

Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12113 Entry Year 2025 Acreage: 3,343

County Dickinson

Management Area: Cassidy Creek

Stand Examiner: Jacob Siler

Legal Description:

T41N,R29W Sections 4, 5, 6, 7, 8, 17,18. T41N,R30W Sections 1, 12, 13, 24. T42N, R29W Section 32.

Identified Planning Goals:

This compartment has a high recreational potential that influences our efforts at managing a healthy, diverse area with more emphasis on fish and wildlife habitats within this unusually rugged area.

Soil and topography:

Soils are shallow and rocky. The topography is unusually rugged in this compartment.

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

This area was once owned by Hanna Minning Company and was the site of the Groveland Mine. After the mine closed in the early 1980s a large portion of land was gifted to the state. A recreational area now occupies much of land. Recreation heavily revolves around the mine ponds, adjacent roads and rugged terrain. Popular recreation for this area includes hunting, fishing, camping, and snowmobiling. The potential establishment of a solar field on heavily degraded and unproductive mine tailings may bring another use for a portion of the gifted land. Michigan Minning LLC currently has ownership of the pit and some adjacent land to the north. Private ownership surrounding the compartment is small and made up by handful of private landowners.

Unique Natural Features:

This site was likely in the middle of a mountain range. It's now only the roots of the range, but it is rugged, diverse and beautiful. It has large ponds that were designed for mining use but now provide a more diverse site.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

This is a widely used recreation area in the summer, fall and winter. Summer brings lots of campers and fishermen. Fall brings bird and deer hunters. Winter brings ice fisherman and snowmobilers.

Watershed and Fisheries Considerations:

There is the Pine Creek, Mounty's Creek, the North, South, East and West Pond. Steel Creek and Pine Creek flow within this compartment and are designated Type 1 trout streams. A portion of the Groveland Mine Complex is also within this compartment and includes East Pond and South Pond. Unnamed streams and wetlands are also within this compartment. For all designated trout streams less than 50 feet in width, a 300' buffer is recommended in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope. For all non-designated trout streams, waterbodies and wetlands should include a 100' buffer.

Wildlife Habitat Considerations:

This is a very diverse area that provides habitat requirements for a variety of game and nongame species. The riparian areas will continue to be managed in a fashion that will benefit eagles and ospreys with the maintenance of super canopy trees in the overstory, to provide nest and perch sites. Herons have maintained rookeries in this complex of lakes, historically and current habitat features exist to encourage them to nest here again. Loons nest on Island Pond. Any harvest activities will need to take these species nesting time and locations into account during harvest operations. Hardwood stands scheduled for harvest will be treated in a way that provides structural and species diversity. Dense lowland and upland conifer sites provide both winter and summer habitat requirements for species such as deer, bobcat, and snowshoe hare. Turkeys occupy many of the forest edges and large open areas.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of thin to discontinuous glacial till over bedrock. The glacial drift thickness varies between 10 and 100 feet. The Precambrian Archean granite/gneiss and minor Michigamme formation outcrop below the glacial drift. There is not an economic use for these rocks, although the granite/gneiss might have building stone potential. The Groveland Iron mine is located to the north. This compartment was not previously leased for metallic exploration but could have potential. A gravel pit is located in Section 5. There is no economic oil and gas production in the UP.

Vehicle Access:

Lots of roads both opened and closed to ORV use. A snowmobile trail occupies the east boundary, south pond access road, of the compartment in the winter. Roads are not plowed and often in rougher shape. ORV use in mine tailings and low areas is an ongoing issue.

Survey Needs:

Survey may be needed.

Recreational Facilities and Opportunities:

Many diverse opportunities for hunting, fishing and snowmobiling abound in this compartment. Boat ramps/access sites are of good quality. Access roads have been improved in recent years.

Fire Protection:

This is a possible fire area because of the amount of public use. There would be a problem with the rugged terrain but there is a lot of water available.

Additional Compartment Information:

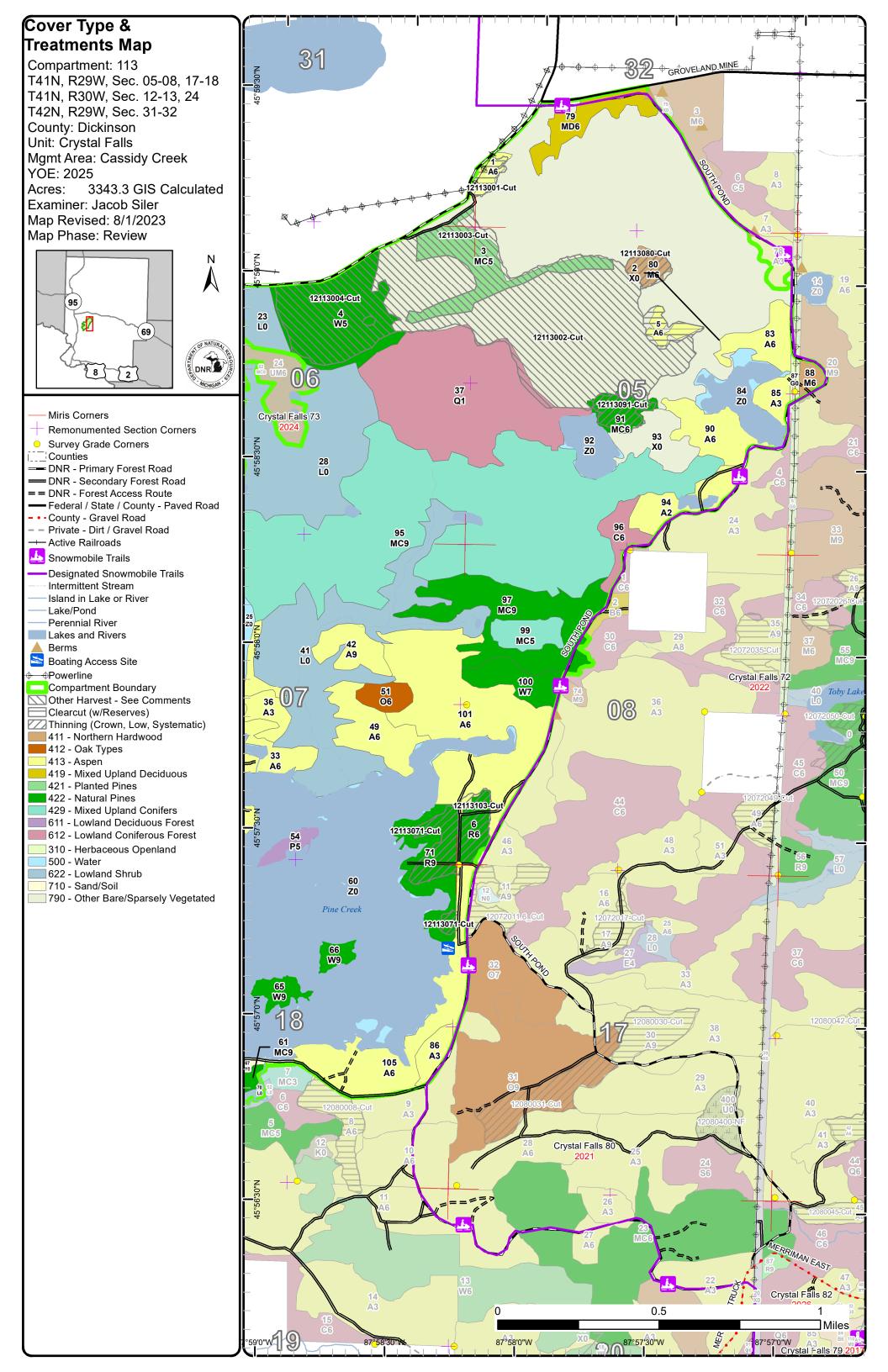
The following reports from the Inventory are attached:

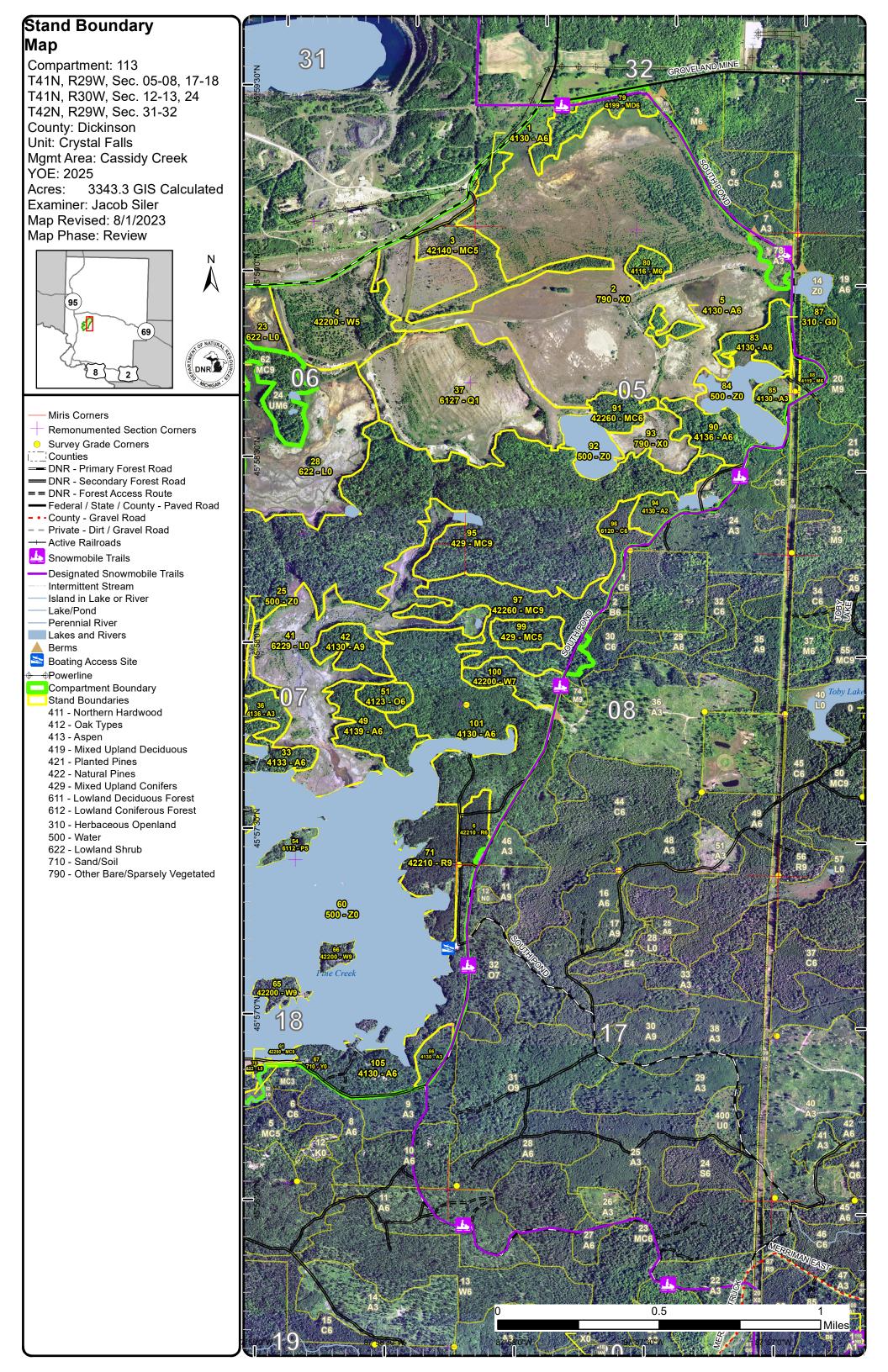
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

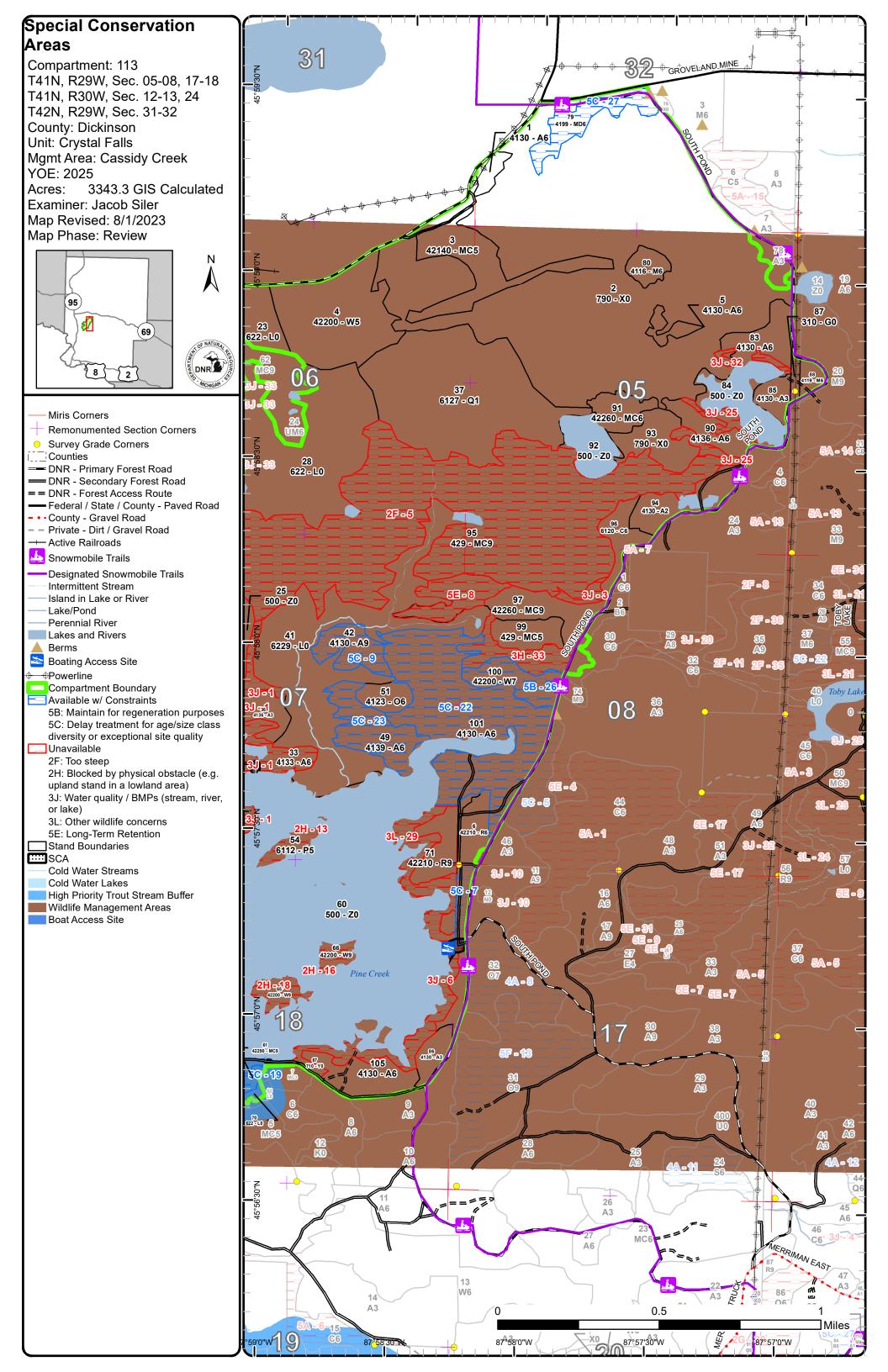
The following information is displayed, where pertinent, on the attached compartment maps:

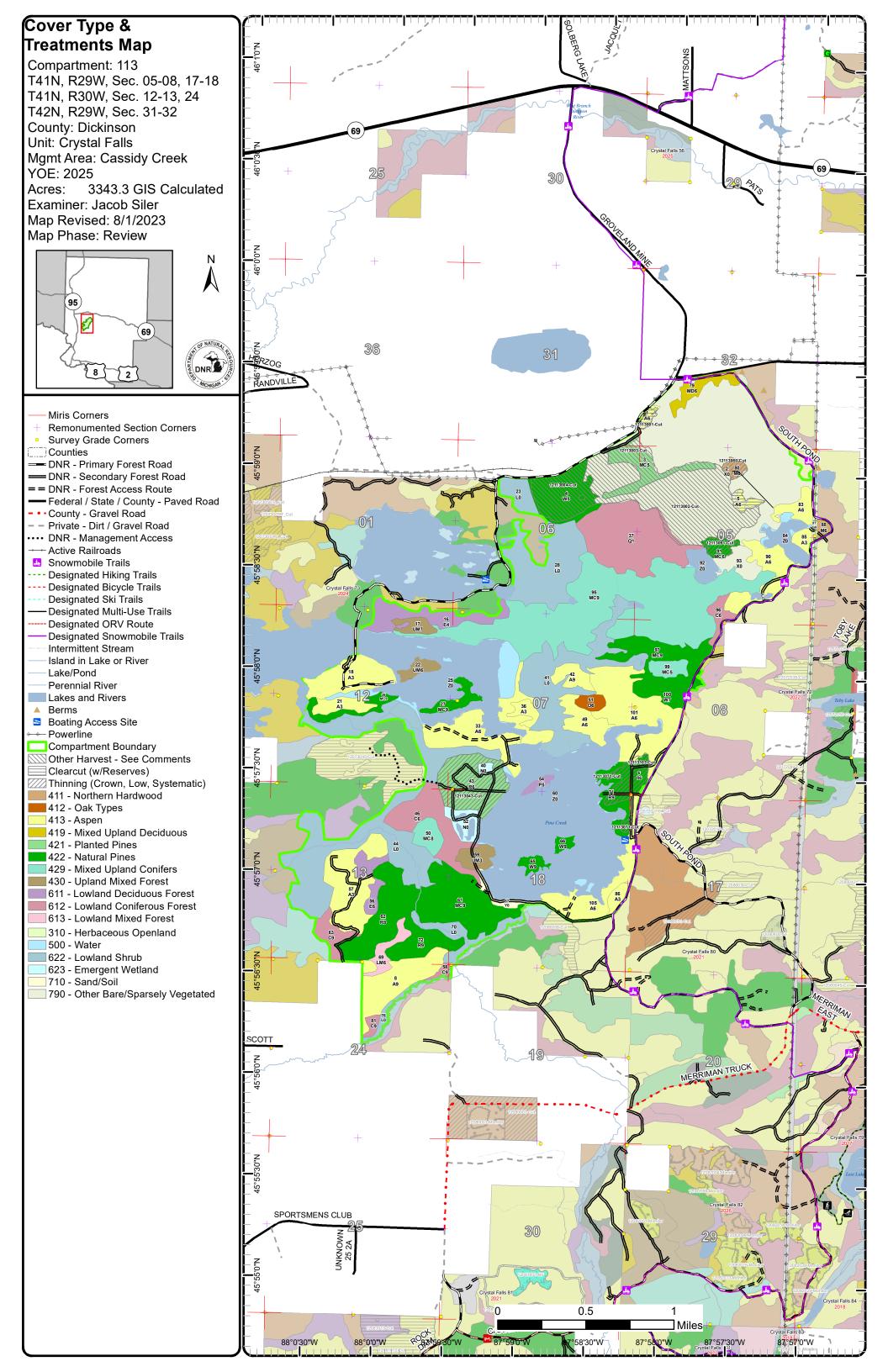
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries

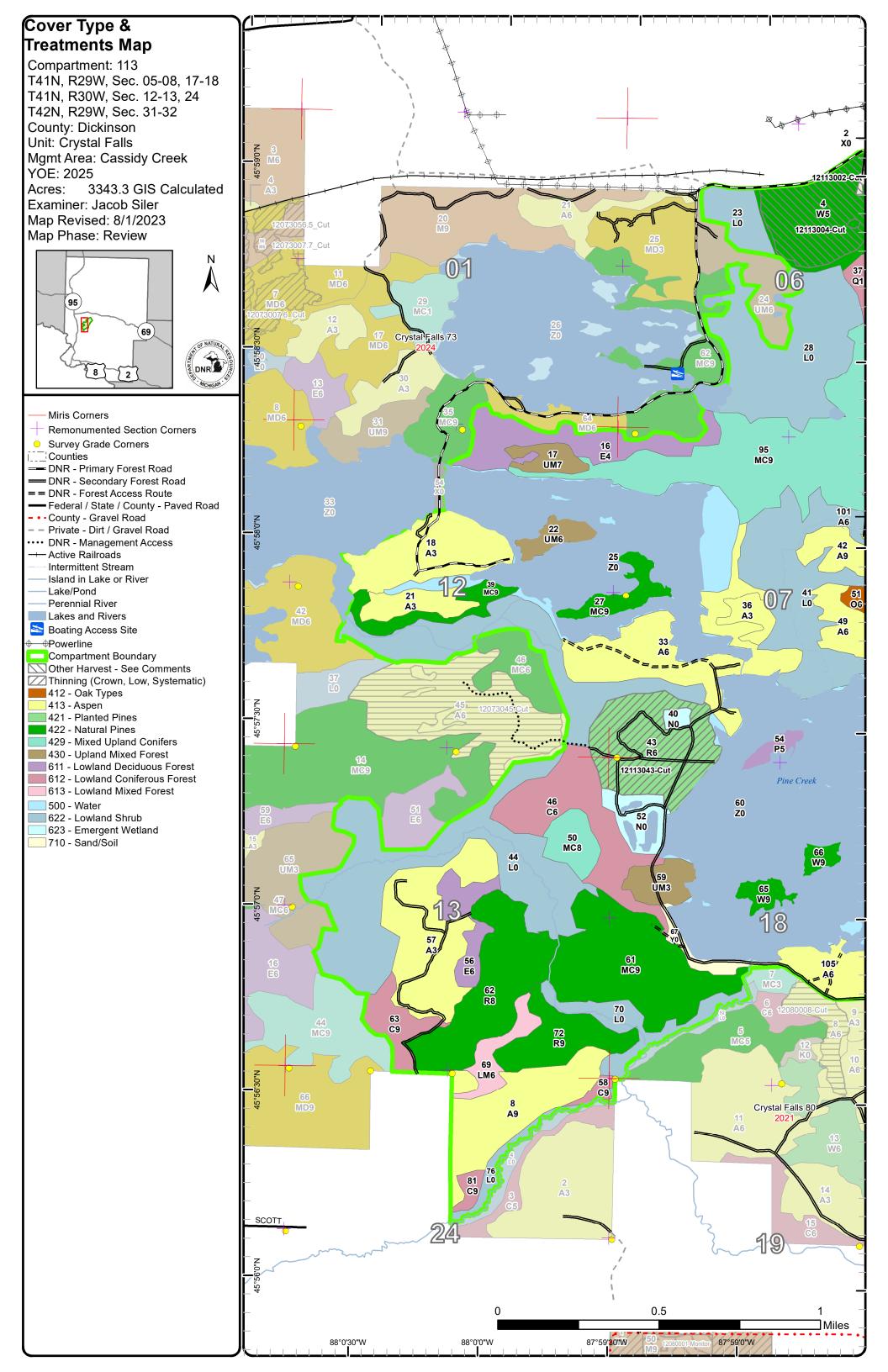
Details on the road access system

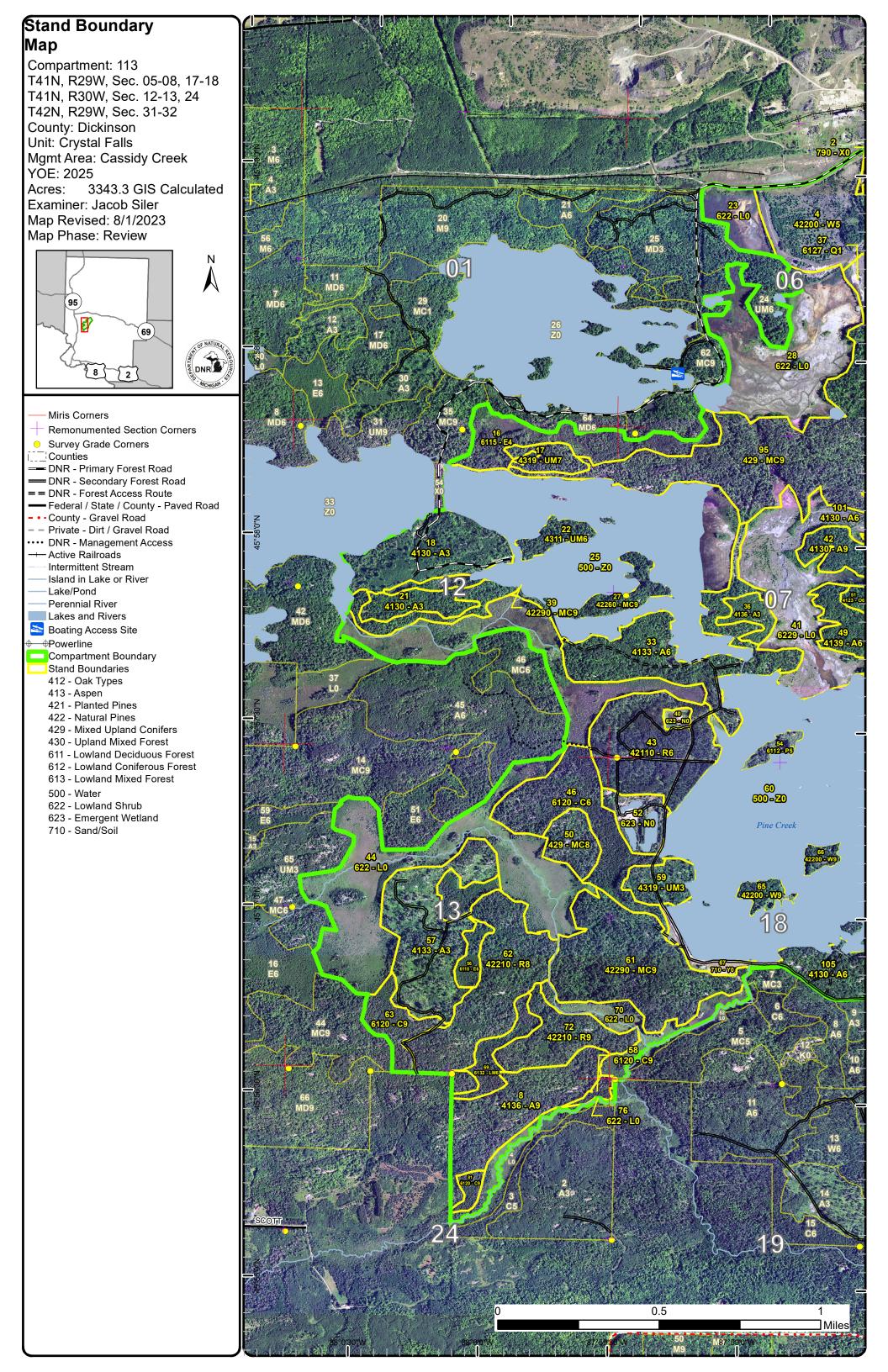


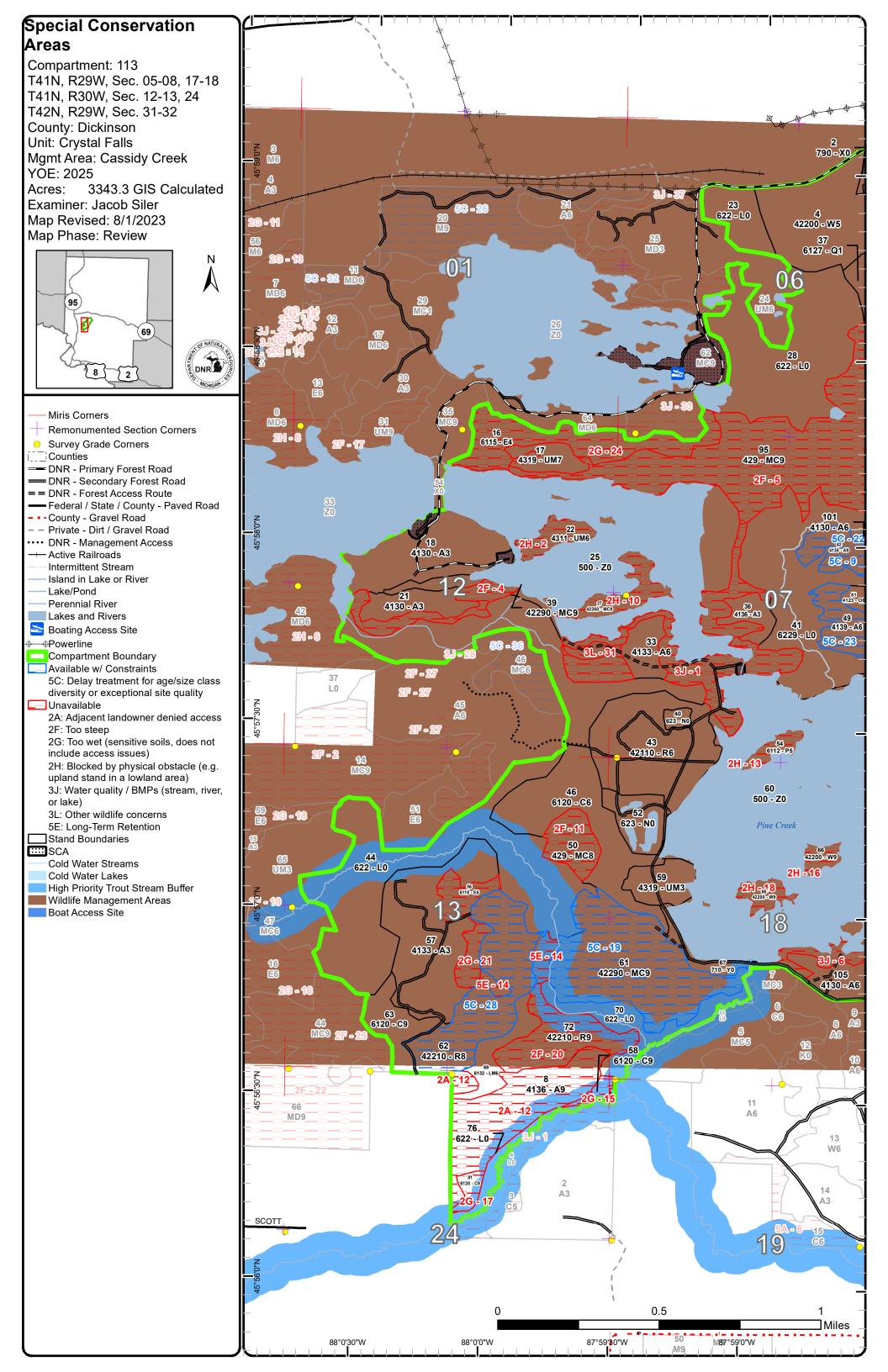












Compartment 113 Year of Entry 2025

Jacob Siler : Examiner

Crystal Falls Mgt. Unit



Age Class

						,	,	,				,		,					, ,	
	No.		/ 8 / s			8 /8		3/8	/ &	/ \$ ^P / \$			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					/ * / .	No. No.	
	₹ 000	`/`	/ (\$ / *)	/ 10	/ 48	/ &	·/ *	s / *	s / &	/ %	Za	/ %	`/ &	, / %	\$ / *	\ 30°		/
Aspen	0	24	142	18	0	129	97	82	0	74	0	0	0	0	0	0	0	0	566	i
Bare/Sparsely Vegetated	439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	439	
Cedar	0	0	0	0	0	0	0	0	0	0	75	5	0	15	0	0	0	0	95	
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Lowland Aspen/Balsam Poplar	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6	
Lowland Conifers	0	0	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	18	44	0	0	0	0	0	62	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15	
Lowland Shrub	475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	475	
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	19	
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	87	105	0	0	0	0	0	192	
Northern Hardwood	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12	
Oak	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8	
Planted Mixed Pines	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
Red Pine	0	0	0	0	0	0	11	66	0	37	0	101	0	0	0	0	0	0	214	
Sand, Soil	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
Upland Conifers	0	0	0	0	0	12	0	0	0	16	0	0	315	0	0	0	0	0	343	
Upland Mixed Forest	0	0	16	0	0	0	0	0	0	0	11	0	12	0	0	0	0	0	39	
Water	584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	584	
White Pine	0	0	0	60	0	0	0	0	0	0	14	0	17	0	0	0	0	0	91	
Total	1532	24	193	193	0	147	108	148	8	139	119	226	493	15	0	0	0	0	3343	



Report 2 - Treatment Summary

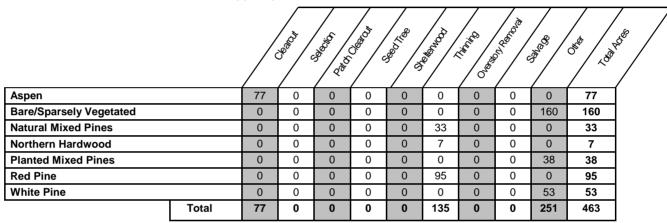
Crystal Falls Mgt. Unit Year of Entry: 2025

Acres of Harvest

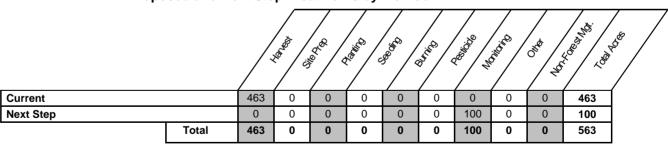
Compartment 113
Total Compartment Acres: 3,343

Commercial Harvest - 462 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

Acres

Stand

CoverType

Size

Density

Stand

Age

Report 3 -- Treatments

Treatment

Type

Treatment

Method

BA

Range

Compartment: 113 Year of Entry: 2025

Age

Structure

Cover Type

Objective



Cut

Proposed Treatments:

Treatment

Name

S

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33 12113033-Cut 12.4 4133 - Aspen, Poletimber 59 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Mixed Pine Well Retention

Prescription Cut all trees 2 inches and greater at DBH. Green tree 1 maple per acre of treatment. Do not cut white pine, oak, cedar and hemlock. Buffer

Specs: ponds 100'.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, pine, maple, spruce, fir and oak

Regen:

Other Keep west part of stand excluded.

Comment: I would recommend this get cut in the winter.

Site Condition

Proposed Start Date: 10/1 /2024

83 12113083-Cut 13.3 4130 - Aspen Poletimber 56 111- Harvest Clearcut with 413 - Aspen Even-Aged No Well 140 Retention

Well 140 Retention

Prescription Cut all trees 2 inches and greater at DBH. Green tree one maple or basswood per acre. Leave all conifer. Buffer stand 84 pond 100' along

Specs: open water area and 50' along wetland area.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, balsam poplar, maple, birch, basswood and oak

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

90 12113090-Cut 11.8 4136 - Aspen, Poletimber 60 51-80 Harvest Clearcut with 413 - Aspen Even-Aged No Mixed Conifer Well Retention

Prescription Cut all trees 2 inches and greater. Red line out pine and low areas. Do not cut red pine, white pine, oak, cedar and hemlock. Leave all trees

Specs: north of road/clearing for buffer. Additionally, red line 50' buffer from clearing to NE corner of stand.

<u>-----</u>

Next Step Treatments:

Acceptable aspen, northern hardwood associates, and pine.

Monitoring, Natural Regen (Re-Inventory)

Regen:

Other Several factors may lead to greater treatment size variability, i.e., hill, wet areas, and excluded species.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 113 S Year of Entry: 2025 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut Ч 97 12113097-Cut 23.7 42260 - Natural Sawtimber 141-Harvest Crown Thinning 42141 - Planted Two-Aged No Pine, Mixed Well 170 Mixed Pine, Deciduous Mixed Deciduous Prescription Exclude stream on North side of stand. Exclude south half of stand. Mark to a residual BA of 90. Leave all species represented. Open up Specs: several canopy gaps for white pine regeneration. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable red pine, white pine, maple, birch, aspen, oak Regen: Other Summer harvest optimal Comment: Site Condition Proposed Start Date: 10/1 /2024 105 12113105-Cut 26.3 Poletimber 65 51-80 Clearcut with No 4130 - Aspen Harvest 413 - Aspen Even-Aged Well Retention Prescription Cut all trees that are 2 inches and greater at DBH. Do not cut oak, cedar, hemlock, white pine and red pine. Do not cut sub-merchantable spruce and fir. Buffer pond 100 feet. Specs: Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, pine and oak

Regen:

Other Spec to protect confer regen recommended.

5.1

Comment: Site Condition

Proposed Start Date: 10/1 /2024

Approved Treatments:

12113001-Cut

4130 - Aspen Well Prescription Cut all trees 2 inches and greater at DBH. Do not cut oak. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, balsam poplar, ash, oak, maple, birch and pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024

Poletimber

55

51-80

Harvest

Clearcut

4130 - Aspen

Even-Aged

No

S t	Cr	ystal Falls	Mgt. Unit		Repor	rt 3 1	Treatments		Compartmen Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
2	12113002-Cut	159.7	790 - Other Bare/Sparsely Vegetated	Nonstock	ed		Harvest	Other - Specify	110 - Low Intensity Urban		No
Pre Spe		trees 2 inch	nes and greater at	DBH.							
	<u>kt Step</u> atments:										
	eptable gen:										
Oth Cor	<u>er</u> nment:										
Site	<u>Condition</u>										
Pro	posed Start Date:	10/1 /202	24								
3	12113003-Cut	38.3	42140 - Planted Mixed Pine	Poletimbe Medium	_	Immatu re	Harvest	Other - Specify	110 - Low Intensity Urban		No
Pre Spe		trees 2 inch	nes and greater at	DBH.							
	<u>tt Step</u> atments:										
	eptable gen:										
Oth Cor	<u>er</u> nment:										
Site	Condition										
Pro	posed Start Date:	10/1 /202	24								
4	12113004-Cut	52.5	42200 - Natural White Pine	Poletimbe Medium		1-50	Harvest	Other - Specify	110 - Low Intensity Urban		No
	scription Cut all tecs:	trees 2 inch	nes and greater at	DBH.							
	<u>kt Step</u> atments:										
	eptable gen:										
Oth Cor	<u>er</u> nment:										
Site	<u>Condition</u>										
Pro	posed Start Date:	10/1 /202	24								
5	12113005-Cut	7.7	4130 - Aspen	Poletimbe Well	er 61	141- 170	Harvest	Clearcut	413 - Aspen	Even-Ageo	d No
Pre Spe		trees 2 inch	nes and greater at	DBH. Do r	not cut o	ak.					
	<u>xt Step</u> Monitor atments:	ing, Natura	al Regen (Re-Inve	ntory)							
	<u>eptable</u> aspen, gen:	balsam po	plar, ash, oak, ma	ıple, birch a	nd pine						
Oth Cor	<u>er</u> nment:										
	Condition posed Start Date:	10/1 /201	24								
<u>L10</u>	<u> </u>	. 10/1/202	- →								

Proposed Start Date: 10/1 /2024

Site Condition

5		Crystal Fall	s Mgt. Unit	Report 3 Treatments				Compartmen Year of Entry	DNR MICHIGAN		
r	Treatment	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	6 12113103-C	tut 12.3	42210 - Natural Red Pine	Poletimbe Well	er 55	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
N T A R C C	ext Step eatments: cceptable egen: ther comment:		of 120 or remove 1/	/3 BA. Leave	e White	pine. Pro	otect snowmobile	trail.			
<u>P</u>	roposed Start Da	ate: 12/15/2	021								

Total Treatment Acreage Proposed: 462.5

Compartment: 113

Crystal Falls Mgt. Unit

Jacob Siler : Examiner Year of Entry: 2025

Availa	ability for	Managemer	nt											
Total	Acres	Acres Avail	Acres	I	Domina	nt Site	e Con	dition	S					
Acres	Available	With Condition	Not Available		5B	5C	2A	2F	2G	2H	ЗН	3J	3L	5E
565	259	150	156	Aspen		150	58					94	4	
439	439	0	0	Bare/Sparsely Vegetated								0		
95	87	0	8	Cedar					8					
3	3	0	0	Herbaceous Openland										
6	0	0	6	Lowland Aspen/Balsam Poplar						6				
115	115	0	0	Lowland Conifers										
62	0	0	62	Lowland Deciduous					62					
15	15	0	0	Lowland Mixed Forest										
475	475	0	0	Lowland Shrub		0	0							0
21	21	0	0	Marsh										
19	0	19	0	Mixed Upland Deciduous		19								
192	36	87	69	Natural Mixed Pines		87		17		17	14	4		17
12	12	0	0	Northern Hardwood										
8	8	0	0	Oak										
34	34	0	0	Planted Mixed Pines										
215	94	60	61	Red Pine		60	0	32					21	8
10	10	0	0	Sand, Soil										
343	12	0	331	Upland Conifers				331						
38	27	0	11	Upland Mixed Forest						11				
584	584	0	0	Water						0		0		
90	60	17	14	White Pine	17					14				
3,343	2,290	334	719	Total Forested Acres	17	317	58	380	70	49	14	97	25	25
	69%	10%	22%	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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	59	2F: Too steep	Unspecified	Unspecified	Unspecified
C	Comments:						

Crystal Falls Mgt. Unit

Jacob Siler : Examiner

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Island						
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2F: Too steep	17	3J: Water quality / BMPs (stream, river, or lake)	5E: Long-Term Retention	Unspecified	Unspecified
	Comments:						
5	Unavailable	2F: Too steep	315	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
	Comments: This is rugged terra	ain. This area is marbled with st	teep roo	cky slopes and thin wet bar	nds. Lots of small creeks.		
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Treat with Stand 10 and/or conflict.	01. Currently this portion of the	stand is	s sandwiched between two	units of a timber sale and w	ould ultimately create sor	ne level of confusion

Compartment: 113

Crystal Falls Mgt. Unit

Jacob Siler : Examiner Year of Entry: 2025

Unavailable	5E: Long-Term Retention	17	2F: Too steep	3J: Water quality / BMPs (stream, river, or lake)	3L: Other wildlife concerns	Unspecified
Comments: This area contains	steep terrain, stream and patch	of un-	thinned pine for cover.			
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Not all of this stand	I may be harvestable. At this po	int star	nd 42 can be treated with s	tand 101 and 49.		
Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Island						
Unavailable	2F: Too steep	16	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
			n, swamp, and giant rock o	utcropping. White pine is filli	ng in from below and repla	acing aspen. I think it's
Unavailable	2A: Adjacent landowner denied access	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
	Comments: This area contains Available Comments: Not all of this stand Unavailable Comments: Island Unavailable Comments: Aspen is old and fabest this stand con Unavailable Comments: Unavailable Comments:	Comments: This area contains steep terrain, stream and patch Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Not all of this stand may be harvestable. At this po Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Island Unavailable 2F: Too steep Comments: Aspen is old and falling out. Access is difficult with best this stand converts to full pine stand with time Unavailable 2A: Adjacent landowner denied access Comments: Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments:	Comments: This area contains steep terrain, stream and patch of un- Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Not all of this stand may be harvestable. At this point start Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Island Unavailable 2F: Too steep 16 Comments: Aspen is old and falling out. Access is difficult with stream best this stand converts to full pine stand with time. Unavailable 2A: Adjacent landowner denied access Comments: Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments:	Comments: This area contains steep terrain, stream and patch of un-thinned pine for cover. Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Not all of this stand may be harvestable. At this point stand 42 can be treated with such a lowland area) Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Island Unavailable 2F: Too steep 16 3J: Water quality / BMPs (stream, river, or lake) Comments: Aspen is old and falling out. Access is difficult with stream, swamp, and giant rock obest this stand converts to full pine stand with time. Unavailable 2A: Adjacent landowner denied access Comments: Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments:	Comments: This area contains steep terrain, stream and patch of un-thinned pine for cover. Available	Comments: This area contains steep terrain, stream and patch of un-thinned pine for cover. Available age/size class diversity or exceptional site quality Comments: Not all of this stand may be harvestable. At this point stand 42 can be treated with stand 101 and 49. Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) 17 Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unavailable 2F: Too steep 16 3J: Water quality / BMPs (stream, river, or lake) Comments: Aspen is old and falling out. Access is difficult with stream, swamp, and giant rock outcropping. White pine is filling in from below and replates this stand converts to full pine stand with time. Unavailable 2A: Adjacent landowner denied access Comments: Unavailable 2A: Blocked by physical obstacle (e.g. upland stand in a lowland area) 6 Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Comments:

Crystal Falls Mgt. Unit

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14	Unavailable	5E: Long-Term Retention	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
(Comments:						
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
(Comments:						
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: sland						
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified
(Comments:						
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: sland						

Crystal Falls Mgt. Unit

Jacob Siler : Examiner

19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	87	Unspecified	Unspecified	Unspecified	Unspecified
	comments: believe it would b	e best to wait for the aspen to m	ature be	fore treating this stand a	gain.		
20	Unavailable	2F: Too steep	32	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Rocky						
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	102	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Crystal Falls Mgt. Unit Compartment: 113 Year of Entry: 2025 Jacob Siler: Examiner Unspecified 25 3J: Water quality / BMPs 10 2G: Too wet (sensitive 5E: Long-Term Retention Unspecified Unavailable (stream, river, or lake) soils, does not include access issues) Comments: Buffer, species exclusion and wet area 17 Unspecified Unspecified Unspecified Unspecified 26 **Available** 5B: Maintain for regeneration purposes Comments: At this point we are managing the understory and leaving overstory for a cover component. 27 5C: Delay treatment for Unspecified Unspecified Unspecified Unspecified **Available** 19 age/size class diversity or exceptional site quality Comments: Unspecified 5C: Delay treatment for Unspecified Unspecified Unspecified 28 **Available** 60 age/size class diversity or exceptional site quality Comments: This stand will likely be managed for its aspen component. 29 3L: Other wildlife 21 3J: Water quality / BMPs Unspecified Unspecified Unspecified Unavailable (stream, river, or lake) concerns Comments: Wildlife Corridor/ BMP Buffer Unavailable 3L: Other wildlife Unspecified Unspecified Unspecified Unspecified 31 4 concerns Comments:

Wildlife request leaving for nesting duck habitat.

Crystal Falls Mgt. Unit

Jacob Siler : Examiner

32	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
C	comments:						
33	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	14	Unspecified	Unspecified	Unspecified	Unspecified
_	Comments: Vildlife wants this	half of stand left as is. Wildlife is	s open to	o future treatment.			

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: 113
Year of Entry 2025



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 Type Area		Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area							
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.								
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial							
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well							

Compartment: 113
Year of Entry: 2025



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
1	4130	- Aspen		Poletimb	er Well	5.1	55	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	65	Pole	7	55	W	hite Pine	Trace	Variable	Sapling	
	Balsam Poplar	15	Pole	8		W	hite Ash	High	Variable	Sapling	
	White Ash	15	Pole	8		Ir	onwood	Low	Variable	Sapling	
	Red Oak	5	Pole	7		Pa	per Birch	Trace	Variable	Sapling	
						Whi	ite Spruce	Trace	Variable	Sapling	
						R	ted Oak	Low	Variable	Sapling	
2	790 - Other Bare	/Sparsely V	egetated	Nonsto	ocked	420.5			No		An area of the W portion of this stand was planted in 2005 but failed. The
						Sub-Ca	nopy Species	Density	Avg. Height	Size	rest of this stand is sparse vegetated with mostly sapling sized trees and some small clumps of larger trees.
						R	ed Pine	Low	Variable	Sapling	
						Blac	ck Spruce	Low	Variable	Sapling	
						Ja	ack Pine	Low	Variable	Sapling	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Sapling
Black Spruce	Low	Variable	Sapling
Jack Pine	Low	Variable	Sapling
Black Locust	Trace	Variable	Sapling
Quaking Aspen	Low	Variable	Sapling
Paper Birch	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Balsam Poplar	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Northern White Cedar	Low	Variable	Sapling
Tamarack	Low	Variable	Sapling
White Spruce	Low	Variable	Sapling

Planted in 2005. A mix of red pine, white pine, and a small amount of cedar.

3	42140 - Plan	ted Mixed	Pine F	Poletimber	Mediu	m 34.5	18	Immature	N/A	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Specie	s Density	Avg. Height	Size
	White Pine	8	Pole	8		Northern	White Ceda	r Low	Variable	Seeding
	Tamarack	8	Pole	6		Autui	mn Olive	Low	5 - 10 feet	Tall Shrub
	Balsam Poplar	2	XLog	18		Whi	ite Pine	Medium	Variable	Sapling
	Quaking Aspen	5	Pole	6		Re	d Pine	Medium	Variable	Sapling
	Paper Birch	2	Sapling/Po	le 3		Blac	k Locust	Trace	Variable	Sapling
	Black Locust	5	Pole	6		Pap	er Birch	Low	Variable	Sapling
	Red Pine	50	Pole	6	18	Jac	ck Pine	Low	Variable	Sapling
	Jack Pine	20	Pole	5						



Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age B	BA Range	Managed 9	Site	General Comments
4	42200 - Natu	ural White F	Pine Po	oletimbe	r Mediu	m 59.6	26	1-50	N/A		Small older patch of timber present in southeast. No record of any
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	planting.
	White Spruce	2	Pole	8		Wh	te Spruce	Low	Variable	Sapling	
	Jack Pine	2	Pole	8		W	hite Pine	Medium	Variable	Sapling	
	Paper Birch	2	Sapling/Pole	9 4		Ta	amarack	Medium	Variable	Sapling	
	Tamarack	5	Pole	8		Qual	king Aspen	Low	Variable	Sapling	
	Red Pine	15	Pole	8		Pa	per Birch	Low	Variable	Sapling	
	White Pine	69	Log/Pole	10	26	Aut	umn Olive	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	5	Pole/Sapling	5		Bals	am Poplar	Low	Variable	Sapling	
5	4130	- Aspen	F	Poletiml	er Well	5.1	61	141-170	N/A		Trace amount of oak.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	1	Pole	8		Wh	te Spruce	Low	Variable	Sapling	
	Quaking Aspen	20	Log/Pole	10		W	hite Pine	Medium	Variable	Pole	
	Bigtooth Aspen	79	Log/Pole	10	61	R	ed Pine	Medium	Variable	Pole	
				•		Pa	per Birch	Low	Variable	Sapling	
						W	hite Pine	Low	Variable	Sapling	
						Ва	lsam Fir	Medium	Variable	Sapling	
						Bals	am Poplar	Low	Variable	Sapling	
6	42210 - Nat	tural Red P	ine F	Poletiml	er Well	11.4	55	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	100	Pole	8	55	Qual	king Aspen	High	10 - 20 feet	Sapling	
		1		'		Bla	ck Cherry	Low	5 - 10 feet	Sapling	
8	4136 - Aspen	, Mixed Co	nifer S	Sawtiml	er Well	58.4	83	81-110	N/A		Trace amounts of cedar and big tooth aspen. Major SBW damage most
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	balsam and spruce are dead. (2018) Transferred from 12073 to 12113 (2018).
	Red Pine	10	Log	17		Wh	te Spruce	Low	Variable	Sapling	This stand has challenging terrain, access issues, BMP factors. (2023)
	Black Spruce	5	Pole/Log	9		Bla	ck Spruce	Low	Variable	Sapling	
	Quaking Aspen	50	Log/Pole	13	83	W	hite Pine	Medium	Variable	Sapling	
	Paper Birch	5	Pole	8		Re	ed Maple	Medium	Variable	Sapling	
	White Pine	5	Log	17		Ва	lsam Fir	Medium	Variable	Sapling	
	Red Maple	25	Pole	8		O	ak (spp.)	Trace	Variable	Sapling	
				'		Pa	per Birch	Low	Variable	Sapling	
16	6115 - Lo	owland Ash	F	Poletim	er Poor	43.6	118	1-50	N/A		Trace amount of pine on west side of stand.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	15	Pole/Log	9		Ca	ttail spp.	Medium	Unspecified	Non-Wood	
	Tamarack	10	Pole/Log	9		Ва	lsam Fir	Medium	Variable	Sapling	
No	rthern White Cedar	5	Pole/Log	8		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Ash	70	Pole	7	118	Northeri	n White Cedar	Low	10 - 20 feet	Sapling	



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres Star	nd Age BA	Range	Managed S	ite	General Comments
17	4319 - Mixed	Upland Fo	rest Sa	awtimb	er Poor	10.8	98	1-50	N/A		Cut in 2017. Sale Name: Bunny Slipper. Sale Number:12-064. Trace
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy	Species	Density	Avg. Height	Size	amounts of cedar.
	Red Maple	40	Log/Pole	10	98	Balsam	Fir	Medium	Variable	Sapling	
	Sugar Maple	5	Log/Pole	10		White P	ine	Low	Variable	Sapling	
	Red Oak	5	Log/Pole	12		Quaking A	Aspen	High	Variable	Sapling	
	Red Pine	20	XLog/Log	18		Red Pi	ne	Low	5 - 10 feet	Sapling	
	White Pine	30	XLog/Log	18	98	Red O	ak	Trace	10 - 20 feet	Sapling	
						Ironwo	od	Trace	Variable	Sapling	
						Red Ma	ıple	Low	Variable	Sapling	
18	4130 -	- Aspen	;	Sapling	Well	52.6	17 In	nmature	N/A		Scattered older trees a few older aspen present. Trace red pine.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy	Species	Density	Avg. Height	Size	
	Red Oak	5	Pole	8		Balsam	Fir	Low	< 5 feet	Sapling	
	Quaking Aspen	79	Sapling/Pole	4	17	Red Pi	ne	Trace	< 5 feet	Sapling	
	Red Oak	2	Sapling/Pole	3		White P	ine	Low	< 5 feet	Sapling	
	Balsam Fir	5	Sapling/Pole	4		White Sp	ruce	Low	< 5 feet	Sapling	
	Paper Birch	2	Sapling/Pole	4							
				_							
	Sugar Maple	2	Pole/Log	8							
	Sugar Maple White Pine	5	Pole/Log Log	14							
21	White Pine		Log		Well	15.7	6 In	nmature	N/A		Trace amount of oak log and saplings. Trace amount of pole sized
21	White Pine 4130 - Canopy Species	5 - Aspen % Cover	Log Size Class	14 Sapling	Well	15.7	6 In	nmature	N/A		Trace amount of oak log and saplings. Trace amount of pole sized hemlock. Cut in 2017. Sale name: Bunny Slipper. Sale Number: 12-064.
21	White Pine 4130 - Canopy Species White Pine	- Aspen % Cover	Log Size Class Log/XLog	14 Sapling DBH		15.7	6 In	nmature	N/A		hemlock.
21	White Pine 4130 - Canopy Species White Pine Red Pine	5 - Aspen	Log Size Class Log/XLog Log/XLog	Sapling DBH 14 14		15.7	6 In	nmature	N/A		hemlock.
21	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple	5 - Aspen	Size Class Log/XLog Log/XLog Sapling	14 Sapling DBH 14 14 14		15.7	6 In	nmature	N/A		hemlock.
21	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine	5 - Aspen	Size Class Log/XLog Log/XLog Sapling Sapling	14 Sapling DBH 14 14 1 1		15.7	6 In	nmature	N/A		hemlock.
21	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple	5 - Aspen	Size Class Log/XLog Log/XLog Sapling	14 Sapling DBH 14 14 1 1	Age	15.7	6 In	nmature	N/A		hemlock.
	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen	5 - Aspen	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling	14 Sapling DBH 14 14 1 1		15.7	6 In	nmature	N/A		hemlock.
	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir	5 - Aspen	Size Class Log/XLog Log/XLog Sapling Sapling Sapling	14 Sapling DBH 14 14 1 1 1 1 3	Age	15.7	6 In	nmature	N/A		hemlock.
	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar	5 - Aspen	Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling DBH 14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Age	15.7	6 In	nmature	N/A		hemlock.
	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir	5 - Aspen	Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling DBH 14 14 1 1 1 1 3	Age	15.7	6 In	nmature	N/A		hemlock.
	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar	5 - Aspen	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole	14 Sapling DBH 14 14 1 1 1 1 1 8	Age			nmature	N/A		hemlock.
Nor	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar	5 - Aspen % Cover	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole	14 Sapling DBH 14 14 11 1 1 1 1 8 Dletimb	Age 6		110 1			Size	hemlock.
Nor	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar	5 - Aspen % Cover	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole Sapling	14 Sapling DBH 14 14 11 1 1 1 1 8 Dletimb	Age 6	11.6 1	110 1 Species	11-140	N/A	Size Sapling	hemlock.
Nor	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar 4311 - Pine Canopy Species	5 - Aspen % Cover 2 15 2 60 5 10 2 e, Aspen M % Cover	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole Size Class	14 Sapling DBH 14 14 11 1 1 1 1 8 Dletimb	6 er Well	11.6 1 Sub-Canopy	110 1 Species Fir	11-140 Density	N/A Avg. Height		hemlock.
Nor 22	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar 4311 - Pine Canopy Species White Pine	5 - Aspen % Cover 2 15 2 60 5 10 2 e, Aspen M % Cover 40	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Pole Size Class XLog/Log	14	6 er Well	11.6 1 Sub-Canopy Balsam	110 1 Species Fir	11-140 Density Low	N/A Avg. Height Variable	Sapling	hemlock.
Nor 22	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar 4311 - Pine Canopy Species White Pine Red Pine	5 - Aspen % Cover	Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Pole Size Class XLog/Log XLog/Log	14 Sapling DBH 14 1 1 1 3 1 8 BH 18 18 18 18 18	6 er Well	11.6 1 Sub-Canopy Balsam	110 1 Species Fir	11-140 Density Low	N/A Avg. Height Variable	Sapling	hemlock.
Nor 22	White Pine 4130 - Canopy Species White Pine Red Pine Red Maple White Pine Red Pine Quaking Aspen Balsam Fir Balsam Poplar rthern White Cedar 4311 - Pine Canopy Species White Pine Red Pine Bigtooth Aspen	5 - Aspen % Cover 2 2 15 2 60 5 10 2 e, Aspen M % Cover 40 2 15	Log Size Class Log/XLog Log/XLog Sapling Sapling Sapling Sapling Sapling Sapling Pole ix Pole Size Class XLog/Log XLog/Log Pole/Log	14 Sapling DBH 14 14 1 1 1 1 1 8 Dletimb DBH 18 18 10	6 er Well	11.6 1 Sub-Canopy Balsam	110 1 Species Fir	11-140 Density Low	N/A Avg. Height Variable	Sapling	hemlock.



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments	MICHIGAN .
23	622 - Lov	vland Shrul)	Nonsto	ocked	19.5			No			
25	500	- Water		Nonsto	ocked	195.6			No			_
27	42260 - Natural Pi	ne, Mixed [Deciduous	Sawtimb	er We	II 17.2	110	111-140	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Maple	10	Pole/Log	8		Bal	lsam Fir	Medium	Variable	Sapling		
	Quaking Aspen	10	Log/Pole	12		Whit	e Spruce	Low	Variable	Sapling		
	Paper Birch	2	Pole	8								
	Red Pine	15	Log/XLog	18								
	White Pine	53	XLog/Log	18	110							
	Bigtooth Aspen	10	Log/Pole	12								
33	4133 - Aspe			Poletimb			59	81-110	N/A		Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species	% Cover	Size Class	DBH	er We	Sub-Car	nopy Species	Density	Avg. Height	Size	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar	% Cover	Size Class Pole	DB H		Sub-Car Bal	nopy Species Isam Fir	Density Medium	Avg. Height Variable	Sapling	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple	% Cover 5 15	Size Class Pole Pole/Log	8 8	l Age	Sub-Car Bal Whit	nopy Species Isam Fir e Spruce	Density Medium Low	Avg. Height Variable Variable	Sapling Sapling	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen	% Cover 5 15 38	Size Class Pole Pole/Log Log	8 8 8		Sub-Car Bal Whit	nopy Species Isam Fir se Spruce onwood	Density Medium Low Low	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine	% Cover 5 15 38 15	Size Class Pole Pole/Log Log XLog/Log	8 8 8 8	l Age	Sub-Car Bal Whit Iro	nopy Species Isam Fir te Spruce onwood ar Maple	Density Medium Low Low Low	Avg. Height Variable Variable Variable Variable	Sapling Sapling Sapling Sapling	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine	% Cover 5 15 38 15 10	Size Class Pole Pole/Log Log XLog/Log XLog/Log	B 8 8 8 18 18	l Age	Sub-Car Bal Whit Iro Sug	nopy Species Isam Fir te Spruce onwood ar Maple ed Pine	Density Medium Low Low Low Low Low	Avg. Height Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen	% Cover 5 15 38 15 10 10	Pole/Log Log XLog/Log XLog/Log Log	BH 8 8 8 18 18 13	l Age	Sub-Car Bal Whit Irc Sug Re	nopy Species Isam Fir te Spruce Inwood ar Maple ar Maple ar Pine Inter Pine	Density Medium Low Low Low Low Low Low Low	Avg. Height Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash	% Cover 5 15 38 15 10 10 2	Pole/Log Log XLog/Log XLog/Log Log Dog XLog/Log Alog Log Pole	BH 8 8 8 18 18 13 6	l Age	Sub-Car Bal Whit Irc Sug Re	nopy Species Isam Fir te Spruce onwood ar Maple ed Pine	Density Medium Low Low Low Low Low	Avg. Height Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole	Trace white spruce in canopy. Some older aspen present.	
33	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen	% Cover 5 15 38 15 10 10 2 5	Pole/Log Log XLog/Log XLog/Log Log Pole Log Pole	BH 8 8 8 18 18 13	59	Sub-Car Bal Whit Irc Sug Re	nopy Species Isam Fir te Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low	Avg. Height Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch	% Cover 5 15 38 15 10 10 2 5	Pole/Log Log XLog/Log XLog/Log Log Pole Log Pole Pole/Log	8 8 8 18 13 6 8 Sapling	59	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch 4136 - Asper	% Cover 5 15 38 15 10 10 2 5 n, Mixed Co	Pole/Log Log XLog/Log XLog/Log Log Pole Log Pole Pole/Log	8 8 8 18 13 6 8 Sapling	59 Well	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch 4136 - Asper Canopy Species	% Cover 5 15 38 15 10 10 2 5 n, Mixed Cover	Pole/Log	BB	59 Well	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch 4136 - Asper Canopy Species Balsam Fir	% Cover 5 15 38 15 10 10 2 5 n, Mixed Co % Cover	Pole/Log Log XLog/Log Log Log Log Pole Pole/Log Size Class Sapling/Pole	BB	59 Well	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch 4136 - Asper Canopy Species Balsam Fir White Spruce	% Cover 5 15 38 15 10 10 2 5 5 Mixed Co. % Cover 10 5	Pole/Log Log XLog/Log Log XLog/Log Log Pole Pole/Log Size Class Sapling/Pole Sapling/Pole	BBH B B B B B B B B	59 Well	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	
	Canopy Species Balsam Poplar Red Maple Quaking Aspen White Pine Red Pine Bigtooth Aspen Black Ash Paper Birch 4136 - Asper Canopy Species Balsam Fir White Spruce White Pine	% Cover 5 15 38 15 10 10 2 5 n, Mixed Co % Cover 10 5 5	Pole/Log Log XLog/Log Log XLog/Log Log Pole Pole/Log Size Class Sapling/Pole Log Log	BBH 8 8 8 18 13 6 6 8	59 Well	Sub-Car Bal White Iro Sug Re Wh Rec	Isam Fir the Spruce onwood ar Maple ed Pine hite Pine d Maple	Density Medium Low Low Low Low Low Low Low Lo	Avg. Height Variable Variable Variable Variable Variable Variable Variable Variable	Sapling Sapling Sapling Sapling Pole Pole	Trace white spruce in canopy. Some older aspen present.	



tand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	SA Kange	Managed S	ite	General Comments
37	6127 - Lo	owland Pine	:	Sapling	g Poor	115.3	21	Immature	N/A		Poor quality mine tailings sight. Some areas of this stand could have
С	anopy Species	% Cover	Size Class	DBH	H Age						been planted with adjacent stands. However, records don't indicate it was planted and it looks to be vastly natural.
	White Pine	70	Sapling	2	21						
	Tamarack	20	Sapling	2							
l	Paper Birch	7	Sapling	2							
Qı	uaking Aspen	3	Sapling	2							
39	42290 - Natu	ural Mixed F	Pine :	Sawtimb		16.7	110	111-140	N/A		Stand 39 was once part of stand 21 but was not cut as per site condition 2018
С	anopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2016
	Red Pine	25	Log	14	110	R	ed Pine	Low	Variable	Sapling	
	White Pine	45	Log	14	110	WI	nite Pine	Medium	Variable	Sapling	
North	ern White Cedar	15	Pole	8		Ва	lsam Fir	Medium	Variable	Sapling	
В	Black Spruce	5	Pole	6							
	Red Maple	5	Log/Pole	10							
Qı	uaking Aspen	3	Log	12							
1	Paper Birch	2	Pole	8							
	6229 - Mixed	gent Wetlar		Nonst	ocked ocked	114.9			No No		This was once a gravel pit but was converted into a wetland. Should avoid using as a source for fill/gravel.
41	6229 - Mixed	d lowland sh	nrub	Nonst	ocked	114.9	81	111-140	No		avoid using as a source for fill/gravel.
41 42	6229 - Mixed 4130	d lowland sh	nrub	Nonste Sawtimb	ocked oer Well	114.9 15.5	81	111-140	No N/A	Size	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift in the state of the state of the surface rights.
41 42	6229 - Mixed 4130 anopy Species	d lowland sh - Aspen % Cover	nrub Size Class	Nonsto	ocked	114.9 15.5 Sub-Ca	nopy Species	Density	No N/A Avg. Height	Size Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks
41 42 C	6229 - Mixed 4130 Fanopy Species Red Pine	- Aspen **Cover** 2	Size Class Log	Nonsto	ocked oer Well	114.9 15.5 Sub-Ca	nopy Species	Density Low	No N/A Avg. Height Variable	Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift in the state of the state of the surface rights.
41 42 C	6229 - Mixed 4130 anopy Species	d lowland sh - Aspen % Cover	Size Class Log Log/Pole	Nonsto	ocked oer Well	114.9 15.5 Sub-Ca WI	nopy Species	Density	No N/A Avg. Height	Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift in the state of the state of the surface rights.
41 42 C	6229 - Mixed 4130 anopy Species Red Pine Red Maple	- Aspen **Cover** 2	Size Class Log Log/Pole XLog/Log	Nonsto	ocked oer Well	114.9 15.5 Sub-Ca WI	nopy Species nite Pine ed Maple	Low Low	No N/A Avg. Height Variable Variable	Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift in
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak	- Aspen **Cover** 2	Size Class Log Log/Pole	Nonsternation No	ocked Der Well	114.9 15.5 Sub-Ca WI	nopy Species nite Pine ed Maple	Low Low	No N/A Avg. Height Variable Variable	Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift in
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine	- Aspen Cover 2 15 10	Size Class Log Log/Pole XLog/Log Log/Pole	Nonste Sawtimb DBI 14 10 18 10	ocked Der Well H Age	114.9 15.5 Sub-Ca WI	nopy Species nite Pine ed Maple	Low Low	No N/A Avg. Height Variable Variable	Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen	- Aspen - Cover 2 15 10 1 70 2	Size Class Log Log/Pole XLog/Log Log/Pole Log Log/Pole	Nonste Sawtimb DBI 14 10 18 10 14 10 18	ocked Der Well H Age	114.9 15.5 Sub-Ca WI Re Ba	nopy Species nite Pine ed Maple	Low Low	No N/A Avg. Height Variable Variable	Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift it the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row
41 42 C	6229 - Mixed 4130 Fanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple	- Aspen - Aspen - Cover 2 15 10 1 70 2 nted Red Pe	Size Class Log Log/Pole XLog/Log Log/Pole Log Log/Pole	Nonstrict	ocked Der Well H Age	114.9 15.5 Sub-Ca WI Re Ba	nopy Species nite Pine ad Maple alsam Fir	Low Low Low 171-200	No N/A Avg. Height Variable Variable Variable	Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift the 80s. Verify ownership again before cutting.
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple 42110 - Plan	- Aspen - Aspen - Cover 2 15 10 1 70 2 nted Red Pe	Size Class Log Log/Pole XLog/Log Log/Pole Log Log/Pole	Nonstrict	ocked Der Well Region Regi	114.9 15.5 Sub-Ca WI Re Ba	nopy Species nite Pine ed Maple alsam Fir	Low Low Low 171-200	No N/A Avg. Height Variable Variable Variable N/A	Sapling Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple 42110 - Plate Eanopy Species	- Aspen **Cover* 2	Size Class Log Log/Pole XLog/Pole Log Log/Pole Log Size Class	Nonsteen	ocked Der Well 81 Der Well 1 Age	114.9 15.5 Sub-Ca Will Re Ba	nopy Species nite Pine ad Maple alsam Fir 63 nopy Species	Low Low Low Low Density	No N/A Avg. Height Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple 42110 - Plate Eanopy Species	- Aspen **Cover* 2	Size Class Log Log/Pole XLog/Pole Log Log/Pole Log Size Class	Nonsteen	ocked Der Well 81 Der Well 1 Age	114.9 15.5 Sub-Ca Bigto Wi	nopy Species nite Pine ad Maple alsam Fir 63 nopy Species ooth Aspen	Low Low Low Low Density Low Low Medium	No N/A Avg. Height Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Sapling	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift it the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple 42110 - Plate Eanopy Species	- Aspen **Cover* 2	Size Class Log Log/Pole XLog/Pole Log Log/Pole Log Size Class	Nonsteen	ocked Der Well 81 Der Well 1 Age	114.9 15.5 Sub-Ca WI Re Ba 66.1 Sub-Ca WI Ba Ba	nopy Species nite Pine ad Maple alsam Fir 63 nopy Species ooth Aspen nite Pine	Low Low Low Low 171-200 Density Medium Medium	No N/A Avg. Height Variable Variable Variable N/A Avg. Height Variable < 5 feet	Sapling Sapling Sapling Sapling Size Sapling Seeding	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift i the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row
41 42 C	6229 - Mixed 4130 Eanopy Species Red Pine Red Maple White Pine Red Oak uaking Aspen Sugar Maple 42110 - Plat Eanopy Species Red Pine	- Aspen **Cover* 2	Size Class Log Log/Pole XLog/Pole Log Log/Pole ine Size Class Pole	Nonsteen	ocked Der Well 81 Der Well 1 Age 63	114.9 15.5 Sub-Ca WI Re Ba 66.1 Sub-Ca WI Ba Ba	nopy Species nite Pine ad Maple alsam Fir 63 nopy Species noth Aspen nite Pine alsam Fir	Low Low Low Low 171-200 Density Medium Medium Medium	No N/A Avg. Height Variable Variable Variable Variable Variable S feet 5 feet	Sapling Sapling Sapling Sapling Size Sapling Seeding Seeding	avoid using as a source for fill/gravel. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks as though the state now has 100% surface rights, after a large land gift the 80s. Verify ownership again before cutting. Aspen cut out of stand 14 years ago and two areas had a third row



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed 9	Site	General Comments
46	6120 - Lov			Poletimbe	er Well	56.3	93	81-110	N/A		Basal area variable across stand; east half has higher BA and west side is lower. Very wet.
Canop	y Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	is lower. Very wet.
Northern W	/hite Cedar	50	Pole/Log	9	93	Та	g Alder	Medium	5 - 10 feet	Tall Shrub	
Black	k Ash	20	Pole	5		Northern	White Cedar	Low	Variable	Seeding	
Black S	Spruce	15	Log/Pole	10		Bal	sam Fir	Low	Variable	Seeding	
Red N	Maple	2	Pole	6		Bla	ack Ash	Medium	Variable	Sapling	
Balsam	Poplar	2	Pole/Log	8			ing Aspen	Low	Variable	Sapling	
Red	Pine	2	Log	14		Blac	k Spruce	Low	Variable	Seeding	
Balsa	am Fir	2	Log/Pole	10							
Paper	Birch	2	Log/Pole	10							
Quaking	g Aspen	5	Log	14							
49 41	39 - Aspen, N	Mixed Deci	duous	Poletimbe	er Well	26.2	48	81-110	N/A		More diverse stand than 101. This stand also has a few wet areas. SW NE, Section 7, T41N R29W. This 40 was undivided interest. It looks
Canop	y Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	as though the state now has 100% surface rights, after a large land gift in
Quaking	g Aspen	25	Pole	8	48	Bla	ack Ash	Low	Variable	Sapling	the 80s. Verify ownership again before cutting.
Red	Oak	10	Log/Pole	10		Whit	e Spruce	Low	Variable	Sapling	
Bigtooth	n Aspen	24	Pole	6	48	Bal	sam Fir	Medium	Variable	Sapling	
Black	k Ash	10	Log/Pole	10		Wh	ite Pine	Low	Variable	Sapling	
Balsam	Poplar	10	Log/Pole	10		Re	ed Oak	Low	Variable	Sapling	
Red	Pine	3	Log/Pole	10		Re	ed Oak	Low	< 5 feet	Seeding	
Red N	Maple	15	Pole/Log	8							-
White	Pine	3	Log/Pole	14							
50 4	129 - Mixed U	Jpland Con	ifers S	awtimber	Mediun	n 16.3	80	51-80	N/A		Aspen is old and falling out. Access is difficult with stream, swamp, and
Canop	y Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	giant rock outcropping. White pine is filling in from below and replacing aspen.
Red	Pine	15	Log	16		Wh	ite Pine	High	Variable	Sapling	аороги
Red N	Maple	10	Log/Pole	10		Whit	e Spruce	Low	Variable	Sapling	
White	Pine	25	Log	16		Re	ed Pine	Medium	Variable	Sapling	
Quaking	g Aspen	30	Log	14	80	Bal	sam Fir	Medium	Variable	Sapling	
Balsa	ım Fir	10	Log/Pole	10							1
White S	Spruce	10	Log/Pole	10							
51	4123 - 1	Red Oak		Poletimbe	er Well	8.4	77	81-110	N/A		
Canop	y Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
Red N	Maple	5	Log/Pole	10		Re	ed Oak	Medium	Variable	Sapling	
Bigtooth	n Aspen	20	Log/Pole	12		Wh	ite Pine	Medium	Variable	Sapling	
White	Pine	10	Log/Pole	14				'		'	•
Red	Oak	65	Log/Pole	14	77						



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
52	623 - Emer	gent Wetla	nd	Nonsto	cked	18.2			No		This was an old gravel pit that was converted into a wetland. Sapling and
						Sub-Can	opy Species	Density	Avg. Height	Size	pole sized trees. Should avoid having this used as a gravel source as it's supposed to function as a wetland.
						White	e Spruce	Low	Variable	Sapling	supposed to full clion as a welland.
						Re	d Pine	Low	Variable	Sapling	
						Whi	ite Pine	Low	Variable	Sapling	
						Tar	marack	Low	Variable	Sapling	
						Balsa	m Poplar	Low	Variable	Sapling	
						Quaki	ng Aspen	Low	Variable	Sapling	
54	6112 - Lov	vland Aspe	n Po	oletimbei	Mediun	n 6.3	45	51-80	N/A		This is an island in the South Pond. This island fluctuates between being
	Canopy Species	% Cover	Size Class	DBH	Age						one island and several small islands. For the most part this island is swamp with a few tree covered high spots. Trace white pine.
	Red Pine	40	Log/Pole	10							Swamp with a few tree severed high space. Trade white pine.
(Quaking Aspen	60	Pole/Log	9	45						
56	6118 - Lowland De	eciduous w	ith Cedar I	Poletimb	er Well	18.4	100	51-80	N/A		trace hemlock, red pine, white pine, sugar maple and birch
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole/Log	8		Bals	sam Fir	Low	Variable	Seeding	
Nor	thern White Cedar	30	Log/Pole	13	100	Black	k Spruce	Low	Variable	Seeding	
	Black Ash	55	Pole/Log	9	100				1		-
	Black Spruce	5	Pole/Log	8							
(Quaking Aspen	5	Log	13							
57	4133 - Aspe	n, Mixed P	ine	Sapling	Well	69.1	13 I	mmature	N/A		White pine and red pine are super canopy. Trace amount of hemlock.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Balsam Poplar	10	Sapling	3		Whi	ite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	2	Sapling	3		Re	d Pine	Low	5 - 10 feet	Sapling	
	White Pine	15	Log/XLog	17	105	Cher	ry (spp.)	Low	5 - 10 feet	Sapling	
(Quaking Aspen	38	Sapling	3	13			,			-
Nor	thern White Cedar	5	Pole	8							
	Red Pine	10	Log/XLog	17							
[Bigtooth Aspen	20	Sapling	3							
58	6120 - Lov	vland Ceda	ar :	Sawtimb	er Well	3.5	120	111-140	N/A		OPIC - FMD: WATER MANAGEMENT CONCERNS.DEERYARD.(2008) 7 Transferred from 12073 to 12113 (2018)
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	Hallstelled Hottl 12073 to 12113 (2010)
Nor	thern White Cedar	100	Log/Pole	11	120	Bals	sam Fir	Medium	Variable	Sapling	
						Tag	g Alder	High	5 - 10 feet	Tall Shrub	



Stand	d Level 4 C	over Type		Size I)en:	sity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
59	4319 - Mixed	d Upland Fo	orest	Sapli			15.9	15	Immature	N/A		
	Canopy Species	% Cover	Size Class	DE	BH /	Age						
	Bigtooth Aspen	10	Sapling	1		15						
	Balsam Fir	10	Sapling	1		15						
	Quaking Aspen	30	Sapling	1		15						
	White Pine	15	Log/Pole	12	2	98						
	Red Pine	5	Sapling	1		15						
	White Pine	5	Sapling	1		15						
	White Spruce	10	Sapling	1		15						
	Red Maple	5	Pole/Log	8		98						
	Red Pine	10	Log/Pole	1:	2	98						
60	500	- Water		Nons	tocl	ked	346.3			No		
61	42290 - Nati	ural Mixed I	Pine	Sawtin	ber	Well	87.4	105	111-140	N/A		The aspen was cut out of this stand. Basal area is very variable, and
	Canopy Species	% Cover	Size Class	DE	вн и	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	topography is rocky. A few spots of red pine are very thick and look to be accessible but are only a few acres in size. Trace amount of tamarack,
	White Pine	31	Log	14	1	105	Whi	te Spruce	Low	Variable	Sapling	cherry, black spruce and cedar in canopy. This stand also has a stream
	Quaking Aspen	8	Log	1;	3		Quak	ing Aspen	High	Variable	Sapling	running through the middle and borders Pine Creek on the west side.
	Red Maple	8	Pole	8			R	ed Oak	Trace	Variable	Sapling	
	Balsam Poplar	1	Pole/Log	9			Wł	nite Pine	Medium	Variable	Sapling	
	Red Pine	50	Log	14	1	105	Ва	Isam Fir	High	Variable	Sapling	
	Paper Birch	2	Pole	6			R	ed Pine	Low	Variable	Sapling	
	·						Re	d Maple	Low	Variable	Sapling	
62	42210 - Na	tural Red P	ine Sa	awtimb	er N	/lediun	n 67.9	105	1-50	N/A		Cut in 2017. Sale Name: Bunny Slipper. Sale Number:12-064. Scattered
	Canopy Species	% Cover	Size Class	DE	вн и	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	pine of varying basal area. Pine is thick on rock tops and thinner in aspen subcanopy areas. Trace amounts of older aspen. Rock and difficult
No	orthern White Cedar	2	Pole/Log	8			Wh	nite Pine	Trace	Variable	Sapling	terrain. This is essentially a two aged stand with aspen regenerating in
	Red Pine	76	Log/XLog	10	3	105	R	ed Pine	Trace	Variable	Sapling	the subcanopy.
	White Pine	20	Log/XLog	10	6		Ва	Isam Fir	Low	Variable	Sapling	
	Red Oak	2	Log	12	2		Re	d Maple	Medium	Variable	Sapling	
								per Birch	Low	Variable	Sapling	
							Asp	en (spp.)	High	Variable	Sapling	
							•	am Poplar	Medium	Variable	Sapling	
63	6120 - Lo	wland Ceda	ar	Sawtin	ber	Well	18.7	90	171-200	N/A		Trace paper birch, white pine and aspen
	Canopy Species		Size Class			Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	
	Black Spruce	2	Log/Pole	10			Ва	Isam Fir	Low	Variable	Sapling	
NIa	orthern White Cedar	98	Log/Pole	10		105						



Stand	d Level 4 Co						Stand Age B				
65	42200 - Natu	ıral White F	Pine :	Sawtimb	er Well	8.1	98	111-140	N/A		This is a rock island in the South Pond
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Log/Pole	10		Ва	Isam Fir	Low	Variable	Pole	
	Sugar Maple	5	Log/Pole	12							
	Red Maple	5	Log/Pole	12							
	Red Pine	10	Log	14							
	White Pine	70	Log	14	98						
66	42200 - Natu	ıral White F	Pine :	Sawtimb	er Well	5.6	98	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Log	8		Ва	Isam Fir	Low	Variable	Sapling	
	White Pine	70	Log/Pole	14	98			-	1	'	
	Red Pine	10	Log/Pole	14							
	Paper Birch	10	Pole/Log	10							
67	710 - S	and, Soil		Nonsto	ocked	10.0			No		Dam on South Pond.
69	6132 - Mixed Lowla			Poletimb				111-140	N/A		Creek with buffer
69	Canopy Species		Size Class	DBH	er Well	Sub-Ca	nopy Species	111-140 Density	N/A Avg. Height	Size	Creek with buffer
69	Canopy Species Black Spruce	% Cover	Size Class Log/Pole	DB I	l Age	Sub-Ca Ba	nopy Species Isam Fir		Avg. Height Variable	Sapling	Creek with buffer
	Canopy Species Black Spruce Black Ash	% Cover 2 58	Size Class Log/Pole Pole/Sapling	DBH 10 7	100	Sub-Ca Ba	nopy Species	Density	Avg. Height		Creek with buffer
	Canopy Species Black Spruce	% Cover	Size Class Log/Pole	DB I	100	Sub-Ca Ba	nopy Species Isam Fir	Density Low	Avg. Height Variable	Sapling	Creek with buffer
	Canopy Species Black Spruce Black Ash orthern White Cedar	% Cover 2 58	Size Class Log/Pole Pole/Sapling Log/Pole	DBH 10 7	100 100	Sub-Ca Ba	nopy Species Isam Fir	Density Low	Avg. Height Variable	Sapling	Creek with buffer
No	Canopy Species Black Spruce Black Ash orthern White Cedar	% Cover	Size Class Log/Pole Pole/Sapling Log/Pole	DBH 10 7 10	100 100 0cked	Sub-Ca Ba Blac 26.9	nopy Species Isam Fir ck Spruce	Density Low	Avg. Height Variable Variable	Sapling	There is one little inclusion that was just cut but not worth taking
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species	% Cover 2 58 40 Wand Shrub Ural Red P % Cover	Size Class Log/Pole Pole/Sapling Log/Pole	DBH 10 7 10 Nonsto	100 100 100 ocked	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca	nopy Species Isam Fir ck Spruce 0 84 nopy Species	Density Low Low	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling	
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine	% Cover	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log	10 7 10 Nonsta	100 100 ocked oer Well 1 Age 84	Sub-Ca Blace 26.9 36.7 Sub-Cal	nopy Species Isam Fir ck Spruce 0 84 nopy Species ting Aspen	Density Low Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet	Sapling Sapling Size Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species	% Cover 2 58 40 Wand Shrub Ural Red P % Cover	Size Class Log/Pole Pole/Sapling Log/Pole	DBH 10 7 10 Nonsto	100 100 ocked oer Well 1 Age 84	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen	Density Low Low 111-140 Density	Avg. Height Variable Variable No N/A Avg. Height	Sapling Sapling Size Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine	% Cover	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log	10 7 10 Nonsta	100 100 ocked oer Well 1 Age 84	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whit	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce	Low Low 111-140 Density Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet	Sapling Sapling Size Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine	% Cover	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log	10 7 10 Nonsta	100 100 ocked oer Well 1 Age 84	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whit	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen	Density Low Low 111-140 Density Low Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet	Sapling Sapling Size Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something
70	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine	% Cover 2 58 40 40 40 40 40 40 40 40 40 40 40 40 40	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log	10 7 10 Nonsta	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blace 26.9 36.7 Sub-Ca Quak Bigto Whit	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir	Density Low Low 111-140 Density Low Low Low Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet	Sapling Sapling Size Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something
70 71	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine White Pine 42210 - Nat Canopy Species	% Cover 2 58 40 wland Shrub ural Red P % Cover 70 30	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log	DBH 10 7 10 Nonsto Sawtimb DBH 10 10 Sawtimb DBH DBH DBH	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whit Ba 32.5	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir	Density Low Low 111-140 Density Low Low Low Low Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet	Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something else needed cutting there.(2010)
70 71	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine White Pine	% Cover 2 58 40 wland Shrub ural Red P % Cover 70 30	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log	10	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whit Ba 32.5 Sub-Ca	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir	Density Low Low 111-140 Density Low Low Low Low Low 111-140	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet N/A	Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something else needed cutting there.(2010)
70 71	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine White Pine 42210 - Nat Canopy Species	% Cover	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log Size Class	DBH 10 7 10 Nonsto Sawtimb DBH 10 10 Sawtimb DBH DBH DBH	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whith Ba 32.5 Sub-Ca Wh	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir 105 nopy Species	Density Low Low 111-140 Density Low Low Low Low Density Density	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet N/A Avg. Height	Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something else needed cutting there.(2010)
70 71	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine White Pine 42210 - Nat Canopy Species Red Pine Red Pine	Cover 2 58 40	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log Size Class Log	10	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whith Ba 32.5 Sub-Cal Wh	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir 105 nopy Species nite Pine	Density Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet >20 feet Variable	Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something else needed cutting there.(2010)
70 71	Canopy Species Black Spruce Black Ash orthern White Cedar 622 - Low 42210 - Nat Canopy Species Red Pine White Pine 42210 - Nat Canopy Species Red Pine Red Pine Red Pine Red Maple	% Cover 2 58 40 40 40 40 40 40 40 40 40 40 40 40 40	Size Class Log/Pole Pole/Sapling Log/Pole ine Size Class Pole/Log Pole/Log Size Class Log Pole/Log	10	100 100 100 100 100 100 100 100 100 100	Sub-Ca Ba Blac 26.9 36.7 Sub-Ca Quak Bigto Whith Ba 32.5 Sub-Cal Wh	nopy Species Isam Fir tk Spruce 0 84 nopy Species ting Aspen oth Aspen te Spruce Isam Fir 105 nopy Species nite Pine ed Pine	Density Low	Avg. Height Variable Variable No N/A Avg. Height >20 feet >20 feet >20 feet Variable N/A Avg. Height Variable Variable	Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	There is one little inclusion that was just cut but not worth taking separately. Also, not enough to make a sale out of unless something else needed cutting there.(2010)



tand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
76	622 - Lov	vland Shrub)	Nonsto	cked	9.7	104		No		OPIC - FMD: OI Stand Year Origin was 1919
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Northern	White Cedar	Low	>20 feet	Pole	
79	4199 - Other Mixe	d Upland D	eciduous	Poletimb	er Well	19.3	91	51-80	N/A		trace wp, cedar, yellow birch, black ash
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Oak	20	Log	12	91	Quak	ing Aspen	Medium	Variable	Sapling	
	Paper Birch	5	Pole/Log	9		W	hite Ash	Medium	Variable	Sapling	
В	alsam Poplar	10	Pole	8		Ва	Isam Fir	Low	10 - 20 feet	Sapling	
	White Ash	20	Pole	6		Whi	te Spruce	Low	10 - 20 feet	Sapling	
,	Sugar Maple	10	Log/Pole	11		Bla	ack Ash	Low	Variable	Sapling	
Q	uaking Aspen	20	Log/Pole	10		Iro	onwood	Low	10 - 20 feet	Pole	
	Basswood	15	Log/Pole	10							-
30	4116 - Mixed N.	Hardwood -	- Aspen	Poletimb	er Well	7.4	88	81-110	N/A		Trace white pine.
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Q	uaking Aspen	20	Pole	9		Ва	Isam Fir	Medium	Variable	Sapling	
	White Pine	10	Log	18		Pa	oer Birch	Low	Variable	Sapling	
	Paper Birch	2	Pole	8		Whi	te Spruce	Medium	Variable	Sapling	
	Balsam Fir	2	Log/Pole	10		Iro	onwood	Medium	Variable	Sapling	
V	White Spruce	3	Pole	6		Sug	ar Maple	Low	Variable	Sapling	
	Basswood	30	Log	16							
	Red Oak	1	Pole	7							
,	Sugar Maple	30	Log/Pole	16	88						
В	alsam Poplar	2	Pole	8							
81	6120 - Lov	wland Ceda	ır	Sawtimb	er Well	4.7	103	171-200	N/A		OPIC - FMD: OI Stand Year Origin was 1920.
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace amounts of aspen and balsam poplar. Transferred from 12073 to 12113 (2018)
North	nern White Cedar	100	Log/Pole	10	103		Alder	Low	5 - 10 feet	Tall Shrub	
33	4130	- Aspen		Poletimb	er Well	16.4	56	111-140	N/A		Trace amounts of paper birch, white spruce and red maple.
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Q	uaking Aspen	25	Pole	8	56	Ва	Isam Fir	Low	Variable	Sapling	
	Basswood	2	Log/Pole	10		R	ed Pine	Trace	Variable	Sapling	
	Balsam Fir	1	Pole	8		Wh	nite Pine	Trace	Variable	Sapling	
	Sugar Maple	5	Log/Pole	10		Sug	ar Maple	Low	Variable	Sapling	
В	igtooth Aspen	67	Pole	8	56			1			-
			· · · · · · · · · · · · · · · · · · ·		-						



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments
85	4130	- Aspen		Sapling Well		7.9	7	Immature	N/A		Trace pole sized bam, red pine, and paper birch. For the most part an
	Canopy Species	% Cover	Size Class	DBH	Age						even aged stand. Second age comes from residual and buffer.
	Sugar Maple	2	Pole	8							
	Quaking Aspen	2	Log	10							
	Red Oak	1	Log	12							
	Balsam Fir	1	Sapling	1							
	White Pine	5	Log/XLog	14	110						
	Basswood	1	Log	12							
	Quaking Aspen	87	Sapling	1	7						
	White Spruce	1	Sapling/Pole	4							
86	4130	- Aspen		Sapling	y Well	8.2	20 I	mmature	N/A		Trace oak saplings against trail.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	71	Sapling	2	20	W	hite Pine	Medium	5 - 10 feet	Sapling	
	Bigtooth Aspen	20	Sapling	2				'	,		_
	White Pine	2	Log/Pole	12							
	Red Oak	2	Log	12							
	Red Pine	5	Log/Pole	12							
87	310 - Herbac	eous Open	land	Nonsto	ocked	2.7			No		
88	4119 - Mixed No	rthern Hard	dwoods F	Poletimb	er We	1 4.7	86	81-110	N/A		Stand slopes down to very wet ground. Leave stand as is. Portions of the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand could be treated when stand 20 is thinned again.
	Black Ash	5	Pole	7		Sug	gar Maple	Low	10 - 20 feet	Sapling	
	Quaking Aspen	15	Pole/Log	9		Ir	ronwood	Low	Variable	Sapling	
No	orthern White Cedar	10	Pole/Log	9		Ва	alsam Fir	High	Variable	Sapling	
	Sugar Maple	35	Pole/Log	9	86				1		_
	Red Maple	5	Pole/Log	9							
	Red Maple Hemlock	5	Pole/Log Log/Pole	9 12							
	<u>'</u>										



Stand	Level 4 Ce	vel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments					
90	4136 - Aspen	, Mixed Co	nifer	Poletimb	er Well	21.8 60	51-80	N/A		Multiple ages of aspen here and some patchy hardwood and pine. BA is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	variable.
	Balsam Fir	5	Pole	6		Northern White Cedar	Trace	Variable	Sapling	
	Paper Birch	10	Pole	6		Sugar Maple	Low	Variable	Sapling	
	Red Pine	8	Log/Pole			Ironwood	Low	Variable	Sapling	
	White Pine	7	Log	12		White Spruce	Low	Variable	Sapling	
(Quaking Aspen	40	Pole	9	60	Balsam Fir	Medium	Variable	Sapling	
	White Spruce	5	Pole	8		Paper Birch	Low	Variable	Sapling	
	Red Maple	5	Pole/Log	8		Red Pine	Medium	Variable	Sapling	
Nor	rthern White Cedar	5	Pole/Log	9		White Pine	Medium	Variable	Sapling	
	Sugar Maple	10	Pole/Log	8						
	Balsam Poplar	5	Pole	8						
91	42260 - Natural Pi	ne, Mixed [Deciduous	Poletimb	er Well	11.7 111	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	
	White Spruce	1	Log/Pole	10		Red Pine	Medium	Variable	Sapling	
	White Pine	25	XLog/Log	18		White Pine	Medium	Variable	Sapling	
	Red Pine	44	XLog/Log	18	111	Balsam Fir	Medium	Variable	Sapling	
	Paper Birch	2	Pole/Log	8				li .	1	
	Red Oak	1	Pole	6						
	Red Maple	2	Log/Pole	10						
(Quaking Aspen	25	Log/Pole	12						
92	500 -	Water		Nonsto	cked	15.9		No		
93	790 - Other Bare/	Sparsely V	egetated	Nonsto	cked	18.9		No		
94	4130	- Aspen		Sapling N	/ledium	19.8 19	Immature	N/A		This stand was part of the same cut as stand 24 of compartment 72. Cut
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	under Groveland Gravel timber sale. Trace red pine in canopy. Gravel pit in stand.
	White Pine	5	Log	18		Red Pine	Low	5 - 10 feet	Sapling	
	Balsam Poplar	5	Sapling	2		Northern White Cedar	Low	< 5 feet	Seeding	
Nor	rthern White Cedar	2	Pole	8		White Pine	Medium	5 - 10 feet	Sapling	
(Quaking Aspen	88	Sapling	3	19	Balsam Fir	High	< 5 feet	Seeding	



Stand	Level 4 C	Size Density		Acres Stand Age BA Range			Managed S	Site	General Comments		
95	429 - Mixed I	ifers	Sawtimber Well		314.9	113	141-170			This is rough terrain. Very rocky area with multiple streams. Trace	
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	hemlock.
	Red Pine	22	XLog/Log	18		Iro	onwood	Trace	Variable	Sapling	
	White Pine	35	XLog/Log	18	113	R	ed Pine	Low	Variable	Sapling	
	Balsam Fir	5	Pole	6		Ва	lsam Fir	High	Variable	Sapling	
	Paper Birch	5	Pole/Log	10		WI	nite Pine	Medium	Variable	Sapling	
	Quaking Aspen	5	Log/Pole	10		Ja	ick Pine	Trace	Variable	Sapling	
	White Spruce	5	Pole	8		Whi	te Spruce	Low	Variable	Sapling	
	Sugar Maple	5	Pole/Log	10		Pa	per Birch	Low	Variable	Sapling	
	Black Ash	5	Pole	6		Re	d Maple	Medium	Variable	Sapling	
	Red Maple 10 Log/Pole 10 Red Oak 3 Log 14			Quak	king Aspen	Low	Variable	Sapling			
			Sugar Maple		Low	Variable	Sapling]			
96	6120 - Lo	wland Ceda	ar	Poletim	ber Well	11.9	122	171-200	N/A		Stream in stand and wetter on the north half.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
No	rthern White Cedar	70	Pole/Log	9	122	Whi	te Spruce	Low	Variable	Sapling	
	Black Ash	16	Pole/Log	8		Ta	marack	Low	Variable	Sapling	
	Black Spruce	10	Pole	8		Northern White Cedar		r Low	< 5 feet	Seeding	
	Paper Birch	2	Pole/Log	9		Ва	lsam Fir	Low	Variable	Sapling	
	Balsam Fir	2	Pole	6		Bl	ack Ash	Low	Variable	Sapling	
						Bl	ack Ash	Medium	< 5 feet	Seeding	
						Sug	gar Maple	Trace	Variable	Sapling	
97	42260 - Natural Pi	ne, Mixed [Deciduous	Sawtim	ber Well	59.1	116	141-170	N/A		Trace amount of hemlock and red oak in canopy. NE NE, Section 7, T41N R29W. This 40 was undivided interest. It looks
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	as though the state now has 100% surface rights, after a large land gift in
	Sugar Maple	5	Log/Pole	10		Ва	lsam Fir	Medium	>20 feet	Pole	the 80s. Verify ownership again before cutting, if cut.
No	rthern White Cedar	2	Pole	8		Whi	te Spruce	Low	10 - 20 feet	Sapling	
	White Pine	36	Log/XLog	16	116	Ва	Isam Fir	Medium	10 - 20 feet	Sapling	
	Red Pine	30	Log/XLog	16		WI	nite Pine	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Log/Pole	10		Northern	White Cedar	r Low	>20 feet	Pole	
	Paper Birch	2	Log/Pole	10		R	ed Pine	Low	5 - 10 feet	Sapling	
	Quaking Aspen	15	Log/XLog	14	74			•			-

Compartment: 113 Year of Entry: 2025



Stand	Level 4 C	Level 4 Cover Type			Size Density		Stand Age BA Range		Managed Site		General Comments
99	429 - Mixed Upland Conifers			Poletimber Medium		12.1	45	1-50	N/A		Most of aspen is around outer edges of stand. Center is grass and mixed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	pine saps/poles with young spruce /fir saplings.
	White Pine	20	Log	12		Bal	Isam Fir	Low	5 - 10 feet	Sapling	
	Balsam Fir	10	Pole	5		Wh	ite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	20	Pole/Log	10		Re	ed Pine	Low	5 - 10 feet	Sapling	
(Quaking Aspen	30	Pole	6	45	Whit	e Spruce	Low	5 - 10 feet	Sapling	
	Red Maple	8	Pole	5						1	1
	Sugar Maple	2	Sapling	4							
	White Spruce	10	Pole	5							
100	42200 - Nat	ural White F	Pine S	Sawtimb	er Poor	16.6	116	1-50	N/A		Variable BA of pine left across stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	White Pine	65	Log/XLog	16	116	Wild Re	d Raspberry	Medium	< 5 feet	Tall Shrub	
	Red Pine 20 Log/XLog 16		Asp	en (spp.)	High	Variable	Sapling				
	Red Oak	15	Log/XLog	14		Wh	ite Pine	High	Variable	Sapling	
						Re	ed Oak	Low	Variable	Sapling	
						Irc	nwood	Trace	Variable	Sapling	
						Balsa	am Poplar	Trace	Variable	Sapling	
						Re	d Maple	Low	Variable	Sapling	
101	4130	- Aspen	F	oletimb	er Well	103.0	48 U	nspecified	N/A		Trace amounts of jack pine in canopy. A few small areas are of lower
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	quality that would be better suited to growing pine.
	Red Pine	2	Log/Pole	14		Hazelnut (Spp.)		High	< 5 feet	Tall Shrub	
	Red Maple	5	Pole	8		White Spruce		Low	Variable	Sapling	
(Quaking Aspen	40	Pole	8	48	Balsam Fir		Low	Variable	Sapling	
I	Bigtooth Aspen	37	Pole	8	48	Red Oak		Trace	< 5 feet	Seeding	
	Paper Birch	5	Pole	8		Red Pine		Low	Variable	Sapling	
	White Pine	10	Log/XLog	14		Wh	ite Pine	Medium	Variable	Sapling	
	Red Oak	1	Log/Pole	10		Re	ed Oak	Trace	Variable	Sapling	
						Che	rry (spp.)	Trace	Variable	Sapling	

Trace

Variable

Red Maple

Sapling

Report 7 - Stands Compartment: 113

Year of Entry: 2025



Stand	Level 4 C	evel 4 Cover Type		Level 4 Cover Type		Level 4 Cover Type		Level 4 Cover Type		Size De	nsity	Acres	Stand Age I	BA Range	Managed S	Site	General Comments
105	4130		Poletimbe		55.2	55.2 65	51-80	N/A		mixed aspen with mixed conifer sub-canopy. Trace white ash, red maple,							
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cherry in canopy.						
	White Spruce	2	Pole	6		R	Red Oak	Low	Variable	Sapling							
	Red Pine	5	Log	14		Balsam Fir		Low	Variable	Sapling							
	White Pine	5	XLog/Log	18		Re	ed Maple	Medium	Variable	Sapling							
	Balsam Poplar	10	Pole	8		Wh	White Spruce		Variable	Sapling							
	Quaking Aspen	59	Pole	8	65	Black Spruce		Low	Variable	Sapling							
	Jack Pine	2	Pole	7		White Pine		High	Variable	Sapling							
	Bigtooth Aspen	10	Pole/Log	8		Red Pine		Low	Variable	Sapling							
	Paper Birch	2	Pole	8							-						
	Red Oak	5	Log	12													