

### **Compartment Review Presentation**

**Crystal Falls Forest Management Unit** 

Compartment 12105

Entry Year 2026

Acreage: 2,167

County Dickinson

Management Area: Cassidy Creek

Stand Examiner: Rich Goupell

**Legal Description:** 

T40N,R29W sections 23, 26 & 35

### **Identified Planning Goals:**

To maintain the aspen type and continue to work on age class diversity, improve northern hardwood stands and the large amount of forest diversity that just abounds in this compartment. Also, to preserve and improve the recreational value here. Since this compartment is close to Norway and the Norway Truck trail has been vastly improved, this compartment gets a lot of trapping, hunting, fishing and trail use.

### Soil and topography:

Soils are predominantly Emmet-rock outcrop and 6-18% slope with rolling hills and rock outcrops.

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

This compartment is solid state land with some private land on the edges of the compartment.

### **Unique Natural Features:**

No Unique Natural Features known.

### Archeological, Historical, and Cultural Features:

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

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

Fern Creek runs along the western edge of this compartment and is a trout stream.

#### Wildlife Habitat Considerations:

This compartment was historically dominated by Hemlock/White Pine forests. Aspen now represents more than 50% of the compartment. The presence of interspersed lowland conifer and lowland hardwoods stands and their associated transition zones make this area diverse and provides food and cover for deer, bear, and migratory songbirds. An active goshawk nest is located in the southern portion of stand 40 which was present 10 years ago. Mature forest conditions are necessary to provide adequate habitat requirements for this species.

### 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 known active sand/gravel operations are approximately two miles east. Granite bedrock is at or near the surface across the compartment. Potential for development of sand & gravel in the compartment may be limited. In some cases, weathered granite can be a source of aggregate material, and it is mined as such in other parts of the western UP. The compartment is just north of the historic Norway-Iron Mountain iron mining district. The compartment, however, is unlikely to have any potential for iron ore deposits. Aeromagnetic survey data indicate that there may be some areas that are prospective for future testing/study for occurrences of metallic and/or critical minerals, and significant acreage of State-owned mineral rights are currently under lease or nominated for leasing in the north half of 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

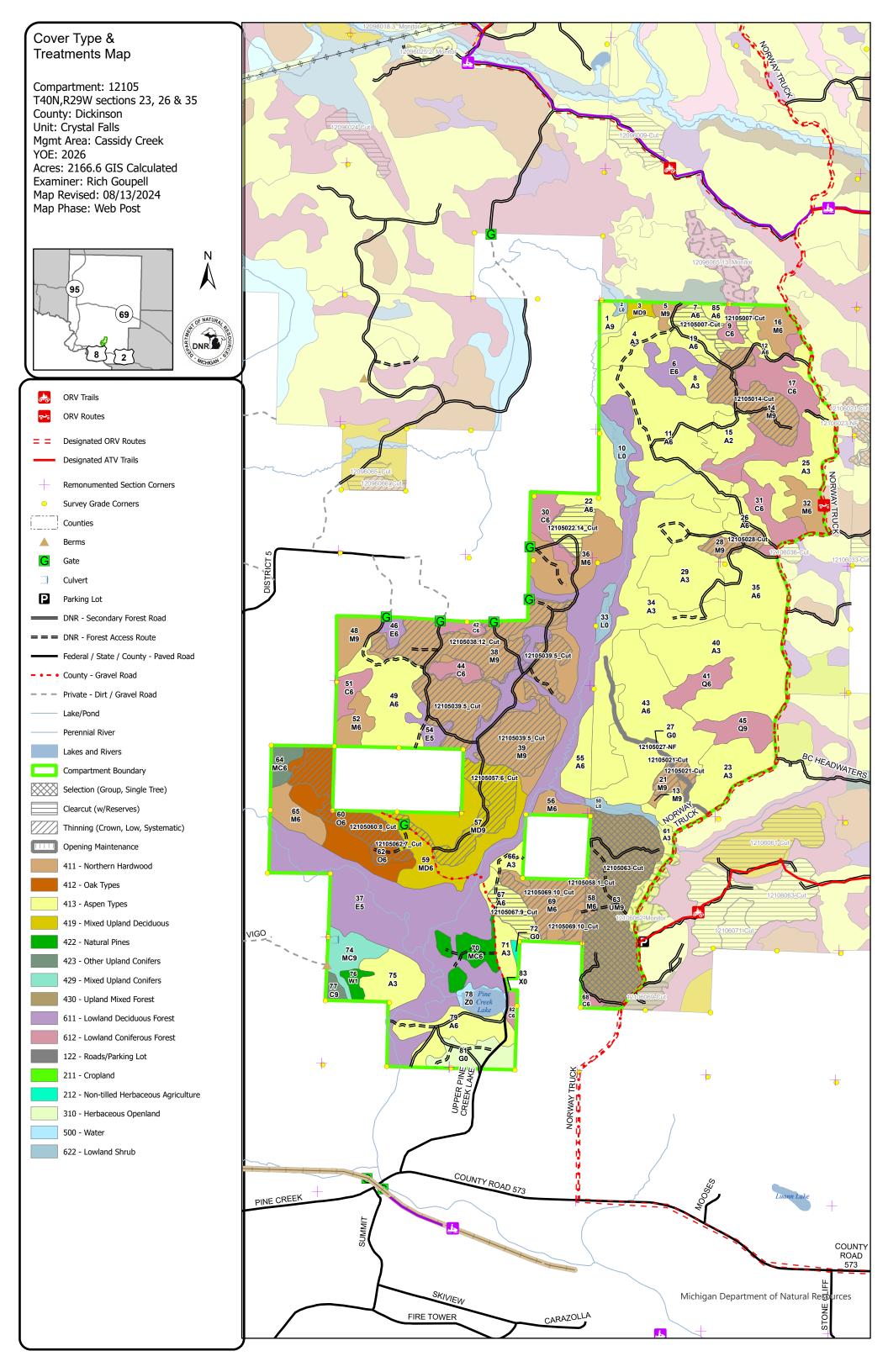
#### **Vehicle Access:**

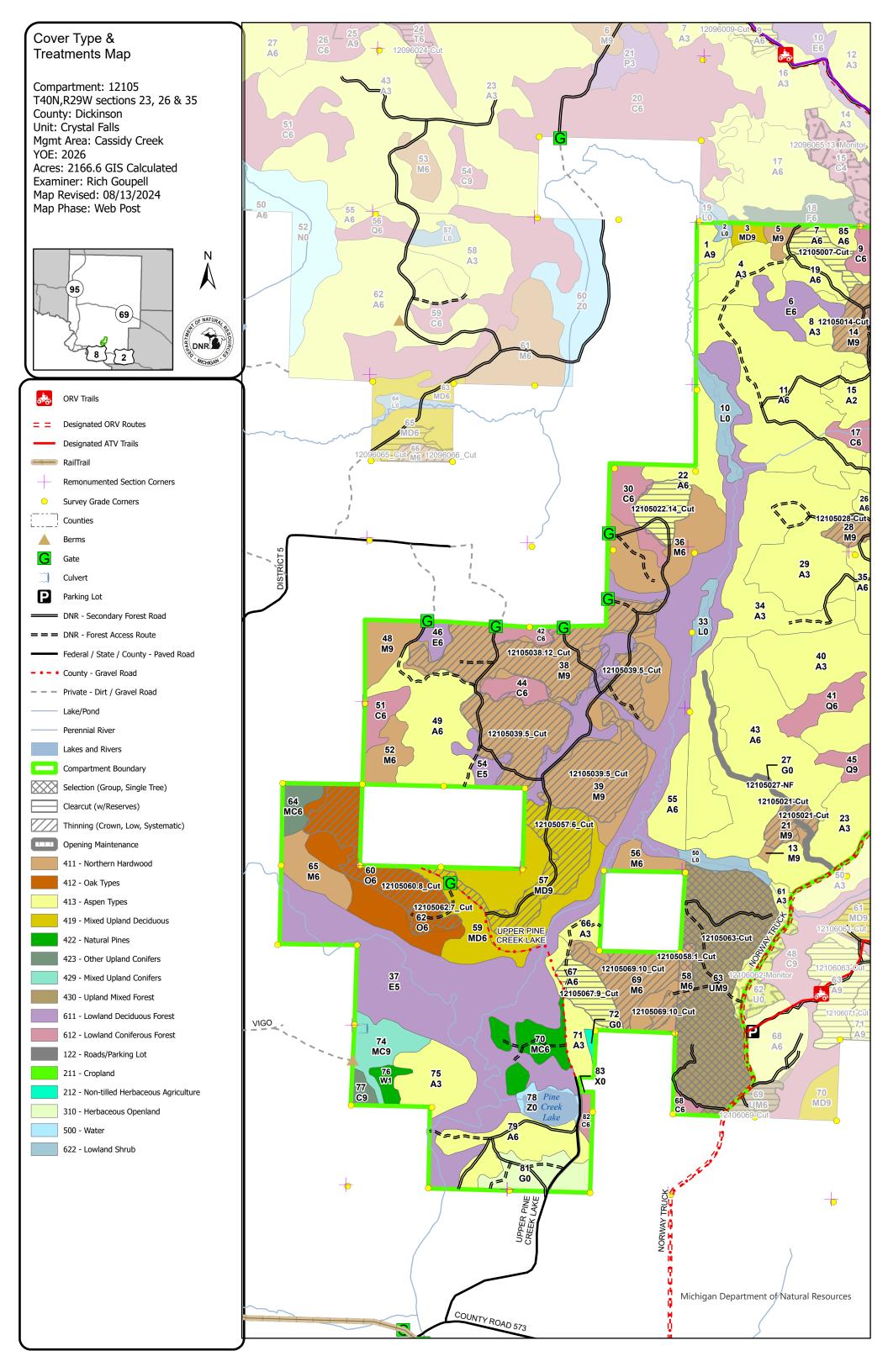
There are many forest roads accessing this compartment. Some are open and some are bermed.

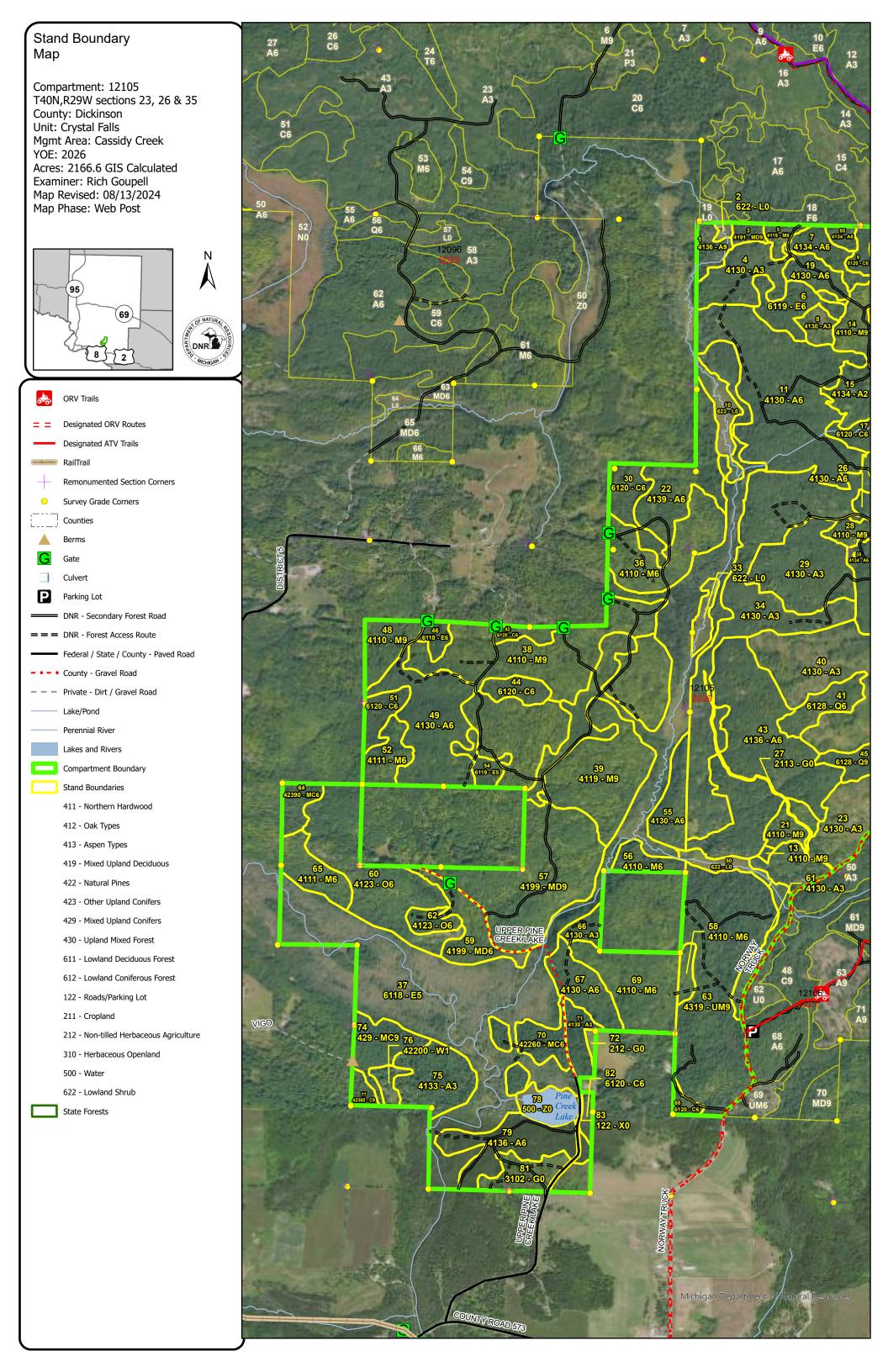
#### **Survey Needs:**

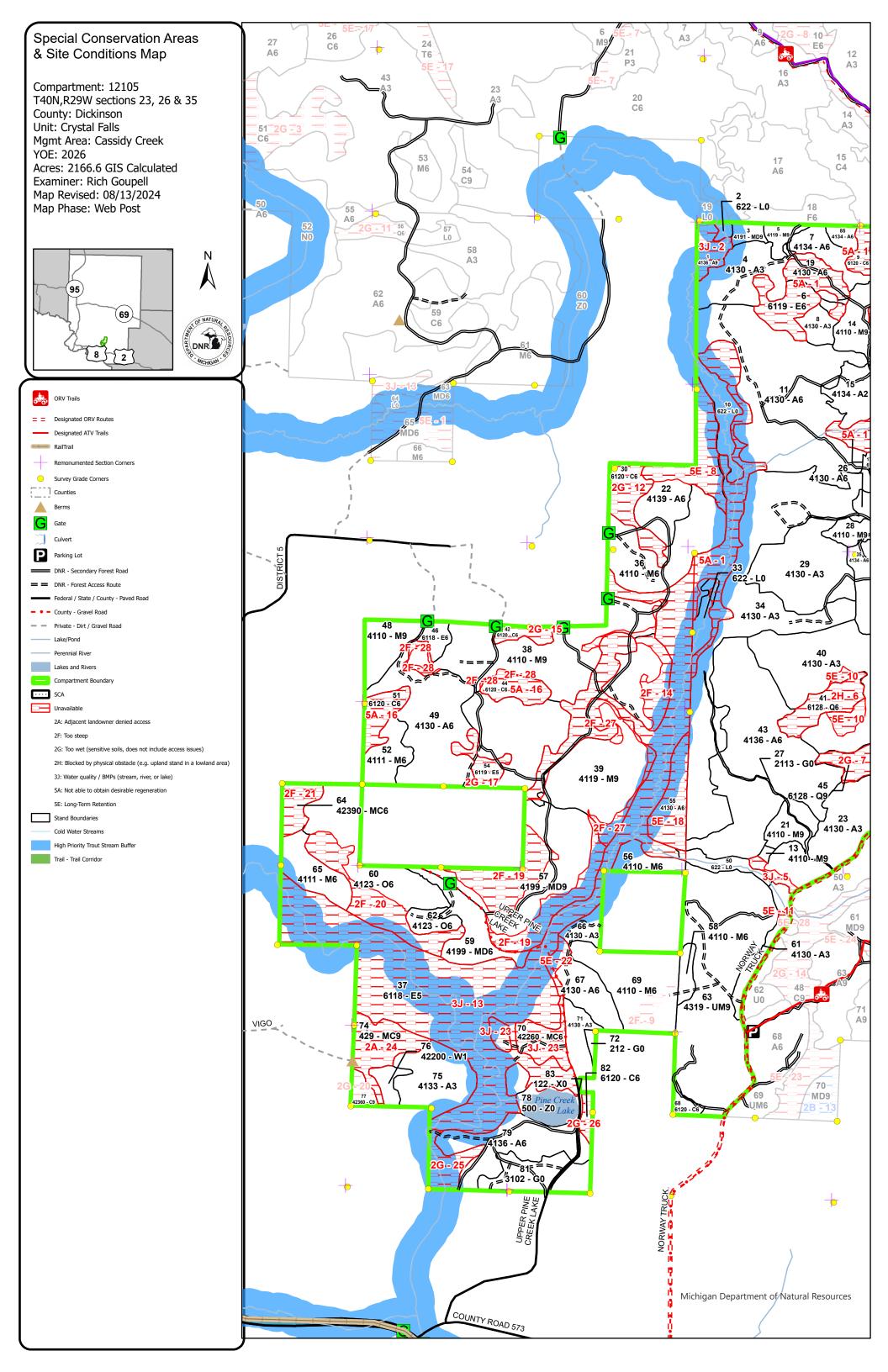
Some corners will be needed in the south of the compartment

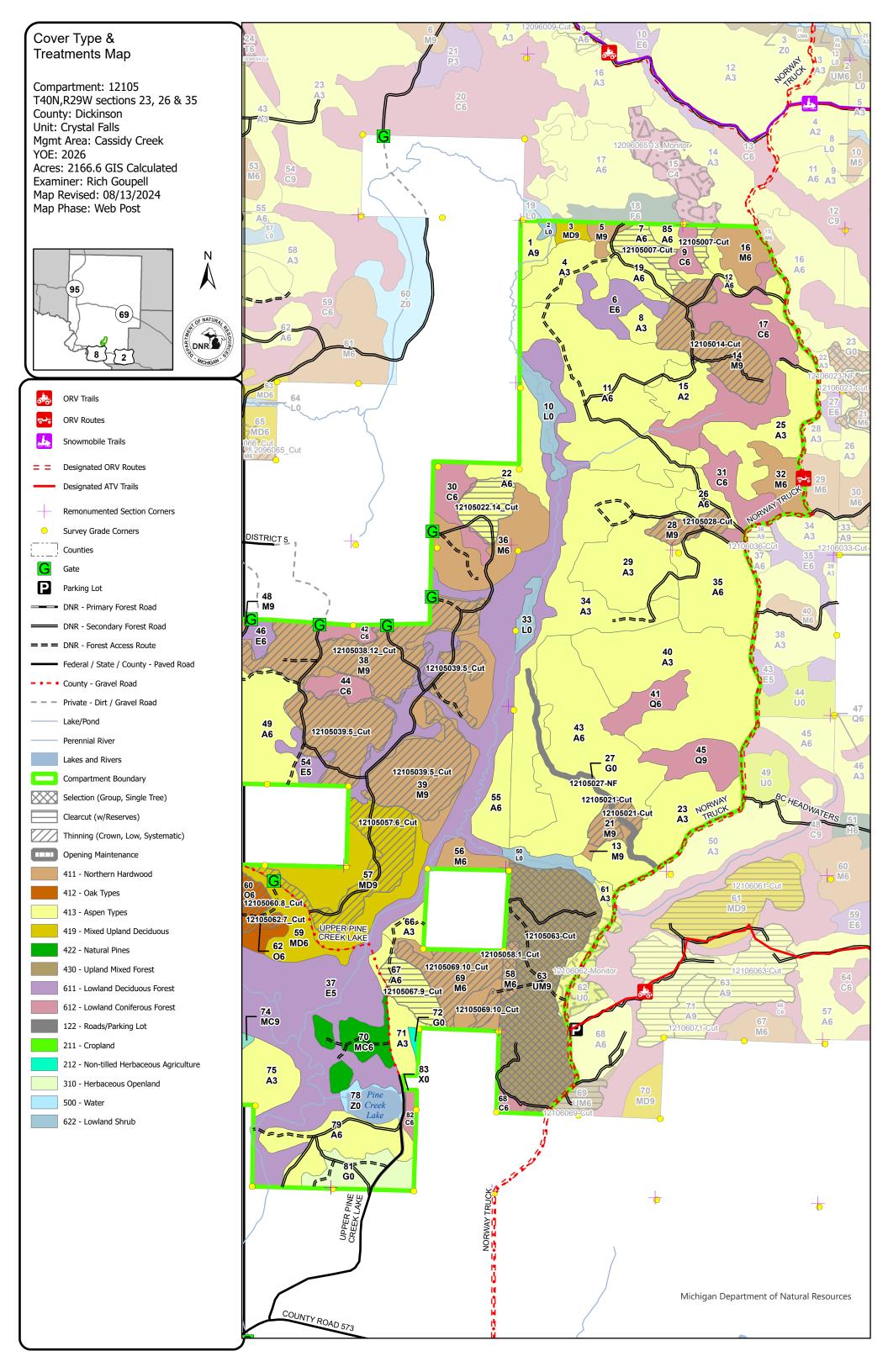
### **Recreational Facilities and Opportunities:**

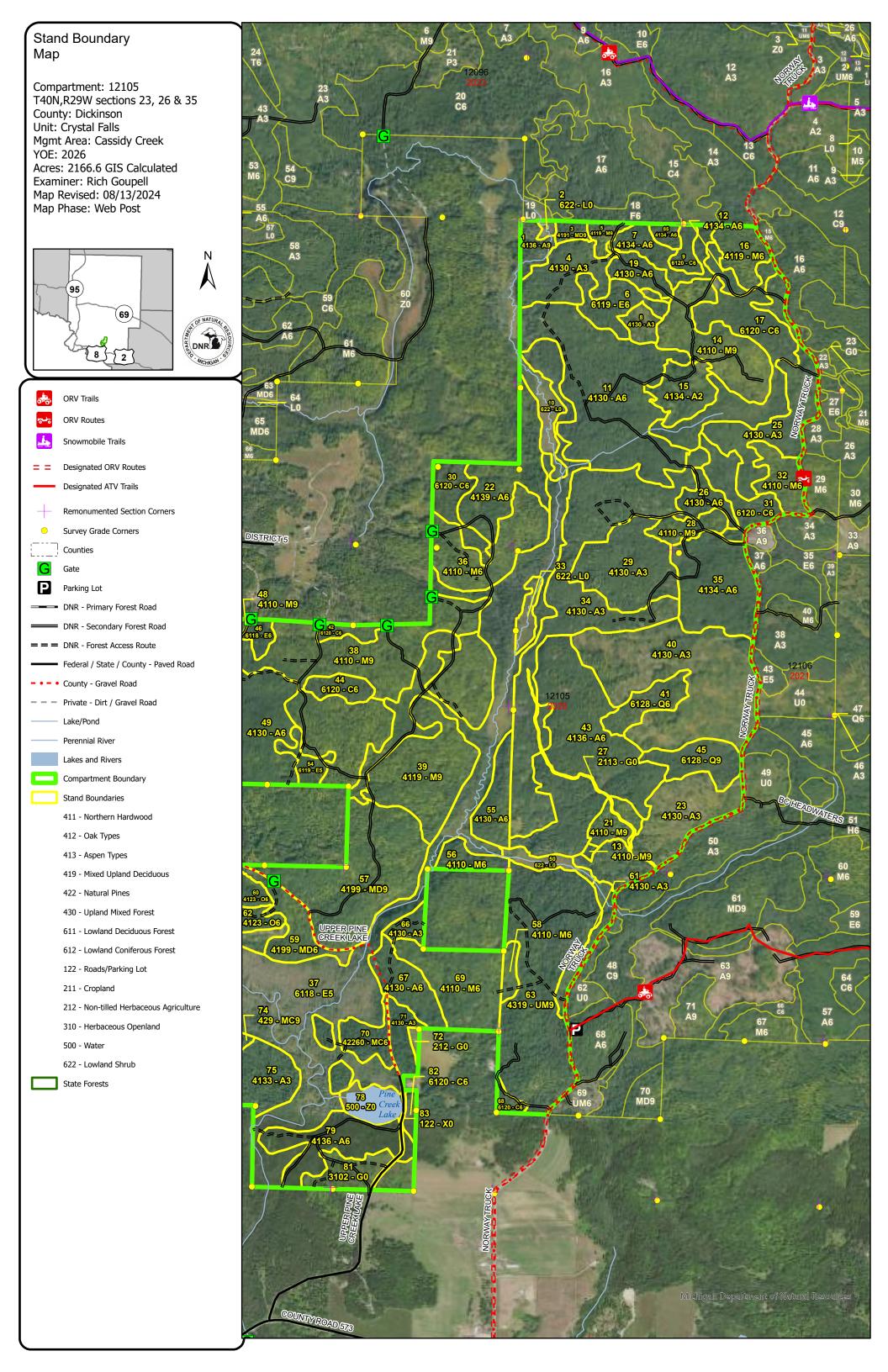


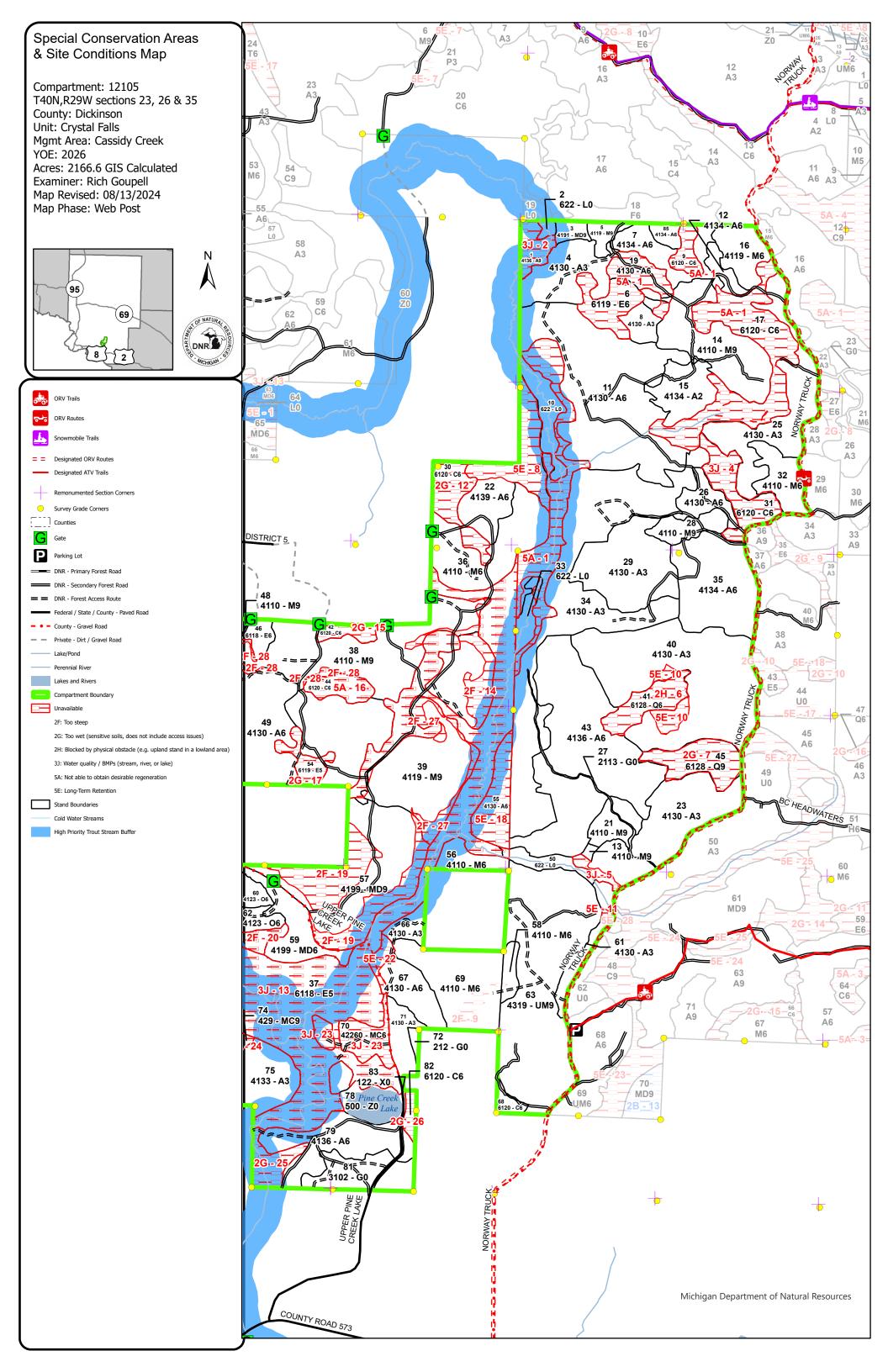












There are old and new ORV trails in this compartment

### **Fire Protection:**

Berms will be the biggest issue to get back into some areas here and steep topography could be a problem in some areas of the compartment. There is a pine component here but mostly mixed pine and not as conducive to fire as a plantation would be

### **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 105 Year of Entry 2026

Rich Goupell: Examiner

**Crystal Falls Mgt. Unit** 



### Age Class

spen         0         157         238         52         96         265         35         0         19         8         20         0																				
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Tropland	Aspen	0	157	238	52	96	265	35	0	19	8	20	0	0	0	0	0	0	0	890
erbaceous Openland         20         0	Cedar	0	0	0	0	0	0	0	0	0	0	22	66	38	0	0	0	0	0	126
owland Conifers         0	Cropland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
owland Deciduous         0         0         0         0         5         0         0         0         17         8         290         0         0         0         0         320           owland Shrub         28         0	Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
owland Shrub         28         0         <	Lowland Conifers	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	32
lixed Upland Deciduous  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lowland Deciduous	0	0	0	0	0	5	0	0	0	0	17	8	290	0	0	0	0	0	320
atural Mixed Pines         0	Lowland Shrub	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
corthern Hardwood         0         0         0         9         17         51         0         38         12         287         0	Mixed Upland Deciduous	0	0	0	0	0	20	0	0	0	4	77	0	0	0	0	0	0	0	101
rak         0	Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Pland Conifers   0   0   0   0   0   0   0   0   0	Northern Hardwood	0	0	0	0	9	17	51	0	38	12	287	0	0	0	0	0	0	0	414
Pland Mixed Forest   0   0   0   0   0   0   0   0   0	Oak	0	0	0	0	0	0	0	0	0	7	0	60	0	0	0	0	0	0	67
Tran	Upland Conifers	0	0	0	0	0	0	0	0	0	18	0	0	9	0	0	0	0	0	27
/ater         12         0 <td>Upland Mixed Forest</td> <td>0</td> <td>101</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>101</td>	Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	101
/hite Pine 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 5	Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
otal 66 157 238 57 105 307 86 0 57 49 556 134 337 0 0 0 19 2168	White Pine	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	Total	66	157	238	57	105	307	86	0	57	49	556	134	337	0	0	0	0	19	2168



### **Report 2 - Treatment Summary**

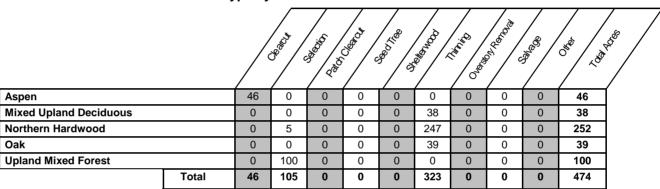
Crystal Falls Mgt. Unit Year of Entry: 2026

#### **Acres of Harvest**

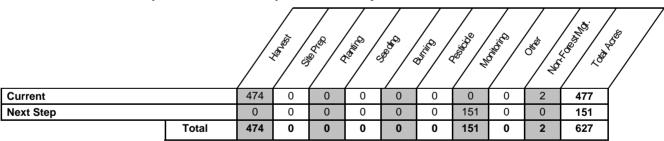
Compartment 105
Total Compartment Acres: 2,167

Commercial Harvest - 474
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

### **Cover Type by Harvest Method**



### **Proposed and Next Step Treatments by Method**



Compartment: 105

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Year of Entry: 2026 **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d

**Proposed Treatments:** 

12105007-Cut 14.4 4134 - Aspen, Poletimber 96 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention Spruce/Fir

Prescription Final Harvest to a 3 inch spec. Leave Pine, Cedar, Hemlock, and Oak if present. Leave 4 pockets of 4 inch spruce/fir where available

dispersed across the unit. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

Acceptable Aspen, Maple, Birch, Spruce/Fir, Pine

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

12105014-Cut Harvest 39.6 4110 - Sugar Maple Sawtimber 111-Crown Thinning 411 - Northern Even-Aged No Association Well 140 Hardwood

Prescription Thin to 70-90BA following Compleat Marker. Do not mark Pine, Oak, Cedar or Oak. Leave where possible roost trees for Northern Long

Specs: eared bats.

Next Step Treatments:

<u>Acceptable</u>

Regen:

**Other** 

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

12105021-Cut 9.7 4110 - Sugar Maple Sawtimber 111-Harvest Crown Thinning 411 - Northern Even-Aged No Association Well 140 Hardwood

Prescription Thin to 70-90 BA. Remove Ash as EAB is present. Winter cut only due to hunter walking trail. Where possible leave roost trees for

Specs: Northern Long eared bats.

Next Step **Treatments:** 

<u>Acceptable</u>

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

12105027-NF 2.4 2113 - Forage Crops Nonstocked Unspec NonForestMgt Herbaceous/Crop 2113 - Forage Crops

Prescription WLD Hunter Walking Trail opening maintenance- clear, herbicide, disc, seed, fertilize, mow

Specs:

Next Step

**Treatments:** 

<u>Acceptable</u>

Regen:

**Other** Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Nο

Crystal Falls Mgt. Unit

Association

Well

Report 3 -- Treatments

Compartment: 105 Year of Entry: 2026

Hardwood

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**Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Density Objective Structure Name CoverType Age Range Type Cut d 12105028-Cut 10.0 4110 - Sugar Maple Sawtimber 111-Harvest Crown Thinning 411 - Northern Even-Aged Nο

140

Prescription Thin to 70-90 BA.

Specs:

Next Step **Treatments:** 

**Acceptable** Regen:

Leave conifers in the west half of the stand. Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

12105063-Cut 100.3 4319 - Mixed Sawtimber 99 111-Harvest **Group Selection** 4319 - Mixed Uneven-No **Upland Forest** Well 140 **Upland Forest** Aged

Prescription Cut all Aspen, Jack Pine, Ash, Birch, Balsam Poplar and Spruce/Fir using a 2 inch spec. Except green marked trees of those species. Mark Pine and Hardwood for removal. Target BA will be 40-50 to reduce Aspen coppice and provide for diversity and a seed source.. BA will be Specs:

variable depending on stand composition. Leave all Cedar, Hemlock, and Oak. Exclude the cedar pocket and steep areas.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Maple, Oak, Pine

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

### **Approved Treatments:**

12105022.14\_ 15.9 4139 - Aspen, Poletimber 59 Clearcut with 111-Harvest 413 - Aspen Even-Aged Nο Well Mixed Deciduous Cut 140 Retention

Prescription Harvest to 2" spec. Leave sub merchantable spruce/fir, cedar, hemlock, white pine, and oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

<u>Acceptable</u> aspen, mixed hardwood

Regen:

No pine was observed within this stand. No blue line (just red line) against private will be needed on the north edge due to a steep rock bluff Other Comment:

which leads down to a lowland drainage.

Site Condition

Proposed Start Date: 10/1 /2019

Crystal Falls Mgt. Unit

Report 3 -- Treatments

Compartment: 105 Year of Entry: 2026

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

411 - Northern 38 12105038.12 63.0 4110 - Sugar Maple Sawtimber 111-Harvest Crown Thinning Uneven-Association Cut Well 140 Hardwood Aged

Prescription Mark this stand to be thinned to a 70-90 BA. Release 7' around trees less than 8" in diameter. Remove the two main crown competitors on trees 8" or larger. Leave all hemlock. Leave and open up around any oak that may be present. Mark any live beech unless it appears to be

resistant to beech bark disease.

Next Step Treatments:

Acceptable mixed northern hardwood

Regen:

Specs:

Other Focus on releasing good quality crop trees.

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

12105039.5\_C 4119 - Mixed Sawtimber Harvest 95.7 97 111-Crown Thinning 411 - Northern Uneven-Nο Northern Hardwoods Well 140 Hardwood Aged

Specs:

Prescription This treatment is to salvage the higher percentage of beech volume within this stand while thinning the remaining hardwoods where needed. Mark this stand to be thinned to a 70-90 BA in areas where this can be achieved. Release 7' around trees less than 8" in diameter. Remove the two main crown competitors on trees 8" or larger. Designate beech for removal while green marking 1-3 beech trees per acre that appear to be healthy or possibly immune to BBD. BA may be lower than target in areas where more beech is present which will encourage more intolerant/mid-tolerant species. Leave cedar, hemlock, white pine, and oak.

Next Step Treatments:

Acceptable mixed northern hardwood, oak

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2019

12105057.6\_C 37.8 4199 - Other Mixed Sawtimber 97 81-110 Harvest Crown Thinning 4199 - Other Uneven-No **Upland Deciduous** Mixed Upland Well Aged ut Deciduous

Specs:

Prescription This prescription is to ensure a proper crown thinning for a mixed oak/northern hardwoods stand. Mark this stand to be thinned to a 70-90 BA in patches dominated by northern hardwood species. Release 7' around trees less than 8" in diameter. Remove the two main crown competitors on trees 8" or larger. Areas dominant to oak should be thinned lighter to a 80-100 BA. Leave scattered large diameter oak. Green mark any beech that appears to be immune to BBD. Mark with caution to avoid damage to residual from felling larger trees. Designate merchantable beech and aspen for removal. (DO NOT cut aspen within 300' of Fern Creek to the east).

Next Step **Treatments:** 

Acceptable oak, aspen, mixed hardwoods

Regen:

Other Steep hills and rock bluffs will have to be excluded from this treatment. This should bring the actual treatment size to approximately 40 acres. Comment:

Site Condition

Proposed Start Date: 10/1 /2019

Compartment: 105	OF NATURAL PE
Year of Entry: 2026	DNR DNR
	M/CHIGAN .

	n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
Г	EO	4040E0E0 4 C	40	1110 Cugar Manla	Dolotimbo	r 96	111	Llowest	Cinala Trac	4440 Cugor	Linavan	No
	58	12105058.1_C	4.9 4	1110 - Sugar Maple	Poletimbe	1 90	111-	Harvest	Single Tree	4110 - Sugar	Uneven-	No
		ut		Association	Well		140		Selection	Maple	Aged	
							-			Association	9 - 1	Į.

Prescription Mark to retain 80-90 BA putting in occasional canopy gaps and focusing on best tree in place, leaving crop trees with good spacing and focusing to harvest white ash which has a prescence in the stand. Specs:

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

Acceptable n. hwd association.

Regen:

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Other This stand could be cut with the stand in the next compartment of which this is a part of. The stand in the next compartment is a much larger stand and this can be cut with that in 2020. Old next step comments: Regen survey needed after harvest Comment:

Site Condition

Proposed Start Date: 10/1 /2019

12105060.8 C 32.9 4123 - Red Oak Poletimber 104 Low Thinning 111-Harvest 4123 - Red Oak Even-Aged No Well 140

Specs:

Prescription This prescription is to ensure a proper crown thinning for a mixed oak/northern hardwoods stand. Mark this stand to be thinned to a 70-90 BA in patches dominated by northern hardwood species. Release 7' around trees less than 8" in diameter. Remove the two main crown competitors on trees 8" or larger. Areas dominant to oak should be thinned lighter to a 80-100 BA. Thin the patch of mixed pine in the east tip to release crowns for future growth. All beech will be designated for removal. Leave cedar, hemlock, and scattered large diameter oak. Treatment lines were estimated from field observations based off of steep terrain.

Next Step Treatments:

Acceptable oak, mixed northern hardwood

Regen:

**Other** Oak management guidelines recommend to NOT remove more than 1/3 BA in any one thinning of an oak dominated stand. This treatment

Comment: is meant to release crowns for growth and not to create regeneration gaps at this time.

Site Condition

Proposed Start Date: 10/1 /2019

62 12105062.7\_C 4123 - Red Oak Poletimber 87 81-110 Harvest Crown Thinning 4123 - Red Oak Two-Aged No Well

Prescription Mark this stand to be thinned to a 70-90 BA. Release 7' around trees less than 8" in diameter. Remove the two main crown competitors on Specs: trees 8" or larger. Leave scattered large diameter oak if present.

Next Step **Treatments:** 

Acceptable oak, mixed northern hardwood

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2019

Crystal Falls Mgt. Unit

Report 3 -- Treatments



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a n d	Treatment Name	Acres	Stand CoverType	Size Sta Density Ag	_	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
67	12105067.9 C	15.3	4130 - Aspen	Poletimber	79 111-	Harvest	Clearcut with	413 - Aspen	Two-Aged	No

Retention

<u>Prescription</u> Harvest stand to 4" spec. Green mark better quality oak to leave approximately one tree per acre for wildlife/seed. Leave cedar, hemlock, <u>Specs:</u> and white pine. The treatment has been updated with a 300' buffer for Fern Creek to the west.

140

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

ut

Acceptable aspen, oak, mixed hardwood

Regen:

Other Determine if northern triangular portion is operable due to steeper slope.

Well

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

 
 69
 12105069.10\_ Cut
 28.7 4110 - Sugar Maple
 Poletimber
 79
 111-140
 Harvest
 Crown Thinning
 411 - Northern Hardwood
 Uneven-Aged

<u>Prescription</u> Include stand 58 (3.7 acres) from the adjoining compartment 105 to the east. Mark this stand to be thinned to a 70-90 BA. Release 7' around <u>Specs:</u> trees less than 8" in diameter. Remove the two main crown competitors on trees 8" or larger. Leave all cedar, hemlock, red pine, white pine,

beech, and oak. Mark aspen to thin if needed to benefit hardwood but not to create larger open pockets and encourage aspen regeneration. Designate live paper birch for removal. Exclude small cedar patch along the north border and sub-merchantable balsam in the southeast corner. Mark around rock bluff in the east 1/3 of this stand. Avoid marking in dense hardwood sapling/pole pockets. Avoid damage to

hardwood saplings/poles.

Next Step Treatments:

Acceptable mixed northern hardwood, oak

Regen:

Other Access to this stand may be better to come west off of the Norway Truck Trail due to the steep incline of the road coming into the western tip

Comment: of this stand.

Site Condition

Proposed Start Date: 10/1 /2019

Total Treatment 476.5 Acreage Proposed:

Crystal Falls Mgt. Unit

Rich Goupell: Examiner

Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	s		
Acres	Available	With Condition	Not Available		2A	2F	2G	2H	3J	5A	5E
891	821	0	70	Aspen			1	0	11	11	47
126	5	0	121	Cedar			28		18	75	
4	4	0	0	Cropland							
20	20	0	0	Herbaceous Openland							
32	1	0	31	Lowland Conifers			18	14			0
319	7	0	312	Lowland Deciduous			18		244	50	0
28	26	0	1	Lowland Shrub					0	1	0
101	62	0	39	Mixed Upland Deciduous		39			0		
19	4	0	15	Natural Mixed Pines					15		
413	381	0	32	Northern Hardwood		31			1	0	0
66	42	0	25	Oak		25					
27	0	0	27	Upland Conifers	18	9					
101	101	0	0	Upland Mixed Forest							
2	2	0	0	Urban							
12	12	0	0	Water							
5	5	0	0	White Pine							
2,167	1,494		673	Total Forested Acres	18	104	64	14	289	137	47
	69%		31%	Relative Percent					•		

<sup>\*</sup>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	5A: Not able to obtain desirable regeneration	118	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Buffer for Fern Cree	k and not much acreage whe	re nothin	g else is being cut.			

Crystal Falls Mgt. Unit

Rich Goupell : Examiner

4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: There is a stream r	unning through here and it is we	et and	diverse. Some areas have ro	ock some are low and we		
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: Long-Term Retention	on for Rocks and Raptors timbe	er sale.				
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: This has cedar, roc	k outcrops and wet so it isn't wo	orth go	ing after for what you would (	get out of it		
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Some of this has be	een cut and it is wet					
8	Unavailable	5E: Long-Term Retention	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Rocks and Raptors	long-term retention.					
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Rocks and Raptors	retention					
	2004.0.40.50.014.0						

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12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: owland cedar						
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	245	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
(	Comments:						
14	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: owland cedar/black	k ash					
16	Unavailable	5A: Not able to obtain desirable regeneration	19	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: owland cedar						
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: owland black ash/a	alder drainage					

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18	Unavailable	5E: Long-Term Retention	17	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
19	Unavailable	2F: Too steep	39	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
20	Unavailable	2F: Too steep	25	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
21	Unavailable	2F: Too steep	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: Steep slope stocke	ed with hemlock poles drains do	wn to a	lowland cedar patch.			
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Abundant aspen re	gen would be significantly dama	aged w	ith a harvest at this time.			
24	Unavailable	2A: Adjacent landowner denied access	18	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						

Compartment: 105 Year of Entry: 2026

Crystal Falls Mgt. Unit

Rich Goupell : Examiner

		<u> </u>					
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
27	Unavailable	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
28	Unavailable	2F: Too steep	3	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				

Crystal Falls Mgt. Unit Compartment: 105
Year of Entry 2026



## 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	n Type	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 ox stocked trout populations and those of other coldwater year to year. Coldwater streams in Michigan typically p contributions of groundwater to their stream flows. Suc designated as trout resources by Fisheries Order 210.	fish species (e.g., slimy sculpin) to persist from provide these conditions due to substantial ch streams are established by Director's action and
SCA	Riparian Area	A transitional area between aquatic and terrestrial eco influences the aquatic ecosystem and vice-versa. Beca streams and open water wetlands, riparian areas harb communities are ecologically and socially significant in as aesthetics, habitat, bank stability, timber production	ause of the unique conditions adjacent to lakes, or a high diversity of plants and wildlife. Riparian their effects on water quality and quantity, as well

Report 7 - Stands Crystal Falls Mgt. Unit



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
1	4136 - Asper	, Mixed Co	nifer	Sawtimb	er Well	8.1	81		N/A		Creek runs through the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Log	8		Ва	lsam Fir	Low	Variable	Sapling	
	Balsam Poplar	5	Log/Pole	10							
	Balsam Fir	15	Pole/Log	8							
	White Pine	10	XLog/Log	18							
No	orthern White Cedar	10	Log/Pole	10							
	Paper Birch	5	Pole/Log	8							
	Quaking Aspen	45	Log/Pole	12	81						
2	622 - Lov	vland Shrub	)	Nonsto	cked	1.7			No		
3	4191 - Mixed Upla Co	and Deciduo onifer	ous with	Sawtimb	er Well	3.9	81	111-140	N/A		Most of Spruce/Fir is dying out from Spruce budworm.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	15	Pole/Log	8		Ва	lsam Fir	Medium	Variable	Sapling	
	White Pine	10	Log	16							
	Sugar Maple	45	Log/Pole	11	81						
	Balsam Fir	15	Pole	6							
	Red Maple	10	Log/Pole	10							
	Hemlock	5	Log/Pole	12							
4	4130	- Aspen		Sapling	Well	25.2	16	Immature	N/A		Cut 2005 part of Snow to Tick Sale.Drainage runs East West through the South part of the stand. It was left last time it was cut.
	Canopy Species	% Cover	Size Class		Age						the South part of the stand. It was left last time it was cut.
	White Pine	2	Log	14							
	Quaking Aspen	98	Sapling	2	16						
5	4119 - Mixed No	orthern Hard	dwoods	Sawtimb	er Well	5.1	96	81-110	N/A		This stand was proposed for cutting last time but does not have the E
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	has a large rock outcrop and is only 5 acres.
	Balsam Fir	10	Log/Pole	10		Ва	lsam Fir	Low	Variable	Sapling	
	Sugar Maple	60	Log/Pole	10	96	Whit	te Spruce	Low	Variable	Sapling	
	Yellow Birch	10	Log/Pole	10	96	Irc	onwood	Low	Variable	Sapling	
	White Ash	5	Log/Pole	10				,			-
	Red Maple	15	Log/Pole	10							

Crystal Falls Mgt. Unit Report 7 – Stands



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
6	6119 - Mixed Lowla	and Decidud	ous Forest	Poletimb	er Well	16.7	96	81-110	N/A		No evidence of EAB but it is in the area expect most of the Black Ash
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	be dead next inventory.
	Red Maple	15	Pole	6		Bla	ick Ash	Medium	Variable	Sapling	
	Balsam Fir	5	Pole/Log	8		Bal	sam Fir	Low	Variable	Sapling	
No	orthern White Cedar	5	Log/Pole	10	104	Ta	g Alder	Low	Variable	Tall Shrub	
	Paper Birch	10	Pole/Log	8							
	Quaking Aspen	25	Pole	5							
	Black Ash	40	Pole	6	96						
7	4134 - Aspe	en, Spruce/	Fir	Poletimb	er Well	16.1	96	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	20	Pole/Log	8		Bal	sam Fir	Medium	Variable	Sapling	
	White Spruce	5	Pole/Log	8				*		,	
	Quaking Aspen	40	Log/Pole	11	96						
	Balsam Fir	20	Pole/Log	8	96						
	Paper Birch	15	Pole/Log	8							
8	4130	- Aspen		Saplin	g Well	7.9	18 I	lmmature	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	90	Sapling	1	18	Wild Re	d Raspberry	High	Variable	Tall Shrub	
	Balsam Fir	10	Sapling	1	18						
9	6120 - Lo	wland Ceda	ır	Poletimb	er Well	6.0	109	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole/Log	8		Bal	sam Fir	Low	Variable	Sapling	
	Black Spruce	5	Pole/Log	8		Blac	k Spruce	Low	Variable	Sapling	
	Tamarack	5	Pole/Log	8							
	Black Ash	5	Pole/Log	8							
No	orthern White Cedar	80	Pole/Log	8	109						
10	622 - Lov	vland Shrub	)	Nonst	ocked	12.5			No		Lowland around Fern Creek.
11	4130	- Aspen		Poletimb	er Well	99.8	40		N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age		nopy Species	Density	Avg. Height	Size	
	Sugar Maple	3	Pole	5	40	Whit	e Spruce	Low	Variable	Sapling	
	Quaking Aspen	87	Pole	5	40	Bal	sam Fir	Low	Variable	Sapling	
	Balsam Fir	5	Pole	5	40						
	Red Maple	5	Pole	5	40						

### Report 7 - Stands



Stand	d Level 4 Co	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments	MICHIGAN .
12	4134 - Aspe	en, Spruce/	Fir	Poletimb	er Well	5.4	40		N/A			
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Balsam Poplar	5	Pole	6		Ва	lsam Fir	Low	Variable	Seeding		
	Red Maple	5	Pole	5							-	
	Balsam Fir	20	Pole	6	40							
	White Spruce	5	Pole	6								
	Quaking Aspen	65	Pole	6	40							
13	4110 - Sugar M	Maple Assoc	ciation	Sawtimb	er Well	0.9	87	111-140	N/A		Needs update.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Oak	5	Log	16		Ir	onwood	Medium	Variable	Sapling		
	Sugar Maple	60	Log/Pole	10	87							
	Basswood	20	Log	15								
	Paper Birch	10	Pole	8								
	Yellow Birch	5	Log/Pole	10								
14	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	39.6	96	111-140	N/A		EAB is found in the stand.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Oak	3	Log/Pole	12		Ir	onwood	Low	Variable	Sapling		
	Basswood	30	Log/Pole	10		Lea	therwood	Low	Variable	Tall Shrub		
	Ironwood	2	Pole	6								
	White Ash	15	Log/Pole	10								
	Sugar Maple	50	Log/Pole	10	96							
15	4134 - Aspe	en, Spruce/	Fir	Sapling I	Medium	18.1	18	Immature	N/A		Uncut area in center of stand is wet.	
	Canopy Species	% Cover	Size Class	DBH	l Age							
	Balsam Fir	30	Sapling	1								
	Quaking Aspen	70	Sapling	2	18							
16	4119 - Mixed No	orthern Hard	dwoods	Poletimb		14.8	96	81-110	N/A		Thinned in 2006 part of Little Hardwoods.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trinined in 2000 part of Little Hardwoods.	
	Red Maple	10	Pole/Log	8		Ва	llsam Fir	High	Variable	Sapling		
	White Pine	2	Log/Pole	12		Lea	therwood	Medium	< 5 feet	Tall Shrub		
	Bigtooth Aspen	5	Log/Pole	12								
	White Ash	5	Pole/Log	8	96							
	Basswood	10	Log/Pole	10								
	Sugar Maple	36	Pole/Log	8	96							
	Hemlock	2	Log/Pole	10								
	Yellow Birch	10	Pole/Log	0								
			1 010/109	8								

Report 7 - Stands



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
17	6120 - Lo	wland Ceda	ır	Poletimb	er Well	50.7	104		N/A		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Paper Birch	8	Log/Pole	10		Ta	g Alder	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	10	Log/Pole	10		Bal	sam Fir	Medium	Variable	Sapling	
	Balsam Fir	10	Pole	7		Blac	k Spruce	Low	Variable	Sapling	
No	rthern White Cedar	50	Log/Pole	10	104						
	Black Spruce	10	Pole/Log	8							
	Red Maple	2	Pole	6							
	Black Ash	10	Pole	6							
19	4130	- Aspen		Poletimb	er Well	10.4	21	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Quaking Aspen	75	Pole	5	21	Bal	sam Fir	Low	Variable	Sapling	
	Balsam Fir	10	Pole	6						,	
	Red Maple	15	Pole	6							
21	4110 - Sugar N	/laple Assoc	ciation	Sawtimb	er Well	10.6	87	111-140	N/A		Needs update.
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Basswood	20	Log	15		Iro	nwood	Medium	Variable	Sapling	
	Yellow Birch	5	Log/Pole	10							
	Sugar Maple	60	Log/Pole	10	87						
	Paper Birch	10	Pole	8							
	Red Oak	5	Log	16							
22	4139 - Aspen,	Mixed Deci	duous	Poletimb	er Well	35.4	59	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	
	Bigtooth Aspen	40	Log/Pole	12	59	Iro	nwood	Medium	10 - 20 feet	Sapling	
	Sugar Maple	25	Pole/Log	8				'			
	Beech	5	Pole	8							
	Red Maple	5	Pole	8							
	White Ash	5	Pole/Log	8							
	\/ !! B! !	10	Pole/Log	8							
	Yellow Birch										
	Yellow Birch  Quaking Aspen	10	Log	14							
23	Quaking Aspen		Log	14 Saplin	g Well	48.6	6	Immature	N/A		Cut with Rocks and Raptors timber sale. Finished cutting November 201
23	Quaking Aspen	10	Log Size Class	Saplin	g Well	48.6	6	Immature	N/A		Cut with Rocks and Raptors timber sale. Finished cutting November 201

Report 7 - Stands Crystal Falls Mgt. Unit



Stand	Level 4 C	over Type								Managed S		General Comments	MICHIGAN
25	4130	- Aspen		Saplin	g Well	42.1	18	Immat	ure	N/A		Black Ash poket along Norway Truck Trail.	
	Canopy Species	% Cover	Size Class	DBH	l Age								
	Balsam Fir	10	Pole	6									
	Black Ash	5	Pole/Sapling	5									
	White Pine	5	Log	12									
	Red Oak	5	Pole/Log	8									
	Quaking Aspen	75	Sapling	2	18								
26	4130	- Aspen	P	oletimb	er Well	10.1	40	Unspec	ified	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Spec	ies De	nsity	Avg. Height	Size		
	Red Maple	15	Pole	6	40	Whi	te Spruce	- 1	_OW	Variable	Sapling		
	Paper Birch	5	Pole	6	40	Ва	lsam Fir	1	_OW	Variable	Sapling		
	Bigtooth Aspen	15	Pole	6	40								
	White Pine	3	Pole/Log	10									
	Balsam Poplar	7	Pole	6	40								
	Quaking Aspen	45	Pole	6	40								
	Quaking Aspen Balsam Fir	45 10	Pole Pole	6 5	40 40								
27	Balsam Fir		Pole		40	2.4	0	Unspec	ified	No		Hunter Walking Trail Opening Maintenance	
	Balsam Fir	10 orage Crops	Pole	5 Nonste	40	2.4	0 96	Unspec		No N/A		Hunter Walking Trail Opening Maintenance  Poor quality Hardwood stand.	
27	Balsam Fir 2113 - Fo	orage Crops	Pole	Nonste	40 ocked	10.0		111-1			Size		
27	Balsam Fir  2113 - Fo	orage Crops	Pole  ciation S  Size Class  Log/Pole	Nonsto	40 ocked oer Well	10.0 <b>Sub-Ca</b>	96	111-1	40	N/A	<b>Size</b> Sapling		
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species	orage Crops Maple Assoc	Pole  ciation S  Size Class	Nonstonawtimb	40 ocked oer Well	10.0 <b>Sub-Ca</b>	96 nopy Spec	111-1	40 nsity	N/A Avg. Height			
27	Balsam Fir  2113 - Fo  4110 - Sugar N  Canopy Species  Basswood	10 orage Crops Maple Assoc % Cover 10	Pole  ciation S  Size Class  Log/Pole	Nonsto	40 ocked oer Well	10.0 <b>Sub-Ca</b>	96 nopy Spec	111-1	40 nsity	N/A Avg. Height			
27	Balsam Fir  2113 - Fo  4110 - Sugar N  Canopy Species  Basswood  Ironwood	10 and 10	Pole  ciation S  Size Class  Log/Pole  Pole	Nonster awtimb	40 ocked oer Well	10.0 <b>Sub-Ca</b>	96 nopy Spec	111-1	40 nsity	N/A Avg. Height			
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple	Maple Associated 10 10 10 10 10 10 10 10 10 10 10 10 10	Pole  ciation S  Size Class  Log/Pole  Pole  Pole  Log/Pole	5  Nonste  awtimb  DBH  10  5  8	40 ocked oer Well 4 Age	10.0 <b>Sub-Ca</b>	96 nopy Spec	111-1	40 nsity ow	N/A Avg. Height			
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple	Maple Assoc **Cover** 10 2 5 83 - Aspen	Pole  ciation S  Size Class  Log/Pole  Pole  Pole  Log/Pole	awtimb  DBH 10 5 8 10 Sapling	40 ocked oer Well H Age 96 og Well	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple  4130	Maple Assoc **Cover** 10 2 5 83 - Aspen	Pole Size Class Log/Pole Pole Pole Log/Pole	awtimb  DBH 10 5 8 10 Sapling	40 ocked oer Well 4 Age	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple  4130  Canopy Species	Maple Assoc  **Cover** 10 2 5 83  - Aspen  **Cover** **Cover** **Cover**  **C	Pole  ciation S  Size Class  Log/Pole  Pole  Pole  Log/Pole  Size Class	awtimb  DBH 10 5 8 10  Sapling	40 per Well H Age 96 g Well H Age	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	
27	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple  4130  Canopy Species  Ironwood	Maple Associated Maple	Pole  ciation S  Size Class  Log/Pole  Pole  Pole  Log/Pole  Size Class  Sapling	awtimb  DBH 10 5 8 10  Sapling	40 per Well 4 Age 96 g Well 4 Age 24	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	
28	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple  4130  Canopy Species  Ironwood  Red Maple	10	Pole  ciation S  Size Class  Log/Pole  Pole  Pole  Log/Pole  Size Class  Sapling  Sapling	5   Nonsto	40 ocked oer Well 4 Age 96 og Well 4 Age 24 24	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	
28	Balsam Fir  2113 - Fo  4110 - Sugar M  Canopy Species  Basswood  Ironwood  Red Maple  Sugar Maple  4130  Canopy Species  Ironwood  Red Maple  Balsam Fir	10     10	Pole  Size Class Log/Pole Pole Pole Log/Pole  Size Class Sapling Sapling Sapling	5  Nonsto  awtimb  DBH  10  5  8  10  Sapling  DBH  1  3  2	96 96 96 24 24 24	10.0 Sub-Ca	96 nopy Spec	111-1 ies De	40 nsity ow	N/A Avg. Height Variable		Poor quality Hardwood stand.	

Report 7 - Stands



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed 3	Site	General Comments
30	6120 - Lo	wland Ceda	ır F	Poletimb	er Well	15.4	113	111-140	N/A		Lowland cedar with saturated, organic soil. Other species mixed within stand. Cedar origin varies from the early 1900's. Very soft ground acro
	Canopy Species	% Cover	Size Class	DBH	Age						stand. OPIC - FMD: OI Stand Year Origin was 1911
	Hemlock	5	Log/Pole	10							· ·
	Paper Birch	5	Pole	8							
	White Spruce	5	Pole	8							
	Black Ash	15	Pole	7							
	Balsam Fir	5	Pole	6							
	Yellow Birch	5	Pole	8							
No	orthern White Cedar	60	Pole/Log	9	113						
31	6120 - Lo	wland Ceda	ır F	Poletimb	er Well	18.8	96		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Balsam Fir	25	Pole	6	96	Ta	ag Alder	High	5 - 10 feet	Tall Shrub	
No	orthern White Cedar	55	Pole/Log	8	96	BI	ack Ash	Medium	Variable	Sapling	
	Black Ash	20	Pole	5		Ва	alsam Fir	Low	Variable	Sapling	
32	4110 - Sugar N	Maple Asso	ciation F	Poletimb	er Well	15.0	96	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Basswood	40	Log/Pole	10		Ва	alsam Fir	Low	Variable	Sapling	
	White Ash	5	Pole/Log	8		Ir	onwood	Low	Variable	Sapling	
	Balsam Fir	5	Pole/Log	8	96	Whi	ite Spruce	Low	Variable	Sapling	
	Sugar Maple	50	Pole/Log	8	96						-
33	622 - Lov	wland Shrub	1	Nonsto	cked	6.4			No		
34	4130	- Aspen		Sapling	y Well	106.7	16	Immature	N/A		Cut 2008 part of ORV Aspen Sale.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Bigtooth Aspen	20	Sapling	2	16						
	Quaking Aspen	80	Sapling	2	16						
35	4134 - Asp	en, Spruce/	Fir f	Poletimb	er Well	44.6	41		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Bigtooth Aspen	20	Pole	6	41	Ва	alsam Fir	Low	Variable	Pole	
	Sugar Maple	5	Pole	5		Whi	ite Spruce	Low	Variable	Pole	
	Balsam Fir	25	Pole	5	41	Hazeln	ut (American)	Low	Variable	Tall Shrub	
	Quaking Aspen	45	Pole	6	41						
	Red Maple	5	Pole	5	41						



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed :	Site	General Comments
36	4110 - Sugar N	/laple Asso	ciation	Poletimb	er Well	38.0	59	81-110	N/A		This is a hardwood pole stand. Average of around 100 BA. Mainly sugar maple poles.
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	mapo polos.
	White Ash	5	Pole/Log	8			onwood	Low	>20 feet	Sapling	
	Beech	5	Pole	8		Lea	therwood	Low	5 - 10 feet	Tall Shrub	
	Basswood	10	Pole/Log	9							
	Sugar Maple	65	Pole/Log	8	59						
	Yellow Birch	15	Pole/Log	8							
37	6118 - Lowland D	eciduous w	ith Cedar P	oletimbe	Medium	289.6	116	81-110	N/A		This is a large lowland drainage Fern Creek and Pine Creek, that is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	connected across a majority of this compartment. It is mainly black ash to the south with more cedar and some aspen mixed in further north. OI
	Black Ash	65	Pole	8	116		Alder	Medium	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	20	Log/Pole	10					li .	1	stand will be dead next inventory.
	Black Spruce	5	Pole	8							
	Hemlock	5	Log/Pole	12							
	Quaking Aspen	5	Log	12							
38	4110 - Sugar N	Maple Asso	ciation	Sawtimb	er Well	66.4	97	111-140	N/A		Good quality hardwood log stand. Black ash pockets and/or drainages are found within stand. Rocky, rolling terrain but not as rough as
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	surrounding hardwood stands. The far west portion of this stand has
	Yellow Birch	5	Log/Pole	10		Lea	therwood	Low	5 - 10 feet	Tall Shrub	some areas of smaller diameter patches of poles. A couple of small red
	Red Oak	3	XLog/Log	18							oak/beech patches are found within stand.
	Sugar Maple	50	Log/Pole	10	97						OPIC - FMD: CUT IN 1997 AS 'DOC'S RETREAT' SALE.
	Basswood	30	Log	12							
	Beech	5	Log	12							
	White Ash	5	Log/Pole	12							
	Red Maple	2	Pole	8							
39	4119 - Mixed No	orthern Har	dwoods	Sawtimb	er Well	115.8	97	111-140	N/A		Hardwood stand that has a mixed area of pole and log sized trees. Beech
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	in stand is infested with BBD. Crowns are in good shape yet but scale is bad, nearly 100% infected. Beech ranges from scattered to more dense
	Red Oak	3	Log	14		Lea	therwood	Low	5 - 10 feet	Tall Shrub	patches across this stand. Scattered red oak found across entire stand.
	Basswood	23	Log	12							Knobs of younger hemlock found mainly in the southwest. Black ash
	White Ash	5	Log/Pole	12							pockets and drainage are found within. Rocky, rolling terrain. Better quality found on the west side of this stand.
	Sugar Maple	35	Log	12	97						quality Tourist of the Wood of the others.
	Yellow Birch	10	Log/Pole	10							OPIC - FMD: CUT IN 1997 AS 'DOC'S RETREAT' SALE.
	Hemlock	2	Pole/Log	8							
	Beech	20	Log/Pole	10							
	Red Maple	2	Pole	8							
40	4130	- Aspen	_	Saplino	y Well	97.4	6 I	mmature	N/A	_	Cut with the Rocks and Raptors in 2018. Stand needs update.
	Canopy Species	% Cover	Size Class		Age						
	Quaking Aspen	100	Sapling	1	6						

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Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
41	6128 - Lowland ( Deci	Coniferous iduous	Mixed Po	letimb	er Well	14.1	99		N/A		There are clumps of cedar and then other species on rock outcrops with some other species mixed in.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
(	Quaking Aspen	10	Log	10		Blac	k Spruce	Low	Variable	Sapling	
	Balsam Poplar	5	Log	10		Ta	g Alder	Low	Variable	Tall Shrub	
	Balsam Fir	10	Pole	6		Bal	sam Fir	Low	Variable	Sapling	
	Black Spruce	20	Pole/Log	8							
Nor	thern White Cedar	35	Log	10	99						
	Tamarack	5	Pole/Log	8							
	Paper Birch	5	Log	10							
	Black Ash	10	Pole/Log	8							
42	6120 - Lov	wland Ceda	ar Po	letimb	er Well	5.6	113	111-140	N/A		Lowland cedar stand. Ash is dying from EAB
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Yellow Birch	5	Log/Pole	10							
	Black Ash	10	Pole	8							
	Sugar Maple	5	Pole/Log	8							
				_							
Nor	thern White Cedar	65	Pole/Log	9	113						
Nor	thern White Cedar Paper Birch	10	Pole/Log Pole	7	113						
Nor					113						
43	Paper Birch	10 5	Pole Pole	7 8	er Well	96.4	33 lr	mmature	N/A		Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple	10 5 , Mixed Co	Pole Pole	7 8			33 Ir	mmature  Density		Size	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple 4136 - Aspen	10 5 , Mixed Co	Pole Pole nifer Po	7 8	er Well	Sub-Car			N/A  Avg. Height  Variable	<b>Size</b> Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple 4136 - Aspen Canopy Species	10 5 , Mixed Co % Cover	Pole Pole  Nifer Po	7 8 letimb	er Well	Sub-Car Whit	nopy Species	Density	Avg. Height		Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak	10 5 , Mixed Co % Cover 5	Pole Pole  Pole  Size Class  Log/Pole	7 8 letimb DBH	er Well	Sub-Car Whit Blac	nopy Species e Spruce	<b>Density</b> Low	Avg. Height Variable	Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak  Bigtooth Aspen	10 5 , Mixed Co % Cover 5 15	Pole Pole  Pole  Size Class  Log/Pole Pole	7 8 letimb <b>DBH</b> 10 5	er Well  I Age	Sub-Car Whit Blac	nopy Species e Spruce k Spruce	Low Low	Avg. Height Variable Variable	Seeding Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir	10 5 , Mixed Co % Cover 5 15	Pole Pole  Pole  Size Class  Log/Pole Pole Pole	7 8 letimb DBH 10 5 5	er Well I Age 33 33	Sub-Car Whit Blac	nopy Species e Spruce k Spruce	Low Low	Avg. Height Variable Variable	Seeding Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce	10 5 , Mixed Co % Cover 5 15 10 5	Pole Pole  Nifer Pole  Size Class  Log/Pole Pole Pole Sapling/Pole	7 8 letimb DBH 10 5 5 4	er Well I Age 33 33	Sub-Car Whit Blac	nopy Species e Spruce k Spruce	Low Low	Avg. Height Variable Variable	Seeding Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine	10 5 Mixed Co % Cover 5 15 10 5 5	Pole Pole  Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole	7 8 letimb DBH 10 5 5 4 10	er Well I Age 33 33	Sub-Car Whit Blac	nopy Species e Spruce k Spruce	Low Low	Avg. Height Variable Variable	Seeding Seeding	Cut in 1989 part of Social Woodchuck Sale.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen	10 5 Mixed Co % Cover 5 15 10 5 5 5	Pole Pole Pole  Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling	7 8 letimb DBH 10 5 4 10 10 5	er Well    Age	Sub-Car Whit Blac	nopy Species e Spruce k Spruce sam Fir	Low Low	Avg. Height Variable Variable	Seeding Seeding	Cut in 1989 part of Social Woodchuck Sale.  Lowland cedar patch surrounded by hardwoods.
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen	10 5 Mixed Co % Cover 5 15 10 5 5 5 5 5 5 5 5 5 5 5 wland Ceda	Pole Pole Pole  Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling	7 8 letimb 10 5 5 4 10 10 5	er Well 33 33 33 33	Sub-Car Whit Blac Bal	nopy Species e Spruce k Spruce sam Fir	Density Low Low Low	Avg. Height Variable Variable Variable	Seeding Seeding	
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen	10 5 Mixed Co % Cover 5 15 10 5 5 5 5 5 5 5 5 5 5 5 wland Ceda	Pole Pole Pole  Nifer Pole Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling Pole/Sapling	7 8 letimb 10 5 5 4 10 10 5	er Well Age 33 33 33 33 er Well	Sub-Car Whit Blac Bal 8.9 Sub-Car	nopy Species e Spruce k Spruce sam Fir	Density Low Low Low Low	Avg. Height Variable Variable Variable N/A	Seeding Seeding Seeding	
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen  6120 - Lox  Canopy Species	10 5 5 15 5 5 5 5 Wland Cedar 6 7 5 10 6 7 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	Pole Pole Pole  Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling  Ar Pole Size Class	7 8 Iletimb DBH 10 5 5 4 10 10 5 Iletimb	er Well Age 33 33 33 33 er Well	Sub-Car Whit Blac Bal 8.9 Sub-Car	nopy Species e Spruce k Spruce sam Fir	Density Low Low Low Low Density	Avg. Height Variable Variable Variable  N/A  Avg. Height	Seeding Seeding Seeding	
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen  6120 - Low  Canopy Species Red Maple	10 5 Mixed Co  Cover 5 15 10 5 5 5 5 5	Pole Pole Pole  Size Class Log/Pole Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling  Ar Pole Size Class Pole	7 8 letimb DBH 10 5 4 10 10 5 letimb	er Well Age 33 33 33 33 er Well	Sub-Car Whit Blac Bal 8.9 Sub-Car	nopy Species e Spruce k Spruce sam Fir	Density Low Low Low Low Density	Avg. Height Variable Variable Variable  N/A  Avg. Height	Seeding Seeding Seeding	
43	Paper Birch Red Maple  4136 - Aspen  Canopy Species Red Oak  Bigtooth Aspen Balsam Fir Black Spruce Red Pine White Pine Quaking Aspen  6120 - Lov  Canopy Species Red Maple Yellow Birch	10 5 5 15 10 5 5 5 5 5 wland Ceda % Cover 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Pole Pole Pole  Nifer Pole Size Class Log/Pole Pole Sapling/Pole Log/Pole Log Pole/Sapling Pole/Sapling  Size Class Pole Pole	7 8 letimb DBH 10 5 4 10 10 5 letimb DBH 9	er Well Age 33 33 33 33 er Well	Sub-Car Whit Blac Bal 8.9 Sub-Car	nopy Species e Spruce k Spruce sam Fir	Density Low Low Low Low Density	Avg. Height Variable Variable Variable  N/A  Avg. Height	Seeding Seeding Seeding	

Report 7 - Stands



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments
45	6128 - Lowland Dec	Coniferous,	Mixed	Sawtimb	er Well	18.3	99		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	5	Log/Pole	10			alsam Fir	Low	Variable	Sapling	
(	Quaking Aspen	10	Log/Pole	12		Ta	amarack	Low	Variable	Sapling	
	Black Spruce	5	Pole/Log	8		T	ag Alder	Low	Variable	Tall Shrub	
Nor	rthern White Cedar	35	Log/Pole	12	99	Bla	ck Spruce	Low	Variable	Sapling	
	Red Maple	5	Pole/Log	8							
	Black Ash	5	Pole/Log	8							
	Paper Birch	10	Pole/Log	8							
	Hemlock	15	Log/Pole	10							
	White Pine	5	Log	14							
	Balsam Poplar	5	Log/Pole	12							
46	6118 - Lowland D	eciduous w	ith Cedar	Poletimb	er Well	5.2	42	81-110	N/A		This is a little lowland patch. It has saturated ground with about 1/3 being
	Canopy Species		Size Class		Age	0.2		0			a cedar/black ash cover type. It appears that it was clear-cut in the past
	rthern White Cedar	25	Pole	8	Age						while staying out of the cedar/black ash, allowing aspen to fill in the openings. Lowland species around 100 years old.
1401	Black Ash	10	Pole	8							openings. Lowiand species around 100 years old.
	Quaking Aspen	35	Pole	6	42						
	Balsam Poplar	20	Pole	6							
	Yellow Birch	3	Log/Pole	10							
	Sugar Maple	2	Pole	8							
	Red Maple	5	Pole	8							
	· · · · · · · · · · · · · · · · · · ·										
48	4110 - Sugar N	<u> </u>		Sawtimb		15.1	92	81-110	N/A		Nice mixed northern hardwood stand. BA averages under 110. There is still plenty of room for crowns to grow, not quite ready to be thinned yet.
	Canopy Species		Size Class		Age						A drainage borders most of the southeast side of this stand along with a
	Beech	2	Log/Pole	10							steeper slope in the south which may be difficult to access. The best
	Sugar Maple	70	Log/Pole	12	92						access would be from the north through private property. A fairly open skid trail mapped from the west would make excellent access through
	Yellow Birch	10	Log/Pole	12							state with a little bit of road work if denied access through private.
	Basswood	15	Log	14							
	Red Oak	2	Log/XLog	16							OPIC - FMD: CUT IN 1997. Bitternut Hickory scattered in this stand.
	Quaking Aspen	1	Log/XLog	16							
49	4130	- Aspen		Poletimb	er Well	49.7	42	81-110	N/A		Younger aspen stand. Rocky rolling terrain. Scattered mixed hardwood
	Canopy Species	% Cover	Size Class	DBH	Age						poles, beech, and oak is found across stand. Abundant ironwood saplings around edges of this stand. 1/2 acre patch of Japanese barberry
	Beech	2	Log	14							found in south central part of stand. Patch of cedar lowland in southwest
	Sugar Maple	4	Pole/Saplin	g 6							corner.
	Red Oak	2	Log	16							OPIC - FMD: OI Stand Year Origin was 1982, prescription was to leave
	Quaking Aspen	92	Pole	7	42						hemlock, oak, beech, cedar, cherry, hickory, white pine and a 2" spec for the rest of the spp.

7 - Stands



Stand	tand Level 4 Cover 1		s	<u> </u>	Acres	Stand Age I	BA Range	Managed S	Site	General Comments	
50	622 - Low	land Shrub	)	Nonsto	ocked	7.0			No		
51	6120 - Lov	vland Ceda	ar Po	oletimb	er Well	9.8	113	141-170	N/A		Lowland cedar with dense balsam under story.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Ash	15	Pole	8		Bal	sam Fir	Medium	10 - 20 feet	Sapling	
	Balsam Fir	5	Pole/Sapling	5							
Noi	rthern White Cedar	80	Pole/Log	9	113						
52	4111 - S.Maple, Ha	ard Mast A	ssociation Po	oletimb	er Well	13.2	50	81-110	N/A		Average BA around 110. Mainly hardwood poles with scattered remnant
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	oak and aspen. Very limited access. Very difficult terrain. No roads access this stand from state land. Steep drainage cuts across north 1/3
	Balsam Fir	5	Sapling/Pole	4			ar Maple	Low	>20 feet	Sapling	of stand. Recommend revisiting access through state land when adjacent
	Sugar Maple	50	Pole/Sapling	6	50						aspen is harvested in the future.
	Basswood	15	Pole	7	50						OPIC - FMD: Rough terrain. Do not cut. Leave for wildlife. We tried
	Bigtooth Aspen	15	Log	14							putting up a sale in this area and terrain and private owner blocked
	Red Oak	15	Log/XLog	16	104						access.
<u> </u>	6119 - Mixed Lowla  Canopy Species		ous Forest Pole		Mediun		102	51-80 Density	N/A Avg. Height	Size	Lowland stand.Most of the ash is dying from EAB.
	Beech	5	Pole/Log	9			Alder	Low	5 - 10 feet	Tall Shrub	
	Black Ash	25	Pole/Log	8	102						
	Red Maple	5	Pole	8							
	Yellow Birch	50	Log/Pole	10	102						
Noi	rthern White Cedar	15	Pole/Log	9							
55	4130	- Aspen	Po	oletimb	er Well	16.6	45	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Red Maple	4	Pole/Sapling	6		Leat	therwood	Low	5 - 10 feet	Tall Shrub	
	Red Oak	1	Log	14		Sug	ar Maple	Medium	>20 feet	Sapling	
	Sugar Maple	14	Pole/Sapling	6							-
	Quaking Aspen	72	Pole/Log	9	45						
	Paper Birch	2	Pole	6							
	Balsam Fir	4	Pole	7							
	White Spruce	1	Pole	9							
	Beech	1	Pole/Sapling	6							
	White Pine	1	XLog	22							

port 7 – Stands Compartment: 105
Year of Entry: 2026

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Stand	d Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age BA Range		Managed S	Site	General Comments	
56	4110 - Sugar M	oletimber Well		8.7	37	51-80	N/A		The west half of this stand can never be accessed. There is a 3.5 acre patch in the east half that could be managed in the future. Inventory is			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	based on the east half. This is a hardwood sapling/pole stand that is cut	
	Sugar Maple	71	Pole/Sapling	5	37	Sug	gar Maple	Low	10 - 20 feet	Sapling	in half by a steep, wet lowland drainage making the west half	
	Quaking Aspen	3	Log/XLog	15							inaccessible. Large remnant aspen is scattered within. OPIC - FMD: . INACCESSABLE.	
	Yellow Birch	2	Pole/Sapling	5							INACCESSABLE.	
	Red Maple	10	Pole/Sapling	5								
	Bigtooth Aspen	3	Log/XLog	15								
	Basswood	10	Pole/Sapling	7								
	Red Oak	1	Log/XLog	15								
57	4199 - Other Mixed	d Upland D	eciduous Sa	wtimb	er Well	76.7	97	81-110	N/A		Thinned in Dec 2023 part of Yellow Brick Road Sale.	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: NICE OAK! SOME STEEP SLOPES. Thinned in 1991.	
	Beech	10	Pole/Log	8		Ire	onwood	Low	10 - 20 feet	Sapling	OF TO TIME. NICE OAK! COME CITED CECLES. THIRING IN 1991.	
	Sugar Maple	20	Pole	7								
	Red Oak	36	Log/XLog	16	97							
	Basswood	10	Pole/Log	8								
	Bigtooth Aspen	15	Log/Pole	12								
	Yellow Birch	2	Pole/Log	8								
	White Ash	2	Pole/Log	9								
	Paper Birch	5	Pole	8								
58	4110 - Sugar M	aple Asso	ciation Po	letimb	er Well	5.1	96	111-140	N/A		There are hills and rocks here.	
	Canany Species											
1	Canopy Species	% Cover	Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Basswood	% Cover	Size Class Pole/Log		Age 96		nopy Species therwood	<b>Density</b> Low	Avg. Height Variable	Size Tall Shrub		
				DBH								
	Basswood	20	Pole/Log	<b>DB</b> I	96							
	Basswood Red Oak	20	Pole/Log Pole/Log	10 10	96 96							
	Basswood Red Oak Beech	20 10 5	Pole/Log Pole/Log Pole/Log	10 10 10	96 96 96							
59	Basswood Red Oak Beech White Ash	20 10 5 10 55	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	10 10 10 10 10	96 96 96 96						Oak was left in past. This is a mixed pole stand. Some areas are heavie	
59	Basswood Red Oak Beech White Ash Sugar Maple	20 10 5 10 55	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	10 10 10 10 10	96 96 96 96 96 96	20.1	therwood 42	Low	Variable N/A		Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered	
59	Basswood Red Oak Beech White Ash Sugar Maple 4199 - Other Mixed	20 10 5 10 55	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	10 10 10 10 10	96 96 96 96 96	20.1 Sub-Ca	therwood	Low 81-110	Variable	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavier to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of	
59	Basswood Red Oak Beech White Ash Sugar Maple 4199 - Other Mixed Canopy Species	20 10 5 10 55 d Upland D	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Size Class	DBH 10 10 10 10 10 DBH	96 96 96 96 96 96	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be	
59	Basswood Red Oak Beech White Ash Sugar Maple  4199 - Other Mixed Canopy Species Red Oak	20 10 5 10 55 d Upland D	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Size Class Log/XLog/Pole	DBH 10 10 10 10 10 DBH 14	96 96 96 96 96 96	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be accessible except possibly areas bordering the fern creek lowland. CAN	
59	Basswood Red Oak Beech White Ash Sugar Maple  4199 - Other Mixed Canopy Species Red Oak Black Cherry	20 10 5 10 55 d Upland E <b>% Cover</b> 29 2	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log	10	96 96 96 96 96 96	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be accessible except possibly areas bordering the fern creek lowland. CAN NOT access beyond stand lines along the west due to rock bluffs and	
59	Basswood Red Oak Beech White Ash Sugar Maple  4199 - Other Mixed Canopy Species Red Oak Black Cherry Beech	20 10 5 10 55 d Upland E % Cover 29 2 2	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole Pole Pole/Log	DBH 10 10 10 10 10 DBH 14 7 8	96 96 96 96 96 96	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be accessible except possibly areas bordering the fern creek lowland. CAN	
59	Basswood Red Oak Beech White Ash Sugar Maple  4199 - Other Mixed Canopy Species Red Oak Black Cherry Beech Basswood	20 10 5 10 55 d Upland E % Cover 29 2 2 8	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole Pole Pole Pole Pole	DBH 10 10 10 10 10 DBH 14 7 8 8 8	96 96 96 96 96 96	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavie to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be accessible except possibly areas bordering the fern creek lowland. CAN NOT access beyond stand lines along the west due to rock bluffs and very steep terrain. Small black ash pocket in north. OPIC - FMD: OI	
59	Basswood Red Oak Beech White Ash Sugar Maple  4199 - Other Mixed Canopy Species Red Oak Black Cherry Beech Basswood White Ash	20 10 5 10 55 d Upland D <b>% Cover</b> 29 2 2 8 5	Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole/Log Pole Pole Pole Pole Log/Pole	DBH 10 10 10 10 10 10 10 10 10 10 10 10 10	96 96 96 96 96 91 92	20.1 Sub-Ca	therwood  42 nopy Species	Low 81-110 Pensity	Variable  N/A  Avg. Height	Tall Shrub	Oak was left in past. This is a mixed pole stand. Some areas are heavier to aspen, some areas to maple/basswood. Larger oak logs scattered within with some more dense pockets of oak poles in the west 1/3 of stand. Remnant older aspen is scattered across stand. Steep rolling terrain across most of stand. Everything within stand lines should be accessible except possibly areas bordering the fern creek lowland. CAN NOT access beyond stand lines along the west due to rock bluffs and very steep terrain. Small black ash pocket in north. OPIC - FMD: OI	

ort 7 – Stands



Compartment: 105

Year of Entry: 2026

Stand **Level 4 Cover Type** Size Density Managed Site **General Comments** Acres Stand Age BA Range Poletimber Well 59.5 104 N/A 60 4123 - Red Oak 111-140 OPIC - FMD: Rough terrain. This stand was marked to sell in 1997, but **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size terrain and access limitations prevented operations. 12 Quaking Aspen Sugar Maple Low >20 feet Sapling Loa 12 White Ash 5 Log 2 Hemlock Pole/Loa 8 15 8 Sugar Maple Pole/Loa 14 Red Pine 1 Log 70 12 Log/Pole 104 Red Oak Basswood 5 Log/Pole 12 6 Beech 1 Pole 4130 - Aspen 61 Sapling Well 10.8 8 **Immature** N/A Cut in 2016 under Rocks and Raptors timber sale. % Cover Size Class **Canopy Species DBH Age Sub-Canopy Species** Density Avg. Height Size White Pine 5 12 70 Aspen (spp.) Full 5 - 10 feet Sapling Log 10 Red Pine 5 Log 90 Quaking Aspen Sapling 1 8 6.7 87 81-110 N/A 4123 - Red Oak Poletimber Well Small oak stand that was broken out from current inventory. Most of this 62 stand was marked in the past but never cut. Average of 140 BA of **Canopy Species** % Cover Size Class **DBH Age** oak/mixed hardwood poles, and mixed size oak logs. CAN NOT access 42 Sugar Maple 20 Pole/Sapling 7 beyond stand lines along the south and west due to rock bluffs and very steep terrain. Basswood 13 8 Pole 65 Red Oak Log/Pole 12 87 2 8 Beech Pole/Loa N/A 63 4319 - Mixed Upland Forest Sawtimber Well 101.1 99 111-140 There is a lot of rock and creeks running through and will hold. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 5 6 69 Sapling Red Maple Pole White Spruce Low Variable Red Pine 25 Log/Pole 12 99 Balsam Fir Variable Sapling Low Basswood 3 Pole/Loa 8 69 Hazelnut (American) Low Variable Tall Shrub Hemlock 2 12 99 Log/Pole Red Oak 5 14 99 Log **Black Cherry** 5 Pole/Loa 8 69 Paper Birch 5 Log/Pole 10 69 Bigtooth Aspen 20 Log/Pole 10 69 Northern White Cedar 99 5 Log/Pole 12 Quaking Aspen 10 Log/Pole 10 69 Sugar Maple 5 Pole 6 69 10 14 White Pine Log 99

Report 7 – Stands

Compartment: 105

Year of Entry: 2026

DNR MICHIGAN
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Stand	Level 4 Co	Size Density			cres S	Stand Age B	A Range	Managed S	ite	General Comments		
64	42390 - Mixed Non-Pine U		ne Upland Conifers		Poletimber Well		9.0	113	111-140	N/A		Half lowland cedar, half hemlock poles with mixed hardwood and white
	Canopy Species	% Cover	Size Class	DE	BH Ag	Sı	ıb-Cano	opy Species	Density	Avg. Height	Size	pine on transition into uplands. OPIC - FMD: OI Stand Year Origin was 1911
	Sugar Maple	5	Pole	7	'		Bals	am Fir	Low	10 - 20 feet	Sapling	
	White Pine	5	XLog	30	)				,			-
	Red Maple	5	Pole	7	'							
	Yellow Birch	5	Pole	8								
	Hemlock	35	Pole/Sapling	ng 7	'							
Nor	thern White Cedar	35	Pole/Log	9	113	;						
	Red Oak	5	Log/XLog	10	6							
(	Quaking Aspen	5	Log	14	1							
65	4111 - S.Maple, Ha	ard Mast As	ssociation	Poletin	nber W	ell 1	6.6	47	81-110	N/A		This stand was broke out from past inventory from the adjoining oak stand due to a different species composition and size. This is a northern
	Canopy Species	% Cover	Size Class		BH Age	Sı	ıb-Cano	opy Species	Density	Avg. Height	Size	hardwood pole stand with scattered oak log trees and remnant aspen.
(	Quaking Aspen	3	Log	12			Suga	r Maple	Low	>20 feet	Sapling	The only access to this stand would be through a funnel from the north
	Basswood	5	Log/Pole									due to steep terrain. This stand should coincide with adjoining harvests in the future.
	Sugar Maple	70	Pole/Sapling	ig 5								the future.
	Red Oak	20	Log	14	1 104							
	Hemlock	2	Pole/Log	8								
66	4130 - Aspen			Sapling Well		_	6.1 41		111-140	N/A		Young aspen stand. Very dense balsam understory. Little cedar bubble drains out to the north. Remnant oak and white pine were left.
	Canopy Species	% Cover			BH Age	Sı	ıb-Cano	opy Species	Density	Avg. Height	Size	drains out to the north. Northant oak and write pine were left.
	White Pine	3	XLog/Log				Suga	r Maple	Low	10 - 20 feet	Sapling	OPIC - FMD: OI Stand Year Origin was 1983
	Red Oak	3	XLog/Log	18	3		Whit	e Pine	Medium	10 - 20 feet	Sapling	
	Balsam Fir	5	Pole/Saplin	_			Bals	am Fir	High	10 - 20 feet	Sapling	
(	Quaking Aspen	40	Sapling/Pol		41							
I	Bigtooth Aspen	40	Sapling/Pol	le 3	41							
	White Spruce	4	Pole/Saplin	ig 6								
	Balsam Poplar	5	Sapling/Pol	le 3								
67	4130	- Aspen		Poletimber \		ell 1	19.2 79	79	111-140	N/A		Older aspen stand. Mixture of quaking and bigtooth in excellent shape.
	Canopy Species	% Cover	Size Class	DE	BH Age							Dominant age is 72 with a component of younger aspen mixed in as well. Hardwood and white pine poles fairly abundant in understory. Scattered
	White Pine	5	Log/Pole	12	2							oak poles and remnant overstory oak and white pine trees across stand.
	Red Oak	15	Log/Pole	12	2							A fairly steeper slope sweeps across the stand (north/south) becoming
(	Quaking Aspen	30	Log	14	4 79							steeper to the north. Most of this stand should be operable except possibly in the far northern portion which will be determined during TSE
	Bigtooth Aspen	30	Log	14	1 79							work.
	White Spruce	2	Pole	8								
		1										

1.5

Nonstocked

Report 7 - Stands

Compartment: 105

Year of Entry: 2026 Stand **Level 4 Cover Type** Size Density **Managed Site General Comments** Acres Stand Age BA Range 6120 - Lowland Cedar Poletimber Well 3.4 99 N/A Unspecified 68 **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size Red Maple 5 Pole/Loa Balsam Fir Low Variable Sapling 5 Log/Pole 10 Tag Alder Variable Tall Shrub Quaking Aspen Low Balsam Poplar 5 Log/Pole 12 White Spruce Iow Variable Sapling 10 6 Balsam Fir Pole 10 Black Spruce Pole 6 5 Log/Pole 10 Paper Birch Red Pine 5 Log/Pole 12 55 8 Northern White Cedar Pole 99 69 4110 - Sugar Maple Association Poletimber Well 37.8 79 111-140 N/A Cut Fall of 2022 part of Yellow Brick Road Sale. **Canopy Species** % Cover Size Class **DBH Age** Paper Birch 3 Log/Pole 12 10 12 White Ash Log/Pole 10 16 Red Oak Loa/XLoa 12 Basswood 25 Log/Pole Sugar Maple 45 Pole/Loa 9 79 Beech 2 Pole 8 5 15 Quaking Aspen Log 42260 - Natural Pine, Mixed Deciduous Poletimber Well 18.6 65 111-140 N/A Mixed stand with aspen saplings filling in any gaps. Very diverse age 70 ranging from 26 year old aspen to 90 year old white pine with a majority **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size of pine and a little bit of white spruce species around 60 years old. This Sugar Maple 2 Pole 7 Aspen (spp.) Medium 10 - 20 feet Sapling stand should be left alone to not damage aspen regen which is thriving any place the canopy has openings and places in the understory. 7 5 Pole Red Maple Red Pine 10 Log 15 OPIC - FMD: OI Stand Year Origin was 1934 50 White Pine Log 12 65 Cut 1991 Oine Creek Lake Sale 4 Log/Pole 12 Paper Birch 4 12 White Spruce Log 65 Quaking Aspen 25 Sapling 3 32 4130 - Aspen Sapling Well 10.8 12 Immature N/A Fully stocked aspen sapling stand with abundant white pine poles and 71 scattered large red pine. **DBH Age Canopy Species** % Cover Size Class Red Pine 5 XLog/Log 18 OPIC - FMD: Needs survey. Request sent. Save pine and cherry. HARVESTED WITH PINEAPPLE POPPLE SALE 2012 #12-006-10-01 Quaking Aspen 85 Sapling 1 12 White Pine 10 Pole 6

No

72 212 - Non-tilled Herbaceous Agriculture

issue.

Grass opening. Fenced in by private owner. WLD was notified about



Stand	Level 4 Ce	over Type		Size Density	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
74	429 - Mixed L	Jpland Con	ifers	Sawtimber Well	18.4	85	111-140	N/A		Very open understory with gentle terrain. Clones of younger aspen are
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	present but majority of aspen is very large and ready to decline. Previous site condition on stand from 2005 was to hold off on harvest to not
	Red Pine	15	Log/Pole	10	Whi	te Spruce	Low	>20 feet	Pole	damage 3" diameter, 30' tall natural pine regeneration. Both red and
	Sugar Maple	2	Pole/Log	8			'		,	white pine ranges from small pole size to 20"+. Most of the pine has
	White Spruce	8	Pole	7						reached the overstory and grew in diameter from the previous site condition. More red pine is found in the east at a much smaller diameter
	Red Maple	5	Pole/Log	9						which is topped over by large aspen. Some pine is starting to self thin.
	Quaking Aspen	30	Log	14 85						Removing hardwood species would open up pine to grow and create an
	White Pine	40	Log/Pole	10 85						excellent natural pine stand adjacent to Pine Creek. A natural spring pipe is located in the northwest corner and can be found in the reference layer.
75	4133 - Aspe	en, Mixed P	ine	Sapling Well	27.1	12	Immature	N/A		Aspen sapling stand. Large pine scattered across stand. Fully stocked
	Canopy Species	% Cover	Size Class	DBH Age						with aspen except areas where pine is too dense.
	Black Cherry	1	Pole	7						OPIC - FMD: The south end has some hardwood that may be excluded
	Quaking Aspen	79	Sapling	1 12						from a sale. Survey requested. Use care to protect logging dam site
	Red Pine	10	XLog/Log	18						south of this stand. HARVESTED WITH PINEAPPLE POPPLE SALE 2012 #12-006-10-01
	White Pine	10	XLog/Log	18						2012 #12 000 10 01
76	42200 - Natu			Sapling Poor	5.2	21	Immature	N/A		Opening that seeded in dense with 20' white pine saplings/poles.  Average 3"-4" diameter. About 1/3 of this stand is fully stocked.
	Canopy Species	% Cover	Size Class							
	Black Cherry	5	Pole/Saplin	0						
	White Pine	95	Sapling/Pol	e 3 21						
77	42360 - U	pland Ceda	ır	Sawtimber Well	4.3	113	111-140	N/A		Upland cedar patch, drainage area from adjacent private higher ground.
	Canopy Species	% Cover	Size Class	DBH Age						OPIC - FMD: OI Stand Year Origin was 1911
No	rthern White Cedar	79	Log/Pole	10 113						·
	Hemlock	15	Log/Pole	10						
	Quaking Aspen	3	Log	14						
	Yellow Birch	3	Pole	7						
78	500 -	Water		Nonstocked	12.0	84		No		Lake with cattail/lowland shrub perimeter.
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
				Ca	ttail spp.	Trace	Unspecified	Non-Wood		
79	4136 - Aspen	, Mixed Co	nifer	Poletimber Well	33.0	42	111-140	N/A		Young aspen stand with paper birch. Red maple saplings 20'+ in under
-	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	story. Remnant pine scattered. Small patch on the east side of Pine Creek Lake Road was not harvested and has larger older trees.
	White Pine	4	Log	14	Re	ed Maple	Low	>20 feet	Sapling	
	Paper Birch	5	Pole/Log	9						OPIC - FMD: OI Stand Year Origin was 1982
	Red Pine	15	Log	12						
	Hemlock	1	Log	14						
	Red Maple	10	Sapling/Pol	e 3						
	Bigtooth Aspen	65	Pole/Log	8 42						



Stand	d Level 4 Co	over Type	S	Size Der	sity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
81	3102	- Grass		Nonsto	cked	20.2			No		Grass opening with scattered black cherry across the entire field.
82	6120 - Lov	ar P	Poletimber Well		3.3	113	111-140	N/A		Lowland cedar with some black ash and tamarack mixed in more to the north. Old barbed wire fence meanders across the middle of this stand	
	Canopy Species	% Cover	Size Class	DBH Age							running north/south.
	Tamarack	5	Pole	7							•
No	orthern White Cedar	73	Pole	9	113						
	Black Ash	16	Pole/Sapling	6							
	Paper Birch	3	Pole/Sapling	5							
	White Pine	1	Log/XLog	14							
	Black Spruce	2	Pole/Sapling	6							
83	122 - Road	I/Parking L	ot	Nonstoo	cked	1.9			No		OPIC - FMD: Pine Creek Lake road.
85	4134 - Aspe	en, Spruce/	Fir P	oletimbe		3.8	96	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Red Maple	20	Pole/Log	8		Ва	lsam Fir	Medium	Variable	Sapling	
	Paper Birch	15	Pole/Log	8							
	Balsam Fir	20	Pole/Log	8	96						
	White Spruce	5	Pole/Log	8							
	Quaking Aspen	40	Log/Pole	11	96						