub merchantable aspen not cut from clear cut on east side Vernal pond on east side on edge of aspen stand
26	6123 - Lowland Fir	Poletimber Medium	7.1	37	Unspecified	The SW corner is a pure black spruce stand Balsam firs are being hit by SBW on the tops
27	4130 - Aspen	Sapling Well	43.9	6	Immature	Pockets of lowland where tag alder is growing with very poor aspen regen.  A few pockets of residual cedar and black spruce
28	4110 - Sugar Maple Association	Poletimber Well	14.3	90	81-110	Poor to good quality sugar maple and basswood
31	4130 - Aspen	Poletimber Well	48.3	38	Unspecified	Fair to good quality aspen. Scattered balsam fir in the overstory.
32	4130 - Aspen	Sapling Well	23.7	26	Immature	Aspen fades into white spruce on west side
37	4130 - Aspen	Sapling Well	46.4	6	Immature	OPIC - FMD: See locked comments. Protect transition to lowland type -retention.  A few residual white pine scattered.
38	4110 - Sugar Maple Association	Poletimber Well	14.9	90	51-80	Good quality sugar maple and basswood. Scattered yellow birch. Raspberries in any sunny spot.

s t	Crystal Falls	Mgt. Unit		Report 7	- Forested	Stands Compartment: 47 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	4130 - Aspen	Poletimber Well	4.3	46	81-110	Good quality aspen
40	4130 - Aspen	Sapling Well	26.5	27	Immature	Fair to good quality aspen A drainage cuts the stand from west to east with a lot of dead fallen aspen in it Scattered overstory balsam fir
41	6120 - Lowland Cedar	Poletimber Well	31.6	89	171-200	Large paper birch scattered and still alive Scattered white spruce in the overstory Scattered black ash In the really wet spots Balsam fir understory is scattered on the east side
43	4137 - Aspen, Birch	Sawtimber Well	29.2	89	81-110	Spruce and balsam are younger than the aspen and birch. A lot of blow down and snags.  A few tamarack, yellow birch, cedar around edges Scattered very large old stumps.  Bordering on the next canopy closure level down. Quality:  Aspen: over mature, medium quality Paper Birch: some healthy but most in decline Balsam Fir, White, and Black spruce: Over mature, hard hit by SBW  Red Maple: very poor Scattered poor quality cherry
46	6122 - Black Spruce	Poletimber Well	53.4	35	Unspecified	
49	6139 - Mixed Lowland Forest	Poletimber Well	15.5	70	Unspecified	
50	4130 - Aspen	Sapling Well	24.4	7	Immature	
51	4130 - Aspen	Sapling Medium	36.8	18	Immature	There are low areas throughout this stand with tamarack, tag alder, and red maple.  There are a few scattered old stumps, possibly white pine Scattered white pine throughout the stand
52	6120 - Lowland Cedar	Sawtimber Well	9.8	90	Unspecified	
53	4134 - Aspen, Spruce/Fir	Poletimber Well	26.8	36	Unspecified	Red maple is more concentrated in the south and also scattered throughout the stand in the lower areas.  Ash seedlings are also around the lower areas  There is scattered white spruce and paper birch throughout the stand.  On the far east side the site primarily consists of very large spruce and balsam, and a few large aspen.  Firs are being hit by SBW
54	4130 - Aspen	Poletimber Medium	49.9	36	Unspecified	Scattered sugar maple, yellow birch, and paper birch
59	6120 - Lowland Cedar	Poletimber Well	7.8	79	Unspecified	

S t a n d	Crystal Falls Mgt. Unit			Report 7	<ul><li>Forested</li></ul>	Stands Compartment: 47 Year of Entry: 2018
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4110 - Sugar Maple Association	Poletimber Well	1.0	74	81-110	Poor to good quality sugar maple. A lot of 2 and 3+ stem clumps Scattered yellow birch and paper birch
62	4130 - Aspen	Poletimber Well	47.2	45	81-110	Aspen is very good quality and sugar maple and red maple are poor quality.  Scattered paper birch, yellow birch, and cherry.  The stand overall is highly variable in age.
63	4112 - Maple, Beech, Cherry Association	Poletimber Medium	15.3	80	81-110	Scattered cherry, yellow birch, and paper birch. Red maple is mostly from stump sprouts. Thick aspen regen west of road with scattered red maple and balsam fir super canopy and a few cedars near the low area.
64	6121 - Tamarack	Poletimber Well	31.7	75	111-140	Scattered quaking aspen, cedar, and red maple Some stagnant wet drainages
65	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	71.0	65	111-140	Bed and bank connecting 2 Z0 stands. Its about 6" deep and continues through onto private.  Balsam fir, black spruce, and tag alder scattered throughout the understory

4139 - Aspen, Mixed Deciduous

68

Sawtimber

Medium

5.7

65

111-140

Great quality aspen
Red maple is clumpy and poor
Spruce and balsam being hit by SBW
Paper birch is fair quality

Compartment: 47 Year of Entry: 2018



Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	44.3	No	Ford River.
29	622 - Lowland Shrub	5.1	No	
30	622 - Lowland Shrub	19.2	No	
34	500 - Water	4.7	No	Beaver pond
35	500 - Water	1.5	No	Beaver pond
36	622 - Lowland Shrub	13.0	No	Bed and bank stream connecting 2 Z0 areas and continuing to private Some scattered balsam fir, black spruce, tamarack, and balsam poplar along the edges.
42	622 - Lowland Shrub	40.5	No	Lowland with trees on the edges
44	3104 - Degraded	4.5		Mostly a grassy opening now with a balsam poplar pocket on the east side
47	790 - Other Bare/Sparsely Vegetate	13.2		Just a big field of slash. A few residual conifer saplings and some tag alder.
48	622 - Lowland Shrub	11.2	No	Ford river
55	622 - Lowland Shrub	53.3	No	Grassy lowland with some tag alder and some conifer saplings
56	500 - Water	14.7	No	Fox Lake and beaver pond
57	790 - Other Bare/Sparsely Vegetate	2.0		Non regenerated stand
58	622 - Lowland Shrub	2.5	No	Tag alder has filled in
61	622 - Lowland Shrub	3.3	No	
67	790 - Other Bare/Sparsely Vegetate	2.8	No	No regeneration at all from previous harvest
400	3102 - Grass	2.2	Yes	Seeded road with mixed conifer saplings in it
401	3102 - Grass	6.4	Yes	Seeded road with scattered conifers around the edges

# Report 8 - Nonforested Stands

Compartment: 47 Year of Entry: 2018



Stand	Cover Type	Acres	Managed Site	General Comments:
402	3102 - Grass	4.9	Yes	Seeded road with scattered conifers along the edges
403	3102 - Grass	1.3	Yes	Seeded road with scattered conifer saplings along the edges
404	3102 - Grass	4.8	Yes	Seeded road with scattered conifer along the edges
405	3102 - Grass	7.1	Yes	Seeded road with scattered conifers along the edge
406	3102 - Grass	1.7	No	Grassy opening with small pockets of conifers