

# **Compartment Review Presentation**

**Crystal Falls Forest Management Unit** 

Compartment 12004
Entry Year 2027
Acreage: 2,601
County: Dickinson

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Deb Goupell

**Legal Description:** 

T44N-R29W SECTIONS 5, 6, 7. T44N-R30W SECTIONS 1, 2, 11 & 12.

#### **Identified Planning Goals:**

Our management goals in this compartment are to develop age class distribution in aspen types. Maintain health of conifer types and increase acreage where possible. Develop the quality while maintaining diversity in hardwood types. Maintain buffers on lakes and streams and maintain and improve road system.

#### Soil and topography:

A mix of Zimmerman fine sand, 18 to 35 percent slopes, rolling, excessively well drained soil on foot slopes, side slopes, and ridges and Pemene fine sandy loam, 6 to 18 percent slopes, gently rolling, well drained soil is on foot slopes, side slopes, and ridges in the uplands.

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

Ownership patterns in this compartment consist mostly of State lands with some company (Lyme Great Lakes) and private parcels and hunting camps. Lands in and around this compartment are used mainly for hunting and managed for forest products.

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

Parmalee Lake, Floodwood Lakes, and Michigamme River.

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

One identified in opening west of M-95

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

None identified.

#### **Watershed and Fisheries Considerations:**

100 foot buffers should be implemented around any lake, non-trout stream, and emergent wetland plus 5 feet per 1% increase of slope. An increased slope should also be considered when determining appropriate buffer. There are also wetland areas within this compartment (https://www.mcgi.state.mi.us/wetlands/mcgiMap.html#) If any treatments are near a wetland area, best management practices should be incorporated which include a 100' buffer. Streams, regardless of their size or frequency of flow, are connected to downstream waters and strongly influence their function. Additionally, wetlands and open waters in riparian areas and floodplains are physically, chemically, and biologically integrated with rivers via functions that improve downstream water quality. These systems act as effective buffers to protect downstream waters from pollution and are essential components of river food webs. BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

#### Wildlife Habitat Considerations:

This compartment is the only large opening complex in the Ralph Management Area. It has been managed historically with fire and herbaceous plantings to discourage encroachment by trees and shrubs. The grassland associated species that this area is currently managed for once included sharp-tailed grouse and migrating geese. Herbaceous plantings meet forage needs of deer leaving the conifer cover of the Floodwood Deer Wintering Complex which incorporates this compartment. Oak and Hazel understory in aspen stands provide highly sought after mast for bear, deer, turkeys and grouse.

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

No known potential exists for commercial oil & gas production in this part of the state. The closest active sand/gravel operation is roughly two miles north of the compartment. There is some 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 past test drilling for iron ore has occurred in the area, and while it appears likely that iron formations

occur beneath the compartment, the depth and thickness of the formation and the grade of ore may make the minerals uneconomical to extract. Potential for the occurrence of other metallic and/or critical minerals is not known. There are active leases involving State-owned mineral rights three miles east of the compartment. Potential for commercial development of metallic minerals from beneath the compartment is considered low at this time, but this could change with additional investigations into the subsurface geology of the area.

#### **Vehicle Access:**

M-95, Floodwood Road, Khoury Road and associated woods roads.

#### **Survey Needs:**

Several needed.

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

Hunting and fishing.

#### **Fire Protection:**

### **Additional Compartment Information:**

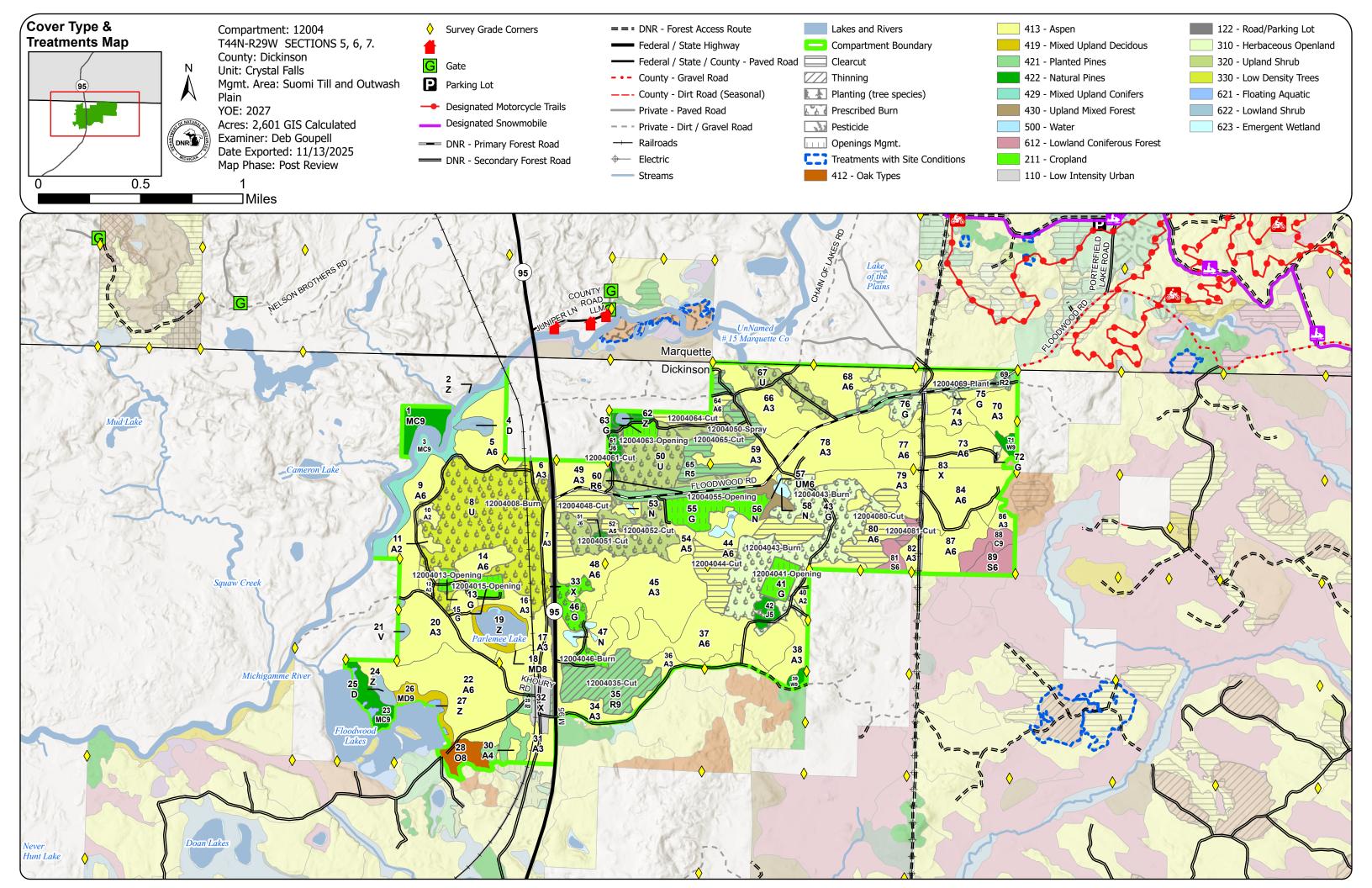
None.

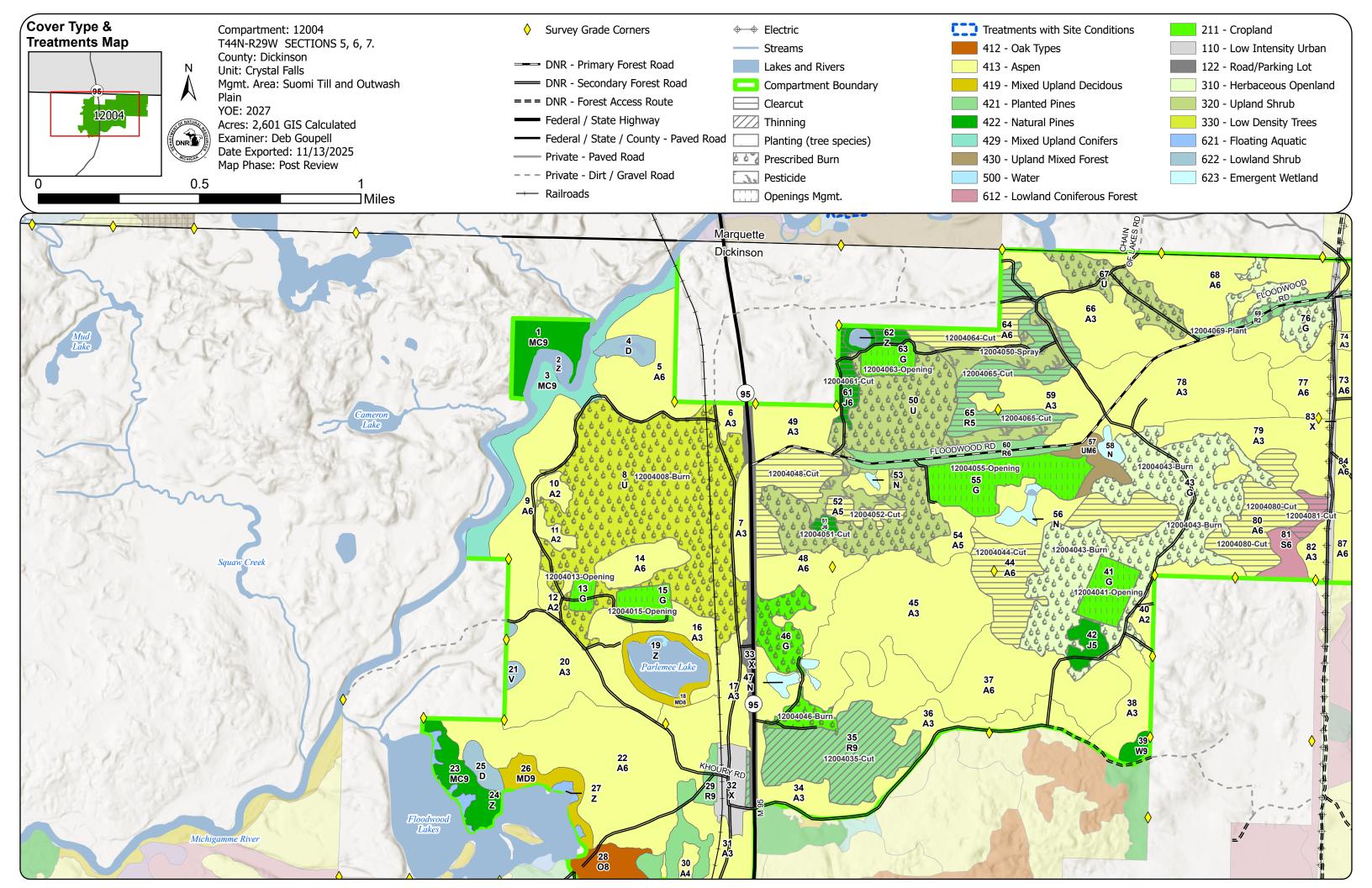
The following reports from the Inventory are attached:

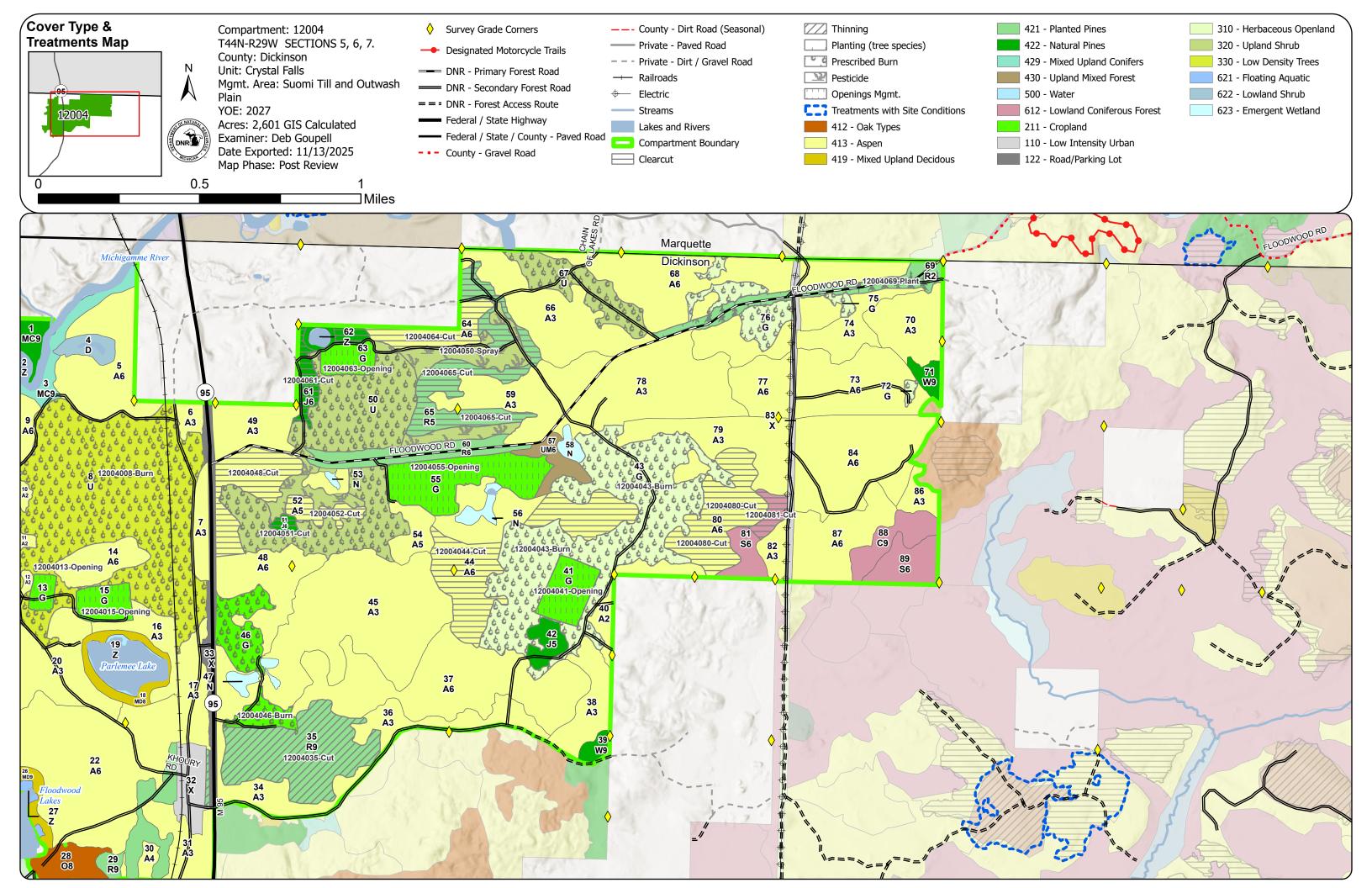
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

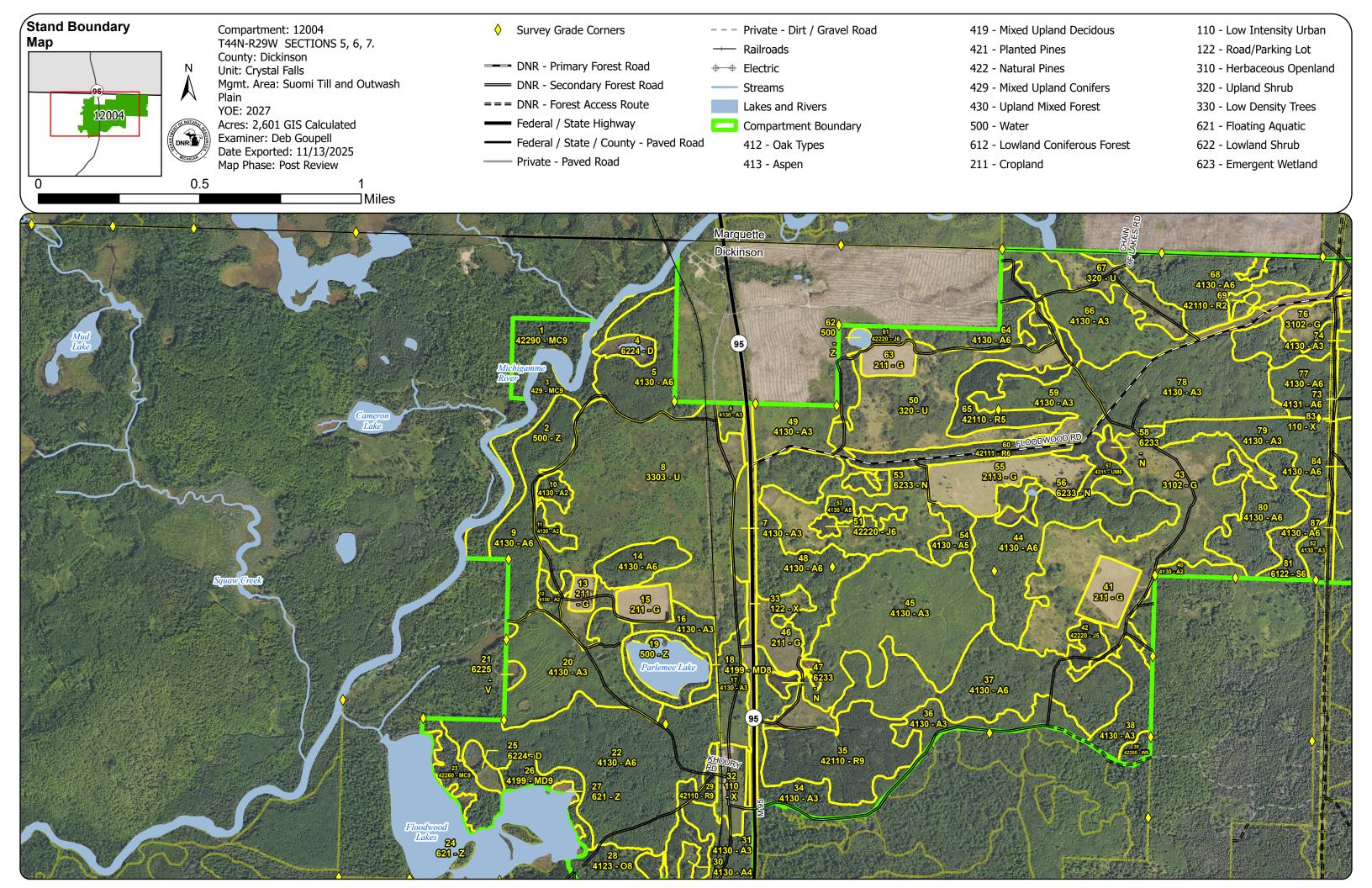
The following information is displayed, where pertinent, on the attached compartment maps:

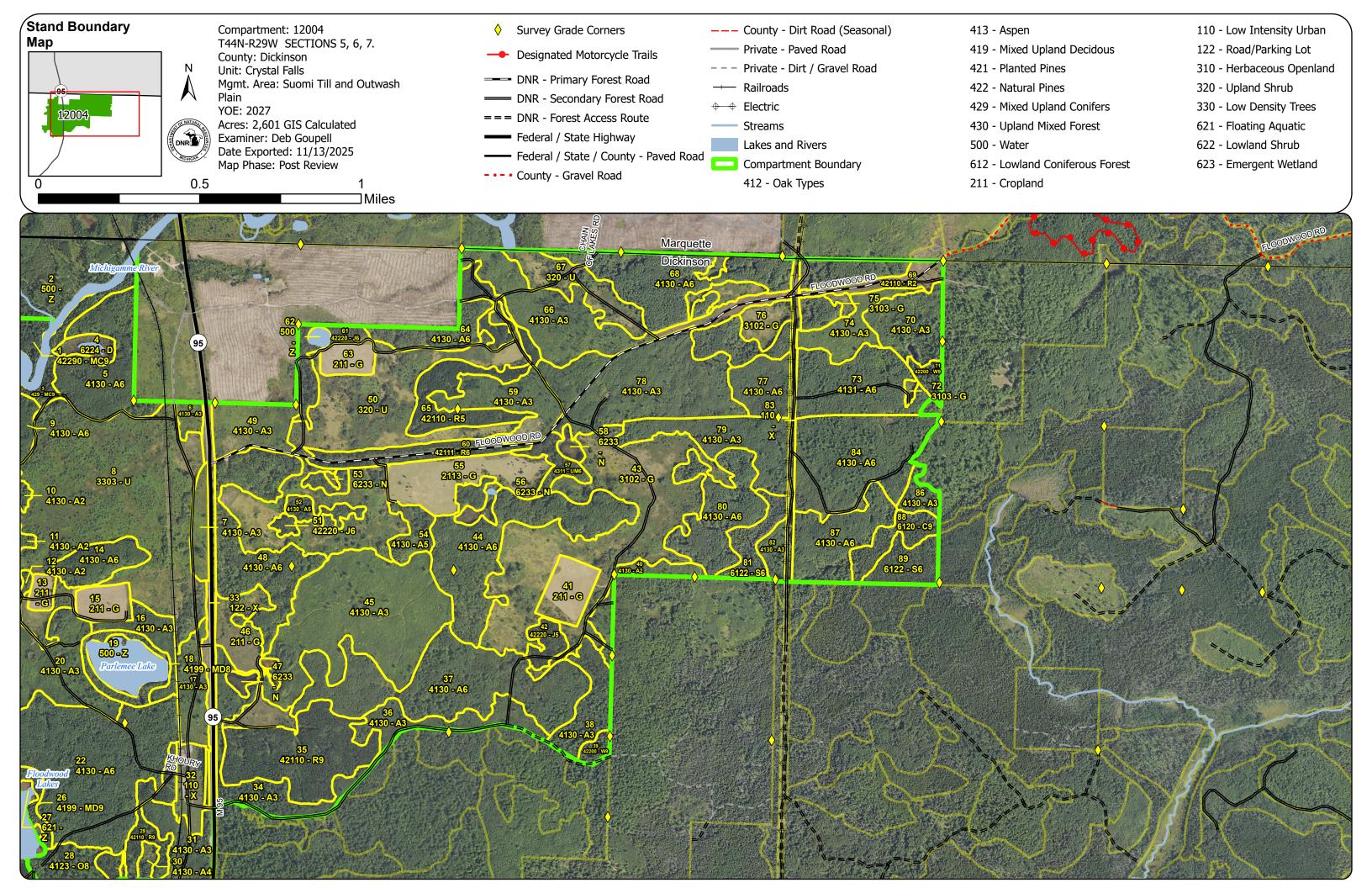
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

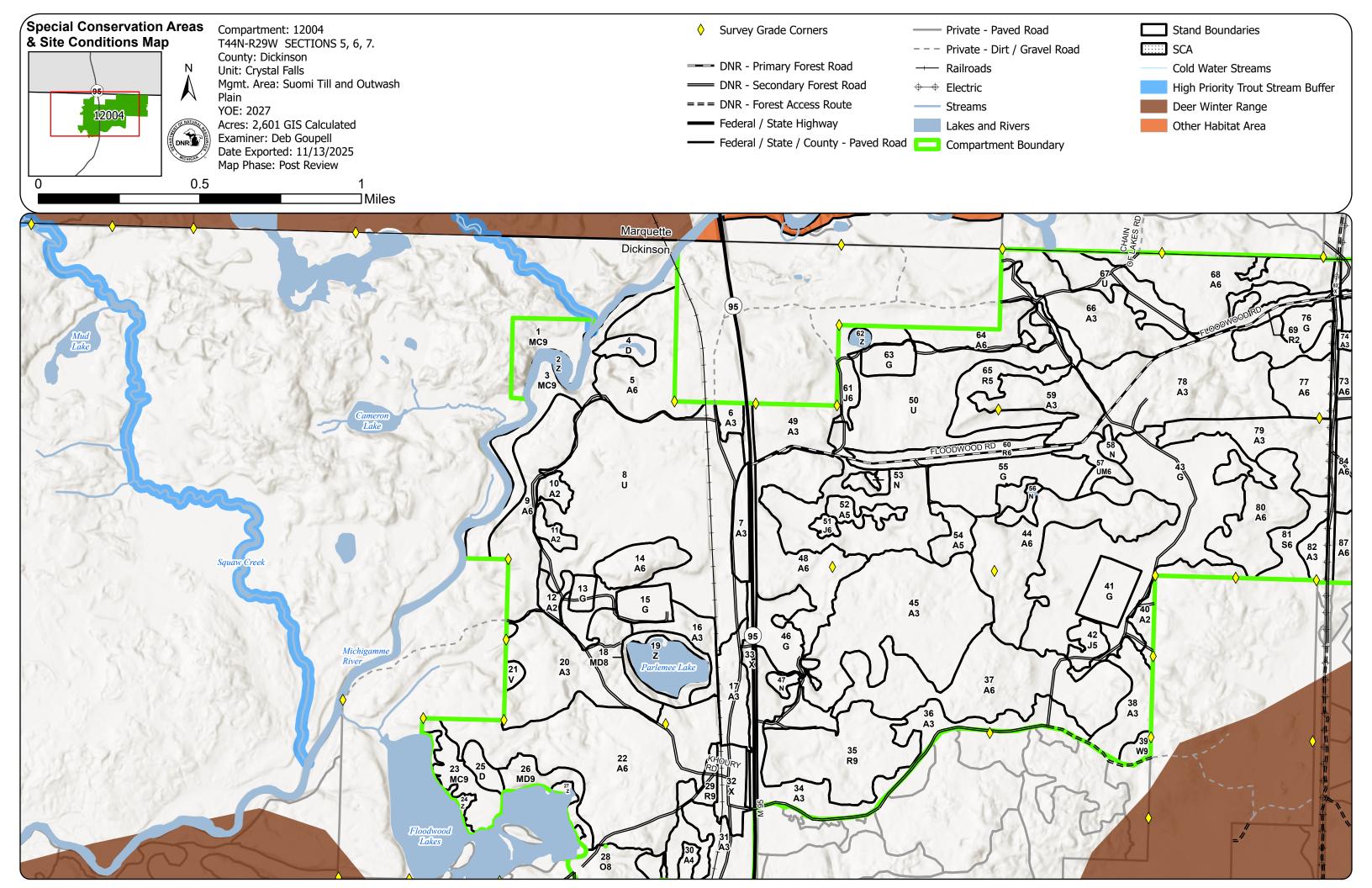


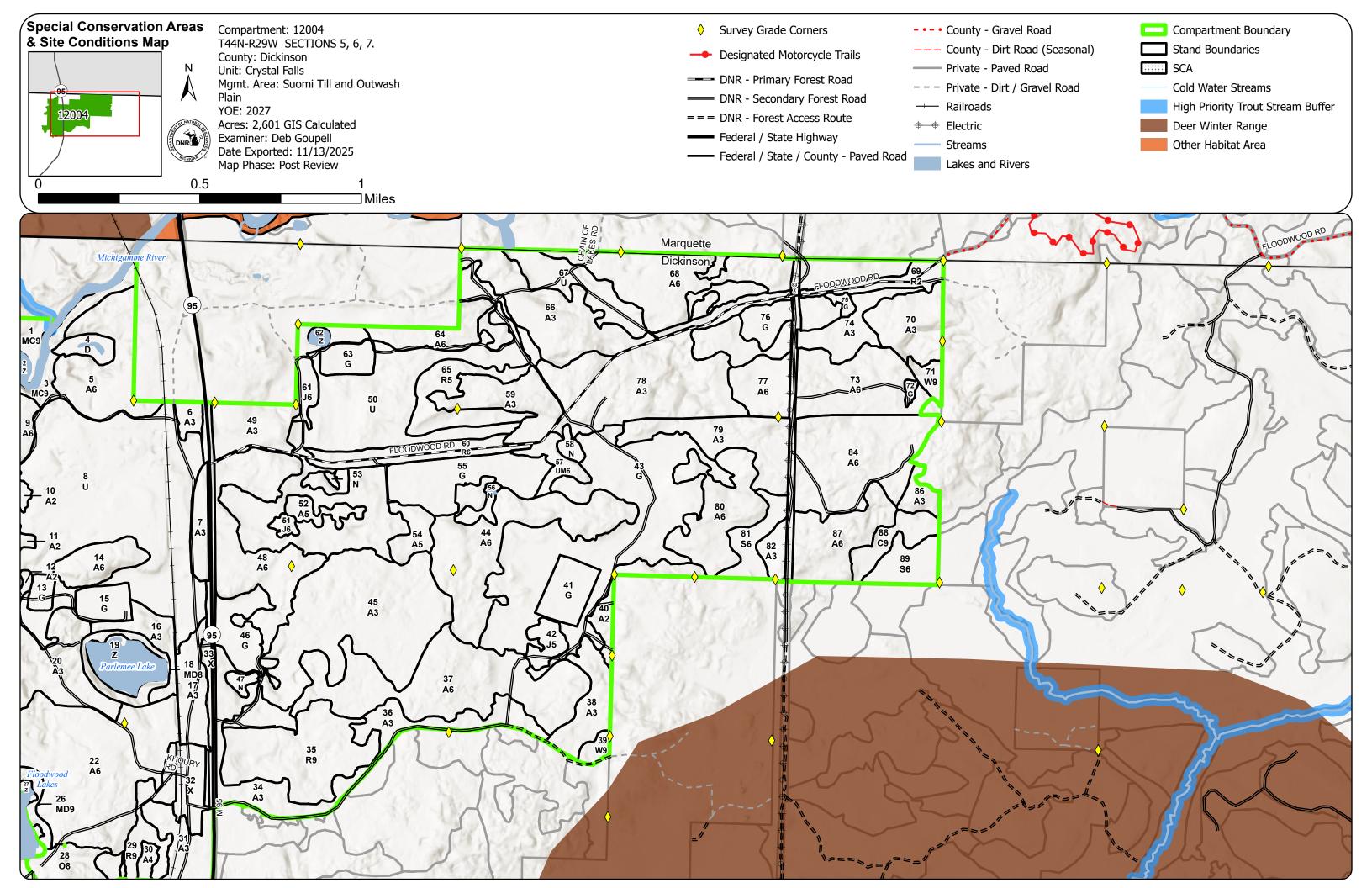












Compartment 4

Year of Entry 2027

Crystal Falls Mgt. Unit

Deb Goupell: Examiner



#### Age Class

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	<b>₹</b> oc	got /	8 / 2			3 / 12		8		\$\ \$	* / &		27.27	& \\				Z Jres	Too Too
Aspen	0	350	195	149	259	426	0	91	0	0	0	0	0	0	0	0	0	0	1469
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Cropland	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
Herbaceous Openland	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	158
Jack Pine	0	0	0	0	0	12	0	15	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	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	0	0	0	0	0	0	0	32	0	0	0	0	0	0	32
Marsh	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	0	0	0	15	0	0	0	11	0	0	0	0	0	0	0	0	26
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	42
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Red Pine	0	21	0	0	63	0	0	82	0	0	0	0	0	0	0	0	0	0	166
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	37
Upland Mixed Forest	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Upland Shrub	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166
Urban	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Water	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
White Pine	0	0	0	0	0	0	0	0	0	0	6	4	0	0	0	0	0	0	10
Total	751	371	195	149	332	453	0	188	0	11	85	51	0	0	0	0	0	19	2601



# **Report 2 – Treatment Summary**

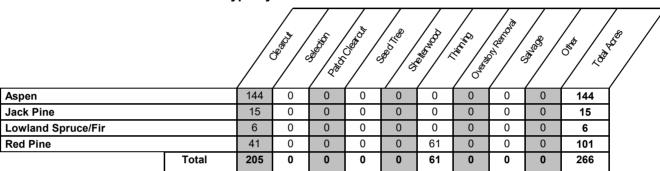
Crystal Falls Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

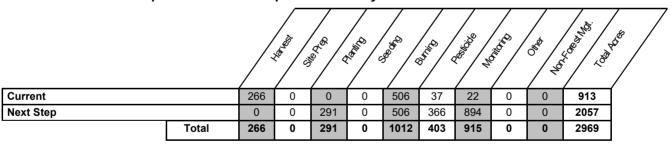
Compartment 4
Total Compartment Acres: 2,601

Commercial Harvest - 1018 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: 12004 Year of Entry: 2027

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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

#### **Approved Treatments:**

8 12004008-191.7 3303 - Mixed Low 99 Burn Prescribed Burn 3105 - Mixed Previous No Burn **Density Trees** Upland Inventory

Herbaceous

310 -

Herbaceous

Openland

Openings Mgmt. Openings Mgmt.

Previous

Inventory

No

Prescription Rx burn and/or mechanical opening maintenance

Specs:

Next Step Monitoring, Habitat Monitoring; Burn, Prescribed Fire

Treatments:

Acceptable Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 04/01/2026

13 12004013-5.2 211 - Cropland 99 Openings Mgmt. Openings Mgmt. 310 -Previous No Herbaceous Inventory Opening Openland

Prescription opening maintenance- disc, seed, fertilize, mow, burn, herbicide

Specs:

Next Step Treatments:

Acceptable

Regen:

Other

15

Comment:

Site Condition:

Proposed Start Date: 10/01/2025

11.7

12004015-

Opening

211 - Cropland

99

Prescription opening maintenance- disc, seed, fertilize, mow, burn, herbicide Specs:

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2025

Site Condition:

Regen:
Other
Comment:

Proposed Start Date: 10/01/2026

Acceptable aspen, mixed softwood, mixed hardwood

Next Step Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Pesticide, Aerial - Release; Monitoring, Artificial

<u>Treatments:</u> Regen (3yr); Planting, Interplant

<u>Acceptable</u> red pine <u>Regen:</u>

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Site Condition:

Specs:
Next Step
Treatments:
Acceptable
Regen:
Other
Comment:

Proposed Start Date: 10/01/2025

Prescription opening maintenance- disc, seed, fertilize, mow, burn, herbicide

Compartment: 12004

Year of Entry: 2027

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a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	12004064-Cut	18.0	4130 - Aspen	6	60		Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
Preso		arvest usin	g 2" spec. No rete	ntion due t	to plantii	ng operatio	ons post harvest.				
	<u>Step</u> Pesticion Ements: Regen		- Site Prep; Plan nting, Interplant	ting, Unfur	rowed;	Monitoring	g, Artificial Reger	n; Pesticide, Ae	rial - Release; M	onitoring, Artif	icial
Acce Rege	<u>ptable</u> Planted en:	Red Pine,	Mixed conifers								
Other Comr	<u>r</u> ment:										
Site (	Condition:										
Propo	osed Start Date:	10/01/202	26								
65	12004065-Cut	40.7	42110 - Planted Red Pine	5	32	Immatu re	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
Preso Spec		arvest usin	g 2" spec. No rete	ntion due t	to plantii	ng operatio	ons post harvest.				
	<u>Step</u> Pesticion	de, Skidder (3yr); Plar	- Site Prep; Plan nting, Interplant	ting, Unfur	rowed;	Monitoring	g, Artificial Reger	n; Pesticide, Ae	rial - Release; M	onitoring, Artif	icial
Acce Rege	<u>ptable</u> Red Pir en:	ne, Mixed c	onifers								
Other Comr	<u>r</u> ment:										
Site (	Condition:										
Propo	osed Start Date:	10/01/202	26								
69	12004069- Monitor	21.5	42110 - Planted Red Pine	2	3	Immatu re	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine	Planting Record	No
Preso Spec	cription Count F	Planted Pine	е								
	Step tments:										
Acce Rege	<u>ptable</u> Planted en:	Red Pine									
Other Comr	<u>r</u> ment:										
Site (	Condition:										
Propo	osed Start Date:	10/01/202	25								
80	12004080-Cut	38.7	4130 - Aspen	6	49	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
Preso Spec	<u>cription</u> Final ha s: red pine	arvest all st e, oak. Leav	ems 3" and greate ve mature conifer a	r dbh. Rete along uncu	ention hat t swamp	as been re o edge as	quested by WLD available.	in northwest lob	e, reflected in trea	itment. Leave	white pine
	Step Monitor ments:	ing, Natura	ıl Regen (Re-Inven	tory)							
Acce Rege		aspen, mixe	ed hardwood, mixe	d softwood	I						
Other Comr	<u>r</u> ment:										
Site (	Condition:										
		10/01/202									

S	C	rystal Fall	ls Mgt. Unit		Repo	rt 3 <sup>-</sup>	Treatments		Compartmer Year of Entr		DNR DIRECTOR
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
81	12004081-Cut	5.7 (	6122 - Black Spruce	6	101	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Planting Record	No
Pres Spe		arvest all	stems 3" and greater	dbh. Lea	ve ceda	r, white pi	ne, red pine, oak	i.			
	<u>t Step</u> Monito <u>atments:</u>	ring, Natu	ral Regen (Re-Invent	ory)							
Acc Reg		ack, Sprud	ce, Mixed conifers, M	ixed hard	woods						
Othe Con	e <u>r</u> nment:										
Site	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/2	026								

Total Treatment 912.5 Acreage Proposed:

# Report 4 - Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell: Examiner





#### **Availability for Management** Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 3J 5E Acres 3H Aspen Bog Cedar Cropland Herbaceous Openland Jack Pine Low-Density Trees Lowland Spruce/Fir Marsh Mixed Upland Deciduous Natural Mixed Pines Oak Red Pine Treed Bog **Upland Conifers Upland Mixed Forest Upland Shrub** Urban Water White Pine 2,340 2,192 **Total Forested Acres** 6% 94% 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.

1 Unavailable 3J: Water quality/BMPs 37 Unspecified Unspecified Unspecified Unspecified (stream, river, or lake)	Unspecified	Unenecified					
		Orispecified	Unspecified	Unspecified	37	Unavailable	1
Comments:						Comments:	(

# **Report 4 – Site Conditions**

Crystal Falls Mgt. Unit

Deb Goupell: Examiner



2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Buffer for Michigan	nme River.					
4	Unavailable	5E: Long-Term Retention	15	1C: Other Dept. or Div. process	Unspecified	Unspecified	Unspecified
	Comments: saved per WLD red	quest for roosts for turkey					
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible	4	Unspecified	Unspecified	Unspecified	Unspecified
		with harvest at this time					
	Comments:						
8	Unavailable	3J: Water quality/BMPs	5	3A: Conservation values	Unspecified	Unspecified	Unspecified
		(stream, river, or lake)		incompatible with harvest at this time			
	Comments: WLD requests larg	er area around vernal for roost t	trees f	or turkey			
	/0005 40:50:40 AM D-						

# Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell: Examiner



		(stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments:						
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand in good shap	pe.					
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand in good shap	oe.					
13	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Held for turkey roos	st per WLD request					
14	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100 foot buffer on I	Parmalee Lake.					

# Report 4 – Site Conditions

Crystal Falls Mgt. Unit

Deb Goupell: Examiner





15	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	<b>comments:</b> 00 foot buffer on F	Floodwood Lakes.					
16	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	15	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	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 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
1	42290 - Natu	ıral Mixed	Pine S	Sawtimb	er Well	22.6	96	51-80	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	20	Log/Pole/Sap	10		R	ed Oak	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	10	Log/Pole/Sap	10		R	ed Pine	Low	5 - 10 feet	5 - 10 feet	
	White Pine	40	Log/Pole/Sap	16	96						_
	Red Pine	30	XLog/Log/Pole	e 18	96						
2	500 -	- Water		Noi	ne	15.0			No		Michigamme River.
3	429 - Mixed L	Jpland Cor	nifers S	Sawtimb	er Well	36.9	96	81-110	N/A		OPIC - FMD: Buffer for Michigamme River.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Log/Pole/Sap	12		Hazelnı	ut (American)	Low	5 - 10 feet	5 - 10 feet	
	Paper Birch	10	Log/Pole	10							
	Quaking Aspen	20	Log/Pole/Sap	12							
	White Spruce	10	Log/Pole/Sap	12							
	White Pine	40	Log/Pole/Sap	14	96						
	Red Pine	10	Log/Pole/Sap	14							
4	6224 - 7	Treed Bog		Noi	ne	7.5			No		OPIC - FMD: OI Stand Year Origin was 1929
5	4130	- Aspen	P	oletimb	er Well	45.5	37	81-110	N/A		Cameron Lake TS 1988. Small inclusion BS south of bog. Saw a
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	couple of red oak and red pine SE corner
	Red Maple	10	Pole/Sapling	6	37	Che	erry (spp.)	Low	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	90	Pole/Sapling	7	37	Hazelnı	ut (American)	Medium	5 - 10 feet	5 - 10 feet	
6	4130	- Aspen		Sapling	y Well	5.1	6 I	mmature	N/A		Parmalee Mix 2019
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Quaking Aspen	98	Sapling	1	6						
	Red Pine	2	Log/Pole	12							
7	4130	- Aspen		Sapling	y Well	11.0	6 I	mmature	N/A		Parmalee Mix TS cut 2019
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Quaking Aspen	98	Sapling	1	6						
	Red Pine	2	Pole	8							
8	3303 - Mixed L	ow Density	/ Trees	Noi	ne	191.7			No		Lots of cherry 1-8" dbh, red pine 5-12" dbh, aspen 1-7" dbh



Stand	d Level 4 C	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	ite	General Comments
9	4130	- Aspen		Poletimber Well	47.1	47	81-110	N/A		Scattered large white pine and a few oaks. Brushy understory; aspen ranges from 7-16"dbh
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Tanges nom 7-16 dbn
	Red Maple	5	Pole/Sapling	g 6	Hazelnı	ut (American)	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	95	Pole	9 47	Wh	nite Pine	Low	5 - 10 feet	5 - 10 feet	
					Re	d Maple	Medium	Variable	Variable	
10	4130	- Aspen	;	Sapling Medium	5.3	25	Immature	N/A	1	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Quaking Aspen	100	Sapling	4 25	Che	erry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
11	4130	- Aspen	;	Sapling Medium	5.4	25	Immature	N/A	1	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	100	Sapling	4 25	Che	erry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
12	4130	- Aspen	:	Sapling Medium	6.3	25	Immature	N/A	1	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Quaking Aspen	100	Sapling	4 25	Che	erry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
13	211 - 0	Cropland		None	5.2			Yes	3	SEEDED GOOSE PASTURE; Mowed 9/2024
14	4130	- Aspen		Poletimber Well	17.8	47	81-110	N/A		Very little conifer in here. Steep but harvestable.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	85	Pole	9 47	Re	d Maple	Low	Variable	Variable	
	Bigtooth Aspen	15	Log/Pole	10	Hazelnı	ut (American)	Medium	5 - 10 feet	5 - 10 feet	
15	211 - (	Cropland		None	11.7			Yes	3	SEEDED GOOSE PASTURE; Mowed 9/2024
16	4130	- Aspen		Sapling Well	14.7	17	Immature	N/A	1	Parmalee Lake TS cut 2008
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	5	Sapling	1 17	Hazelnı	ut (American)	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	95	Sapling	1 17						_
17	4130	- Aspen		Sapling Well	19.6	6	Immature	N/A		Parmalee Mix TS 2019
	Canopy Species	% Cover	Size Class	DBH Age						
	Quaking Aspen	98	Sapling	1 6						
	Red Pine	2	Log/Pole	10						



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
18	4199 - Other Mixe	d Upland D	eciduous Sa	wtimbe	Medium	n 11.4	80	81-110	N/A		Buffer for Parmalee Lake.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	s Density	Avg. Height	Size	
	Red Maple	35	Log/Pole/Sap	10	80	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Red Oak	25	Log/Pole/Sap	12	80						_
	Paper Birch	5	Log/Pole	10							
	Quaking Aspen	30	Log/Pole/Sap	10	80						
	Bigtooth Aspen	5	Log/Pole	10							
19	500 -	- Water		Noi	ne	19.7			No		Parmalee Lake.
20	4130	- Aspen		Sapling	g Well	68.5	6	Immature	N/A	<b>.</b>	Parmalee Mix TS cut 2019
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Quaking Aspen	100	Sapling	1	6						
21	6225	5 - Bog		Nor	ne	3.4			No		
22		- Aspen	F	Poletimb		133.0	49	81-110	N/A		Scattered large pine and oak. Pockets of small red maple. Fair amount of oak seedlings.
	Canopy Species	% Cover	Size Class	DBH	I Age		opy Species	s Density	Avg. Height	Size	amount of oak securings.
	Red Maple	10	Pole	9		Red	d Maple	Full	10 - 20 feet	10 - 20 feet	
	Red Oak	5	Log/Pole/Sap	12			ed Oak	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	5	Pole/Log	9		Wh	ite Pine	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	70	Pole/Log	9	49	Hazelnu	t (American)	High	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	10	Pole	9							
23	42260 - Natural Pi	ne, Mixed [	Deciduous S	Sawtimb		18.9	90	111-140	N/A		Nice mixed conifer stand some white birch, red maple, aspen
	Canopy Species	% Cover	Size Class		l Age	Sub-Car	opy Species	s Density	Avg. Height	Size	Southered on edges
	Red Maple	15	Log/Pole/Sap				sam Fir	Low	5 - 10 feet	5 - 10 feet	
	Paper Birch	5	Log/Pole	10		Red	d Maple	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	10	Log/Pole/Sap								
	White Spruce	10	Log/Pole/Sap								
	White Pine	50	Log/Pole/Sap		90						
	Red Pine	10	Log/Pole/Sap	16	90						
24	621 - Floa	iting Aquati	С	Nor	ne	4.7			No		



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
26	4199 - Other Mixe	d Upland D	eciduous S	Sawtimb	er Well	14.7	45	81-110	N/A		Stand has slightly more oak than adjacent aspen stand, but should be
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cut with adjacent next entry. Lowland pocket in far northwest can als be cut. A few white pine in here.
	Red Maple	20	Pole/Log	9		R	ed Oak	Medium	10 - 20 feet	10 - 20 feet	'
	Red Oak	25	Log/Pole	12		Hazelnı	ıt (American)	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	10	Pole	9							
	Quaking Aspen	30	Pole	9	45						
	Black Spruce	5	Pole	9							
	Tamarack	10	Log/Pole	10							
27	621 - Floa	ating Aquati	С	Nor	ne	2.6			No		
28	4123 -	Red Oak	Sa		Medium	19.3	90	51-80	N/A		Parmalee Mix cut 2019. Tiny pocket of RP in northwest. Oak BA: 50 100, 90, 20. West end is heavier to solid oak, aspen is filling in east,
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	pocket of lowland in north.
	Red Oak	100	Log/Pole/Sap	12	90	Hazelnı	ıt (American)	Medium	5 - 10 feet	5 - 10 feet	
						Quak	ing Aspen	Medium	5 - 10 feet	5 - 10 feet	
						R	ed Oak	Low	5 - 10 feet	5 - 10 feet	
						Re	d Maple	Medium	Variable	Variable	
29	42110 - Pla	nted Red P	ine S	Sawtimb		21.8	66	111-140	N/A		Thinned Parmalee Mix TS 2019
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	
	Red Pine	100	Log/Pole	10	66		rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
						Wh	ite Pine	Low	5 - 10 feet	5 - 10 feet	
30	4130	- Aspen	Б								
		•	Г	oletimb	er Poor	4.2	41	1-50	N/A		opening filling in with aspen/cherry
	Canopy Species	% Cover			er Poor I <b>Age</b>	4.2	41	1-50	N/A		opening filling in with aspen/cherry
	Canopy Species Quaking Aspen					4.2	41	1-50	N/A		opening filling in with aspen/cherry
		% Cover	Size Class	DBH	Age	4.2	41	1-50	N/A		opening filling in with aspen/cherry
31	Quaking Aspen Black Cherry	<b>% Cover</b> 60	Size Class Pole Pole/Sapling	<b>DB</b> H	41	21.8		1-50 mmature	N/A		opening filling in with aspen/cherry  Pipe TS 1998. Trace amounts of oak saplings
31	Quaking Aspen Black Cherry	% Cover 60 40	Size Class Pole Pole/Sapling	7 6 Sapling	41 Well	21.8			N/A		
31	Quaking Aspen Black Cherry 4130	% Cover 60 40 - Aspen	Size Class Pole Pole/Sapling	7 6 Sapling	41 Well	21.8 <b>Sub-Ca</b>	27 lı	mmature	N/A		
31	Quaking Aspen Black Cherry 4130 Canopy Species	% Cover 60 40 - Aspen % Cover	Size Class Pole Pole/Sapling Size Class	DBH 7 6 Sapling	41 Well	21.8 Sub-Car	27 lı nopy Species	mmature  Density	N/A	Size	
31	Quaking Aspen Black Cherry  4130  Canopy Species Quaking Aspen	% Cover 60 40  - Aspen % Cover 75	Pole/Sapling  Size Class Sapling	DBH 7 6 Sapling DBH 4	41 Well	21.8 Sub-Car	27 II nopy Species rry (spp.)	mmature  Density  Medium	N/A Avg. Height 10 - 20 feet	Size 10 - 20 feet	
31	Quaking Aspen Black Cherry  4130  Canopy Species Quaking Aspen Balsam Poplar	% Cover	Pole/Sapling  Size Class Sapling Sapling Sapling Log/Pole	DBH 7 6 Sapling DBH 4 4	Well Age 27	21.8 Sub-Car	27 Innopy Species	mmature  Density  Medium	N/A Avg. Height 10 - 20 feet	Size 10 - 20 feet	



Stand	d Level 4 C	over Type		Size Dens		Acres	Stand Age I	BA Range	Managed S	ite	General Comments
34	4130		Sapling		'ell 32.1	17	Immature	N/A		Parmalee Lake TS cut 2008. Good mixed stand of aspen, red maple,	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	oak (saps, poles, scattered logs 10-12").Blackberry along road. Some autumn olive
	Red Maple	15	Sapling	2		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Red Oak	10	Log/Pole/Sap	10							-
	Quaking Aspen	70	Sapling	2	17						
	Red Pine	5	Log/Pole/Sap	12							
35	42110 - Planted Red Pine Sawtimbe					60.6 61 111-140			N/A		OPIC - FMD: OI Stand Year Origin was 1964. Thinned 1990. Two Line Mix TS thinned 2019.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Line Mix 13 thirmed 2019.
	Red Pine	100	Log/Pole	10	61	Re	d Maple	Low	5 - 10 feet	5 - 10 feet	
						Hazelnu	t (American)	Low	5 - 10 feet	5 - 10 feet	
						Wh	ite Pine	Low	5 - 10 feet	5 - 10 feet	
						Quak	ing Aspen	Medium	>20 feet	>20 feet	
						Che	rry (spp.)	Low	5 - 10 feet	5 - 10 feet	
36	4130 - Aspen				Well	24.1			N/A		Parmalee Lake Mix TS cut 2008. Good mixed stand of aspen, red
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	maple, oak (saps, poles, scattered logs 10-12")
	Quaking Aspen	95	Sapling	1	17	Che	rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
	Red Pine	5	Log/Pole	10		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
37	4130 - Aspen Poletimber V			er Well	94.7	37	81-110	N/A	1	Floodwood Landing TS cut 1988. Very little conifer	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Sapling	5		Che	rry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
	Red Oak	10	Log/Pole/Sap	10		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Pole	7	37	Wh	ite Pine	Trace	5 - 10 feet	5 - 10 feet	
38	4130	- Aspen		Sapling	Well	22.1	27	Immature	N/A		Clay TS cut 1998. scattered large oak and white pine.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Sapling	3		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Red Oak	10	Log/Pole/Sap	12							
	Quaking Aspen	65	Sapling	3	27						
	White Pine	5	Log/Pole/Sap	14							
	Red Pine	5	Log/Pole/Sap	12							
39	42200 - Natu	ural White I	Pine S	awtimb	er Well	4.3	101	81-110	N/A		
	Canopy Species	% Cover	Size Class		Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	White Spruce	5	Pole/Log/Sap	8		Hazelnu	t (American)	Low	5 - 10 feet	5 - 10 feet	
	White Pine	70	XLog/Log/Pole		101	Re	d Maple	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	25	XLog/Log	20	101	Quak	ing Aspen	Medium	>20 feet	>20 feet	
						\//h	ite Pine	Medium	5 - 10 feet	5 - 10 feet	



Stanc	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
40	4130 - Aspen		S	Sapling Medium		13.9	7	Immature	N/A		Floodwood Mix TS cut 2018
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Sapling	1	7	Che	rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
	White Pine	5	Log/Pole/Sap	12		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
41	211 - 0	Cropland		Nor	ie	16.7			Yes	3	SEEDED GOOSE PASTURE; mowed 9/2024
42	42220 - Nat	ural Jack P	ine Po	letimber	Mediur	n 8.5	40	51-80	N/A	\	younger jack pine is seeding into the edges of the stand
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Jack Pine	100	Pole/Sapling		40	Hazelnu	t (American)	Low	5 - 10 feet	5 - 10 feet	
						Che	rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
43	3102	- Grass		Nor	ie	135.0			No		scattered cherry, aspen, spruce, jack pine
44	4130		Poletimber Well			60	81-110	N/A		Smaller diameter aspen on edges & far north edge. Saw a couple 16" dbh and white birch ~10".	
	Canopy Species	% Cover	Size Class		Age		nopy Species		Avg. Height	Size	TO GET AND WHILE BIRDIT TO .
	Red Maple	15	Pole/Sap/Log		60		t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	85	Log/Pole	10	60	Re	d Maple	Full	10 - 20 feet	10 - 20 feet	
45	4130	- Aspen		Sapling	Well	109.2	6	Immature	N/A	\	Two Line Mix cut 2019
	Canopy Species % Cover Size C		Size Class	DBH	Age						
	Quaking Aspen	100	Sapling	1	6						
46	211 - 0	Cropland		Nor	ie	28.0			Yes	3	
47	6233 - W	et Meadow	,	Nor	ne	4.6			No		
48	4130	- Aspen	F	Poletimb	er Well	60.1	45	51-80	N/A	Λ	short aspen with rotting centers, poor site for aspen.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Pole/Sapling	7	45	Che	rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
	Red Pine	5	Pole	8		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
49	4130	- Aspen		Sapling		24.2	7	Immature	N/A	\	Floodwood Mix t-sale closed 6/8/18. Scattered cherry 1-5" dbh
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	82	Sapling	1	7						
	Bigtooth Aspen	7	Sapling	1							
	Red Pine	8	Sapling/Pole	4							
	Jack Pine	3	Sapling	1							
50	320 - Up	land Shrub		Nor	ne	140.0			No		lots of cherry



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed Si	te	General Comments
51	42220 - Nat	ural Jack P	Pine P	oletimb	er Well	2.8	45	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	10	Pole/Sapling	6		Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Jack Pine	90	Pole/Sapling	7	45						-
52	4130	- Aspen	Pol	etimbeı	Mediur	n 12.4	45	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Pole/Sapling	6	45	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Jack Pine	5	Pole/Sapling	6		Che	rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
53	6233 - W	et Meadow	ı	Nor	ne	0.8			No		
54	4130	- Aspen	Pol	etimbei	Mediur	n 11.2	41	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	100	Pole	7			rry (spp.)	Low	10 - 20 feet	10 - 20 feet	
	<u> </u>						t (American)	Medium	5 - 10 feet	5 - 10 feet	
55	2113 - Fo	orage Crops	S	Nor	ne	38.2			Yes		SEEDED GOOSE PASTURE in west half. Mowed fall 2024
56	6233 - W	et Meadow	ı	Nor	ne	4.6			No		Holding some water at time of inventory.
57	4311 - Pin	e, Aspen M	lix P	oletimb	er Well	9.9	36	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	50	Pole/Sapling	5	36						
	Jack Pine	50	Pole/Sapling	5	36						
58	6233 - W	et Meadow	I	Nor	ne	3.5			No		Very little water in pond this fall 2024
59	4130	- Aspen		Sapling	y Well	29.3	7	Immature	N/A		Floodwood Mix TS cut 2018. Far southwest lobe along Floodwood Rd
	Canopy Species	% Cover	Size Class	DBH	l Age						was heavier to JP and is seeding in slowly
	Quaking Aspen	90	Sapling	1	7						
	White Pine	5	Log/Pole	12							
	Jack Pine	5	Sapling	1							
60	42111 - Planted Dec	l Red Pine, iduous	Mixed P	oletimb	er Well	21.7	32	51-80	N/A		OPIC - FMD: OI Stand Year Origin was 1993
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	20	Pole/Sapling	7		Swe	eet Fern	Medium	5 - 10 feet	5 - 10 feet	
	Red Pine	60	Pole	9	32	Chei	rry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
	Jack Pine	20	Pole	7							-



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres Stand	Age B	BA Range	Managed S	ite	General Comments	CHIGAN IN
61	42220 - Natu	ıral Jack P	Pine Po	letimb	er Well	14.5 60	)	81-110	N/A		Ready for cut. Jack pine ranges 6-10"dbh. buffer low area	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy S		Density	Avg. Height	Size		
	Red Maple	5	Pole	8		Red Mapl		Low	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	10	Pole	8		Hazelnut (Ame		Medium	5 - 10 feet	5 - 10 feet		
	Jack Pine	85	Pole/Sap/Log	8	60	Quaking As <sub>l</sub>	pen	Low	5 - 10 feet	5 - 10 feet		
62	500 -	Water		No	ne	2.0			No		Pond	
63	211 - 0	Cropland		Noi	ne	10.3			Yes		SEEDED GOOSE PASTURE (rye?)	
64	4130 -	- Aspen	Po	letimb	er Well	18.0 60	)	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy S	pecies	Density	Avg. Height	Size		
	Red Maple	10	Pole/Sap/Log	8		Hazelnut (Ame	rican)	High	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	85	Pole/Sap/Log	8	60							
	Jack Pine	5	Pole/Sap/Log	8								
65	42110 - Plar	nted Red P	ine Pole	timbe	Mediun	n 40.7 32	2	Immature	N/A		Year Origin is 1993	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy S	pecies	Density	Avg. Height	Size		
	Quaking Aspen	5	Pole/Sapling	6		Sweet Fer	'n	Medium	5 - 10 feet	5 - 10 feet		
	Red Pine	95	Pole/Sapling	5	32	Cherry (sp	o.)	Low	10 - 20 feet	10 - 20 feet		
66	4130 -	- Aspen	9	Sapling	Well	50.4 7		Immature	N/A		Floodwood Mix TS cut 2018	
	Canopy Species	% Cover	Size Class	DBH	Age							
	Quaking Aspen	75	Sapling	1	7							
	Bigtooth Aspen	20	Sapling	1								
	Red Pine	5	Log/Pole	12								
67	320 - Upl	and Shrub	1	Noi	ne	25.8			No		filling in with cherry and aspen	
68	4130 -	- Aspen	Po	letimb	er Well	97.0 45	5	81-110	N/A		OPIC - FMD: OI Stand Year Origin was 1980	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy S	pecies	Density	Avg. Height	Size		
	Red Maple	5	Pole/Sapling	5	45	Hazelnut (Ame	rican)	Medium	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	90	Pole	9	45	White Pin	е	Low	5 - 10 feet	5 - 10 feet		
	Red Pine	5	Pole/Sapling	7								
69	42110 - Plar	nted Red P	ine Sa	pling I	Medium	21.4 3		Immature	N/A		Floodwood Mix t-sale cut 2018	
	Canopy Species	% Cover	Size Class	DBH	Age							



Stan	d Level 4 C	Level 4 Cover Type		Size Density		Acres	Stand Age BA Range		Managed S	Site	General Comments	MICHIGAN .
70	4130	- Aspen	:	Sapling Well		27.3	15	Immature	N/A	4	Floodwood Aspen TS 2009. Oak Salvage cut 2010.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Sapling	1	15	Blackbe	rry/Raspberry	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	10	Log/Pole/Sap	12		Hazelnu	ıt (American)	Medium	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	75	Sapling	1	15							
	Red Pine	5	Log/Pole	12								
71	42200 - Nati	ural White F	Pine S	awtimbe	er Well	5.6	90	1-50	N/A	4	Floodwood Mix TS cut 2018	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	White Pine	100	Log/XLog	14	90	Quak	ing Aspen	Medium	10 - 20 feet	10 - 20 feet		
						R	ed Oak	Medium	5 - 10 feet	5 - 10 feet		
						Re	d Maple	Medium	>20 feet	>20 feet		
72	3103 - F	Rubus-Fern		Non	е	1.5			No	)	part of a closed road and opening	
73	4131 - Aspen, Oak Poletimber Well		45.7				4	OPIC - FMD: OI Stand Year Origin was 1990				
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size		
	Red Maple	5	Pole/Sapling	5	35		ıt (American)	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	20	Log/Pole/Sap	12		Wh	nite Pine	Low	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	75	Pole	6	35	Re	d Maple	Medium	10 - 20 feet	10 - 20 feet		
74	4130	- Aspen	;	Sapling Well		19.1 7 Ir		Immature	N/A		Floodwood Mix t-sale cut 2018	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	100	Sapling	1	7	Hazelnı	ıt (American)	Medium	5 - 10 feet	5 - 10 feet		
75	3103 - F	Rubus-Fern		Non	е	2.4			No	)	aspen and cherry filling in opening	
76	3102	- Grass		Non	е	19.6			No	)		
77	4130 - Aspen		Po	Poletimber Well		19.5	27	Immature	N/A	4	Tin Shack TS cut 1998	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Sapling	4	27	Hazelnu	ıt (American)	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	5	Log/Pole/Sap	12			·	1		1	_	
	Quaking Aspen	80	Pole/Sapling	5	27							
	Bigtooth Aspen	5	Pole/Sapling	5	27							



Stan	d Level 4 C	over Type	5	Size De	nsity	Acres	Stand Age I	BA Range	Managed S	Site	General Comments
78	4130	- Aspen		Sapling Well		81.7	15	Immature	N/A		Floodwood Aspen TS cut 2009. Trace amounts of white birch 2" dbh
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Sapling	1	15	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Red Oak	5	Log/Pole/Sap	12		Wh	ite Pine	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	80	Sapling	2	15	Re	d Maple	Medium	Variable	Variable	
	Bigtooth Aspen	10	Sapling	2	15						
79	4130	- Aspen		Saplin	y Well	36.9	35	Immature	N/A	Ą	Powerline Aspen TS cut 1990
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Sapling/Pole	4	35	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	Red Oak	5	Log/Pole/Sap	12				,			-
	Quaking Aspen	85	Pole/Sapling	5	35						
80	4130	- Aspen	P	oletimb	er Well	42.7	49	51-80	N/A	4	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	95	Pole	8	49	Hazelnu	t (American)	High	5 - 10 feet	5 - 10 feet	
	White Pine	5	Log/Pole	10		Che	rry (spp.)	Medium	10 - 20 feet	10 - 20 feet	
81	6122 - Black Spruce Poletimber V				er Well	15.2	101	81-110	N/A	Ą	Cedar pocket in middle of stand. Stream located to South.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Balsam Poplar	5	Pole	8		Re	d Maple	Medium	Variable	Variable	
	White Spruce	5	Log/Pole	12		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	50	Pole/Sap/Log	8	101	Labr	ador Tea	Low	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	20	Log/Pole	10							_
	Tamarack	20	Log/Pole	10							
82	4130	- Aspen		Saplin	y Well	7.5	16	Immature N/A		4	Floodwood Aspen TS cut 2009
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Sapling	1		Wh	ite Pine	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	85	Sapling	1	16	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	5	Log/Pole/Sap	14							_
83	110 - Low I	110 - Low Intensity Urban None		13.2	13.2			)	POWER LINE AND SNOWMOBILE TRAIL. Extremely rocky and portions of wet = use ATV		
						68.1 27			N/A		
84	4130	- Aspen	Р	oletimk	er Well	68.1	27	Immature	N/A	4	Tin Shack TS cut 1998. What little conifer is in the stand is only along
84	Canopy Species	- Aspen			er Well		27 nopy Species		Avg. Height	Size	Tin Shack TS cut 1998. What little conifer is in the stand is only along the road
84		-				Sub-Car					, ,
84	Canopy Species	% Cover	Size Class	DBI		Sub-Car	nopy Species	Density	Avg. Height	Size	, ,



Stand	d Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments	MICHIGAN
86	4130	- Aspen	5	Saplin	g Well	7.4	15	Immature	N/A	4	Floodwood Aspen TS 2009	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Sapling	1	15	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	10	Log/Pole/Sap	12							_	
	Quaking Aspen	80	Sapling	1	15							
87	4130	- Aspen	Po	oletimb	er Well	35.7	35	Immature	N/A	Α	Powerline Aspen TS cut 1990	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Maple	5	Pole	5	35	Hazelnu	t (American)	Medium	5 - 10 feet	5 - 10 feet		
	Red Oak	5	Log/Pole/Sap	10		Wh	ite Pine	Low	10 - 20 feet	10 - 20 feet		
	Quaking Aspen	90	Pole	6	35						_	
88	6120 - Lov	wland Ceda	ır Sa	awtimb	er Well	15.2	101	141-170	N/A	4		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Black Spruce	25	Log/Pole/Sap	10	101	Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet		
No	orthern White Cedar	60	Log/Pole	12	101							
	Tamarack	15	Log/Pole	10	101							
89	6122 - Bl	ack Spruce	Po	oletimb	er Well	16.4	101	51-80	N/A	4		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Black Spruce	75	Pole/Log/Sap	8	101	Labr	ador Tea	Low	5 - 10 feet	5 - 10 feet		
No	orthern White Cedar	10	Log/Pole	10	101							
	Tamarack	15	Pole/Log	8	101							