

# **Compartment Review Presentation**

**Pigeon River Country Forest Management Unit** 

Compartment 53035 Entry Year 2026 Acreage: 1,914 County: Cheboygan Management Area: Wolverine Moraines

#### Stand Examiner: Joyanne Mittig

### Legal Description:

T32N - R01W, Sections 10, 11, and 12

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

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

#### Soil and topography:

In general this compartment is gently rolling, however, some steeper hills are found in the hardwood areas of sections 11 and 12. The Pigeon River flows through a steep sided valley in the western-most portion of section 10.

The predominate soil type in the hardwood area of sections 11 and 12 is Leelanau loamy sand. Section 10 and the west portion of section 11 are dominated by Grayling and Rubicon sands. Peats and mucks are found along the Pigeon River and around Hardwood Lake.

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

Solid state ownership, both within and around the compartment.

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

There are documented occurrences of Hill's thistle, Wood Turtle, Little Brown Bat, and Red-shouldered Hawk within this compartment. The Pigeon River and two sinkhole lakes, North and South Twin Lakes, are located within section 10 of this compartment.

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

No Archeological, Historical, or Cultural Features known.

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

The Pigeon River is a state-designated Natural River. A proposed Special Conservation Area (SCA) would include the Pigeon River, its associated Natural River buffer, and the steeper parts of the surrounding valley walls. This proposed SCA will extend north and south of the compartment and will be similar to what is already in place for the Sturgeon River valley.

#### Watershed and Fisheries Considerations:

The Pigeon River flows through section 10 of this compartment. Hardwood Lake is located in section 11. North Twin Lake and South Twin Lake are located in section 10. Due to their (North and South Twin Lakes) popularity for recreation, including fishing, swimming, paddling, etc., these lakes are vulnerable to erosion from unauthorized access points. Access points at these locations should be monitored, and public access should be directed towards appropriate locations so erosion can be minimized.

#### Wildlife Habitat Considerations:

A Wildlife Division representative will be available to participate in the formal compartment review.

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

No known potential exists for commercial metallic mineral production in this part of the state. No known active sand & gravel pits exist in the area. There may be potential for sand & gravel within the compartment on the uplands, but commercial development involving use of the surface in the compartment is not allowed. The compartment is outside the main Antrim Shale gas play and the formation may have limited potential for gas production beneath the compartment. The compartment is on the northern edge of the Silurian reef trend, and some past production has occurred within the compartment. There may be potential for additional Silurian reef reservoirs beneath the compartment, but State land in the compartment and surrounding area cannot be utilized for future drilling operations and all State-owned mineral rights in the compartment are non-leasable. Any decisions on future mineral exploration and development within the compartment shall be consistent with the Concept of Management for the Pigeon River Country.

#### Vehicle Access:

There is good access throughout the majority of the compartment.

#### **Survey Needs:**

None required.

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

The Elk Hill Group Camp as well as a small portion of the Elk Hill Trail Camp are located in section 10 of this compartment. The Pigeon River Campground is also located in section 10. The Shingle Mill and High Country Pathways both pass through section 10 of this compartment, while the North Spur of the Shore to Shore trail passes through sections 10 and 11.

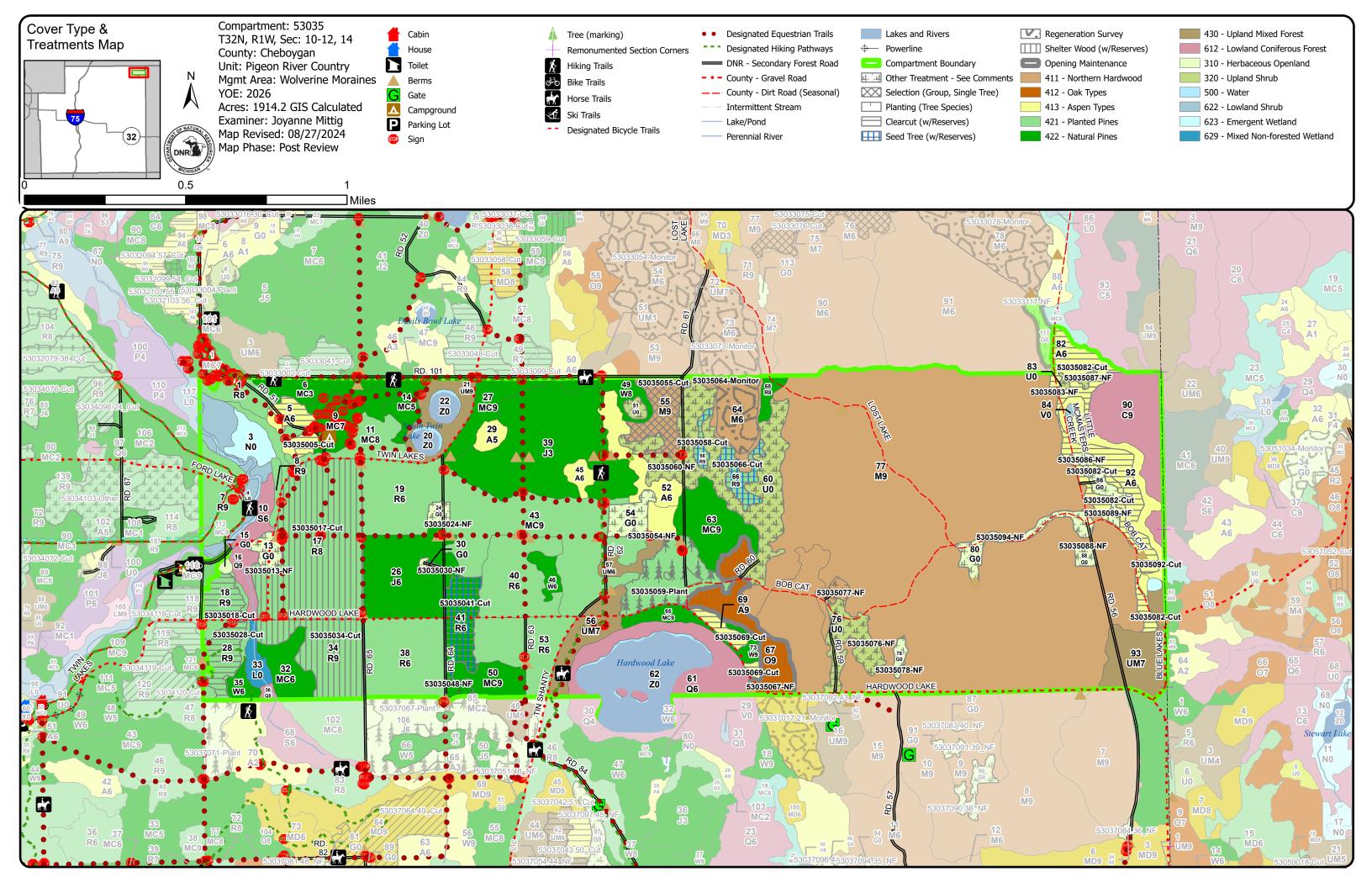
#### **Fire Protection:**

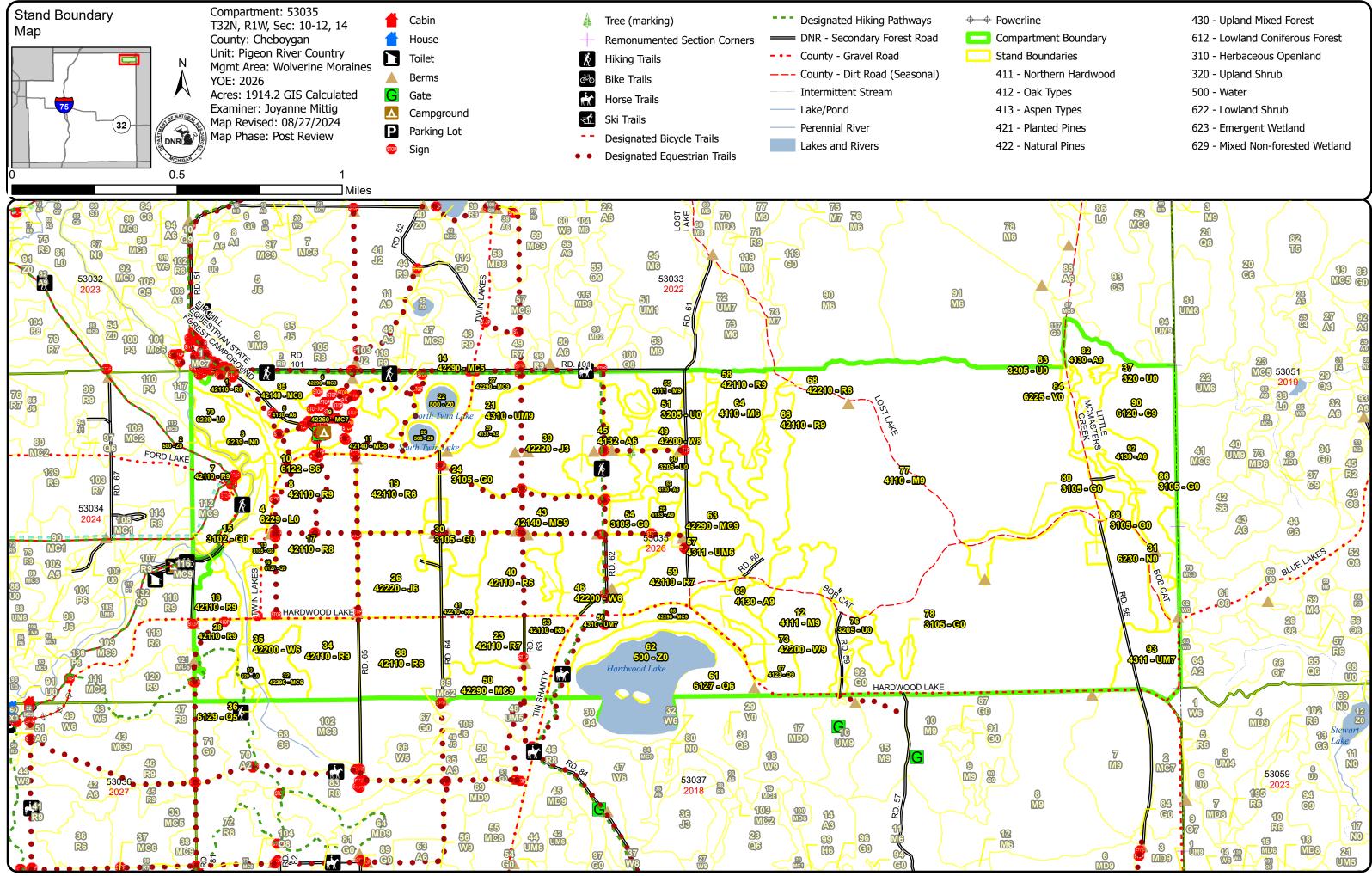
Wildfire potential is moderate-to-high as the western-half of this compartment is dominated by pine cover types. Access is generally good in case of any fire suppression efforts.

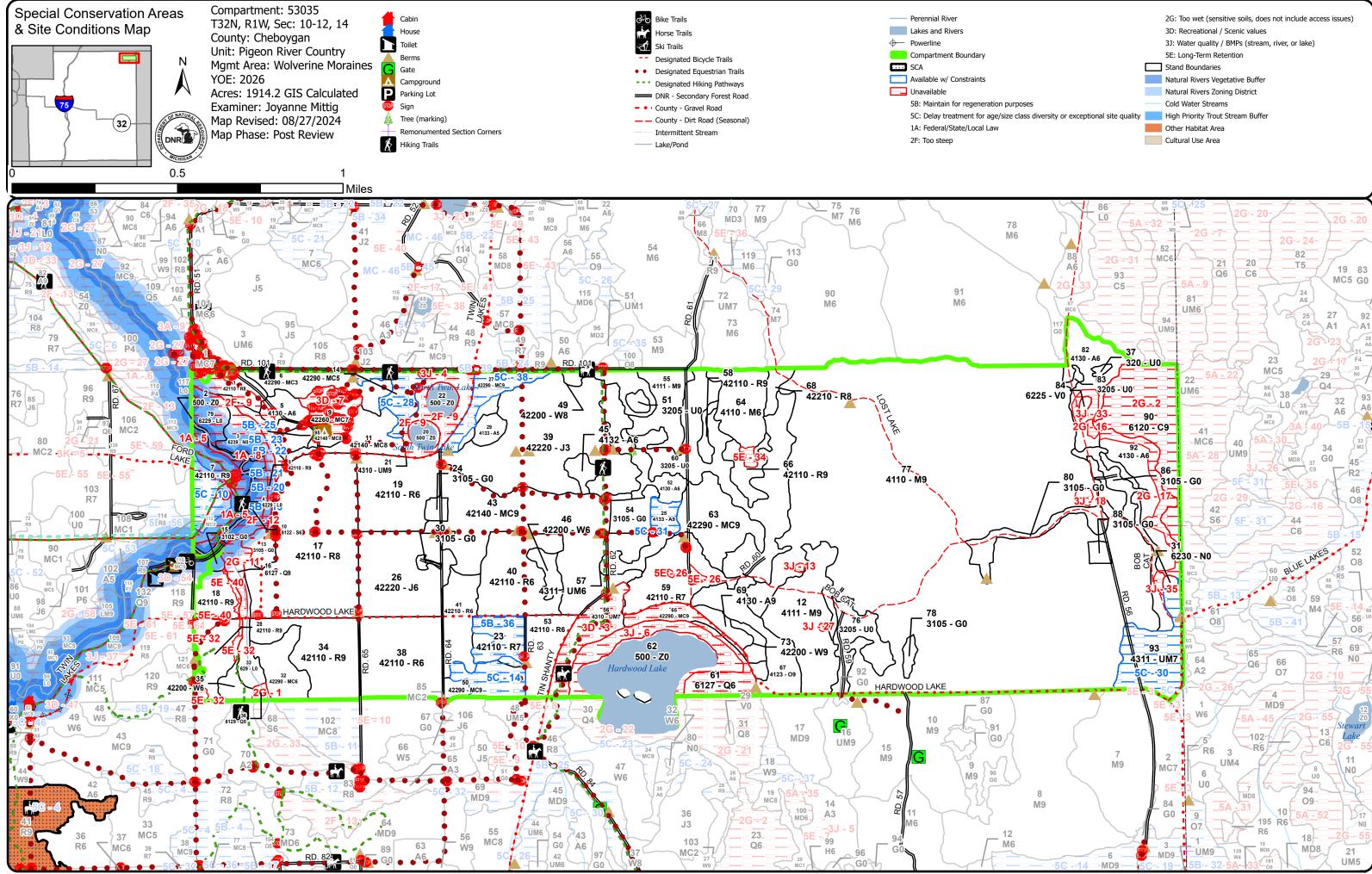
#### Additional Compartment Information:

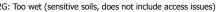
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas 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









### Joyanne Mittig: Examiner





Age Class

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Aspen	0	0	0	0	25	42	37	7	0	0	0	0	0	0	0	0	0	0	110
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	40
Herbaceous Openland	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Jack Pine	0	0	0	44	83	0	0	0	0	0	0	0	0	0	0	0	0	0	127
Lowland Conifers	0	0	0	0	0	0	0	0	0	34	0	8	1	0	0	0	0	0	43
Lowland Shrub	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
Marsh	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	17	0	27	0	0	0	0	34	15	15	0	0	0	0	0	15	123
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	639	0	0	0	0	0	0	0	639
Oak	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	28
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	102
Red Pine	0	0	0	0	123	0	0	0	0	0	226	36	0	0	0	0	0	0	384
Upland Mixed Forest	0	0	0	0	0	7	0	15	0	19	0	0	27	0	0	0	0	0	68
Upland Shrub	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Water	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
White Pine	0	0	0	0	5	5	0	0	0	0	9	0	4	0	0	0	0	0	23
Fotal	220	0	17	44	263	54	37	22	0	87	917	106	32	0	0	0	0	118	1913

S t		•	/ Mgt. Unit		Nepu	11.5	Treatments		Compartmen Year of Entry		DNR
а	Freatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Hab C
osed	Treatmen	<u>ts:</u>									
5 53	3035005-Cut	9.0	4130 - Aspen	Poletimbe Well	r 47	141- 170	Harvest	Clearcut	413 - Aspen	Even-Aged	l t
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<u>Next St</u> Treatmo	•	ring, Natura	al Regen (Re-Inve	ntory)							
Accepta Regen:		ocked asp	en with minor com	ponents of c	other na	ative spec	cies.				
<u>Other</u> Comme		t takes pla	ce near major equ	estrian cam	pgroun	d; winter	harvest only to ac	complish timber g	joals and avoid re	creation conf	flicts.
Site Co	ndition:										
Propose	ed Start Date	<u>:</u> 10/1 /202	25								
13 5	3035013-NF	5.5 L	3105 - Mixed Jpland Herbaceou	Nonstocke s	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		
Prescrij Specs:			orested condition or strian trails.	of this stand	either t	through p	rescribed burning	, planting, herbici		means. Add	trail/re
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Accepta Regen: Other Comme Site Co Propose 17 53	able ent: indition: ed Start Date 3035017-Cut 3035017-Cut ption Shelter visuals more ir BA will and aft allowed operati	87.4 wood harve are more o tensely (do differ. Sno er October i so long as	42110 - Planted	Medium a average. M the road. T A), due to les rvest only to well-spread a juate scarific	Mark we ry to pr sser am achiev and not ation o	est side le rotect adv nounts of e maximu windrowe f the site.	ess aggressively ( vanced regen in the regeneration. Use um scarification, the ed to assist in see If not, then chipp	50 BA or so) wher he west. The east e payment unit line out time with low-u edling establishme ing will be require	Upland Conifers e advanced reger tern portion of this e to divide the two ise equestrian sea nt. Alternative me d. Require a track	s is more com s stand can be o areas where ason; before r ethods to chip ked processor	nmon a e marke residu mid-Ma oping w r for fel
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Pigeon River Country Mgt. Unit **Report 3 -- Treatments** Compartment: 35 S Year of Entry: 2026 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 24 53035024-NF 3.0 3105 - Mixed Nonstocked Unspec NonForestMat Other - Specify 3105 - Mixed No **Upland Herbaceous** Upland ified . Herbaceous Prescription Maintain the nonforested condition of this stand either through prescribed burning, planting, herbicide, or mechanical means. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 30 53035030-NF 1.1 3105 - Mixed Nonstocked Unspec NonForestMgt Other - Specify 3105 - Mixed No Upland Herbaceous Upland ified Herbaceous Prescription Maintain the nonforested condition of this stand either through prescribed burning, planting, herbicide, or mechanical means. Specs: Next Step Treatments: **Acceptable** Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/1 /2025 53035034-Cut 33.8 42110 - Planted Sawtimber 91 141-Harvest Shelterwood 429 - Mixed Two-Aged No 34 Red Pine Well Upland Conifers 170 Prescription Shelterwood harvest, 30 - 50 BA. Do not cut any oak. Add oak wilt spec. Add trail/recreation protection spec. Snow-off/frost-free harvest only to achieve maximum scarification. Ensure slash is well-spread and not windrowed to assist in seedling establishment. Alternative methods to Specs: chipping will be allowed so long as it results in adequate scarification of the site. If not, then chipping will be required. Require a tracked processor for felling operations and work with the operator to encourage as much ground scarification as possible with the processor. Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable Fully to medium stocked mix of desirable native species, with at least 30% pine. Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/1 /2025

a n T d		Country	<sup>v</sup> Mgt. Unit	I	Repoi	rt3 <sup>-</sup>	Treatments		Compartme Year of Entr		DNR DNR
	reatment A Name	Acres	Stand CoverType		Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Michigan Habita Cut
41 53	035041-Cut	17.8 42	2210 - Natural Red Pine	Poletimbe Well	r 101	81-110	Harvest	Seed Tree	429 - Mixed Upland Conifer	Two-Aged s	No
Specs:	well-sprea adequate operator t	ad and no scarifica to encour	, thin the red pine o ot windrowed to as ition of the site. If r rage as much grou	sist in seed not, then ch nd scarifica	lling est ipping v ition as	tablishme will be req possible	nt. Alternative me uired. Require a	ethods to chipping tracked processor	will be allowed s	o long as it re	sults in
<u>Next Ste</u> <u>Treatme</u>	- 0/	Underpla	ant; Monitoring, Na	atural Rege	n (Re-Ir	nventory)					
<u>Accepta</u> <u>Regen:</u>	<u>ible</u> Fully to m	nedium st	tocked mix of desir	able native	specie	s, with at	least 20% being	pine and/or oak.			
<u>Other</u> Comme		remove j	ack pine and enco	urage red p	ine and	d white pir	ne. May need to ι	underplant if natura	al regeneration fa	ails.	
Site Cor											
	ed Start Date:			Courtingly o	- 100	01 110		Other Crestify	2005 Mixed		Ne
50 53	3035048-NF	2.7	42290 - Natural Mixed Pine	Well	r 100	81-110	NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub		No
Prescrip Specs:	o <u>tion</u> Maintain	the nonfo	prested condition o	f this stand	either t	through pi	rescribed burning	, herbicide, or med	chanical means.		
<u>Next Ste</u> <u>Treatme</u>											
Accepta Regen:	ible_										
<u>Other</u> Comme	<u>nt:</u>										
Site Cor	ndition:										
Propose	ed Start Date:	10/1 /202	25								
51 53	3035051-NF	2.3	3205 - Mixed Upland Shrub	Nonstocke	ed	Unspec ified	NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub		No
<u>Prescrip</u> <u>Specs:</u>	o <u>tion</u> Maintain spec for t	the nonfo he eques	orested condition o strian trails.	f this stand	either t	through pi	rescribed burning	ı, planting, herbicid	le, or mechanica	l means. Add	trail/rec
<u>Next Ste</u> <u>Treatme</u>											
<u>Accepta</u> <u>Regen:</u>	ible_										
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Pigeon River Country Mgt. Unit

**Report 3 -- Treatments** Compartment: 35 S Year of Entry: 2026 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 54 53035054-NF 9.3 3105 - Mixed Nonstocked Unspec NonForestMat Other - Specify 3105 - Mixed No **Upland Herbaceous** Upland ified . Herbaceous Prescription Maintain the nonforested condition of this stand either through prescribed burning, herbicide, or mechanical means. Add trail/rec spec for the equestrian trails and camparound adjacent to this treatment. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 55 53035055-Cut 17.2 4111 - S.Maple, Sawtimber 95 111-Harvest Group Selection 4319 - Mixed Two-Aged No Hard Mast Well 140 Upland Forest Association Prescription Place 75' gaps around large oak and sugar maple, harvesting to 1" spec in the gaps. 1 gap per five acres at the minimum. Put the gaps in Specs: first (and GPS their locations), then mark the rest of the stand down to 60BA. Keep some larger trees in the thinned acres. May need to follow up with planting oak and pine in the gaps if natural regeneration fails. Add oak wilt spec. Leave some white pines as a seed source. Add trail/rec spec for the equestrian trails Monitoring, Natural Regen (Intermediate); Planting, Underplant Next Step Treatments: Acceptable Medium stocked mix of desirable native species, with at least 20% of the regen being oak and/or pine. Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 53035058-Cut 3.1 42110 - Planted Sawtimber 95 51-80 Harvest Seed Tree 4211 - Planted Even-Aged No 58 Red Pine Well Red Pine Prescription Seed tree, 10 - 30 BA. Keep slash away from trees. Make part of surrounding burn unit. Specs: Next Step NonForestMgt, Other - Specify Treatments: Acceptable Fully to medium stocked mix of desirable native species. Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/1 /2025

Pigeon River Country Mgt. Unit **Report 3 -- Treatments** Compartment: 35 S Year of Entry: 2026 t а Treatment Size Stand BA Treatment Treatment Cover Type Acres Stand Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d 60 53035060-NF 59.0 3205 - Mixed Nonstocked 0 Unspec NonForestMgt Other - Specify 3205 - Mixed No Upland Shrub ified Upland Shrub Prescription Maintain the nonforested condition of this stand either through prescribed burning, planting, herbicide, or mechanical means. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 42110 - Planted 95 81-110 4211 - Planted 53035066-Cut 88 Sawtimber Harvest Seed Tree Even-Aged No 66 Red Pine Well Red Pine Prescription Seed tree, 10 - 30 BA. Keep slash away from trees. Make part of surrounding burn unit. Specs: Next Step NonForestMgt, Other - Specify Treatments Acceptable Fully to medium stocked mix of desirable native species. Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 53035067-NF 28.0 4123 - Red Oak Sawtimber 97 111-NonForestMgt **Brush Cutting** 4319 - Mixed Two-Aged No 67 Well 140 Upland Forest Prescription Masticate ironwood, beech, and cherry to open up space for planting oak and/or pine under the mature oaks in this stand. Avoid masticating existing pine regeneration. Specs: ; Monitoring, Natural Regen (Intermediate) Next Step Treatments: Acceptable Medium stocked mix of desirable native species with planted oak and pine Regen: This stand regenerated to undesirable species after it was harvested. A masticator should be able to fit between trees. Other Comment: Regen survey after mastication. If mastication unsuccessful, consider harvesting some of the oaks to allow more sunlight, and underplant pines and/or oaks. Site Condition: Proposed Start Date: 10/1 /2025 4130 - Aspen 53035069-Cut 6.5 Sawtimber 61 111-Harvest Clearcut 413 - Aspen Two-Aged No 69 Well 140 Prescription Clearcut, no retention; harvest all aspen, leave all oak. Mark to retain all white pine above 20" in diameter. Add oak wilt spec. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Fully stocked aspen with minor components of other native species. Regen: **Other** Timber sale: combine with stand 82 and 92 Comment: Site Condition: Proposed Start Date: 10/1 /2025

Pigeon River Country Mgt. Unit **Report 3 -- Treatments** Compartment: 35 S Year of Entry: 2026 t а Treatment Acres Stand Size Stand BA Treatment Treatment Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Туре Structure Cut d 76 53035076-NF 16.6 3205 - Mixed Nonstocked 0 Unspec NonForestMgt Other - Specify 3105 - Mixed No Upland Shrub Upland ified . Herbaceous Prescription Maintain the nonforested condition of this stand either through prescribed burning, planting, herbicide, or mechanical means. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 77 53035077-NF 2.8 4110 - Sugar Maple Sawtimber 92 81-110 NonForestMgt Other - Specify 411 - Northern Uneven-No Association Well Hardwood Aged Prescription Handpull and/or spray garlic mustard using DNR and Huron Pines staff. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2024 53035078-NF 2.4 3105 - Mixed Nonstocked Unspec NonForestMgt Other - Specify 3105 - Mixed No 78 **Upland Herbaceous** ified Upland Herbaceous Prescription Maintain the nonforested condition of this stand either through prescribed burning, herbicide, or mechanical means. Specs: Next Step Treatments: Acceptable Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/1 /2025

S t	Pigeo	n Rive	er Country	Mgt. Unit		Repo	rt 3 ˈ	Treatments		Compartmen Year of Entr		DIR NATURAL READONNE
a n d	Treatme Name		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
82	53035082	2-Cut	31.7	4130 - Aspen	Poletimbe Well	er 55	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Pres</u> Spec	<u>cs:</u> b ea ai	e in th astern round	e western   portion of hemlocks,	portion of the stand the stand along th	d) to be pus e swamp) t and diebacl	shed ov o be pu k from r	er with the shed ove oot distur	e root ball attach r with their root b bance. Most of t	maple. Mark one o ed AND/OR mark o alls attached every he retention has be	roups of small a two acres. Plac	aspen (these v e small retent	vill be in the ion pockets
	<u>t Step</u> N Itments:	lonitor	ing, Natura	l Regen (Re-Inver	ntory)							
Acce Reg		ully st	ocked aspe	en with minor com	ponents of	other na	ative spec	ies.				
<u>Othe</u> Com	e <u>r</u> C Iment:	ombir	e with star	nd 92 in the north								
Site	Condition:											
Prop	osed Start	Date:	10/1 /202	25								
83	5303508	3-NF	1.2	3205 - Mixed Upland Shrub	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub		No
Pres	cription M	laintai	n the nonfo	•	of this stand	either t		rescribed burning	g, planting, herbicid	•	Imeans	
Spe									, p.a			
	<u>Step</u> tments:											
<u>Acce</u> Reg	eptable_ en:											
<u>Othe</u> Com	er iment:											
<u>Site</u>	Condition:											
Prop	osed Start	Date:	10/1 /202	25								
86	5303508	6-NF	1.7 U	3105 - Mixed pland Herbaceous	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
Pres Spec		laintai	n the nonfo	rested condition c	of this stand	either 1	through p	rescribed burning	g, herbicide, or mec	chanical means.		
	<u>t Step</u> Itments:											
Acce Reg	<u>eptable</u> en:											
<u>Othe</u> Com	er iment:											
<u>Site</u>	Condition:											
		Date:	10/1 /202	25								

S t	er Countr	ry Mgt. Unit		Repoi	rt 3 '	Treatments		Compartmer Year of Entr		DNR DNR
a n Treatment d Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
37 53035087-NF	1.1	320 - Upland Shrub	Nonstocke	ed 0	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
Prescription Maintai Specs:	n the non	forested condition c	of this stand	either t	hrough p	rescribed burning	g, herbicide, or mec	hanical means.		
<u>Next Step</u> <u>Treatments:</u>										
<u>Acceptable</u> Regen:										
<u>Other</u> Comment:										
Site Condition:										
Proposed Start Date:	10/1 /20	)25								
88 53035088-NF	2.7	3105 - Mixed Upland Herbaceous	Nonstocke S	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
<u>Prescription</u> Maintai <u>Specs:</u>	n the non	forested condition c	of this stand	either t	hrough p	rescribed burning	g, planting, herbicid	e, or mechanica	l means.	
<u>Next Step</u> <u>Treatments:</u>										
<u>Acceptable_</u> Regen:										
<u>Other</u> Comment:										
Site Condition:										
Proposed Start Date:	10/1 /20	)25								
86 53035089-NF	4.8	3105 - Mixed Upland Herbaceous	Nonstocke S	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
<u>Prescription</u> Maintai <u>Specs:</u>	n the non	forested condition c	of this stand	either t	hrough p	rescribed burning	g, planting, herbicid		l means.	
<u>Next Step_</u> Treatments <u>:</u>										
<u>Acceptable_</u> Regen:										
<u>Other</u> Comment:										
Site Condition:										

#### Denert 2 Treatmonte

S t	Pigeon Riv	er Country	Mgt. Unit		Repo	rt3 <sup>·</sup>	Treatments		Compartmer Year of Entr		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
92	53035092-Cut	14.9	4130 - Aspen	Poletimbe Well	er 45	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Spec	<u>cs:</u> (these will be	will be in th in the easte	e western portion ern portion of the s	of the stand stand along	l) to be	pushed o	ver with the root	d during inventory. ball attached AND th their root balls a	OR mark groups	s of small aspe	
	<u>Step</u> Monito <u>tments:</u>	ring, Natura	I Regen (Re-Inve	ntory)							
<u>Acce</u> Rege		tocked aspe	en and minor com	ponents of o	other na	ative spec	ies.				
Othe Com	e <u>r</u> Clearc Iment:	utting to res	tart stand and inc	rease vigor.							
	Condition:										
Prop	osed Start Date	<u>:</u> 10/1 /202	25								
80	53035094-NF	11.6 U	3105 - Mixed pland Herbaceous	Nonstocke s	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
Pres Spec		in the nonfo	prested condition of	of this stand	either t	through p	rescribed burning	, planting, herbicic	le, or mechanica	l means.	
	<u>Step</u> tments:										
Acce Rege	eptable_ en:										
<u>Othe</u> <u>Com</u>	er Iment:										
Site	Condition:										
Prop	osed Start Date	<u>:</u> 10/1 /202	25								

# **Approved Treatments:**

18 53035	018-Cut	9.1	42110 - Planted Red Pine	Sawtimber Well	98	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
Prescription Specs:	treatment	bound	and replant. Do no ary and is in the site ude areas of good a	e conditions la	ayer (s	southwest	corner of treatr	nent). Stay on top	of the slopes on th		
<u>Next Step</u> <u>Treatments</u> :		Trench	iing; Planting, Initia	al Plant; Mor	nitorin	g, Artificia	l Regen(1yr);	Monitoring, Artificia	al Regen(3yr)		
Acceptable Regen:	Fully-stock	ked sta	and of planted red p	ine.							
<u>Other</u> <u>Comment:</u>	Add low st	umps,	chipping, and 2" sp	ecs. Cut in th	e win	ter to avoid	d conflicts with	the adjacent campo	ground.		
Site Condition	on:										
Proposed S	tart Date: 1	0/1 /20	023								

#### Report 3 -- Treatments

S t	Pigeon Riv	er Countr	y Mgt. Unit	I	Repoi	rt3 <sup>-</sup>	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	Habit Cut
28	53035028-Cut	12.8	42110 - Planted Red Pine	Sawtimbe Well	r 98	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Nc
<u>Pres</u> Spec			and replant. Do not eas of desired reten								
	<u>Step</u> SitePre tments:	p, Trench	ing; Planting, Initia	al Plant; Mo	onitorin	g, Artificia	al Regen(1yr);	Monitoring, Artificia	al Regen(3yr)		
<u>Acce</u> Rege	e <u>ptable</u> Fully-st en:	ocked, pla	anted red pine.								
<u>Othe</u> Com	<u>r</u> Add ho <u>ment:</u> identifio		king trail specs. Add	d low stump	s, chipp	oing, and :	2" specs. Leave	e trail marker trees o	cut at five feet to a	id in trail	
<u>Site</u>	Condition:										
<u>Prop</u>	osed Start Date	10/1 /20	)23								
59	53035059- Plant	25.9	42110 - Planted Red Pine	Sawtimbe Poor	r 96	1-50	Planting	Underplant	42260 - Natural Pine, Mixed Deciduous	Two-Aged	No
		ng sale co	ompletion, plant 10-	20 oak sapli	ings pe	r acre.					
<u>Spec</u>											
	<u>Step</u> Monitor tments:	ing, Natur	ral Regen (Re-Inver	ntory)							
<u>Acce</u> Rege			neration will be at le also be acceptable		m-stoc	ked stand	l of all pine spe	cies with at least a	25% representatio	on of red pine.	Oak
<u>Othe</u> <u>Com</u>	<u>r</u> Percen <u>ment:</u>	t to Treat	= 100%								
<u>Site</u>	Condition:										
<u>Prop</u>	osed Start Date	10/1 /20	)25								
64	53035064- Monitor	17.7 4	1110 - Sugar Maple Association	Poletimbe Well	r 96	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven- Aged	No
<u>Pres</u> Spec		regen su	rvey at TCR + 4 yea	ars							
	<u>Step</u> tments:										
<u>Acce</u> Rege		n hardwo	od regeneration in o	canopy gaps	s not do	minated	by beech or iror	wood.			
Othe		t to Treat	= 100%								
Com	mont.										
Com	Condition:										

Total Treatment 451.5 Acreage Proposed:



Joyanne Mittig: Examiner

#### Availability for Management

Acres

Total Acres Acres Avail Acres

Available With Condition Not Available

Dominant Site Conditions

0	0	0	Aspen
0	0	0	Bog
0	0	0	Cedar
0	0	0	Herbaceous Openland
0	0	0	Jack Pine
0	0	0	Lowland Conifers
0	0	0	Lowland Shrub
0	0	0	Lowland Spruce/Fir
0	0	0	Marsh
0	0	0	Natural Mixed Pines
0	0	0	Northern Hardwood
0	0	0	Oak
0	0	0	Planted Mixed Pines
0	0	0	Red Pine
0	0	0	Upland Mixed Forest
0	0	0	Upland Shrub
0	0	0	Water
0	0	0	White Pine
			Total Forested Acres
			Relative Percent

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

1 Unavailable Comments:	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:	,					·
Very poor quality, we	et ground.					

	_	ountry Mgt. Unit Mittig : Examiner		Report 4 – Site Co	nditions	Compartment: 35 Year of Entry: 2026	DRR DRATURE
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3D: Recreational / Scenic values	38	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Visual buffer aroun	d Hardwood Lake that should b	e left u	nmanaged.			
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Steep slopes/erosic	on concerns. Also provides a vis	sual bu	ffer for the Twin Lakes.			
5	Unavailable	1A: Federal/State/Local Law	10	3D: Recreational / Scenic values	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified
	<b>Comments:</b> This part of the star	nd is within the natural river zon	ne of th	e Pigeon River. Pathway go	pes through this area as well.		
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	2G: Too wet (sensitive soils, does not include access issues)	3D: Recreational / Scenic values	Unspecified	Unspecified
	<b>Comments:</b> Forested bog, buffe	er for Hardwood Lake.					
7	Unavailable	3D: Recreational / Scenic values	13	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Elk Hill Group Cam	р					

**Report 4 – Site Conditions Pigeon River Country Mgt. Unit** Compartment: 35 Year of Entry: 2026 Joyanne Mittig: Examiner 8 Unavailable 1A: Federal/State/Local Unspecified Unspecified 39 3J: Water quality / BMPs Unspecified (stream, river, or lake) Law Comments: This area is almost entirely within the Pigeon River natural river zone. 9 Unavailable 2F: Too steep 23 3A: Conservation Values Unspecified Unspecified Unspecified incompatible with harvest at this time Comments: Steep slopes. Unspecified Unspecified Unspecified 10 **Available** 12 Unspecified 5C: Delay treatment for age/size class diversity or exceptional site quality **Comments:** Unspecified Unspecified Unspecified 11 Unavailable 7 1A: Federal/State/Local 2G: Too wet (sensitive soils, does not include Law access issues) Comments: Portion of stand within influence zone of Pigeon River. Wet drainage drains into Pigeon River, part of proposed SCA. 3G: Other Influence Unspecified Unspecified Unspecified 12 Unavailable 2F: Too steep 3 zones - See comments Comments: Stand also falls within influence zone of the Pigeon River. Unspecified 14 **Available** 5C: Delay treatment for 13 Unspecified Unspecified Unspecified age/size class diversity or exceptional site quality **Comments:** 

Pigeon River Country Mgt. Unit

# **Report 4 – Site Conditions**

Compartment: 35

Year of Entry: 2026



Joyanne Mittig: Examiner

19	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
20	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
21	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
22	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
23	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
24	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
08/26/2	024 4:04:03 PM - Pag	e 4 of 5					TONELLOM1

Pigeon River Country Mgt. Unit

Compartment: 35 Year of Entry: 2026 DNR BUCK

Joyanne Mittig: Examiner

25	Available	5B: Maintain for regeneration purposes	0	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
36	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						



#### 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

Compartment: 35 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.

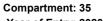
Conservatior Area	п Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen con stocked trout populations and those of other coldwater fish spe to year. Coldwater streams in Michigan typically provide these of groundwater to their stream flows. Such streams are establis trout resources by Fisheries Order 210.	cies (e.g., slimy sculpin) to persist from year conditions due to substantial contributions
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of t streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their eff as aesthetics, habitat, bank stability, timber production, and the	he unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from s approved distance from the river centerlines. The Natural Rive most Natural Rivers. The Vegetative Buffer ranges from 25 to	rs Zoning District is a 400 foot buffer for

Compartment: 35

Year of Entry: 2026

TONR

Stand	Level 4 Co	over Type	S	Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
1	42110 - Plan	nted Red P	'ine Sav	vtimber Mediun	n 10.1	99	141-170	N/A		2026 YOE Notes: Mature red pine stand, topography drops off sharply in
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Can	opy Species	s Density	Avg. Height	Size	the west. Jack pine increases down the slope, and white pine in the subcanopy decreases. Many of the jack pine are dying.
	Paper Birch	1	Pole/Log	8	Blac	k Cherry	Medium	Variable	Sapling	
	Red Pine	90	Log/Pole	14 99	Pap	er Birch	Low	>20 feet	Sapling	
	Red Maple	2	Pole/Log/Sap	7	Maple Lea	ved Viburnur	m Low	Variable	Tall Shrub	Found a planting record card saying this area was planted to red pine and jack pine in 1921, and manual residually cut in 1977
	Bigtooth Aspen	2	Pole/Log	9	Re	d Pine	Low	>20 feet	Pole	
	Red Oak	2	Log/Pole	10	В	eech	Medium	Variable	Sapling	2016 YOE Notes: -Road 51 goes through the middle of this stand and a
	Jack Pine	3	Pole/Log	8	Re	d Pine	Low	>20 feet	Sapling	portion of Elk Hill Campground is at the north end. -#53-013-96-01, Campground Blocks, bought by Georgia Pacific followed
					Whi	ite Pine	High	Variable	Sapling	the topography line, not going down the hill.
					Hawth	orn (spp.)	Trace	5 - 10 feet	Tall Shrub	
2	500 -	Water		Nonstocked	4.1		Unspecified	No		2026 YOE Notes: Pigeon River
3	6239 - Mixed Er	mergent W	etland	Nonstocked	9.5		Unspecified	No		2026 YOE Notes: Wet sedge/grass/forb. Even though there wasn't standing water, the soil is wet, dark muck. This is an excellent pollinator
					Sub-Can	opy Species	s Density	Avg. Height	Size	area, given the amount of bee balm, golden rod, spirea, and prickly
						sam Fir	Low	Unspecified	Sapling	gooseberry (plus the willow in the adjacent stand to the north).
					Wille	ow spp.	Low		Tall Shrub	
					Balsa	m Poplar	Low	Unspecified	Sapling	
					Blacl	k Cherry	Low	Unspecified	Sapling	
4	6229 - Mixed	lowland sl	nrub	Nonstocked	7.8		Unspecified	No		2026 YOE Notes: Pigeon River shrub corridor. The northern portion of the stand is a willow thicket, but as you move south, more tag alder, red osier
					Sub-Can	opy Species	s Density	Avg. Height	Size	dogwood, ninebark, and large, mature spruce trees line the bank. Ground
					Wille	ow spp.	High	Unspecified	Tall Shrub	is full of grass and sedge. Some herbaceous wetland plants are found on
					Quaki	ng Aspen	Trace		Pole	the banks; blue vervain, joe-pye weed, possibly poison or water hemlock.
					White	e Spruce	Low		Pole	
					Nir	nebark	Low		Tall Shrub	
					A	Alder	Medium	Unspecified	Tall Shrub	
							_		<b>O</b>	1
					Balsa	m Poplar	Trace		Sapling	



											Year of Entry: 2026
tand	Level 4 C	over Type	:	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
5	4130	- Aspen	P	Poletimb	er Wel	l 11.2	47	141-170	N/A		2026 YOE Notes: White pine + red maple saps and poles growing
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	underneath the crowns of the aspen. Area north of the rd is almost all quaking aspen and smaller red pine in canopy. Area south of the road is
	Bigtooth Aspen	40	Log/Pole	10	47	Wh	nite Pine	High	Variable	Sapling	mostly bigtooth aspen, more dense, larger trees, and less white pine in
	White Pine	1	Log	12		Re	ed Pine	Low	Variable	Sapling	subcanopy. Pocket of sapling/small pole quaking aspen in northeast are
	Red Pine	15	Log/Pole	13		Re	d Maple	High	>20 feet	Sapling	of stand. Highly variable stand. Hilly topography. Stand is full of horse trails; some trails I don't see represented on Mifi data. BA swings of 130
	Red Oak	1	Log	12		Maple Lea	aved Viburnum	Low	< 5 feet	Tall Shrub	140, and 170.
	Red Maple	3	Pole	7		Whit	te Spruce	Low	5 - 10 feet	Sapling	а 
	Quaking Aspen	40	Pole/Log	8		Blac	ck Cherry	Medium	Variable	Tall Shrub	Found an FTP from 1977 for this stand; stand was taken down to 24BA: merchantable timber now being cut. Producer can cut residual cull
						Wh	nite Pine	Medium	>20 feet	Pole	material while on the site. New sprouting will make good game habitat
						Ja	ck Pine	Low	>20 feet	Sapling	and produce new aspen stand.
						E	Beech	Low	10 - 20 feet	Sapling	2016 YOE Notes: -Wait ten years.
											-Small inclusion of R9 next to Road 51. This is where most of the red pin is located. Poor quality, deformed white pine throughout. -QA is on the north side of the road. -Trace of red oak and paper birch.
5	42290 - Nati	ural Mixed F	Pine	Sapling	Well	17.3	17	1-50	N/A		2026 YOE Notes: Saplings under supercanopy of red pine and a few red
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak. More residual supercanopy trees in the east. Residual red pine is i good health. The regen of all pine species is doing great; from the notes
	White Pine	25	Sapling	3		Ja	ck Pine	Medium	< 5 feet	Seeding	of the previous inventory, it just took a bit to get established. It's likely the
	Jack Pine	30	Sapling	3	17	Wh	nite Pine	Medium	< 5 feet	Seeding	dominant sapling age is less than 17 years, given that it took a few year
	Red Oak	2	XLog/Log	18		Re	ed Pine	Medium	< 5 feet	Seeding	after the harvest to establish. In all, it's a great mix of natural regeneration. Looks like the red pine regenerated slower than the white
	Red Pine	30	Sapling	2	17				1		pine and jack pine. The regen appears to have a range of ages, too; the
	Red Pine	13	XLog/Log	18	99						are still seedlings establishing themselves.
											Notes from 2006 say there was a "Horse-shoe JP budworm sale" in 199
											Found a planting record card saying this area was planted to red pine ar jack pine in 1922 and 1925, ribes control in 1957, manually and residual cut in 1977
											2016 YOE Notes: -Twin Hardwood Red Pine, #53-013-07-01, bought by Bisballe. Red pine seed tree cut, all oak and birch left as well. Not much regen at this point. -Trace of paper birch and oak in the overstory. Trace of jack pine in the understory.
7	42110 - Pla	nted Red P	ine S	Sawtimb	er Wel	I 21.6	96	111-140	N/A		2026 YOE Notes: Found a planting record card saying this area was planted to red pine and jack pine in 1920, but the trees didn't look that
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	old, and when I cored two red pines, they aged 93 and 96. Steep
	White Pine	5	Log/XLog	17		Whit	te Spruce	Low	Variable	Sapling	slope/hill along south and east. Jack pine are almost all dead and falling
	Red Pine	95	Log/Pole/XLog	g 12	96	E	Beech	Medium	Variable	Sapling	over. Trace red oak, jack pine, and paper birch in canopy.
						Re	ed Pine	Medium	Variable	Sapling	2016 YOE Notes: -This stand doesn't appear that it has been thinned
						Dogw	/ood (spp.)	Low	5 - 10 feet	Tall Shrub	before. Travel and recreation influence, steep slopes as well along the
									- 105 1	<b>T</b> 11 O1 1	aguth and aget addee. The Chingle Mill Dathway magndare throughout

5 - 10 feet

>20 feet

Variable

Pole

Sapling

Low

Medium

High

Witch Hazel

Red Maple

White Pine

Tall Shrub south and east edges. The Shingle Mill Pathway meanders throughout this stand.

-Leave this stand unmanaged.

Compartment: 35

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rear	στ	Entry:	2026	

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tand	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
8	42110 - Pla	nted Red P	ine Sa	awtimb	er Well	3.1	104	201+	N/A		2026 YOE Notes: Steep slope. BA swings of 190 and 220.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2016 YOE Notes: -Stand was planted to RP by CCC but steep slopes make almost all of this stand inoperable.
	Red Pine	100	Log/XLog/Pole	1			sam Fir	High	Variable	Sapling	
						Re	ed Pine	Medium	>20 feet	Sapling	
9	42260 - Natural Pi	ne, Mixed E	)eciduous Sa	awtimb	er Poor	14.7	95	1-50	N/A		2026 YOE Notes: Equestrian campground: manure bunkers, pit toilets,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	fire rings, benches, hitching posts. Cored a 15.5" dbh red pine, 95 year very tight growth rings between the ages of 40 and 50. All the red pine
	Jack Pine	7	Pole/Log	9		Blac	k Cherry	High	Variable	Sapling	are short, thickly branched. Cored an 11" dbh black cherry, counted 40
	White Pine	15	Pole	8		Re	d Maple	Low	Variable	Sapling	years.
	Red Pine	45	Log/Pole	15	95	E	Beech	Low	5 - 10 feet	Sapling	Found a planting record card saying this area was planted to red pine a
	Red Maple	5	Pole/Log	8		Re	ed Pine	Trace	< 5 feet	Sapling	jack pine in 1922 and 1925, ribes control in 1957, manually and residu
	Black Cherry	28	Log/Pole	11	40						cut in 1977
											2016 YOE Notes: -Elk Hill Group Campground
10	6122 - BI	lack Spruce	; Pr	oletimb	er Well	7.3	105	201+	N/A		2026 YOE Notes: Slowly, then drastically slopes down to river. Severa
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	small drainages flow down to river. Stem diameter decreases as you move towards the river. Stand also moved from cedar-dominated to bl
	Tamarack	5	Pole	8		Та	g Alder	Medium	Variable	Tall Shrub	
	White Pine	5	XLog/Log	18		Та	marack	Low	< 5 feet	Seeding	west. Cored an 11" black spruce, 105 years. Cored a 13" cedar, could
	Red Maple	1	Pole	7		Wł	ite Pine	Low	Variable	Sapling	only count 84 rings due to decaying center; assume in the 90s.
	White Spruce	5	XLog/Log	21		Ba	sam Fir	Medium	Variable	Sapling	2016 YOE Notes: -No management due to its proximity to the Pigeon
	Black Spruce	53	Pole/Log	9	105	Whit	e Spruce	Medium	10 - 20 feet	Sapling	River.
	Paper Birch	1	Pole	7		Ва	sam Fir	Low	< 5 feet	Seeding	-Spruce more common along the western edges of the stand.
No	rthern White Cedar	30	Log/Pole/XLog	12	95						-
11	42140 - Plan	ited Mixed F	<sup>&gt;</sup> ine Sav	/timbe	Medium	n 15.9	99	81-110	N/A		2026 YOE Notes: An incredibly variable stand; variability increases as
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	you move east. It's definitely uneven-aged. Cored four trees: 11" red p 53 years old. 18" red pine, 73 years old. 20" red pine, at least 112 year
	Red Maple	8	Pole/Log	8	53	Ва	sam Fir	Low	>20 feet	Pole	old (core broke). 14" red pine, 85 years old. BA swings of 120, 70, and
	White Pine	30	Log/Pole/XLog	10		E	Beech	Low	>20 feet	Sapling	60. Could it have been thinned multiple times, and each time, a new a
	Red Oak	2	Log/Pole	10		Re	ed Pine	Low	>20 feet	Pole	class grew in? Notes from 1994 say "cut jack pine and aspen, mark op cone jack pine for seed and residual where red pine is thin". Found a
	Jack Pine	10	Log/Pole	10		Ja	ck Pine	Medium	>20 feet	Sapling	planting record card that says this area was planted to red pine and jac
	Red Pine	50	Log/Pole/XLog	12	99	Re	d Maple	Medium	>20 feet	Sapling	pine in 1925, but also had Ribes control performed in 1957.
			-		1	Wh	ite Pine	High	Variable	Sapling	2016 YOE Notes: -#53-013-96-01, Campground Blocks, bought by
						Re	ed Pine	Low	Variable	Sapling	Georgia Pacific. Shelterwood harvest, with highly variable stocking (m



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stand	Level 4 Co	over Type	Si	ize De	nsity	Acres S	Stand Age B	A Range	Managed S	Site	General Comments
12	4111 - S.Maple, Ha	ard Mast A	ssociation Sa	awtimb	er Well	38.1	92	81-110	N/A		This southwest area has slightly higher quality stems, higher BA in parts and larger diameter. Also more oak and hemlock. Different understory
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Cano	opy Species	Density	Avg. Height	Size	composition; less dense subcanopy and shorter height. This stand migh
	Basswood	32	Log/XLog/Pole	16		Black	Cherry	Medium	< 5 feet	Sapling	be uneven aged. Beech are dead/dying. Trace XL white pine and L red
	Beech	5	XLog/Log	18		Hen	nlock	Low	>20 feet	Log	maple. Some areas have very low BA (90) due to previous harvests.
	Hemlock	15	XLog/Log/Pole	20		Sugar	r Maple	Full	< 5 feet	Seeding	Maidenhair fern present in the portion of the stand south of Bobcat Trail Looking at Web Soil Survey, this stand is roughly the same area as the
	Red Oak	15	XLog	24		Be	ech	Medium	Variable	Sapling	Leelanau loamy sand (0 to 6% slope) polygon.My delineation
	Sugar Maple	33	Log/Pole/XLog	14	92	Bass	swood	Low	< 5 feet	Seeding	definitely wasn't perfect; some areas within this stand have more poles
				1	I	White	te Ash	Low	< 5 feet	Seeding	and small logs.
						Blackberry	y/Raspberry	High	< 5 feet	Tall Shrub	
						Iron	wood	Full	< 5 feet	Sapling	
13	3105 - Mixed Up	pland Herb	baceous N	Nonsto	ocked	5.5	U	nspecified	No		2026 YOE Notes: Full of little bluestem and sweetfern. Still had spotted
					Γ	Sub-Cano	opy Species	Density	Avg. Height	Size	knapweed and mullien.
					-						*
						Mixed (	Grasses	Full		Non-Wood	2016 YOE Notes: Burn the part of this stand east of Twin Lakes Road i
							Grasses Cherry	Full Trace		Non-Wood Tall Shrub	
14	42290 - Natu			etimbe	Mediun	Black	Cherry		N/A		2026 YOE Notes: Very natural structure to stand; mosaic of trees; smal
14	42290 - Natu Canopy Species		Pine Pole r <b>Size Class</b>		Mediun	Black n 11.7	Cherry	Trace	N/A Avg. Height		conjunction with the adjacent red pine stand to the east.
14						Black n 11.7 Sub-Cano	Cherry 34	Trace		Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought b
14	Canopy Species	% Cover	r Size Class	DBH		Black n 11.7 Sub-Cano	Cherry 34 opy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&R Logging.
14	Canopy Species Red Oak	<b>% Cove</b>	r Size Class Pole	<b>DBH</b> 8	l Age	Black n 11.7 Sub-Cano	Cherry 34 opy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&R Logging.
14	Canopy Species Red Oak Quaking Aspen	% Cover 1 5	r Size Class Pole Pole/Sapling	<b>DBH</b> 8 6	<b>Age</b> 34	Black n 11.7 Sub-Cano	Cherry 34 opy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; smal gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought b K&R Logging. -Browsing has eliminated most of the aspen from this stand. Many of th
14	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen	% Cover           1           5           15	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole</li> </ul>	<b>DBH</b> 8 6 8	l Age	Black n 11.7 Sub-Cano	Cherry 34 opy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; smal gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought b K&R Logging. -Browsing has eliminated most of the aspen from this stand. Many of th
14	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine	% Cover           1           5           15           25	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> </ul>	<b>DBH</b> 8 6 8 8 8	<b>Age</b> 34	Black n 11.7 Sub-Cano	Cherry 34 opy Species	Trace 111-140 Density	Avg. Height	Tall Shrub	conjunction with the adjacent red pine stand to the east. 2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands. 2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&R Logging. -Browsing has eliminated most of the aspen from this stand. Many of the
14	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine Jack Pine Red Pine	% Cover           1           5           15           25           28	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> </ul>	DBH       8       6       8       8       8       7	34 34	Black n 11.7 Sub-Cano	Cherry 34 opy Species e Pine	Trace 111-140 Density	Avg. Height	Tall Shrub	<ul> <li>conjunction with the adjacent red pine stand to the east.</li> <li>2026 YOE Notes: Very natural structure to stand; mosaic of trees; small gaps in canopy/trees in clusters/islands.</li> <li>2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought b K&amp;R Logging.</li> <li>Browsing has eliminated most of the aspen from this stand. Many of th JP and WP are open-grown, poor quality trees.</li> <li>2026 YOE Notes: Re-vegetated, mostly spotted knapweed and little</li> </ul>
	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine Jack Pine Red Pine	Cover           1           5           15           25           28           26	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> </ul>	DBH       8       6       8       7       9	34 34	Black n 11.7 Sub-Cano White 1.2	Cherry 34 opy Species e Pine	Trace T11-140 Density Low	Avg. Height < 5 feet	Tall Shrub	<ul> <li>conjunction with the adjacent red pine stand to the east.</li> <li>2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands.</li> <li>2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&amp;R Logging.</li> <li>-Browsing has eliminated most of the aspen from this stand. Many of the JP and WP are open-grown, poor quality trees.</li> </ul>
	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine Jack Pine Red Pine	Cover           1           5           15           25           28           26	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> </ul>	DBH       8       6       8       7       9	34 34	Black n 11.7 Sub-Cano White 1.2 Sub-Cano	Cherry 34 opy Species e Pine	Trace T11-140 Density Low	Avg. Height < 5 feet	Size Sapling Size Sapling	<ul> <li>conjunction with the adjacent red pine stand to the east.</li> <li>2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands.</li> <li>2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&amp;R Logging.</li> <li>Browsing has eliminated most of the aspen from this stand. Many of the JP and WP are open-grown, poor quality trees.</li> <li>2026 YOE Notes: Re-vegetated, mostly spotted knapweed and little bluestem. Surrounded by steep sides.</li> <li>2016 YOE Notes: Appears to be an old gravel pit. Too much snow on the stand stand.</li> </ul>
	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine Jack Pine Red Pine	Cover           1           5           15           25           28           26	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> </ul>	DBH       8       6       8       7       9	34 34	Black n 11.7 Sub-Cano White 1.2 Sub-Cano Red	Cherry 34 ppy Species e Pine U ppy Species	Trace Trace Density Low	Avg. Height < 5 feet	Size Sapling	<ul> <li>conjunction with the adjacent red pine stand to the east.</li> <li>2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands.</li> <li>2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&amp;R Logging.</li> <li>Browsing has eliminated most of the aspen from this stand. Many of the JP and WP are open-grown, poor quality trees.</li> <li>2026 YOE Notes: Re-vegetated, mostly spotted knapweed and little bluestem. Surrounded by steep sides.</li> </ul>
	Canopy Species Red Oak Quaking Aspen Bigtooth Aspen White Pine Jack Pine Red Pine	Cover           1           5           15           25           28           26	<ul> <li>Size Class</li> <li>Pole</li> <li>Pole/Sapling</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> <li>Pole/Sap/Log</li> </ul>	DBH       8       6       8       7       9	34 34	Black n 11.7 Sub-Cano White 1.2 Sub-Cano Red Jack	Cherry 34 opy Species e Pine U opy Species	Trace Trace	Avg. Height < 5 feet	Size Sapling Size Sapling	<ul> <li>conjunction with the adjacent red pine stand to the east.</li> <li>2026 YOE Notes: Very natural structure to stand; mosaic of trees; sma gaps in canopy/trees in clusters/islands.</li> <li>2016 YOE Notes: -Twin Lakes West Clearcut, #53-026-88-01, bought to K&amp;R Logging.</li> <li>Browsing has eliminated most of the aspen from this stand. Many of the JP and WP are open-grown, poor quality trees.</li> <li>2026 YOE Notes: Re-vegetated, mostly spotted knapweed and little bluestem. Surrounded by steep sides.</li> <li>2016 YOE Notes: Appears to be an old gravel pit. Too much snow on the stand stand.</li> </ul>



12

Year of Entry: 2026

Stand Lev	vel 4 Cov	ver Type	Si	ize De	nsity	Acres Stand	d Age B/	A Range	Managed	Site	General Comments
<b>16</b> 61	27 - Low	land Pine	e Sa	wtimb	er Well	7.6 10	)7	81-110	N/A		2026 YOE Notes: western border sharpy drops off to the east. Different
Canopy Spe	ecies	% Cover	Size Class	DBH	Age	Sub-Canopy S	Species	Density	Avg. Height	Size	species on slope; white pine, red pine, and balsam fir and spruce in lowland. Small stream still present. More spruce, northern white cedar,
Balsam Fir		10	Pole/Log	8		Nannyber	rry	Low	Variable	Tall Shrub	open understory, and larger avg diameters in the north portion of the
Quaking Aspe	en	1	Log	16		Beech		Medium	Variable	Sapling	stand.2016 YOE Notes: -This stand slopes down to the north and
White Pine	•	68	Log/Pole/XLog	15	107	White Spru	lce	High	>20 feet	Pole	there is a small stream flowing through the middle.
White Spruce	e	10	Log/Pole	13	107	Balsam F	ir	High	>20 feet	Pole	-
Red Maple		3	Pole	8		Balsam F	ir	High	Variable	Sapling	-
Northern White C	Cedar	5	Pole/Log	9		Tag Alde	er	High	Variable	Tall Shrub	
Paper Birch	ı	1	Pole	7		White Pir	ne	High	>20 feet	Pole	
Red Pine		2	Log/Pole	10		White Spru	lce	High	Variable	Sapling	
						Black Che	erry	Medium	Variable	Sapling	
<b>17</b> 42110	0 - Plant	ed Red P	Pine Saw	timber	Mediun	n 87.4 99	9	51-80	N/A		2026 YOE Notes: Red pine supercanopy with well-stocked subcanopy of
Canopy Spe	ecies	% Cover	Size Class	DBH	Age	Sub-Canopy S	Species	Density	Avg. Height	Size	mixed conifer. East half of stand has far fewer subcanopy trees than we half. East half also has more white pine and especially red pine seedling
Red Pine		99	Log/XLog	16	99	Balsam F	ir	High	>20 feet	Pole	and saplings in its subcanopy. Very impressive natural red pine
White Pine	•	1	Log	12		Beech		Low	5 - 10 feet	Sapling	regeneration in the east half. Variable BA; 40, 90, 120, 70
						Red Pine	е	Medium	Variable	Sapling	in 2004 notes, says this stand will be thinned, but some regen holes wil
						Black Che	erry	High	5 - 10 feet	Sapling	be made. Also says area west of road: jack pine will be removed and re
						White Spru	lce	Low	< 5 feet	Sapling	pine thinned.
						Red Pine	е	Low	>20 feet	Pole	1985 Oswood Jack Pine Sale; cut all merchantable trees except red pin
						Red Pine	е	Low	< 5 feet	Seeding	and oak.
						White Pir	ne	High	Variable	Sapling	
						White Spru	lce	Low	>20 feet	Pole	Found a planting record card saying the north half of the stand was planted to red pine and jack pine three times; 1920, 1925, and 1927. The stand set of the s
						Red Map	le	Low	>20 feet	Pole	south half of the stand was planted to jack pine and red pine in 1920.
						Balsam F	ir	High	Variable	Sapling	
						White Oa	ak	Trace	10 - 20 feet	Sapling	2016 YOE Notes: -#53-013-07-01, Twin Hardwood Red Pine, thinning
						White Pir	ne	Low	>20 feet	Pole	bought by Bisballe. -The pine is still pretty small at this point to consider a regeneration
											treatment. Let it grow a little more and consider treating during the next inventory cycle. -Trace of red oak, paper birch, red maple, white pine, and balsam fir in the overstory. Trace of fir, beech, and aspen in the understory regen.

Compartment: 35

Year of Entry: 2026

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Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	lite	General Comments
18	42110 - Pla	nted Red P	'ine S	Sawtimb	er Well	11.2	98	81-110	N/A		2026 YOE Notes: Soon to be cut; marked for timber sale. A few recently
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	dead red pines.
	Red Pine	95	Log/XLog	15	98	R	ed Pine	Low	Variable	Sapling	2016 YOE Notes: Moderate to high quality red pine stand. Last thinned
	White Pine	5	XLog/Log	20		Wł	nite Pine	Full	Variable	Sapling	2008 in the sale Twin Hardwood Red Pine (#53-013-07-01), bought by
						Wł	nite Pine	Medium	< 5 feet	Seeding	Bisballe. Regeneration is sparse throughout the stand except for some areas along Twin Lakes Road and along the eastern stand edge where
						Re	d Maple	Trace	Variable	Sapling	BAs are lower. Trace amounts of XL-sized natural red pine. A few white
						Re	ed Pine	Low	>20 feet	Pole	pine legacy trees, mostly along the east edge. Trace of red maple, whit
						Blac	ck Cherry	Full	Variable	Sapling	spruce, and beech poletimber. Average ba/acre from 8 plots = 91 squa feet. Mostly flat terrain. The north end of the stand borders an old borro
						R	ed Oak	Low	>20 feet	Log	pit.
						Ba	Isam Fir	Trace	Variable	Sapling	
						R	ed Oak	Trace	>20 feet	Sapling	Was PU3 in the 1996 sale Campground Blocks, where all merch trees except red pine, white pine, and oak were cut.
						E	Beech	Low	Variable	Sapling	except red pine, while pine, and oak were cut.
						Wł	nite Pine	Medium	>20 feet	Pole	Found a planting record card saying this area was planted to red pine,
						Whi	te Spruce	Low	>20 feet	Pole	white pine, and jack pine in 1920
19	42110 - Pla	nted Red P	'ine P	oletimb		33.8	37	141-170	N/A		2026 YOE Notes: Still a nice stand, definitely pole sized now. Trace white pine along the rd. Understory of blueberry, wintergreen, bracken
	Canopy Species	% Cover	Size Class		Age						fern.
	Red Pine	98	Pole	7	37						
	Jack Pine	1	Sapling	3							2016 YOE Notes: -Very close to being a pole stand. Developing nicely. -Stand was burned first, then planted to red pine in 1987.
	Quaking Aspen	1	Sapling	4							-Stand was burned linst, then planted to red plate in 1907.
											Twin Lakes Pine Clearcut sale in 1985
											Originally planted to jack pine in 1925
20	500	- Water		Nonsto	ocked	4.2	I	Unspecified	No		South Twin Lake
21	4310 - Pi	ne, Oak Mi	x S	Sawtimb	er Well	15.3	68	81-110	N/A		2026 YOE Notes: Standing dead jack pine. Wintergreen and blueberry
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	ground flora. Sharply slopes down to sinkhole lakes, but overall, gently slopes down to rd to the east. Numerous foot paths go down to sinkhole
	Red Maple	8	Pole/Log	8		R	ed Pine	Low	Variable	Sapling	lakes. Cored 9" white pine, 55 years. Cored a 15" red pine, 70 years.
	Bigtooth Aspen	17	Log/Pole	10		Wł	nite Pine	High	Variable	Sapling	More oak and bigtooth aspen on the west side of the lakes. Wider varie
	Red Oak	17	Log/Pole	10		Wł	nite Pine	Low	< 5 feet	Seeding	in diameter than expected. There are some much older-looking red and white pines present. BA swings of 100, 110.
	White Pine	22	Log/Pole/XLog	g 10							I write prices present. DA swings of 100, 110.
	Paper Birch	1	Pole	8							2016 YOE Notes: -Stand is a buffer for the Twin Lakes and will not be
	Red Pine	30	Log/Pole/XLog	g 13	68						managed. Steep slopes leading down to the sinkhole lakes.
	Jack Pine	5	Pole	8							
22	500	- Water		Nonsto	ocked	5.1	I	Unspecified	No		North Twin Lake

# Compartment: 35

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Year of Entry: 2026

Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	Year of Entry: 2026 General Comments
23	42110 - Plar	nted Red F	Pine	Sawtimbe	er Poor	14.7	100	81-110	N/A		2026 YOE Notes: Basically the same as the surrounding stands, but with
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	B Density	Avg. Height	Size	much younger subcanopy/trees growing up under red pine. The red pine canopy trees are shorter than expected. BA swings of 100, 80. There is a
	Red Pine	100	Log/Pole	12	100	Wh	ite Pine	Medium	>20 feet	Sapling	1.5 acre chunk along the western boundary that looks like it was never
						Re	ed Pine	Medium	>20 feet	Sapling	thinned; canopy trees are small diameter, almost no
						Ja	ck Pine	High	>20 feet	Sapling	understory/subcanopy; was this an old retention area?
											2016 YOE Notes: #53-010-96-01 Dead Horse Trail Blocks, bought by Georgia Pacific, all jack pine cut. A few clumps of denser red pine, but the jack pine understory is free to grow in most spots.
24	3105 - Mixed Up	land Herb	aceous	Nonsto	cked	3.0		Unspecified	No		Old well site, plugged in 2000. WLD attempting to make this a food plot
						Sub-Car	nopy Species	B Density	Avg. Height	Size	but it is a very sandy site. St Corwith 1-10, SWEPI LP
					_	Ja	ck Pine	Trace		Sapling	
25	4133 - Aspe			Sawtimbe		5.2	46	81-110	N/A		2026 YOE Notes: Overall, this stand has some of the better aspen quality in the area. The southwest area of this stand is different from the rest of
	Canopy Species % Cover Size Class		DBH	Age		Sub-Canopy Species D		Avg. Height	Size	it, and it contains part of the Off-site Hardwood Lake Equestrian	
	Red Pine	10	Log/XLog/Po				Beech	Low	Variable	Sapling	Campground: It's mostly log-sized conifers and red oaks, there's horse
	Bigtooth Aspen	45	Log/Pole	12	46		d Maple	High	Variable	Sapling	hitching areas within the forest, potential invasive species sprouting out of piles of horse dung (segmented tubular stems with fine bristles, about 3'
	Quaking Aspen	23	Pole/Log	8	46		ch Hazel	Low	5 - 10 feet	Tall Shrub	in height), and two wooden gravestones hammered 15' above the ground
	Red Maple	5	Pole	6		Wh	ite Pine	Medium	Variable	Sapling	in a red pine tree. Trace sugar maple and paper birch in the canopy. BA
	Jack Pine	2	Pole/Sapling	/							swings of 80, 120, 100
	White Pine	10	Log/XLog/Po								This stand was part of a non-commercial wildlife timber harvest in in
	Red Oak	5	Log/Pole	15							1978. The goal was to regenerate a high-quality aspen and birch stand (thicket) for wildlife. It sounds like everything except birch and black cherry was cut out of the stand at this time.
											2016 YOE Notes: Wait ten years, still a lot of small stems. -Inclusion of mature red pine adjacent to the large nonforested opening. Jack pine becomes more common as you move south in the stand. -Trace of red oak, white oak, and paper birch.
26	42220 - Nati	ural Jack F	Pine	Poletimb	er Well	44.1	27	1-50	N/A		2026 YOE Notes: Wide variety of white pine diameters; red pine
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	diameters consistent. The red pine and white pine log sized trees are short, branchy, and about 60 years old.2016 YOE Notes: #53-010-96-
	Red Pine	15	Log/XLog	16	60	Blac	k Cherry	Low	Variable	Tall Shrub	
	White Pine	10	Log/Pole	13	60			1 1			Pacific - Variable stocking. Quite a few open-grown and crooked jack
	Black Cherry	1	Pole	8							pine.Planting card records show this stand was planted to jack pine in 1925.
	Jack Pine	74	Pole/Sapling	a 6	27						

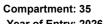
Stand       Level 4 Cvvr Type       Size Denity       Acra 's tand Age 'B A Range       Managed Size       General Comments         27       42290 - Natural Mixed Pine       Sautime Vent       15.1       5.4       81-110       N/A       2026 YOE Notes: Uneven-aged stand. The eastern prise is little different than the western portion that follows in the south 15% to 20% of the overstory is 3 pine (145* years oil), most of the XL, while pine is near the south 15% to 20% of the overstory is 3 pine (145* years oil), most of the XL, while pine is near wase and jack pine in 1925, and also had Ribes control per term of pine. About 15% to 20% of the overstory is 3 pine (145* years oil), most of the XL, while pine is near wase and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control per term of pine. Ty ears and jack pine in 1925, and also had Ribes control.         3 A color Pole       5 LogPole       7       5       5       5       6       Corde: 21.5* red pine. Ty ears and size within this stand, aged jack pine and aspen are more prevalent as you stand.       5       5       6       Corde: 21.5* red pine. Ty ears and seven as an ice visual bi	141
Canopy Species       % Cover       Size Class       DBH Age       10       Log/Pole       10       Log/Pole       10       Sub-Canopy Species       Density       Avg. Height       Size       Sise       Itile different than the western portion that follows more red price. About 15% to 20% of the overstory is 5         Red Maple       3       Pole       7       Red Pine       Low       Variable       Sapling         Quaking Aspen       1       Pole/Sapling       5       Red Pine       Low       Variable       Sapling         White Pine       25       Pole/Log/XLog       8       54         Red Oak       5       Log/Pole       12            Sapling	A. MICHIGAN
Canopy Species       % Cover       Size Class       DBH Age       Sub-Canopy Species       Density       Avg. Height       Size       more red pine. About 15% to 20% of the overstory is 3         Bigtooth Aspen       10       Log/Pole       10       Log/Pole       7       Image: Cover Size Class       Minte Prine       Saping       Size       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the Aut white pine is red pine. About 15% to 20% of the Aut white pine is red pine. About 15% to 20% of the Aut white pine is red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine. About 15% to 20% of the overstory is 3       more red pine.	
Bigtooth Aspen       10       Log/Pole       10       Red Pine       Low       Variable       Sapling       pine (145 <sup>+</sup> years old); most of the XL white pine is new or gene (adder that says this are wor gene (adder that says that see (adder that says that see (adder that says that are wor gene (a	
Number Hilds       Number Hilds       High       Variable       Stapping         Quaking Aspen       1       Pole/Sapling       5       Found a planting record card that says this area was plant and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine in 1925, and also had Ribes control performed and jack pine and jack pine and jack pine and aspen are more prevalent as you stand.         28       42110 - Planted Red Pine       Sawimber Well       17.7       98       111-140       N/A       206 YOE Notes: Variable diameters. Towerman's Wethough this stand.         28       42110 - Planted Red Pine       Sawimber Well       17.7       98       111-140       N/A       2026 YOE Notes: Variable diameters. Towerman's Wethore you cand probability with its stand.         2016 YOE Notes:       Pole f       6       Beech       Low       Variable       Sapling       2016 YOE Notes: A planted red pine stand of h	he road. The
Cluaring Aspend       I       Pole/Saping       5       Image: Control perform         White Pine       25       Pole/Log/XLog       8       70         Red Oak       5       Log/Pole       12       21.5" red pine, 145 years       21.5" red pine, 145 years         Jack Pine       6       Pole       7       2       3" red pine, 70 years       3" red pine, 70 years         Jack Pine       6       Pole       7       2       3" red pine, 70 years       8" red pine, 70 years         Jack Pine       6       Pole       7       2       3" red pine, 70 years       8         Standard       5       Log/Subscription       7       2       206 YOE Notes: Wide mix of sizes within this stand, aged. Jack pine and aspen are more prevalent as you stand.       -This stand serves as a nice visual buffer and should be for now stand.         218       42110 - Plant=/       Sub-Canopy Species       Density       Avg. Height       Size         Balsam Fir       1       Pole       6       Sub-Canopy Species       Density       Avg. Height       Size         Bigtooth Aspen       1       Pole       7       9       Red Pine       Low       Variable       Sapling         White Pine       Full       Variable       Sapling	
White Pine25Pole/Log/XLog870Red Pine50Pole/Log/XLog854Red Oak5Log/Pole12Jack Pine6Pole7Jack Pine6Pole7Stark Pine6Pole7Stark Pine6Pole7Stark Pine6Pole7Stark Pine6Pole7Stark Pine6Pole7Stark Pine6Pole7Stark Pine78111-140Stark PineSavings of 110, 100, 130.Looks similar to stand 43; was it also planted/harvester time? Should have some sort of harvest record2016 YOE Notes: Wide mix of sizes within this stand, aged. Jack pine and aspen are more prevalent as you stand. -This stand serves as a nice visual buffer and should to for now.2842110 - Planted Red PineSavtimber Well17.798111-140N/ACanopy SpeciesK CoverSize ClassDBH Age Basam Fir1Pole6Red Pine1Pole6BeechLowVariableSaplingBigtooth Aspen1Pole798Red PineLowVariableSaplingBigtooth Aspen1Pole798Red PineLowVariableSaplingWhite PineFullVariableSaplingVor could probably freak this into 2 separate stand of highly vor vor could probably freak this into 2 separate stand stand separate s	med in 1957
Red Oak5Log/Pole12Jack Pine6Pole7Jack Pine6Pole7Jack Pine6Pole7Start Pine, 54 years9.5" white pine, 72 yearsStart Pine, 54 years9.5" white pine, 70 yearsBA swings of 110, 100, 130.Looks similar to stand 43; was it also planted/harvestetime? Should have some sort of harvest record2016 YOE Notes: Wide mix of sizes within this stand, aged. Jack pine and aspen are more prevalent as you standThis stand serves as a nice visual buffer and should t for now.2842110 - Planted Red PineSawtimber Well17.798111-140N/A2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand.Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeBalsam Fir1Pole6BeechLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingNothYear our our our outport poly by break this into 2 separate stands of highly variableSaplingYear ouc outport poly by break this into 2 separate stands of highly variableYear outport poly1Pole7White PineFullVariableSaplingYear outport poly by break this into 2 separate stands of highly variableYear poly break this into 2 separate stands of highly variableYear poly	
Red Oak5Log/Pole12Jack Pine6Pole7Jack Pine6Pole7S" white pine, 70 years9.5" white pine, 70 yearsBA swings of 110, 100, 130.Looks similar to stand 43; was it also planted/harveste time? Should have some sort of harvest record2016 YOE Notes: Wide mix of sizes within this stand, aged. Jack pine and aspen are more prevalent as you stand. -This stand serves as a nice visual buffer and should t for now.2842110 - Planted Red PineSawtimber Weil17.798111-140N/A2026 YOE Notes: Variable diameters. Towerman's Wat through this stand. -This stand serves as a nice visual buffer and should t for now.2842110 - Planted Red PineSawtimber Weil17.798111-140N/A2026 YOE Notes: Variable diameters. Towerman's Wat through this stand. 2016 YOE Notes: A planted red pine stand of highly variableBalsam Fir1Pole6BeechLowVariableSapling Bigtooth Aspen2016 YOE Notes: A planted red pine stand of highly variableBigtooth Aspen1Pole7White PineFullVariableSapling Vou could probably break this into 2 separate stand of nightly variable	
Jack Pine6Pole713" red pine, 54 years 9.5" while pine, 70 yearsBalsam Fir1Pole717.798111-140N/A2842110 - Planted Red PineSawtimber Well17.798111-140N/A2842110 - Planted Red PineSawtimber Well17.798111-140N/A2016 YOE Notes:Viable diameters. Towerman's Well1Pole6BeechLowVariableSaplingBalsam Fir1Pole6BeechLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSapling Variable2016 YOE Notes: A planted red pine stand of highly variable9.5Woite Pine10White PineFullVariableSapling Variable2016 YOE Notes: A planted red pine stand of highly variable016 YOE Notes:1Pole7White PineFullVariableSapling Variable2016 YOE Notes: A planted red pine stand of highly variable016 YOE Notes:1Pole7White PineFullVariableSapling You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2 separate stand of You could probably break this into 2	
28       42110 - Planted Red Pine       Sawtimber Well       17.7       98       111-140       N/A       2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand, aged. Jack pine and aspen are more prevalent as you stand. -This stand serves as a nice visual buffer and should the for now.         28       42110 - Planted Red Pine       Sawtimber Well       17.7       98       111-140       N/A       2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand. -This stand.         E       Balsam Fir       1       Pole       6       Beech       Low       Variable       Sapling         Bigtooth Aspen       1       Pole       7       White Pine       Full       Variable       Sapling	
Zak 42110 - Planted Red Pine       Sawtimber Weil       17.7       98       111-140       N/A       2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand, aged. Jack pine and aspen are more prevalent as you stand.         Zanopy Species       % Cover Size Class       DBH Age       Sub-Canopy Species       Density       Avg. Height       Size       2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand.         E       Balsam Fir       1       Pole       6       Beech       Low       Variable       Sapling         Red Pine       76       Log/XLog/Pole       12       98       Red Pine       Low       Variable       Sapling         Bigtooth Aspen       1       Pole       7       White Pine       Full       Variable       Sapling         Vou could probably break this into 2 separate stands       1       Pole       7       White Pine       Full       Variable       Sapling	
time? Should have some sort of harvest record2842110 - Planted Red PineSawtimber Well17.798111-140N/A2026 YOE Notes: Wide mix of sizes within this stand, aged. Jack pine and aspen are more prevalent as you stand. -This stand serves as a nice visual buffer and should the for now.2842110 - Planted Red PineSawtimber Well17.798111-140N/A2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand. -This stand serves as a nice visual buffer and should the for now.2842110 - Planted Red Pine1Pole62026 YOE Notes: Variable diameters. Towerman's Wathrough this stand.Balsam Fir1Pole6BeechLowVariableSaplingRed Pine76Log/XLog/Pole1298Red PineLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSapling30), where everything was cut except for red pine, w You could probably break this into 2 separate stands (	
aged. Jack pine and aspen are more prevalent as you stand. -This stand serves as a nice visual buffer and should the for now.         28       42110 - Planted Red Pine       Sawtimber Well       17.7       98       111-140       N/A       2026 YOE Notes: Variable diameters. Towerman's Wathrough this stand.         Earlier Med Pine       1       Pole       6       6       Beech       Low       Variable       Sapling       2016 YOE Notes: A planted red pine stand of highly variable diameters. Towerman's Wathrough this stand.         Bigtooth Aspen       1       Pole       7       98       Red Pine       Low       Variable       Sapling       2016 YOE Notes: A planted red pine stand of highly variable diameters. Towerman's Wathrough this stand.         Bigtooth Aspen       1       Pole       7       98       Red Pine       Low       Variable       Sapling       2016 YOE Notes: A planted red pine stand of highly variable diameters. Towerman's Wathrough this stand.	at the same
Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeBalsam Fir1Pole6BeechLowVariableSapling2016 YOE Notes: A planted red pine stand of highly variableRed Pine76Log/XLog/Pole1298Red PineLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingSub-Canopy SpeciesDensityAvg. HeightSizeSaplingNormal Control1298Red PineLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingSub-Canopy SpeciesFullVariableSaplingSapling	
Canopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeBalsam Fir1Pole6BeechLowVariableSaplingRed Pine76Log/XLog/Pole1298Red PineLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingSize1Pole7White PineFullVariableSaplingSub-Canopy SpeciesDensityAvg. HeightSize2016 YOE Notes: A planted red pine stand of highly variableBigtooth Aspen1Pole7White PineFullVariableSaplingSub-Canopy SpeciesDensityAvg. HeightSaplingSaplingSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy SpeciesSaplingSaplingSaplingSaplingSaplingSub-Canopy Sp	ove south in the
Red Pine76Log/XLog/Pole1298Red PineLowVariableSaplingBigtooth Aspen1Pole7White PineFullVariableSaplingSaplingAJD), where everything was cut except for red pine, w You could probably break this into 2 separate stands (	ove south in the
Bigtooth Aspen     1     Pole     7     White Pine     Full     Variable     Sapling       You could probably break this into 2 separate stands (	ove south in the
Bigtooth Aspen 1 Pole 7 vivile Pine Full Variable Saping You could probably break this into 2 separate stands (	ove south in the left unmanaged h pathway runs able stocking du
	ove south in the left unmanaged h pathway runs able stocking du ack Pine Sale,
Red Maple 1 Pole 5 Balsam Fir Low Variable Sapling imagery) as the east half of the stand is mostly dense	ove south in the left unmanaged h pathway runs able stocking du ack Pine Sale, e pine, and oak
Jack Pine 5 Pole/Sapling 6 Black Cherry Medium Variable Tall Shrub half is a mix of scattered residual red pine and younge	ove south in the left unmanaged h pathway runs able stocking du ack Pine Sale, e pine, and oak e 98DOQ
White Pine         15         Pole/Sap/Log         7         37         Jack Pine         Low         Variable         Sapling         pine and jack pine poletimber that regenerated after the poletimber that pole	ove south in the left unmanaged h pathway runs able stocking du ack Pine Sale, e pine, and oak e 98DOQ 9, while the wes batches of white
Red Oak     1     Log     13	ove south in the left unmanaged h pathway runs able stocking du ack Pine Sale, e pine, and oak e 98DOQ 9, while the wes vatches of white species remova

Compartment: 35 Year of Entry: 2026

OF NATURAL PRIMARY
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Stand	Level 4 C	over Type	s	ize De	ensity	Acres	Stand Age	BA Range	Managed	Site	General Comments
29	4133 - Aspe	en, Mixed Pi	ne Pole	etimbe	r Medium	4.7	36	1-50	N/A		2026 YOE Notes: A patch of aspen regen, towering over white pine and
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	jack pine. Could probably combine with stand 39 and count it as in inclusion. BA average of 50.2016 YOE Notes: #53-011-87-01, Twin
	Red Pine	5	Log/Pole	10		Ja	ick Pine	High	10 - 20 feet	Sapling	Lakes Burn Salvage, bought by Ralph Walker. Stand burned in 1987 in a
	Jack Pine	5	Pole	6		WI	nite Pine	High	10 - 20 feet	Sapling	wildfire and was subsequently put up for a salvage harvest.
	Bigtooth Aspen	30	Pole	7		Bla	ck Cherry	Low	Variable	Tall Shrub	
	White Pine	10	Pole/Log	9							-
	Quaking Aspen	50	Sapling/Pole	4	36						
30	3105 - Mixed U	pland Herba	iceous	Nonst	ocked	1.1		Unspecified	No		
31	6230	- Cattail		Nonst	ocked	1.0	0	Unspecified	No		Sudden pocket of standing water and cattails surrounded by willow
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						Ca	ttail spp.	High	Unspecified	Non-Wood	
						Wi	llow spp.	Medium	5 - 10 feet	Sapling	
32	42290 - Natu	ural Mixed P	'ine Po	oletimt	er Well	14.8	37	51-80	N/A		2026 YOE Notes:Scattered supercanopy white pine and red pine logs,
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	maybe 15% of canopy is log-sized trees. Variety of white pine diameters. Most of the canopy white pines are pole-sized. BA swings of 110 and 40.
	Red Pine	13	Pole/Log/Sap	7		Bla	ck Cherry	Low	< 5 feet	Seeding	Historically, beaver have harvested a lot of the aspen.
	Jack Pine	25	Pole	7		WI	nite Pine	Low	< 5 feet	Seeding	
	Balsam Fir	5	Pole	6		Ba	lsam Fir	Low	< 5 feet	Seeding	Western portion of this stand may be as follows: found a planting record card saying this area was planted to red pine and jack pine in 1921
	Quaking Aspen	1	Sapling/Pole	4	37	R	ed Pine	Low	< 5 feet	Seeding	
	Black Cherry	1	Sapling	1							2016 YOE Notes: #53-005-86-01, Twin Lakes Pine Clearcut, bought by
	White Pine	55	Pole/Sap/Log	9	37						Larry Bayaham. Everything cut except white pine, red pine, and oak. Scattered pockets of R9/W9, especially in the southern part of the stand.
											Trace of red oak. This was previously called an A3 but there is hardly any aspen in it.
33	629 - Mixed nor	n-forested w	retland	Nonst	ocked	6.2		Unspecified	No		2026 YOE Notes: Southern portion of this stand is a lowland sedge field Jull of the standing skeletons of conifers. A few open pockets of water.
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	Small stream runs north through this stand. Random rock pile (old road?)
							Alder	Trace		Tall Shrub	running east/west at middle of stand. Several beaver dams throughout.
											From imagery, ponded areas vary in water amounts from year to year. Spruce, tag alder, white pine, and balsam fir on edges. Found tree stand and some recently cut saplings around the tree stand.

#### Report 7 – Stands



FNATURA

	Pigeon River C	Country Mg	gt. Unit				Rep	ort 7 – Sta	ands		Compartment: 35 Year of Entry: 2026
Stand	Level 4 C	over Type	S	ize Do	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
34	42110 - Pla	inted Red F	Pine Sa	wtim	er Well	33.8	91	141-170	N/A		2026 YOE Notes: Variable stand, red pine diameter highly variable.
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Despite variety in red pine sizes, they are the same age. Just to check, I cored a 17.5" rp (91 yrs) and 12.5" rp (87 yrs). Red pine taller towards
	White Pine	1	Pole/Log	9		Re	ed Oak	Low	>20 feet	Sapling	west half. More deciduous trees in overstory in the west as well. Close to
	Paper Birch	1	Pole/Log	9		Re	ed Pine	Low	Variable	Sapling	the west edge, fewer log sized trees in canopy. BA swings of 180, 100,
	Quaking Aspen	1	Pole	7		Wh	nite Oak	Trace	>20 feet	Sapling	and 150.
	Red Pine	92	Log/XLog/Pole	17	91	Bal	lsam Fir	Medium	>20 feet	Sapling	2016 YOE Notes: #53-008-86-01, Oswood Jack Pine Sale, bought by
	Red Oak	2	XLog/Log	20		Ja	ck Pine	Low	>20 feet	Sapling	AJD. All jack pine was removed from stand. As a result, stocking is highly
	Red Maple	3	Pole	7		Wh	nite Pine	Medium	Variable	Sapling	variable. In general, the eastern half of the stand has lower stocking. -Consider a treatment in ten years, possibly a clearcut and replant, along
					I	Blac	k Cherry	Medium	Variable	Sapling	with stand 17 to the north.
						Re	ed Pine	Low	< 5 feet	Seeding	
35	42200 - Nati	ural White	Pine Po	letim	oer Well	4.7	37	81-110	N/A		2026 YOE Notes: Towermans' Watch Pathway runs through stand. Varying diameters. More aspen in south. Borderline log stand.
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	varying diameters, more aspen in south, boldenine log stand.
	Balsam Fir	7	Pole/Sap/Log	8		Wh	nite Pine	Low	Variable	Sapling	2016 YOE Notes: -#53-008-86-01, Oswood Jack Pine Sale, bought by
	Quaking Aspen	3	Sapling/Pole	4		Blac	k Cherry	High	5 - 10 feet	Sapling	AJD. Looks like everything except red and white pine was cut.
	Red Pine	5	Log/Pole/Sap	10							
	Jack Pine	10	Pole/Sapling	5	37						
	White Pine	70	Pole/Log/Sap	9	37						
	White Spruce	5	Pole	5							
36	6129 - Mixed Conif	erous Low	land Forest Pole	timbe	r Mediun	n 1.4	117	51-80	N/A		Low quality
	Canopy Species	% Cove	r Size Class	DBł	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	12	Pole	7		Bal	lsam Fir	High	Variable	Sapling	-
No	rthern White Cedar	44	Pole/Log	8	117	Та	g Alder	High	10 - 20 feet	Tall Shrub	
	Balsam Fir	7	Pole	7				·			-
	White Spruce	30	Pole/Log	8							
	Red Maple	7	Pole/Sapling	6							
37	320 - Up	and Shrub	o I	Nonst	ocked	1.1	0 U	Inspecified	No		
38	42110 - Pla				oer Well	39.8		141-170	N/A		2026 YOE Notes: Crowns starting to get small. Very consistent stand. Trace white pine in canopy, and trace balsam fir in subcanopy. Cut in
	Canopy Species		r Size Class		I Age		nopy Species	-	Avg. Height	Size	1984 Jack Pine Velvet sale (clearcut).
	Red Pine	95	Pole	7	39	Blac	k Cherry	Low	Variable	Tall Shrub	
	Jack Pine	5	Pole	7							2016 YOE Notes: Looks good. Planting card records show this stand was planted to jack pine in 1924

ZUTO YOE NOLES. LOOKS good.	
Planting card records show this stand was planted to	jack pine in 1924

Compartment: 35

Year of Entry: 2026

DNR

Stanc	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
39	42220 - Nat	ural Jack P	ine	Sapling	Well	82.9	35	1-50	N/A		2026 YOE Notes: Plow lines still exist from wildfire. Stand just bumped
	Canopy Species	% Cover	Size Class	DBH	Age						into pole class. Trace amounts of white pine seedlings. A few patches of lower density in the south; will find a bit more diversity: trace white pine
	Jack Pine	95	Pole/Sapling	5	35						XL trees, more white pine and red pine in general. BA swings of 20,
	Red Pine	2	Log/Pole	10							40.2016 YOE Notes: Stand burned in a wildfire and then was
	White Pine	3	Sapling	4							subsequently salvaged. Twin Lakes Burn Salvage, #53-011-87-01, bought by Ralph WalkerQuite a few broken tops from a heavy snowstorm in 2012Good looking jack pine stand.
40	42110 - Pla	nted Red P	ine F	Poletimb	er Well	33.2	39	81-110	N/A		2026 YOE Notes: 90 BA average.
40						00.2	00	01 110	14/7		
	Canopy Species		Size Class		Age						Found a planting record card saying western half of this stand was
	Jack Pine Red Pine	4 96	Sapling/Pole Pole	4 6	39						planted to jack pine in 1925
											2016 YOE Notes: #53-025-84-01, Jack Pine Velvet, jack pine clearcut bought by Champion. Planted to red pine in 1985. -Trace of white pine.
41	42210 - Nat	tural Red Pi	ne F	Poletimb	er Well	17.8	101	81-110	N/A		2026 YOE Notes: Stand is similar in structure to stand 50, but replace a
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	white pine poles with jack pine. The poles are far less dense, too. More white pine and red pine in subcanopy north of hardwood lake rd. Most c
	White Pine	1	Log	10		Ja	ck Pine	Low	>20 feet	Sapling	the BA in the stand is from the red pine. BA swings of 100, 90.
	Red Pine	60	XLog/Log	18	101	W	nite Pine	Low	>20 feet	Pole	
	Red Maple	4	Log/Pole	10		W	nite Pine	Medium	Variable	Sapling	Found a planting record card saying northern half of this stand was planted to jack pine in 1925
		35	Pole/Log	9	47	R	ed Pine	Medium	Variable	Sapling	
	Jack Pine	00									
	Jack Pine	00	0			Blac	ck Cherry	Low	Variable	Sapling	2016 YOE Notes: #53-039-76, bought by Glawe, all jack pine cut. -Mix of log-sized red pine and pole/sap jack pine that is just starting to reach a merchantable size. Prescribe a treatment when the jack pine has

Compartment: 35 Year of Entry: 2026

Stand	Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
43	42140 - Plar	nted Mixed	Pine Sa	awtimb	er Well	79.5	80	81-110	N/A		2026 YOE Notes: Diverse sizes; uneven aged stand. Jack pine and aspen far more prevalent in the south and east portions of the stand
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspential more prevalent in the south and east politions of the stand
	Quaking Aspen	2	Pole	6		W	hite Pine	High	Variable	Sapling	The red pine poles/small logs and the few log/pole jack pine are 48 years old via the planting record. But the rest of the trees in here are quite a
	White Pine	37	Pole/Sap/Log	6	39						mix: cored:
	Jack Pine	22	Pole/Log/Sap	6	48						17" red pine, 80 years
	Red Pine	39	Log/Pole/XLog	13	80						6" white pine, 39 years
											21" red pine, 150+ years (core broke)
											About 10% of the canopy is old-growth/legacy trees
											And there are some absolutely massive white pines (I did not core these, borer would not reach), around 34" dbh.
											The XL red pine (23" dbh avg) and white pines (29" dbh avg) make up about 10% of the canopy; about 4% of the canopy are XL red pines, and 6% of the canopy is XL white pines; MIfi is not letting me accurately represent the data for the white pines.
											This stand is technically log-sized, given that over 30% of the canopy trees are log-sized. But between all the log-sized tree crowns, the space is full of pole/sap-sized tree crowns.
											Southeast portion of the stand was planted to red pine in 1976. A prescribed burn was proposed for the same area in 1973, but I can't find records to indicate that it happened, just that it was proposed.
											Planting card sayings the west portion of this stand was planted to jack pine in 1925 (SE1/4 of NE1/4 sec 10)
											Found a planting record card saying that the southwest finger of this stand was planted to jack pine in 1925
											2016 YOE Notes: Fairly unique stand that is just reaching poletimber size. Records indicate this stand was planted in 1976 (red pine and jack pine were planted). However there is a good representation of supercanopy red and white pine, including scattered pockets of R9. Sap/pole-sized white pine is natural regen, the jack pine and red pine saps/poles were planted. White pine is most prevalent in the NW1/3 of the stand (west of Road 66).
45	4132 - Asp				er Well	4.6	35	1-50	N/A		2026 YOE Notes: similar to stand 29, the other aspen stand within the greater jack pine stand.
	Canopy Species	% Cover	Size Class		l Age		nopy Species	Density	Avg. Height	Size	-Stand burned in a wildfire and then was salvaged. Twin Lakes Burn
	Quaking Aspen	65	Sapling/Pole	4	35		hite Pine	High	Variable	Sapling	Salvage, #53-011-87-01, bought by Ralph Walker.
	Jack Pine	35	Pole/Sapling	5		Bla	ck Cherry	Low	< 5 feet	Tall Shrub	-Scattered aspen mortality, pockets of hypoxlyon canker.



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tand	Level 4 Co	over Type	S	Size De	nsity	Acres S	Stand Age B	A Range	Managed	Site	General Comments
46	42200 - Natu	ural White	Pine Po	oletimb	er Well	5.1	48	81-110	N/A		2026 YOE Notes: could include as part of surrounding stand if desired.
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Pine	13	Log/Pole	11			te Pine	Medium	Variable	Sapling	
	Red Maple	7	Pole/Sapling	5							
	Jack Pine	20	Pole	7							
	White Pine	60	Pole/Log	8	48						
.9	42200 - Natu	iral White	Pine Sav	vtimbei	Medium	n 9.1	91	51-80	N/A		2026 YOE Notes: Expanded stand boundaries; species change seems
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	airly distinct, especially on eastern edge of stand. Goes from northern hardwoods into oak/pine/aspen. Sudden increase of white pine in
	Ironwood	1	Pole	6		Black	Cherry	Medium	Variable	Sapling	subcanopy, too. A few pockets of saplings, no overstory.
	Sugar Maple	1	Log/Pole	10		Jac	k Pine	Medium	Variable	Sapling	
	Red Oak	10	XLog/Log/Pole	18		Iron	nwood	High	Variable	Sapling	2016 YOE Notes: -Small clump of bigtooth aspen at SE corner of stand
	Red Maple	3	Log	12		Be	eech	Low	Variable	Sapling	
	Quaking Aspen	5	Log/Pole	10		Whit	te Pine	Full	Variable	Sapling	
	Bigtooth Aspen	5	Log	14							1
	White Pine	75	Log/XLog/Pole	17	91						
50	42290 - Natu	ıral Mixed	Pine Sa	awtimb	er Well	15.2	100	81-110	N/A		2026 YOE Notes: The saplings/poles of white pine are just touching the
	Canopy Species	% Cove	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	red pine canopy. Average white pine pole diam = 7.5"dbh. Log-sized white pines show up in eastern half of stand. Canopy trees taller in eastern
	White Pine	47	Pole/Log/XLog	9	46	Black	Cherry	Low	5 - 10 feet	Sapling	half of stand. BA swings of 90, 100, 110. Southwest corner of stand
	Red Maple	1	Pole	8		Jacl	k Pine	Low	Variable	Sapling	more open, full of saplings.
	Red Oak	1	Log	14		Whit	te Pine	High	Variable	Sapling	2016 YOE Notes: #53-013-77, all jack pine and aspen cut out. As a
	Jack Pine	1	Pole	6	46						result, the stocking is quite variable. Jack pine is most prevalent in the
	Red Pine	50	XLog/Log/Pole	18	100						NW part of the stand. White pine is concentrated mainly in the SE 1/4 of the stand.
51	3205 - Mixed	l Upland S	hrub	Nonsto	ocked	2.3	U	nspecified	No		2026 YOE Notes: becoming forested; white pine seedlings seeding
						Sub-Can	opy Species	Density	Avg. Height	Size	in2016 YOE Notes: Filling in with white pine
						Jac	k Pine	Low	Unspecified	Seeding	
						Bigtoo	th Aspen	Low	Unspecified	Log	1
						Whit	te Pine	Low	Unspecified	Seeding	
						Whit	te Pine	Medium		Sapling	
						Whit	te Pine	Medium	Unspecified	Log	1
						Brack	en Fern	High	Unspecified	Non-Wood	1
						Black	Cherry	High		Tall Shrub	



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Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
52	4130	- Aspen	Po	letimb	er Well	15.7	35	51-80	N/A		2026 YOE Notes: Hilly/sloped terrain.2016 YOE Notes: Twin Lakes
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Burn Salvage, #53-011-87-01, bought by Ralph WalkerAspen becomes much smaller and pine more numerous at the south end of the
	Red Maple	1	Pole/Sapling	5		Blac	ck Cherry	Medium	Variable	Sapling	standTrace of red pine and white pine.
	White Oak	1	Pole	5		Wh	nite Pine	Full	Variable	Sapling	
	Black Cherry	1	Sapling	3		Irc	onwood	Low	Variable	Sapling	
	Quaking Aspen	70	Pole/Sapling	5	35	Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Pine	8	Pole/Log	9		Re	ed Pine	Low	Variable	Sapling	
	White Pine	3	Pole/Log/Sap	7							1
	Bigtooth Aspen	15	Pole	6							
	Jack Pine	1	Pole	6							
53	42110 - Plai				er Well	16.4	36	141-170	N/A		2026 YOE Notes: More quaking aspen on edges.
	Canopy Species		Size Class		l Age						2016 YOE Notes: #53-001-86-01, Hardwood Lake Jack Pine, clearcut
	Quaking Aspen	15	Pole/Sapling	5							bought by U.S. Plywood Corp., replanted to red pine in 1988. Scattered
	Jack Pine	5	Pole/Sapling	5							pockets of aspen have made it to the overstory.
	Red Pine	79	Pole	8	36						
	Real line	19	I UIC	-	50						
	White Pine	1	Log/Pole/Sap	14	50						
54		1	Log/Pole/Sap	-		9.1	U	nspecified	No		Big open field; southern fifth of it looks like it's regularly mowed and/or
54	White Pine	1	Log/Pole/Sap	14				nspecified <b>Density</b>		Size	vegetation has been removed down to bare sand, and has rock-ringed
54	White Pine	1	Log/Pole/Sap	14		Sub-Ca	U nopy Species ck Pine	Density	No Avg. Height		vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th
54	White Pine	1	Log/Pole/Sap	14		Sub-Ca	nopy Species	•		Size Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th
54 55	White Pine	1 Dland Herb	Log/Pole/Sap aceous	14 Nonsta		Sub-Cai Ja	nopy Species ck Pine	Density			vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks.
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha	1 Dland Herb	Log/Pole/Sap aceous	14 Nonsto	ocked	Sub-Car Ja 17.2	nopy Species ck Pine	Density Trace	Avg. Height		vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase
-	White Pine 3105 - Mixed Up	1 Dland Herb	Log/Pole/Sap aceous N ssociation Sa	14 Nonsto	ocked er Well	Sub-Car Ja 17.2 Sub-Car	nopy Species ck Pine 95	Density Trace	Avg. Height	Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks.
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species	1 Dland Herb ard Mast A % Cover	Log/Pole/Sap aceous M ssociation Sa	14 Nonsto wtimb	ocked er Well	Sub-Car Ja 17.2 Sub-Car Wh	nopy Species ck Pine 95 nopy Species	Density Trace	Avg. Height N/A Avg. Height	Sapling Size	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species Ironwood	1 Dland Herb ard Mast A % Cover	Log/Pole/Sap aceous M ssociation Sa Size Class Pole	14 Nonsto wtimb DBH 9	ocked er Well	Sub-Car Ja 17.2 Sub-Car Wh	nopy Species ck Pine 95 nopy Species nite Pine	Density Trace 111-140 Density Low	Avg. Height N/A Avg. Height < 5 feet	Sapling Size Seeding Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some white pine are in the interior of the stand. Many of the maples have cat face stumps. BA swings of 110, 200, and 90 (133 avg).
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species Ironwood White Pine Red Maple	1 Deland Herb ard Mast A % Cover 1 8	Log/Pole/Sap aceous n ssociation Sa Size Class Pole XLog/Log/Pole Log/XLog	Vonsto wtimb DBH 9 22 17	ocked er Well	Sub-Car Ja 17.2 Sub-Car Wr E Sug	nopy Species ck Pine 95 nopy Species nite Pine Beech	Density Trace 111-140 Density Low Medium	Avg. Height N/A Avg. Height < 5 feet 10 - 20 feet	Sapling Size Seeding Sapling Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some white pine are in the interior of the stand. Many of the maples have cat face stumps. BA swings of 110, 200, and 90 (133 avg). Burned in wildfire in 1986, then salvage harvested (Burnt Offerings sale
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species Ironwood White Pine	ard Mast A % Cover 1 8 2	Log/Pole/Sap aceous N ssociation Sa Size Class Pole XLog/Log/Pole Log/XLog Log/Pole/XLog	14 Nonsta wtimb DBH 9 22	er Well	Sub-Car Ja 17.2 Sub-Car Wh E Sug Irc	nopy Species ck Pine 95 nopy Species hite Pine Beech ar Maple onwood	Density Trace 111-140 Density Low Medium Low Low Full	Avg. Height N/A Avg. Height < 5 feet 10 - 20 feet >20 feet	Sapling Size Seeding Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some white pine are in the interior of the stand. Many of the maples have cat face stumps. BA swings of 110, 200, and 90 (133 avg). Burned in wildfire in 1986, then salvage harvested (Burnt Offerings sale 1988; selection harvest; marked to cut and/or girdle). Thinned by hand
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species Ironwood White Pine Red Maple Sugar Maple Red Pine	ard Mast A % Cover 1 8 2 40 3	Log/Pole/Sap aceous A ssociation Sa Size Class Pole XLog/Log/Pole Log/XLog Log/Pole/XLog Log	14 Nonsto UBH 9 22 17 12 16	er Well	Sub-Car Ja 17.2 Sub-Car Wh E Sug Irc Servicebe	nopy Species ck Pine 95 nopy Species nite Pine Beech ar Maple onwood rry (Juneberry)	Density       Trace       111-140       Density       Low       Medium       Low       Full       Low	Avg. Height N/A Avg. Height < 5 feet 10 - 20 feet >20 feet >20 feet 5 - 10 feet	Sapling Size Seeding Sapling Sapling Tall Shrub	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some white pine are in the interior of the stand. Many of the maples have cat face stumps. BA swings of 110, 200, and 90 (133 avg). Burned in wildfire in 1986, then salvage harvested (Burnt Offerings sale 1988; selection harvest; marked to cut and/or girdle). Thinned by hand with chainsaw in 1977; took stand from 130 BA to 80 BA.
-	White Pine 3105 - Mixed Up 4111 - S.Maple, Ha Canopy Species Ironwood White Pine Red Maple Sugar Maple	ard Mast A % Cover 1 8 2 40	Log/Pole/Sap aceous N ssociation Sa Size Class Pole XLog/Log/Pole Log/XLog Log/Pole/XLog	14 Nonsta Wtimb 9 22 17 12	er Well	Sub-Car Ja 17.2 Sub-Car Wh E Sug Irc Servicebe	nopy Species ck Pine 95 nopy Species hite Pine Beech ar Maple onwood	Density Trace 111-140 Density Low Medium Low Low Full	Avg. Height N/A Avg. Height < 5 feet 10 - 20 feet >20 feet >20 feet	Sapling Size Seeding Sapling Sapling Sapling	vegetation has been removed down to bare sand, and has rock-ringed fire pits; part of the off-site Hardwood Lake Equestrian Campground. Th rest of this stand is full of spotted knapweed, and there's some sort of a plow line going around it. 2026 YOE Notes: Nice hardwood stand, some massive red oaks. Subcanopy white pine increases towards the north. Oaks also increase towards the north/northwest. Most overstory pine on edges, but some white pine are in the interior of the stand. Many of the maples have cat- face stumps. BA swings of 110, 200, and 90 (133 avg). Burned in wildfire in 1986, then salvage harvested (Burnt Offerings sale 1988; selection harvest; marked to cut and/or girdle). Thinned by hand

DNR

Year of Entry: 2026

tano	d Level 4 C	over Type	Si	ze De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
56	4310 - Pi	ne, Oak Mi	ix Sa	wtimb	er Poor	18.7	83	1-50	N/A		2026 YOE Notes: Has parking area. Some massive white pines on edge
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of lowland. Jack pine dead and dying, but white pine coming up underneath. Lots of jack pine snags and ddw. Next inventory cycle, white
	Red Pine	10	Log	15		WI	nite Pine	Full	Variable	Sapling	pine saps may become overstory. Sheep laurel ground flora. BA swings
	White Pine	23	XLog/Log	20		Whi	te Spruce	Low	>20 feet	Pole	of 20, 30, and 50.
	Quaking Aspen	2	Log	15			Beech	Medium	Variable	Sapling	2016 YOE Notes: -Stand is a nice buffer for Hardwood Lake. Jack pine i
	Paper Birch	5	Pole	8		R	ed Pine	Low	Variable	Sapling	starting to fall over. Leave unmanaged.
	Jack Pine	25	Pole/Log	9	83	WI	nite Pine	Low	>20 feet	Pole	-Trace of paper birch.
	Red Oak	15	Log/Pole/XLog	16		Re	d Maple	High	>20 feet	Pole	
	Bigtooth Aspen	15	Log/Pole	15							
	Red Maple	5	Log/Pole	10							
57	4311 - Pin	e, Aspen N	<i>l</i> ix Po	letimb	er Well	6.7	46	81-110	N/A		2026 YOE Notes: Very poorly formed aspen, but the quality gets better
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the westmost third of the stand. More large conifers and diversity in the NE/N portion of the stand. XL red pine and white pine present, but in low
	Red Pine	12	XLog/Log/Pole	20	99	WI	nite Pine	Full	Variable	Sapling	numbers (not enough to call this a two-aged stand), and more numerous
	Jack Pine	8	Pole/Log/Sap	7		WI	nite Pine	Low	< 5 feet	Seeding	in the north. I separated the original stand in two, since the quality of
	White Oak	1	XLog	20		R	ed Pine	Medium	Variable	Sapling	aspen north of the equestrian trail is of much higher quality and different composition. 110 BA on avg.
	Red Maple	1	Pole/Log	9		R	ed Pine	Low	< 5 feet	Seeding	
	Red Oak	1	Log	10			Beech	Low	Variable	Sapling	2016 YOE Notes: Wait ten years, still a lot of small stems.
	Bigtooth Aspen	2	Pole	8					I		Inclusion of mature red pine adjacent to the large nonforested opening. Jack pine becomes more common as you move south in the stand.
	White Pine	35	Pole/Log/XLog	9							-Trace of red oak, white oak, and paper birch.
	Quaking Aspen	40	Pole/Log	7	46						
8	42110 - Pla	nted Red F	Pine Sa	wtimb	er Well	3.1	95	51-80	N/A		2026 YOE Notes: Red pine strip with small saplings underneath. Part of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the surrounding rx burns.
	Red Pine	100	XLog/Log	20	95	Ire	onwood	Full	< 5 feet	Sapling	In 1996 (Final Impact Block), removed jack pine, aspen, and low-quality
				1	·	I	Beech	Full	< 5 feet	Sapling	hardwoods, and then where pine blended into hardwood, just favor the
						Bla	ck Cherry	High	5 - 10 feet	Sapling	best quality.
59	42110 - Pla	nted Red F	Pine Sa	wtimb	er Poor	27.2	96	1-50	N/A		2026 YOE Notes: recent harvest, not planted yet. Trace white oak
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sapling, white pine poles, white pine seedlings.
	White Pine	5	XLog/Log	20			Beech	Low	Variable	Sapling	Stand harvested in the summer of 2021 in the sale Equestrian Pine 2,
	Red Pine	90	XLog/Log	20	96	R	ed Pine	Low	Variable	Sapling	bought by Hyrdolake. A whole-tree crew cut this sale. Excellent job of
	Red Oak	5	XLog/Log	20		Bla	ck Cherry	High	Variable	Sapling	limiting damage to the residual trees. Some scarification took place due to the whole-tree skidding, but not as much as expected. Residual
						WI	nite Pine	Low	Variable	Sapling	ba/acre = 17 square feet. Two small interior retention pockets. Trace
					L					. 0	amount of advanced oak regeneration was protected from damage.
											May have also been part of Final Impact Block, #53-019-96-01, bought Georgia Pacific. Everything cut except white pine, red pine, oak, and hemlock.

# Compartment: 35

Year of Entry: 2026



Stand	Level 4 Co	over Type	ŝ	Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
60	3205 - Mixed	Upland S	hrub	Nonstocked	59.0	0 U	nspecified	Managed O	pening	2026 Notes: Black cherry shrubs dominate the stand. I recommend this
					Sub-Ca	anopy Species	Density	Avg. Height	Size	stand be burned or mowed again to bring it back to a grassy, opened state. The XL oaks and pines make up less than 10% of the canopy
					Bla	ick Cherry	Full	5 - 10 feet	Tall Shrub	
					R	Red Pine	Low	>20 feet	Log	canopy trees (non-black cherry) sprinkled throughout. Some red pine
					Ja	ack Pine	Low	>20 feet	Pole	regen in the eastern portion.
					F	Red Oak	Low	>20 feet	Log	2016 YOE Notes: RGS machine brushed this opening in 2016. Burned in
					Ba	asswood	Low	>20 feet	Log	2017.
					W	hite Pine	Low	>20 feet	Log	This stand has been a part of several different timber harvests over the
					Su	gar Maple	Low	>20 feet	Log	past decades, but its final harvest was done in 1996 with the goal of
								1		creating a U-type stand. Tried to leave best red pine on perimeter.
61	6127 - Lo	wland Pin	e P	oletimber We	ell 33.5	89	51-80	N/A		2026 YOE Notes: Combined with stand 72 to the south; tree density and size decreases outside of the southeast area. Around the perimeter of the
	Canopy Species	% Cover	· Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	lake and in more open areas of the stand, the ground is leatherleaf on
	Tamarack	15	Pole/Log	8	Bla	ck Spruce	Low	Variable	Sapling	sphagnum moss hummocks. Further from the edge of the lake and
	Jack Pine	5	Log/Pole	10	W	hite Pine	High	Variable	Sapling	especially under trees, the ground flora transitions to have more sedge
	Black Spruce	15	Pole/Sapling	5						<sup>1</sup> and blueberry. From what I could see on the shore, the islands in the lake appear to be representative of the mainland. Around the northmost edge
	White Pine	65	Log/Pole/XLog	g 10 89	*					of the lake where I was doing inventory, there is a lot of swamp
										loosestrife (Decodon verticillatus). The swamp loosestrife may continue all around the perimeter of the lake, but I didn't get a chance to check. Swamp loosestrife is native, but it's known for terrestrializing lakes/bodies of water, so it's best to keep off of it and prevent further spread. Swamp loosestrife has been on the edges of this lake since at least 1948, per Michigan Flora's records.
										2016 YOE Notes: -Sphagum understory, slowly filling in with conifers. Stand is directly adjacent to Hardwood Lake. No managment.
62	500 -	Water		Nonstocked	48.0	U	nspecified	No		Hardwood Lake.



											Year of Entry: 2026
Stand	Level 4 Co	over Type	Si	ize De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
63	42290 - Natu	ural Mixed	Pine Sa	wtimb	er Wel	l 26.3	87	81-110	N/A		2026 YOE Notes: wide range of white pine diameters than red pine.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Some exceptionally large white pine (over 30" dbh). Many large snags and downed dead logs. Small pocket deaths of red pine (5 to 10 trees)
	White Pine	50	XLog/Log/Pole	21	87	Bigto	oth Aspen	Low	>20 feet	Sapling	sprinkled throughout, but none of the death is recent. These pockets are
	Red Oak	15	XLog/Log	20		E	Beech	Low	>20 feet	Log	full of thick sapling growth, and this is where most of the aspen saplings
	Red Pine	35	XLog/Log	18		E	Beech	Low	>20 feet	Pole	are found. BA can be variable, but averages out to 110 (swings of 140, 100, and 80). 75% canopy closure. Surprised I couldn't find planting
						Re	ed Pine	Low	Variable	Sapling	records.
						E	Beech	High	Variable	Sapling	
						Wł	nite Pine	Low	< 5 feet	Seeding	Final Impact Block, #53-019-96-01, bought by Georgia Pacific. Everything cut except white pine, red pine, oak, and hemlock.
						Irc	onwood	High	10 - 20 feet	Sapling	-Trace of aspen and red pine regeneration.
						Maple Lea	aved Viburnun	n Low	< 5 feet	Tall Shrut	-Nice white pine regeneration.
						Wł	nite Pine	High	10 - 20 feet	Sapling	
						Servicebe	erry (Juneberry	/) Low	5 - 10 feet	Tall Shrut	2
						Blac	ck Cherry	Medium	Variable	Sapling	
						Quak	king Aspen	Low	>20 feet	Sapling	
						Irc	onwood	Low	>20 feet	Pole	
64	4110 - Sugar M	laple Asso	ciation Po		er Wel	I 22.1	96	81-110	N/A		2026 YOE Notes: Recently thinned. Severe introduction of mullien and invasive thistle. Impressive lack of residual damage. Good range of size
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	of trees left. Cored an 11" sugar maple, got 96 rings.
	Red Pine	3	Log/XLog	17		E	Beech	Low	< 5 feet	Sapling	
	Red Oak	5	XLog/Log	21		Irc	onwood	Low	Variable	Sapling	2023 update - this stand was thinned in the winter of 2022-23 in the sale
	Sugar Maple	50	Log/Pole	10	96						Stilt Root 2 (#53-014-19). Bought by AJD, cut by Don and Gary Haskill. Minor amounts of damage and a few small instances of rutting but good
	Beech	2	Log/XLog	17							job overall. Average residual ba/acre = 87 square feet. A lot of beech was
	Basswood	40	Log/Pole	13							cut out of this stand, particularly along the west half.

This stand was selected for ash and beech salvage and was sold to Precision in the sale Stilt Root Hardwoods, #53-008-13-01. No harvesting ever took place within the stand and Precision dropped the sale. This stand will be put up for re-bid as most of the beech is still in good enough condition to salvage.

-High quality sugar maple throughout most of this stand. Trace of red maple, bigtooth aspen, red pine, paper birch, white pine, and elm.

comp notes from 1994 say "timber stand improvement with some small sawlogs" (thinning). The edges of this stand were part of the 1996 timber sale Final Impact Block.

Thinned by hand with chainsaw in 1977; took stand from 130 BA to 80 BA



Stand	Level 4 C	over Type	:	Size Dei	nsity	Acres Stand Age	BA Range	Managed S	Site	General Comments
					-		•			
65	42290 - Nati			Sawtimbe		7.9 89	81-110	N/A		2026 YOE Notes: Planted red pine? Most jack pine in canopy is note dead/dying. More red pine along rd, more white pine along wetland.
	Canopy Species		Size Class	DBH	Age	Sub-Canopy Specie		Avg. Height	Size	Some white pine in this stand look like legacy trees. Cored 13.5" red pir
	Bigtooth Aspen	4	Log/Pole	13		Black Cherry	Low	Variable	Sapling	89 years. BA swings of 150, 60, and 100
	Paper Birch	3	Log/Pole	10		White Spruce	Low	Variable	Sapling	2016 YOE Notes: Stand transitions to lowland along the southern edge
	Red Pine	40	Log/XLog/Pole		89	White Pine	High	Variable	Sapling	White pine more dominant in the SE finger of the stand.
	Red Maple	1	Pole/Log	8		Beech	Low	Variable	Sapling	-Trace of hemlock, red maple, and black spruce.
	Jack Pine	4	Pole/Log	8		White Oak	Low	>20 feet	Sapling	
	Quaking Aspen	1	Log	16		Red Maple	Low	Variable	Sapling	
	White Pine	39	Log/Pole/XLog	g 15						
	Red Oak	8	XLog	24						
66	42110 - Pla	nted Red F	Pine S	Sawtimbe	er Well	8.8 95	81-110	N/A		2026 YOE Notes: True lack of future merchantable regeneration.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Overstory more dense in the southern half of this stand.
	Red Oak	2	XLog/Log	20		Red Pine	Low	Variable	Sapling	In 1996 (final impact block), removed jack pine, aspen, and low-quality
	Basswood	2	XLog/Log	18		Red Oak	Low	>20 feet	Sapling	hardwoods, and then where pine blended into hardwood, just favor the
	Red Pine	96	XLog/Log	20	95	Black Cherry	High	>20 feet	Sapling	best quality.
			0 0			White Ash	Low	>20 feet	Sapling	-Small pocket of nice RP regen at the NW corner of stand.
						Beech	Low	>20 feet	Log	
						White Oak	Low	>20 feet	Sapling	-
						Ironwood	Medium	>20 feet	Pole	
					_	Beech	High	>20 feet	Sapling	
						White Pine	Low	>20 feet	Sapling	
						Beech	Low	>20 feet	Pole	
						Ironwood	High	>20 feet	Sapling	
67	4123 -	Red Oak	S	Sawtimbe	er Well	28.2 97	111-140	N/A		2026 YOE Notes: Stunning oak stand; oaks get smaller in diameter in
•	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	south. Most of the regen from harvest is ironwood, but there is some
	White Pine	15	Log	13		Hemlock	Low	>20 feet	Log	sugar maple regen; hopefully it overtops the ironwood by next inventor cycle; it is at the same height right now. Most of the pine is along the
	Red Oak	75	XLog/Log	21	97	Sugar Maple	Low	>20 feet	Sapling	western portion of the stand. Understory/ground flora consists of
	Red Pine	10	Log	15		Black Cherry	Medium	Variable	Sapling	leatherwood, but browse is extreme. More sugar maple stump sprouts
		-	5			Beech	High	Variable	Sapling	and white pine in subcanopy in the south.
						Leatherwood	Full	< 5 feet	Tall Shruk	2016 YOE Notes: -Final Impact Block, #53-019-96-01, Georgia Pacific
						White Pine	Medium	Variable	Sapling	Everything cut except pine, oak, and hemlock.
						Red Pine	Low	>20 feet	Sapling	-Pine mostly around the perimeter of the stand. -Heavy deer and elk use.
						Ironwood	Full	>20 feet	Sapling	- I ICAVY UCCI AIIU EIK USE.
					L	nonwood	I UII	~20 166l	Saping	Notes from 2004 say stand was treated in 1999, was a mark to leave, favoring oak, beech, hemlock, quality hardwoods, and leaving some w pine groups. Some oak are dead.



DNR

Stand	d Level 4 C	over Type		Size Density	Acı	es Stand Age I	BA Range	Managed S	Site	General Comments
68	42210 - Na	tural Red P	ine Sa	awtimber Medi	um 4.	2 95	1-50	N/A		-Final Impact Block, #53-019-96-01, everything cut except white pine, re
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	pine, oak, and hemlock.
	Red Pine	95	XLog	22 95		Paper Birch	Low	>20 feet	Sapling	
	Red Oak	5	XLog	20		Beech	Low	>20 feet	Sapling	
						White Ash	Low	>20 feet	Sapling	
						Ironwood	Medium	>20 feet	Sapling	
					E	3alsam Poplar	Medium	>20 feet	Sapling	-
						Sugar Maple	High	>20 feet	Sapling	
						Black Cherry	Low	>20 feet	Sapling	-
						Sugar Maple	Medium	>20 feet	Pole	
69	4130	- Aspen	:	Sawtimber We	ell 6.	5 61	111-140	N/A		2026 YOE Notes: Surprised I couldn't find a cutting record for this stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	Definitely looks like someone cut it, leaving oaks and pine. Some massive white pines. Cored 21.5" red oak, only read 95 rings, but I
	Red Pine	1	Log/Pole	10		Witch Hazel	Medium	Variable	Tall Shrub	missed the middle of the core, so it's at least 100.
	White Pine	5	XLog/Log	22 110		Red Maple	Medium	>20 feet	Pole	-
	Bigtooth Aspen	79	Log/Pole	10 61		White Pine	Medium	Variable	Sapling	-
	Red Oak	15	XLog	22 110		Red Maple	High	>20 feet	Sapling	
						Beech	High	Variable	Sapling	
73	42200 - Nati	ural White F	Pine	Sawtimber We	ell 3.	9 117	111-140	N/A		2026 YOE Notes: Some massive white pine; 30" diameter.
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	2016 YOE Notes: -Leave unmanaged as of now for aesthetics.
	Red Pine	14	Log/XLog	13		Beech	High	5 - 10 feet	Sapling	g
	White Pine	70	Log/XLog	14 117		Witch Hazel	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	1	Log	14		Red Maple	Full	>20 feet	Pole	-
	Red Oak	15	Log/XLog	16						
76	3205 - Mixed	d Upland Sł	hrub	Nonstocked	16	.6 0 l	Jnspecified	Managed O	pening	2026 YOE Notes: white pines, hemlocks, black cherry present.
					Sub	-Canopy Species	Density	Avg. Height	Size	
						White Pine	Medium	>20 feet	Pole	
						Black Cherry	High	5 - 10 feet	Tall Shrub	



and Level 4	Level 4 Cover Type			Level 4 Cover Type		ize De	nsity	Acres Stand Ag	e BA Range	Managed S	Site	General Comments
<b>7</b> 4110 - Sugar	4110 - Sugar Maple Association Sa			er Well	561.9 92	81-110	N/A		2026 YOE Notes: This stand is a combination of stands 81, 77, and 91.			
Canopy Species	Canopy Species % Cover Size Clas		DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	BA average of 110. I did a snaking walkthrough of the stand and found so much inconsistency/variability within the stand (likely due to			
Hemlock	1	XLog/Log/Pole	20		White Ash	Full	Variable	Sapling	decades of various harvests, salvages, etc), but where the stand lines			
White Pine	1	Log/Pole	16		Beech	Medium	Variable	Sapling	were previously very clear and obvious, it is not the case anymore.			
Sugar Maple	50	Log/Pole/XLog	12	92	Hemlock	Low	>20 feet	Log	Before this stand is prescribed in 10 or 20 years, a significant, dedicated effort of stand delineation and plot-taking needs to happen. The stand			
Basswood	42	Log/Pole/XLog	10		Sugar Maple	Full	< 5 feet	Seeding	switches between significant areas of small logs (10/12" dbh), large logs			
Beech	1	Log/XLog	16		Ironwood	Full	Variable	Sapling	(16/18"dbh), and large pulp (9"dbh) as the dominant overstory tree			
Red Oak	5	XLog	24						size. There are a few areas of this stand that are completely dominated by oak and/or white pine. Generally, there's a bit more suga			
									area. The very southeast portion of this stand could be typed out as an oak stand, if desired. It's mostly XL oak and small sugar maple logs/larg poles, and much less basswood than the rest of the stand. The only			

78	3105 - Mixed Upland Herbaceous	Nonstocked	2.4	Un	specified	INO	
			Sub-Canopy	y Species	Density	Avg. Height	Size
			Ironwo	bod	Low		Sapling
			Mixed Gra	asses	Full		Non-Wood

#### 79 6229 - Mixed lowland shrub Nonstocked

9.7	Uns	specified	No	
Sub-Canopy	Species	Density	Avg. Height	Size
Nineba	rk	Low		Tall Shrub
Alder		Medium	Unspecified	Tall Shrub
Jack Pir	ne	Trace		Pole
Quaking A	spen	Trace		Pole
Balsam Po	oplar	Trace		Sapling
White Spr	uce	Low		Pole
Willow s	op.	High	Unspecified	Tall Shrub

2026 YOE Notes: Pigeon River shrub corridor. The northern portion of the stand is a willow thicket, but as you move south, more tag alder, red osier dogwood, ninebark, and large, mature spruce trees line the bank. Ground b is full of grass and sedge. Some herbaceous wetland plants are found on the banks; blue vervain, joe-pye weed, possibly poison or water hemlock.

Compartment: 35

INR DNR

Year	of	Entry:	2026
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tand	and Level 4 Cover Type		0	Size Density		Acres Stand Age BA Range Managed Site		Sile	General Comments	
80	3105 - Mixed Upland Herbaceous Nonstocked				11.6 Unspecified		No		West area is the old Swepi well site, St Corwith 2-12, plugged in 2001. I has now been planted with wildlife food crops. Some erosion issues alo	
						Sub-Canopy Species	Density	Avg. Height	Size	the north end near the road. Popular among elk.
						Mixed Grasses	Full		Non-Wood	
						Black Cherry	Low		Tall Shrub	
						Spotted Knapweed	Full	Unspecified	Non-Wood	
82 4130 - Aspen Poletin						36.8 55	141-170	N/A		2026 YOE Notes: Adjusted stand lines based on pit and mound topography, pooled water, cedar, type change. Also extended stand
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	boundaries into the previous extent of the adjacent southern aspen stan
	Red Maple	12	Pole/Sap/Log	6		White Pine	Low	Variable	Sapling	due to the size of the trees along the edges of that stand. Some massive
	White Pine	10	XLog/Log/Pole			Hemlock	Low	>20 feet	Pole	yellow birch and red maple on north part of the east edge of stand. XL white pine east of bog. Small pocket of blowdown (maybe a tenth of an
	Red Oak	1	Log	15		Sugar Maple	Low	Variable	Sapling	acre or less). A few pockets of mostly submerchantable-size timber exist
Q	Quaking Aspen	59	Pole/Log	9	55	Balsam Fir	High	>20 feet	Pole	in this stand. Aspen quality increases in the north and west; also tends t
E	Black Cherry	1	Pole/Sapling	6		White Ash	Medium	Variable	Sapling	have a higher bigtooth component. Stand is almost log-sized. Slopes
Bi	Bigtooth Aspen	10	Log/Pole	12		Balsam Fir	High	>20 feet	Sapling	down to lowland in the east. Many red maple poles and saplings made i to the canopy. Ground is covered in ground pine and clubmoss (both
	Balsam Fir	5	Pole/Log/Sap	8		Beech	Low	Variable	Sapling	lycopodes). Switches from aspen dominated to more red maple
9	Sugar Maple	1	Pole/Log	8		Ironwood	Low	Variable	Sapling	dominated along the lowland transition. Trace basswood, red pine, white
	5 1		0							
	Hemlock	1	Log	16		White Oak White Pine	Low Low	>20 feet >20 feet	Pole Pole	if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry,
	Hemlock	1	Log	16	cked	White Pine	Low	>20 feet	Pole	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine.
	<u> </u>	1	Log		cked	White Pine	Low	>20 feet Managed C	Pole	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry,
	Hemlock	1	Log	16	cked	White Pine 1.2 U Sub-Canopy Species	Low nspecified Density	>20 feet Managed C Avg. Height	Pole Opening Size	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine.
	Hemlock	1	Log	16	cked	White Pine 1.2 U Sub-Canopy Species White Pine	Low nspecified Density High	>20 feet Managed C	Pole Deening Size Sapling	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine.
	Hemlock	1	Log	16	cked	White Pine 1.2 U Sub-Canopy Species White Pine Red Maple	Low nspecified Density	>20 feet Managed C Avg. Height	Pole Deening Size Sapling Sapling	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine.
	Hemlock	1	Log	16	cked	White Pine 1.2 U Sub-Canopy Species White Pine Red Maple Bigtooth Aspen	Low nspecified Density High Trace Trace	>20 feet Managed C Avg. Height	Pole Depening Size Sapling Sapling Sapling	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
	Hemlock	1	Log	16	cked	White Pine 1.2 U Sub-Canopy Species White Pine Red Maple	Low nspecified Density High Trace	>20 feet Managed C Avg. Height	Pole Deening Size Sapling Sapling Sapling Non-Wood	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
	Hemlock	1	Log	16	cked	White Pine       1.2     U       Sub-Canopy Species       White Pine       Red Maple       Bigtooth Aspen       Mixed Grasses	Low Density High Trace Trace High	>20 feet Managed C Avg. Height	Pole Depening Size Sapling Sapling Sapling	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
33	Hemlock	1	Log	16	cked	White Pine  1.2 U Sub-Canopy Species White Pine Red Maple Bigtooth Aspen Mixed Grasses Ironwood Black Cherry	Low NSPECIFIEd Density High Trace High Trace Medium	>20 feet Managed C Avg. Height 10 - 20 feet	Pole Popening Size Sapling Sapling Non-Wood Sapling	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
	Hemlock	1	Log	16	cked	White Pine       1.2     U       Sub-Canopy Species       White Pine       Red Maple       Bigtooth Aspen       Mixed Grasses       Ironwood	Low A Density High Trace High Trace High Trace	>20 feet Managed C Avg. Height 10 - 20 feet	Pole Popening Size Sapling Sapling Non-Wood Sapling Pole	Very active Red-shouldered Hawks in northeast portion of stand; unsur if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
33	Hemlock 3205 - Mixed	1	Log	16		White Pine  1.2 U Sub-Canopy Species White Pine Red Maple Bigtooth Aspen Mixed Grasses Ironwood Black Cherry Blackberry/Raspberry Bracken Fern	Low Second state	>20 feet Managed C Avg. Height 10 - 20 feet	Pole Pole Size Sapling Sapling Non-Wood Sapling Pole Tall Shrub	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse. 2026 YOE Notes: willow and winterberry around the perimeter. Interior i
3	Hemlock 3205 - Mixed	1 d Upland S	Log	Nonsto		White Pine  1.2 U Sub-Canopy Species White Pine Red Maple Bigtooth Aspen Mixed Grasses Ironwood Black Cherry Blackberry/Raspberry Bracken Fern	Low Second state	>20 feet Managed C Avg. Height 10 - 20 feet >20 feet	Pole Pole Size Sapling Sapling Non-Wood Sapling Pole Tall Shrub	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse.
3	Hemlock 3205 - Mixed	1 d Upland S	Log	Nonsto		White Pine       1.2       Sub-Canopy Species       White Pine       White Pine       Red Maple       Bigtooth Aspen       Mixed Grasses       Ironwood       Black Cherry       Black Cherry       Black berry/Raspberry       Bracken Fern       1.1     U	Low  Low  Low  Low  Low  Low  Low  Low	>20 feet Managed C Avg. Height 10 - 20 feet >20 feet No	Pole Pole Size Sapling Sapling Sapling Sapling Sapling Non-Wood Sapling Pole Tall Shrub Non-Wood	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse. Stand is covered by black cherry shrub. Extreme browse. 2026 YOE Notes: willow and winterberry around the perimeter. Interior is full of leatherleaf and water sedge.
3	Hemlock 3205 - Mixed	1 d Upland S	Log	Nonsto		White Pine  1.2 U Sub-Canopy Species White Pine Red Maple Bigtooth Aspen Mixed Grasses Ironwood Black Cherry Black berry/Raspberry Blackberry/Raspberry I.1 U Sub-Canopy Species	Low  Low  Low  Low  Low  Low  Low  Low	>20 feet Managed C Avg. Height 10 - 20 feet >20 feet No Avg. Height	Pole Popening Size Sapling Sapling Sapling Non-Woodd Sapling Pole Tall Shrub Non-Woodd Size	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting.2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse. Stand is covered by black cherry shrub. Extreme browse. 2026 YOE Notes: willow and winterberry around the perimeter. Interior is full of leatherleaf and water sedge.
	Hemlock 3205 - Mixed	1 d Upland S	Log	Nonsto		White Pine         1.2       U         Sub-Canopy Species         White Pine         Red Maple         Bigtooth Aspen         Mixed Grasses         Ironwood         Black Cherry         Black Cherry         Blackberry/Raspberry         Bracken Fern         1.1       U         Sub-Canopy Species         Sedges	Low  Low  Low  Low  Low  Low  Low  Low	>20 feet Managed C Avg. Height 10 - 20 feet >20 feet No Avg. Height	Pole Pole Pole Size Sapling Sapling Sapling Sapling Sapling Non-Wood Tall Shrub Non-Wood Size Non-Wood	Very active Red-shouldered Hawks in northeast portion of stand; unsure if random or has nest or scouting out area for nest. It's a bit early for nesting 2016 YOE Notes: Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, red pine. Stand is covered by black cherry shrub. Extreme browse. Stand is covered by black cherry shrub. Extreme browse. 2026 YOE Notes: willow and winterberry around the perimeter. Interior i full of leatherleaf and water sedge.



39

12

										Year of Entry: 2026						
Stand Level 4 Cover Type		Level 4 Cover Type Size		Level 4 Cover Type		over Type		Level 4 Cover Type		ize Density	Acres	Stand Age B	A Range	Managed	Site	General Comments
86	86 3105 - Mixed Up	3105 - Mixed Upland Herbaceous Nonstocked			Nonstocked	6.8	U	Inspecified	No		Stand is becoming forested; need to bring back to non-forested.					
					Sub-Car	opy Species	Density	Avg. Height	Size							
					Wh	ite Oak	Trace		Sapling							
					Brac	ken Fern	High		Non-Wood	ł,						
					Rec	d Maple	Trace		Pole							
				-	Bal	sam Fir	Low	>20 feet	Sapling							
				-	Re	ed Oak	Trace		Sapling							
					Wh	ite Pine	Medium	10 - 20 feet	Sapling							
					Spotted	Knapweed	High	Unspecified	Non-Wood	ł						
					Blac	k Cherry	High	>20 feet	Pole							
					Mixed	Grasses	High		Non-Wood	R.						
					Re	d Pine	Low	5 - 10 feet	Sapling							
						ry/Raspberry	Medium		Tall Shrub	2						
88	3105 - Mixed U	Upland Herbaceous Nonstocked		3105 - Mixed Upland Herbaceous Nonstocke		Nonstocked	2.7	U	Inspecified	Managed C	Opening	Old Swepi well site, St Corwith 1-12, plugged in 2001. It has now beer				
					Sub-Car	opy Species	Density	Avg. Height	Size	planted with wildlife food crops. Popular with elk.						
				-	Mixed	Grasses	High	Unspecified	Non-Wood	l,						
				-	Spotted	Knapweed	Full	Unspecified	Non-Wood	h						
90	6120 - Lo	wland Cec	lar Sa	awtimber Well	40.0	105	171-200	N/A		2026 YOE: Diverse and somewhat variable stand. Standing water						
C	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Car	opy Species	Density	Avg. Height	Size	throughout. The aspen are dying, and the black ash are all dead. Smal blow downs and tip ups are common. There are a handful of XL white						
	Yellow Birch	2	Log/Pole/XLog	10		sam Fir	High	Variable	Sapling	pines, some in the 30" range. Cedar diameter increases as you move						
	White Pine	4	XLog	23						north. Hemlock numbers seem the highest in the northeast and far sou						
C	uaking Aspen	3	Log/XLog	17						Northwestern edge of stand is full of red maple in the canopy, but mov southeast, the stand transitions to mostly cedar, then into paper birch						
	Hemlock	4	Log/Pole/XLog	15						cedar with a smaller amount of red maple. South from here, there's a						
	Red Maple	15	Log/Pole/XLog	12						sudden increase in black spruce in the canopy, but moving south beyo						
	Black Spruce	5	Log/Pole/XLog	13						that it turns back into cedar and some hemlocks.						
	Balsam Fir	1	Pole/Log	9						2016 YOE Notes: A very unique and diverse stand however timber gu						
	Paper Birch	10	Pole/Log	9						is low. Undulating pit and mound topography throughout with the majo						
E	Balsam Poplar	1	XLog	18						being very wet lowland. At least 1 small stream meanders through the						
Nort	hern White Cedar	55	Log/Pole/XLog	10 105						north part of the stand, may be more. A few small inclusions of aspen and red maple along the western edge. Other species that were prese but rare included yellow birch, quaking aspen, red oak, white spruce,						
										basswood, and elm. Leave this stand unmanaged. Notes from 1994 mention this being an important deer yard and to not overcut, leave all cedar, hemlock, and hardwood. Looks like it was proposed for selection cut around that time.						

Compartment: 35

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	<b>J</b>	,									Year of Entry: 2026	
Stan	d Level 4 C	Cover Type		Size Density		Acres	Acres Stand Age BA Range		Managed Site		General Comments	
92	4130	4130 - Aspen		Poletimber Well		25.6	45	1-50	N/A		2026 YOE Notes: Quaking aspen overtopping balsam fir and white pine. Trace hemlock. A few wet pockets throughout and a drainage. Stand	
	<b>Canopy Species</b>	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	slopes down to the east, and the eastern edge is wet. Most of the aspen	
	White Spruce	1	Pole/Sap/Log	9		Ba	lsam Fir	Full	>20 feet	Sapling	in this stand are small diameter, except for the entire western edge,	
	White Pine	1	Log/Pole	10		Ba	lsam Fir	High	>20 feet	Pole	where the aspen increase several inches in diameter to the point where	
	Red Maple	5	Pole/Sap/Log	5							<sup>1</sup> they are borderline log. Trace white oak saplings, red oak log/pole. BA swings of 30, 40, and 30. This stand hasn't grown much in 10	
	Bigtooth Aspen	3	Pole/Log/Sap	7							years2016 YOE Notes: -#53-033-76-01, clearcut by Champion	
	Quaking Aspen	85	Pole/Sapling	5	45						Pockets of wet ground, particularly along the east edge. Hardwoods pick	
	Balsam Fir	5	Sapling/Pole	4							up along the southern and western edgesThere is a strip of larger aspen along the western edge of the stand, however the remainder of the	
93	4311 - Pin	e, Aspen M	lix Sa	wtimb	er Poor	26.9	110	81-110	N/A		stand is small poletimber that has just reached merchantability. Hold at least ten yearsTrace of red pine, white pine, red oak, white oak, paper birch, sugar maple. 2026 YOE Notes: Aspen now considered part of the canopy; touching XL	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine crowns. Most white pine regen is just under the aspen. Trace red oak poles, red pine poles, quaking aspen poles, white pine poles, and	
	Red Maple	3	Pole/Sap/Log	5			onwood	Low	Variable	Sapling	paper birch poles/logs. Variable aspen/other regen diameters. Scattered	
	Bigtooth Aspen	40	Pole/Sap/Log	7	45	Re	ed Pine	Low	>20 feet	Sapling	hemlock in the subcanopy. Western portion of the stand had fewer	
	Red Pine	7	XLog	20		Wh	ite Pine	Low	>20 feet	Pole	supercanopy pines. Middle of this stand regenerated to majority pine; the edges of the stand are aspen-regeneration dominated. Most of the basal	
	White Pine	50	XLog	26	110	Re	ed Pine	Low	>20 feet	Pole	area in my swings are the XL pine. BA swings of 70, 110, 130. 32" white	
			-			Wh	nite Pine	Full	Variable	Sapling	pine present. More balsam fir regeneration towards the east/northeast.	
						He	emlock	Low	>20 feet	Pole	Cored 27.5" white pine, could only count 103 rings because my borer is not long enough. The 110 yrs from the previous inventory is probably	
						Ba	lsam Fir	Medium	>20 feet	Sapling	accurate. Despite the massive size, the white pine had thick growth rings	
						E	Beech	Medium	5 - 10 feet	Sapling	for much of its life.	
						Wh	ite Pine	Medium	< 5 feet	Seeding	2016 VOE Notes, 52,022,76,01, clearant and all hims was left, bought by	
						H	emlock	Low	>20 feet	Log	2016 YOE Notes: -53-033-76-01, clearcut and all pine was left, bought by Champion.	
					_						<ul> <li>-Nice pockets of pine regeneration. Aspen is just reaching merchantable size. Trace of hemlock and red oak in the stand.</li> <li>-Future management should retain the large pine in this stand and protect some of the nicer pockets of pine regeneration. Average ba/acre of the large pine component roughly 30 sq ft per acre.</li> </ul>	
95	42140 - Plar	nted Mixed F	Pine Saw	timber	Mediun	n 6.6	99	51-80	N/A		2026 YOE Notes: Separated as its own stand. Band of mixed conifers of all sizes and ages between upland and lowland. Sparse, open canopy.	
	<b>Canopy Species</b>	Species % Cover Size Clas		DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Southern extent of this stand is wet. The finger that juts into the east was	
	Red Pine	55	Log/XLog/Pole	16	99	Re	ed Pine	Low	Variable	Sapling	rollerchopped in 1977.	
	Jack Pine	30	Pole/Log/Sap	7	55	Blac	k Cherry	Medium	>20 feet	Pole		
	White Pine	15	Pole/Log/XLog	9		Ja	ck Pine	Medium	>20 feet	Sapling		
						Wh	nite Pine	Medium	>20 feet	Sapling		