

# **Compartment Review Presentation**

Gaylord Forest Management Unit Compartment 52128 Entry Year 2026 Acreage: 1,881 County: Emmet Management Area: Wolverine Moraines

# Stand Examiner: Tricia St. Pierre

# Legal Description:

T34N R04W Sec 25: NW, S1/2NE, W1/2SW, N1/2SE, SESE Sec 26: E1/2, E1/2NW EXCEPT NENENENW (1.5ac), SWNW, E1/2SW Sec 35: (all) Sec 36: W1/2NW, SENW, SW

### **Identified Planning Goals:**

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan and its residents.

The identification, treatment, and monitoring of invasive species and other threats is a priority with implications for the future health, diversity, and productivity of state forest land. These efforts may be accomplished with DNR personnel or in cooperation with local Cooperative Invasive Species Management Areas (CISMAs) and volunteers.

### Soil and topography:

Landtype Associations (LTAs) include Leelanau Loamy-Sand and occasional Blue Lake Loamy-Sand soils. The associated habitat types are AFO and AFOCa, which lend themselves in succession toward Sugar Maple, Beech, and Basswood forests. The compartment was formed by Kamic geomorphology; sand and gravel deposition by running water on stagnant or moving-glacier ice. This formed ice-contact ridges (undulating topography found within the compartment) and a few kettle lakes and bowls. This compartment rests on the highplains of the Vanderbilt Moraines.

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

Compartment 128 has both state- and private-land interfaces on its extremities. There is potential for private development along Hopper Road, while private homes along Heaton are in large blocks of ownership with permanent residency. The compartment is bisected (N-S) by a buried pipeline, doubling as a popular illegal ORV trail resulting in soil degradation and potential threats to the pipeline. The same corridor is used by snowmobilers having less of a negative impact on the site. There is a utility line running E-W along County Line Road on the south edge of the compartment boundary, but recent inquiries into Miss Dig leave this line a mystery, as it appears to be disconnected and has no claimed ownership. This compartment is extensively used by hunters and ORVs (snowmobiles, dirtbikes, ATVs). Some undesignated trails (i.e. old logging roads) and a couple non-forested stands are being abused by ATVs and POVs. While there are no current RDRs, monitoring/mitigating the degradation of forest trails and non-forested stands should occur.

### **Unique Natural Features:**

There is a Mesic northern forest to the northwest. Potential exists for red-shouldered hawk and goshawk throughout the compartment. MNFI known occurrence to the northeast of the compartment, recorded element sighting also to the east, southeast, west, north, and northeast, though no known established occurrences within the compartment.

# Archeological, Historical, and Cultural Features:

There are existing Historical concerns within this compartment, primarily originating from circa 1900s settlements, farms, lumber production, and railroads.

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

There are quite a few health concerns and issues to address in this compartment. Beech Bark Disease (BBD), Emerald Ash Borer (EAB), and Black Knot are a few of the plights presently affecting the quality and future of these forests. Special management considerations (pruning, dry/winter harvests only, chipping, etc.) should be kept in mind for minimizing the spread of black knot. Spotted Knapweed, honeysuckle, autumn olive, mullein, and thistle, are abundant in openings and threaten biodiversity. Other stressors on the forest include a forest tent caterpillar outbreak in 2010 over the entire compartment, Gypsy Moth in 2005 (just to the west of the compartment, but a local population regardless), and Oak Wilt detected in Charlevoix County, just to the south. Although oak is extremely rare in this compartment, decisions to plant or encourage oak should be made keeping Oak Wilt hot-spots in mind.

Michigan State University has established long-term plots in the northeast quarter of this compartment to monitor Beech

Bark Disease until the year 2052, in cooperation with the DNR. GPS coordinates and plot specifics are included in the compartment folder (under "Public Correspondence"). These plots should be acknowledged and protected from management activities in/around the study area.

A Hardwood Regeneration plot led by Walters and Roloff at MSU is ongoing within the compartment as well. In this particular stand, the area received a shelterwood treatment and subsequent herbicide application. Results are being monitored.

Heterobasidion Root Disease (HRD) is a concern within red pine plantations, as is Armillaria.

# Watershed and Fisheries Considerations:

NLHMU.

Fisheries Concerns: None.

Weber Lake and Little Weber Lake are surface water resources nearest this compartment, more than one-half mile to the east.

# Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat benifiting deer, grouse, and woodcock. Hardwood treatments will provide within stand structural diversity. Openings are prescribed to be maintained in this compartment benifiting deer, turkey, grouse, and woodcock. American marten known to occur in area.

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

Sections 25, 26, 35 and 36, T34N-R4W, Emmet County

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 200 and 600 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Antrim and Traverse are quarried for stone and cement products. Gravel pits are located 1.5 miles to the east and gravel potential appears to be good. The nearest oil and gas production, the Antrim Shale gas play, is located six miles to the south. The Antrim Shale is either thin or missing in this area. This area is leased for potential Collingwood Formation development.

### Vehicle Access:

Vehicle access is good throughout this compartment. In the summer months, all main roads are passable, although the pipeline should remain closed to motorized traffic as it is hilly and becoming degraded. There are many forest access routes that are overgrown and/or degraded but may be suitable for future use if rehabilitated. In the winter, only Heaton Road is plowed by the county (via Newson Road off of Mitchell, but not west of Heaton Rd.) down 3/4 of a mile; the rest of Heaton Road to Wilber Hill Road is plowed out by [private] local residence. CCC Road is also plowed up to County Line Road, giving access from the south end.

### **Survey Needs:**

There currently exist no pressing survey needs. However, surveying the 1.5 ac deeded to the School in section 26 could become necessary if management activities (wildlife opening enhancement, harvesting, decking, etc.) are intended in the area. The north quarter-corner of section 26 has been established, including witness trees.

# **Recreational Facilities and Opportunities:**

The Tomahawk Dirtbike Trail goes through the north and south extremes of this compartment. Snowmobile Trail 765 bisects the compartment north to south on Fireline Road and Snowmobile Trail 76 runs along the south edge on County Line Road.

This is a very widely used area by recreationists. Dirtbiking, ORVs, snowmobiling, hunting, and general meandering are extremely popular during the appropriate seasons.

This compartment is just west of the Weber Lake SFC and the Lost Tamarack Pathway.

### **Fire Protection:**

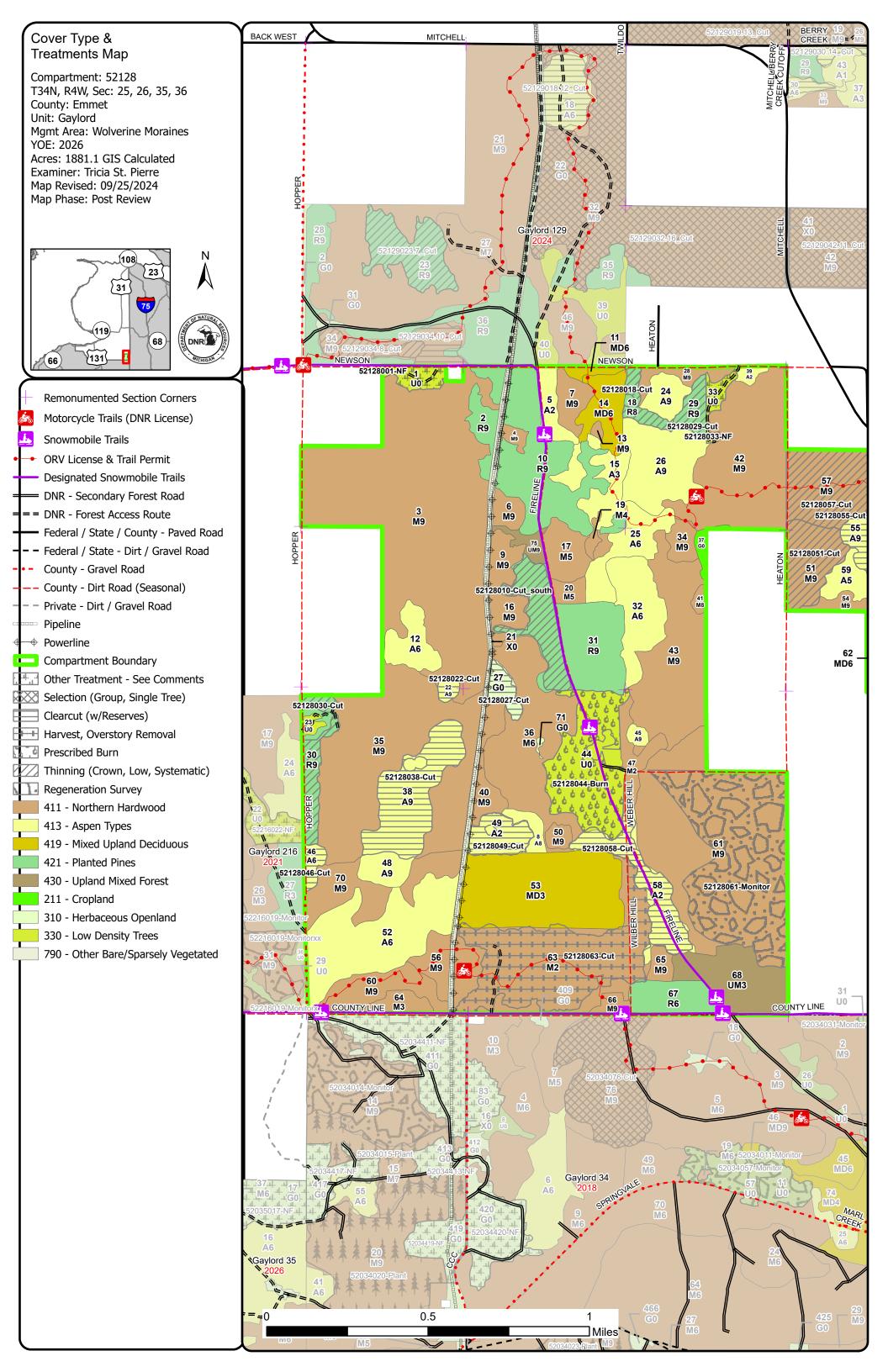
Fire access is pretty good during snow-off conditions. Most of the terrain undulates, but there aren't too many areas that are inaccessible due to topographical constraints. Dense regeneration in areas would be the biggest obstacle in navigation, while a younger pine component in the south and a couple non-forest stands might be the biggest fire risks. Finding a water source would be a complication for this compartment. Weber Lake is the closest water, but access to the lake itself would be difficult.

Springvale Township VFD covers this area. LTBB would like to assist with Rx burns in the future.

### Additional Compartment Information:

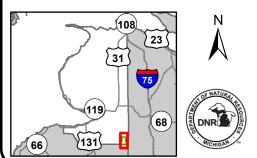
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas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

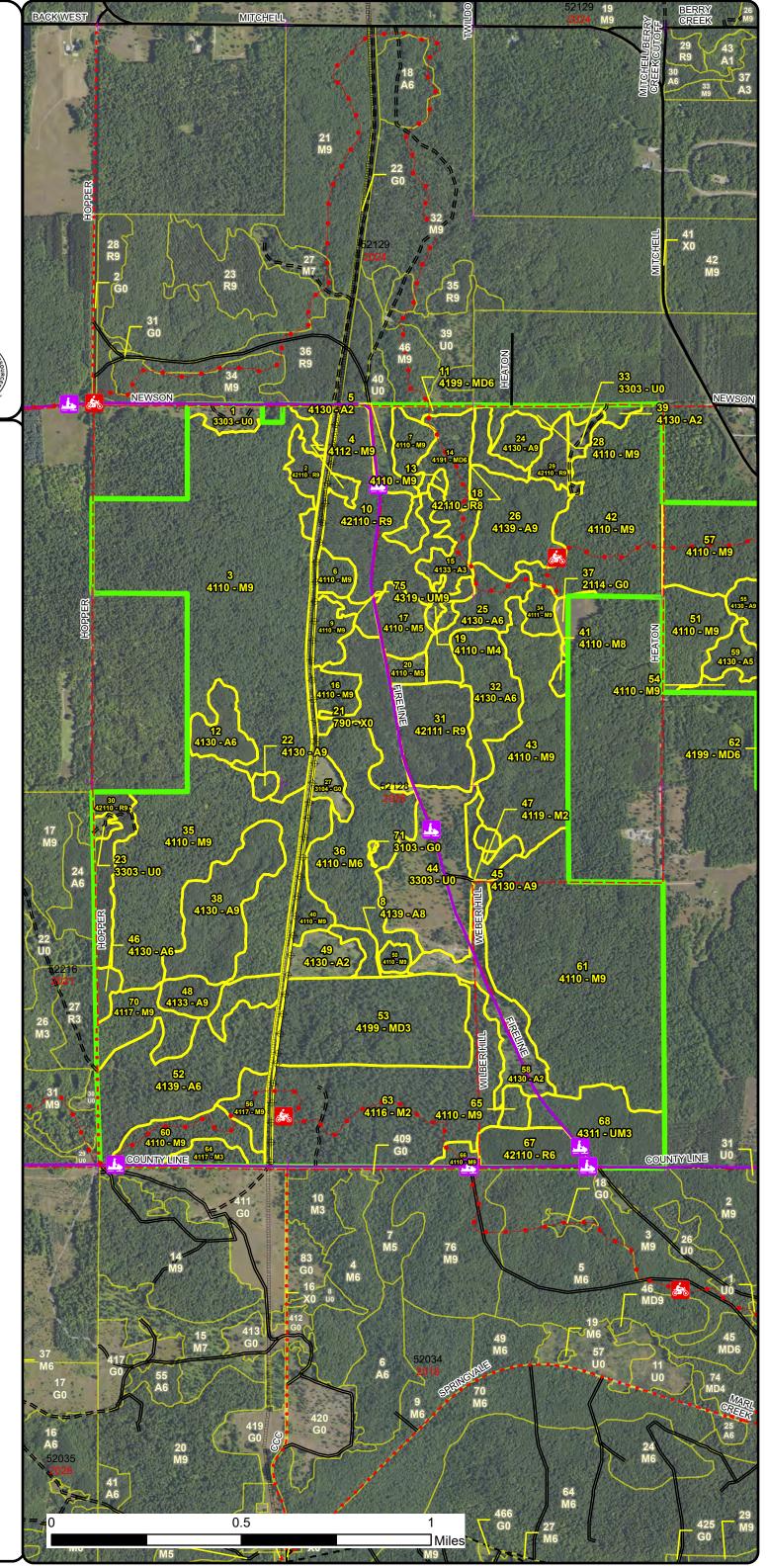


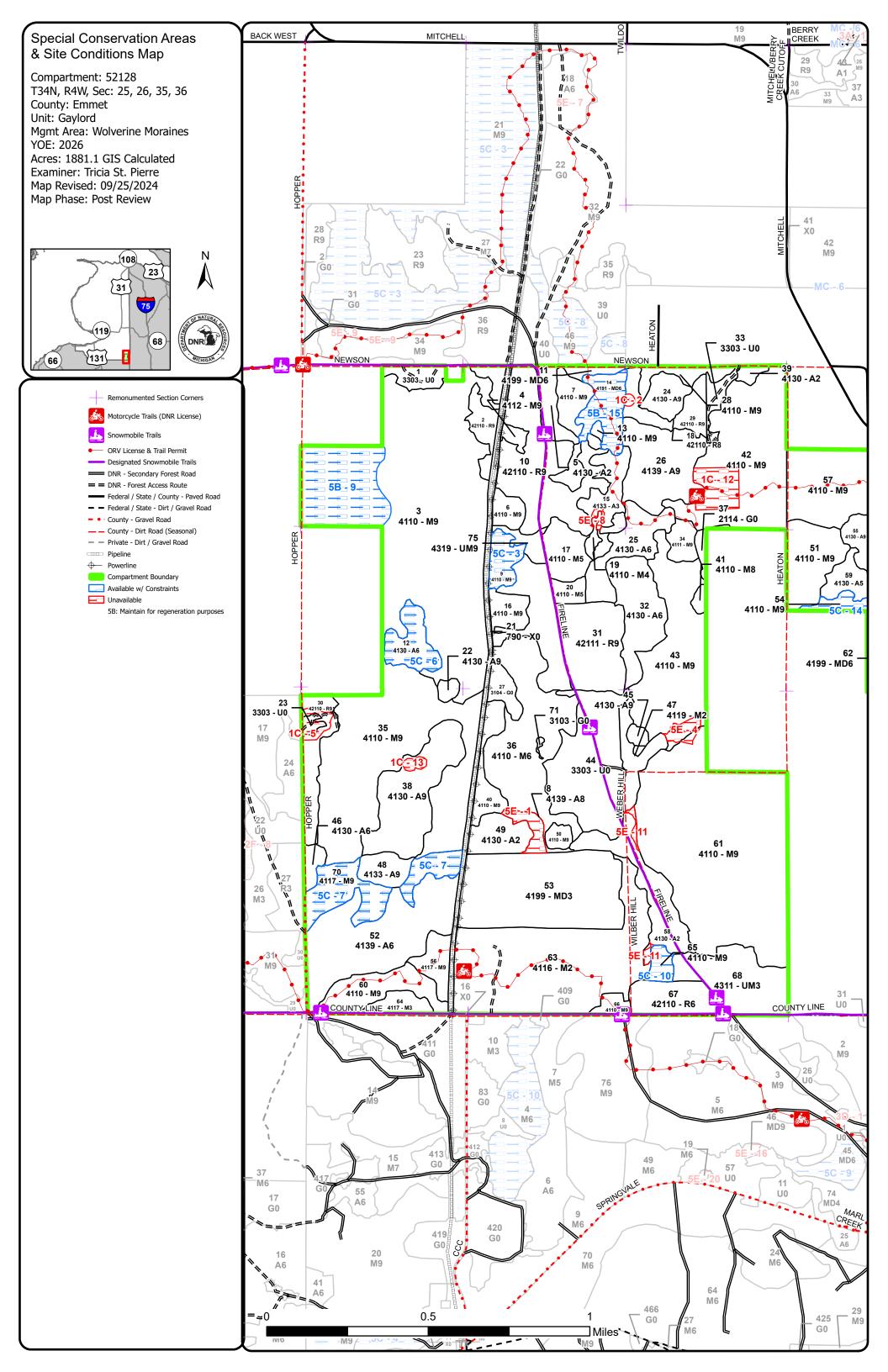
Stand Boundary Map

Compartment: 52128 T34N, R4W, Sec: 25, 26, 35, 36 County: Emmet Unit: Gaylord Mgmt Area: Wolverine Moraines YOE: 2026 Acres: 1881.1 GIS Calculated Examiner: Tricia St. Pierre Map Revised: 09/25/2024 Map Phase: Post Review

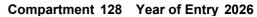


**Remonumented Section Corners** Motorcycle Trails (DNR License) Snowmobile Trails **ORV License & Trail Permit Designated Snowmobile Trails** DNR - Secondary Forest Road = = DNR - Forest Access Route Federal / State / County - Paved Road - Federal / State - Dirt / Gravel Road County - Gravel Road County - Dirt Road (Seasonal) Private - Dirt / Gravel Road Pipeline + Powerline **Compartment Boundary** Stand Boundaries 411 - Northern Hardwood 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 430 - Upland Mixed Forest 211 - Cropland 310 - Herbaceous Openland 330 - Low Density Trees 790 - Other Bare/Sparsely Vegetated State Forests





# Tricia St. Pierre : Examiner





Age Class

	Hou	de la	3 4	22 24 24	6) 4 53	3 L	8 15 E	3		R 8	8 89 89	s di	100 100 100 100 100 100 100 100 100 100	8. K	87 S	07. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	03- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	3 <sup>3</sup> Joo	1000 1000 1000 1000 1000 1000 1000 100	_
Aspen	0	71	0	109	28	140	0	5	0	0	0	0	0	0	0	0	0	0	353	
Bare/Sparsely Vegetated	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
Cropland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
Low-Density Trees	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	
Mixed Upland Deciduous	0	0	0	74	0	3	9	0	0	17	0	0	0	0	0	0	0	0	102	
Northern Hardwood	0	0	19	103	0	0	63	18	269	495	141	4	0	0	0	0	0	0	1112	
Red Pine	0	0	0	18	0	0	0	160	0	0	0	0	0	0	0	0	0	0	178	
Upland Mixed Forest	0	0	0	34	0	0	0	5	0	0	0	0	0	0	0	0	0	0	39	
Total	98	71	19	338	28	143	72	188	269	512	141	4	0	0	0	0	0	0	1882	



Year of Entry: 2026Acres of HarvestTotal Compartment Acres: 1,881Commercial Harvest - 352Harvests with Site Condition - 0Next Step Harvest - 0Habitat Cut - 0

# Cover Type by Harvest Method

			Constraints	Contraction of the second	to o	and the second	idon i	Our Contraction	Reputer Sol	and the second s	Stor 150	and the second s
Aspen		104	0	0	0	0	0	0	0	0	104	1
Herbaceous Openland		7	0	0	0	0	0	0	0	0	7	
Northern Hardwood		0	45	0	0	0	63	82	0	0	189	
Red Pine		0	0	0	0	0	53	0	0	0	53	
<b>-</b>	Total	111	45	0	0	0	115	82	0	0	352	]

# Proposed and Next Step Treatments by Method

		/.	No. Contraction of the second	C C	Contraction of the second	and a start of the	in o	An Collicio	in the second	No No	(° / )	A. A
Current		352	0	0	0	48	0	138	0	13	551	
Next Step		0	0	0	29	48	0	281	0	0	359	
	Total	352	0	0	29	97	0	419	0	13	909	

			Gaylord	d Mgt. Unit		Repo	rt 3	Treatments		Compartmer	nt: 128	OF NATUR
S t										Year of Entr	y: 2026	LANA JONR
a n d	Treatme Name		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Hab
osec	d Treat	ment	<u>s:</u>									
1	5212800	)1-NF	7.5	3303 - Mixed Low Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		1
<u>Presci</u> Specs		Maintain present.	the nonf	orested condition c	of this stand	either t	hrough pi	rescribed burning	g, herbicide, or med	chanical means.	Prune any fro	uit trees
<u>Next S</u> Treatn												
<u>Accep</u> Reger												
<u>Other</u> Comm		Exclude	sensitive	e features from mar	nagement.							
	ondition	-										
Propo:	sed Star	t Date:	10/1 /20									
18 క	5212801	8-Cut	6.6	42110 - Planted Red Pine	Sawtimbe Medium		81-110	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Age	1 b
Presci Specs				o 80 BA (removing areas where pre-ha				using on 16+" sto	ock and poor qualit	y stems. Higher	residual Basa	al Areas
<u>Next S</u> Treatn												
<u>Accep</u> Reger												
<u>Other</u> Comm		Require	HRD spe	۲ <b>C</b> .								
<u>Site C</u>	ondition	1										
Propos	sed Star	t Date:	10/1 /20	25								
22 5	5212802	2-Cut	2.5	4130 - Aspen	Sawtimbe Well	er 48	111- 140	Harvest	Clearcut	413 - Aspen	Even-Age	d I
<u>Presci</u> Specs	ription F s: I	Final hai nclude o	rvest asp drumming	en only, protecting g log spec.	residual ha	rdwood	. No reter	ntion due to smal	l stand size.			
<u>Next S</u> Treatn		Monitorii	ng, Natur	al Regen (Re-Inver	ntory)							
<u>Accep</u> Reger	<u>n:</u>	Accepta	ble regen	eration will meet m	ninimum sto	ocking re	equiremer	nts for aspen.				
<u>Other</u> Comm	iont.											
Comm	condition:	<u>.</u>										

d     Name       29     52128029-Cut       Prescription Specs:     Thin to 120 the stand.	cres Stand	Repo	rt 3 Treatments		Compartmen Year of Entry		DNR
Prescription Thin to 120 Specs: the stand.	CoverType	Size Stand Density Age	BA Treatment Range Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
Specs: the stand.	7.9 42110 - Planted Red Pine	Sawtimber 63 Well	141- Harvest 170	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
Any other s Next Step Treatments: Acceptable Regen:	<ol> <li>Areas with pre-existing species needing to be cut</li> </ol>		-		roviding operators	s a clear path	through
-	ed opening to the east may	y be used for deck	ing and hauling.				
30 52128030-Cut	14.8 42110 - Planted Red Pine	Sawtimber 63 Well	171- Harvest 200	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
Prescription Thin stand Specs: Next Step Treatments:	to 120 BA focusing on sp						
Acceptable Regen:							
Comment: utilize land Site Condition: Proposed Start Date: 1 33 52128033-NF	0/1 /2025 5.3 3303 - Mixed Low	- -	Unspec NonForestMgt	t Other - Specify	3105 - Mixed		No
	Density Trees		ified		Upland Herbaceous		
Prescription Maintain th Specs: <u>Next Step</u> Treatments:	ne nonforested condition c	f this stand either t	through prescribed burnir	ng, herbicide, or med	chanical means.		
<u>Acceptable</u> <u>Regen:</u>							
Other							
<u>Comment:</u> Site Condition:							

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S t			Gaylord	Mgt. Unit		Repo	rt 3 1	Freatments		Compartmer Year of Entr		DNR DNR
a n d	Treatr Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
38	521280	38-Cut	40.2	4130 - Aspen	Sawtimbe Well	er 46	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Spec</u>	<u>28:</u>	Mark a r marten l Require Include	habitat and a shortwo drumming	of one hardwood tr d more diverse for od operation for th log spec.	est structur ne purpose	e.			t residual hardwood soil stabilization and	-	-	o provide
	<u>step</u> tments:	WONITON	ng, Natura	I Regen (Re-Inver	ntory)							
<u>Acce</u> Rege		Accepta	ble regene	eratoin will meet m	ninimum sto	ocking re	equiremer	nts for aspen.				
<u>Othe</u> Com	er Iment:	Harvesti	ing aspen	only will leave poo	kets of des	irable, c	diverse int	ermediate hard	lwood, primarily in s	mall draws withir	the stand.	
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed St	art Date:	10/1 /202	25								
44		8044- ırn	48.4 3	3303 - Mixed Low Density Trees	Nonstocke	ed	Unspec ified	Burn	Opening	330 - Low- Density Trees		No
<u>Pres</u> Spec	•	Fireline	Road, esp e, or mech	ecially XL white pi	ine. Continu	le to ma	aintain the	nonforested co	ies. PROTECT (do ondition of this stan o snowmobile trail a	d either through p	prescribed burn	ning,
	<u>Step</u> tments:	Burn, O	•									
Acce Rege	eptable											
<u>Othe</u>		Protect	sensitive fe	eatures within star	nd. Consult	locked	comments	s for better dire	ction.			
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed St	art Date:	10/1 /202	25								
46	521280	46-Cut	4.6	4130 - Aspen	Poletimbe Well	er 48	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<u>Pres</u> Spec	•		rvest aspe drumming		on due to sr	mall sta	nd size. T	his will be the p	primary landing for s	stands 38 and 22.		
<u>Next</u> Trea	<u>Step</u> tments:	Monitori	ng, Natura	l Regen (Re-Inver	ntory)							
<u>Acce</u> <u>Reg</u> e				eration will meet m is opening.	ninimum sto	ocking re	equiremer	nts for aspen. T	he portion of the sta	and designated as	s a landing ma	ay become
<u>Othe</u> Com	er Iment:											
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed St	art Date:	10/1 /202	25								

Gaylord Mgt. Unit **Report 3 -- Treatments** Compartment: 128 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 51 52128051-Cut 24.2 4110 - Sugar Maple Sawtimber 75 111-Harvest Crown Thinning 411 - Northern Even-Aged No Association Well 140 Hardwood Prescription Mark stand to 80 BA. Focus on form and seed producers. Leave beech and aspen to become snags. Do not harvest any underrepresented species such as elm, cherry, or ironwood. Protect standing dead within stand. Specs: Next Step Treatments: Acceptable Regen: Prefer marking sugar maple over basswood, keeping basswood at 40% of residual stand (or higher). Retain diversity. Do not chip - keep tops Other intact and scattered (not run over). Identify trees to push over to cross/lean/create clumps of leaning trees. Follow legacy tree guidance. Comment: Site Condition: Proposed Start Date: 10/1 /2025 52128055-Cut 4130 - Aspen 48 81-110 Clearcut with 20.0 Sawtimber Harvest 413 - Aspen Even-Aged No 55 Well Retention Prescription Final harvest. Do not cut any underrepresented species, specifically elm, black cherry, yellow birch, and basswood. Specs: Include drumming log spec. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Acceptable regeneration will meet minimum stocking requirements for aspen. Regen: Other Capture areas of dense maple/hardwood in retention islands. Comment: Site Condition: Proposed Start Date: 10/1 /2025 57 52128057-Cut 38.4 4110 - Sugar Maple Sawtimber 93 81-110 Harvest Crown Thinning 411 - Northern Even-Aged No Association Well Hardwood Prescription Marked thinning to 80 BA. Focus on form and seed producers. Leave a good representation of Xlog sugar maple (and basswood) for seed production and future wildlife trees. Preserve diversity: do not mark any aspen, cherry, yellow birch, elm, or beech. Specs: Sign and protect recreational trail. Identify trees to push over to cross/lean/create clumps of leaning trees. Protect standing dead within stand, follow legacy tree guidance. Next Step Treatments: Acceptable Regen: Maintain basswood at 40% of stand or greater, preferring to mark sugar maple over basswood. Other Bowl in northern part of stand with steep east slope should be marked with operability in mind, if marked at all. Comment: Do not chip. Leave tops intact and scattered. Prefer frozen winter or dry summer harvest. Main haul route through stand is very wet. Site Condition: Proposed Start Date: 10/1 /2025

# Report 3 -- Treatments

S t		Gaylord	Mgt. Unit		Repoi	rt3 ˈ	Treatments		Compartmen Year of Entry	/	DNR DNR
a n Treat d Na	ment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	28057- pSel	44.5 41	10 - Sugar Maple Association	Sawtimbe Well	r 93	81-110	Harvest	Group Selection	411 - Northern Hardwood	Two-Aged	No
Prescription Specs:	entry. [ gaps. ] Place t	Do not cut a This may ind wo or three		lbh) maple birch, eln	e or bas n, or oth	swood re er specie	generation within	per ten acres, targe n gaps. Do not harv the aspen.			
Next Step Treatments:		ring, Natura	l Regen (Re-Invent	ory); Mon	itoring,	Natural R	Regen (Re-Inven	tory)			
Acceptable Regen:			eration will meet mit					ood, not to exceed	50% beech. Rege	eneration surv	ey may be
<u>Other</u> Comment:	Consid rutting Do not	er operabili occurs. chip tops. I		s most aff Follow leg	ected b	y BBD/be		er bars may be requ ing dead within star		·	
Site Condition	<u>on:</u>										
Proposed S	tart Date	<u>:</u> 10/1 /202	25								
	28061- nitor	108.4 41	10 - Sugar Maple Association	Sawtimbe Well	r 85	81-110	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Even-Aged	No
Prescription Specs:	Monito	r regen to a	ssure beech and ire	onwood do	not do	minate.					
Next Step Treatments:	<u>.</u>										
Acceptable Regen:	Accept	able regene	eration will meet mi	nimum sto	cking re	equireme	nts for northern h	nardwood.			
<u>Other</u> <u>Comment:</u>	Monito regene	0	ent extended into 20	)33/2034 i	nventor	y season	after failing in 20	024. More time nee	ded to determine	success of	
Site Condition	on:										
Proposed S	tart Date	<u>:</u> 10/1 /203	3								

# Approved Treatments:

10 521280 Cut_so		42110 - Planted Red Pine	Sawtimber Well	63 111- 140	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	No
<u>Specs:</u> la	anding. Do not o oundary along	lark starting rows ar cut hardwood within Fireline Road - deck kers. Trail should be	stand unless separately ar	necessary fo nd scale. Sa	r operations - de e occurs along s	eck separately and	scale. Clearcut all a	spen within sale	•
<u>Next Step</u> Treatments:									
Acceptable Regen:									
<u>Other</u> <u>Comment:</u>									
Site Condition									
Proposed Star	<u>t Date:</u> 10/1 /2	015							

S t		Gayloro	d Mgt. Unit	I	Repo	rt3 <sup>-</sup>	Treatments		Compartmen Year of Entry	/	DNR
a n Treat	ment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit
27 52128	027-Cut	6.5	3104 - Degraded	Nonstocke	ed O	Unspec ified	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	N
Prescriptior Specs:		ntion due	tart cherry and aspo to small stand size								
<u>Next Step</u> Treatments		ng, Natur	al Regen (Re-Inver	ntory)							
Acceptable Regen:	Accepta	ible regen	eration will meet m	ninimum sto	cking re	equiremer	nts for mixed as	pen, cherry, and ot	her mixed deciduc	ous species.	
<u>Other</u> Comment:		er monitori us specie	ing for elm survival s.	. Old next s	step co	mments: F	Regen survey to	determine adequa	ate stocking levels	of aspen and	mixed
<u>Site Conditi</u>											
Proposed S	tart Date:	10/1 /20	15								
49 52128	049-Cut	12.2	4130 - Aspen	Sapling Medium	2	Immatu re	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	N
Prescription Specs:			stand, around aspe Acceptable regene						berry, or pine. Lea	ive any trees >	•18" dbh
Regen: Other Comment:		-	eration will meet m		-					ies.	
Site Conditi	on:										
Proposed S	tart Date:	10/1 /20	15								
58 52128	058-Cut	24.6	4130 - Aspen	Sapling Medium	2	Immatu re	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	N
Prescription Specs:	mercha	ntable asp	ed pine >18", all wh ben. Be careful not d/or replace trail ma	to overlap s	ale bo	undary wit	h hardwood thir	nning. Sale occurs			
Next Step Treatments		ng, Natur	al Regen (Re-Inver	ntory)							
Acceptable Regen:	Accepta	ble regen	eration will meet m	ninimum sto	cking re	equiremer	nts for aspen an	d mixed hardwood	species.		
Other Comment:	levels.		E(S) along road - p le regeneration incl e.								
Site Conditi	on:										
Proposed S	tart Date:	10/1 /20	15								

### Report ? Treatments

S t			Gaylor	d Mgt. Unit		Repoi	rt3 <sup>·</sup>	Treatments		Compartmer Year of Entr	/	DRR BOURS
a n d	Treatn Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63	521280	63-Cut	81.5	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	27	1-50	Harvest	Overstory Removal	4139 - Aspen, Mixed Deciduous	Even-Aged	No
Preso Spec Next	<u>s:</u>	regener trail and at all tir	ration. Co d has a di nes.	al of red pine. Focus nsider flagging or pa rtbike trail bisecting ral Regen (Re-Inven	inting skid it. Caution	trails fo	r equipme	ent to minimize o	damage to regener	ation. Sale occurs	along snowmo	obile
		Accepta	able reger	neration will meet mi	inimum sto	cking re	equiremer	nts for aspen an	d mixed deciduous	species.		
<u>Other</u> Comr	<u>r</u> ment:	Oversto	ory remov	al of red pine from fu	ully stocked	d aspen	/mixed ha	ardwood sapling	stand.			
<u>Site (</u>	Conditio	<u>n:</u>										
Propo	osed Sta	art Date:	10/1 /20	015								
69	52128 Mon		29.1 4	4110 - Sugar Maple Association	Sawtimbe Medium		1-50	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No
Preso Spec	<u>cription</u> s:											
	<u>Step</u> ments:	Seeding	g, Hand S	eed								
<u>Acce</u> <u>Rege</u>		A diver	se mix of	northern hardwood s	species.							
<u>Other</u> Comr	<u>r</u> ment:	Percen	t to Treat	= 100%								
Site C	Conditio	<u>n:</u>										
Propo	osed Sta	art Date:	10/1 /20	)22								

Total Treatment 550.7 Acreage Proposed:

# Tricia St. Pierre : Examiner

Compartment: 128 Year of Entry: 2026



### Availability for Management

		•						
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	ditions
Acres	Available	With Condition	Not Available		5B	5C	1C	5E
352	329	14	9	Aspen		14	2	7
20	20	0	0	Bare/Sparsely Vegetated				
3	3	0	0	Cropland				
7	7	0	0	Herbaceous Openland				
68	66	0	2	Low-Density Trees			2	
103	87	16	0	Mixed Upland Deciduous	16		0	
1111	1005	91	14	Northern Hardwood	41	50	10	4
177	174	0	3	Red Pine			3	0
39	39	0	0	Upland Mixed Forest				
1,881	1,731	122	29	Total Forested Acres	57	65	17	11
	92%	<b>6%</b>	1%	Relative Percent				

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

Site No.	e Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	5	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
		ble stocking in subcanopy, dev e stand transitions to hardwoo		into very nice quality canop	y stems. This was exclud	ed from adjacent stand 49	with the intent to serve
2	Unavailable	1C: Other dept or div proc/practices	1	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Area to be excluded	from harvest per separate Di	vision re	quest.			
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Delay treatment. Co	nsider thinning with adjacent	stand 3 v	vhen the time comes.			

# Report 4 – Site Conditions

Compartment: 128

Year of Entry: 2026



Tricia St. Pierre : Examiner

Gaylord Mgt. Unit

4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Maintain a 100' buf	fer and exclude stand from intru	sive acti	vities.			
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Postpone treatmen	t to maintain diverse aspen age	and size	e classes. Treating a qua	rter of the aspen this YOE.		
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
		ed pine/hardwood mix. Good ma maintaining compositional struc			more coarse woody debris.	Could be thinned with the a	adjacent hardwood stand
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long term retention	n for parent stand 15.					
9	Available	5B: Maintain for regeneration purposes	41	Unspecified	Unspecified	Unspecified	Unspecified
		ed sugar maple and occasional I to other hardwood stands.	oasswoo	od in the subcanopy. Poc	kets of ash and beech, but	amount of sugar maple is f	airly significant here, at

		aylord Mgt. Unit Pierre : Examiner		Report 4 – Site Condi	tions	Compartment: 128 Year of Entry: 2026	DR MATURE
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Unique stand of ba	sswood prominence + advanced	d suga	r maple regeneration. Delay tre	eatment to thin with oth	er hardwood stands in the area.	
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Long term retentior	n for stand 58.					
12	Unavailable	1C: Other dept or div proc/practices	10	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> MSU research plot	for Long-term BBD Impacts.					
13	Unavailable	1C: Other dept or div proc/practices	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Unavailable for har	vest.					
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
		, density, and size classes are va cent aspen stand in the future.	ariable	. Stand as a whole is not ready	r for a traditional thinnir	ng. Portions may be managed o	n an even-aged
15	Available	5B: Maintain for regeneration purposes	16	Unspecified	Unspecified	Unspecified	Unspecified
		g out of merchantability and is nu g the condition of the regenerati		along a very nicely diverse sub	canopy of mixed hardv	wood and aspen. Allow red pine	to naturally



# 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



# Year of Entry

# Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Type Description Area	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
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# Report 7 – Stands

	OFNATURAL
6	
	19.

tanc	d Level 4 Co	over Type		Size De	nsity	Acres Stand	Age BA	Range	Managed	Site	General Comments
1	3303 - Mixed Lo	ow Densit	y Trees	Nonsto	cked	7.5	Uns	specified	No		Observed one white spruce. Cherry presence in pole/sap/log; red pine i
						Sub-Canopy S	pecies	Density	Avg. Height	Size	pole/sap. There's a two track that meanders through the stand back to the hardwood that is little used. Goldenrod and field strawberry present.
						Scotch Pin	е	Trace	5 - 10 feet	Sapling	
						Juniper		Trace	< 5 feet	Tall Shrub	
						White Pine	e	Trace	5 - 10 feet	Sapling	
						Honeysuckle (	spp.)	Low	Variable	Tall Shrub	
						Little Blueste	em	Full	Unspecified	Non-Wood	
						Sugar Map	le	Low	Variable	Sapling	
						Black Cher	ry	Medium	Variable	Pole	
						Red Pine		Low	Variable	Pole	
						Beech		Trace	Variable	Sapling	
						Bracken Fe	rn	Trace	Unspecified	Non-Wood	
						Spotted Knap	weed	Trace	Unspecified	Non-Wood	
						Blackberry/Ras	oberry	Low	< 5 feet	Tall Shrub	
2	42110 - Plar	nted Red	Pine S	awtimb	er Wel	12.9 64	11	11-140	N/A		Pockets of mortality following timber sale (appears to be pine beetle).
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	report to Forest Health. Systematic thinning in 2021, Multifarious Mix (5 120-16). Variable diameters and densities, but more consistent after
	Black Cherry	7	Log/Pole	12		Honeysuckle (	spp.)	Medium	Variable	Tall Shrub	systematic thinning. Porcupine damage to a few trees in the northwest.
	Red Pine	93	Log/Pole	10	64	Blackberry/Ras	oberry	High	< 5 feet	Tall Shrub	The northern half of the stand has slightly lower quality pine. Planted in
						Beech		Medium	Variable	Sapling	1960. Honeysuckle is densest along the utility line edge. Trace elm in canopy. Rare basswood, serviceberry, ironwood, and elm in
						Sugar Map	le	Medium	Variable	Sapling	subcanopy.North edge along Newson Road is mixed hardwood, .5-1
						Black Cher	ry	Trace	Variable	Sapling	chain deep (<1/2 ac in size).
		lanle Asso	ociation S	awtimb	er Wel	211.4 75	8	31-110	N/A		Ash is no longer a component of the canopy (drop from 15% to 0% due
3	4110 - Sugar M	iupic / 1001									EAB between 2013 and 2023). Trace ironwood, yellow birch, paper birch
3	4110 - Sugar M Canopy Species	•	r Size Class	DBH	Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	
3	0	•	r Size Class Log/XLog	<b>DBH</b> 14	Age	Sub-Canopy S Blackberry/Ras	-	Density Trace	Avg. Height < 5 feet		and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and
3	Canopy Species	% Cove		14	Age		oberry				and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southeast
3	Canopy Species American Elm	* Cove	Log/XLog	14	<b>Age</b> 75	Blackberry/Ras	oberry Ider	Trace	< 5 feet	Tall Shrub	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech	<b>% Cove</b> 2 4	Log/XLog Log/Pole/XLog	14 14	_	Blackberry/Ras Red Berried E	oberry Ider ble	Trace Trace	< 5 feet 5 - 10 feet	Tall Shrub Tall Shrub	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southeast
3	Canopy Species American Elm Beech Sugar Maple	% Cove           2           4           69	Log/XLog Log/Pole/XLog Log/Pole	14 14 12	_	Blackberry/Ras Red Berried E Striped Map	oberry Ider ble spp.)	Trace Trace Trace	< 5 feet 5 - 10 feet Variable	Tall Shrub Tall Shrub Sapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Map Honeysuckle (	oberry Elder ole spp.)	Trace Trace Trace Trace	< 5 feet 5 - 10 feet Variable < 5 feet	Tall Shrub Tall Shrub Sapling Tall Shrub	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Map Honeysuckle ( Basswood	oberry Elder ble spp.) I Im	Trace Trace Trace Trace Trace	< 5 feet 5 - 10 feet Variable < 5 feet 5 - 10 feet	Tall ShrubTall ShrubSaplingTall ShrubSapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Map Honeysuckle ( Basswood American E	oberry Elder ole spp.) I Im Ie	Trace Trace Trace Trace Trace Trace	< 5 feet 5 - 10 feet Variable < 5 feet 5 - 10 feet Variable	Tall Shrub Tall Shrub Sapling Tall Shrub Sapling Sapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Map Honeysuckle ( Basswood American E Sugar Map	oberry Elder ole spp.) I Im Ie ry	Trace Trace Trace Trace Trace Trace Low	< 5 feet 5 - 10 feet Variable < 5 feet 5 - 10 feet Variable Variable	Tall Shrub Tall Shrub Sapling Tall Shrub Sapling Sapling Sapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Map Honeysuckle ( Basswood American E Sugar Map Black Cher	pberry Elder ole spp.) d Im le ry	Trace Trace Trace Trace Trace Low Trace Low	< 5 feet 5 - 10 feet Variable < 5 feet 5 - 10 feet Variable Variable < 5 feet	Tall Shrub Tall Shrub Sapling Tall Shrub Sapling Sapling Sapling Sapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southear and in the west 40.
3	Canopy Species American Elm Beech Sugar Maple Basswood	% Cove           2           4           69           20	Log/XLog Log/Pole/XLog Log/Pole Log/Pole	14 14 12 14	_	Blackberry/Ras Red Berried E Striped Man Honeysuckle ( Basswood American E Sugar Map Black Cher White Ast	pberry Elder ole spp.) d Im le ry	Trace Trace Trace Trace Trace Low Trace Low	< 5 feet 5 - 10 feet Variable < 5 feet 5 - 10 feet Variable Variable < 5 feet Variable	Tall Shrub Tall Shrub Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	and red maple in canopy. Rare maple leaved viburnum in subcanopy. Pockets of beech brush; clumpy. Smaller diameters in the north and especially east. Some nice advanced sugar maple saplings in southeas and in the west 40.

### Report 7 – Stands

### Compartment: 128 Year of Entry: 2026

Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site **General Comments** 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.8 64 81-110 N/A Some mortality in the red pine. Black cherry boles are a little contorted, a 4 little crooked; red and sugar maple stems are much straighter. % Cover Size Class Size **Canopy Species** DBH Age Sub-Canopy Species Densitv Avg. Height American Elm 2 Pole/Sapling Ironwood Variable Sapling 6 Low 5 Ironwood 1 Pole/Sap/Log American Flv Honevsuckle I ow Variable Tall Shrub 2 18 Basswood XLoa/Loa Beech Trace Variable Sapling Black Cherry 63 Loa/Pole 12 64 Hazelnut (Beaked) 5 - 10 feet Tall Shrub Trace 64 Sugar Maple 10 Pole/Sapling 6 Sugar Maple Medium Variable Sapling **Red Maple** 20 Pole/Log 8 Prickly Or Wild Gooseberry Medium < 5 feet Tall Shrub Red Pine 2 8 47 Pole/Loa Serviceberry (Juneberry) Low >20 feet Sapling Black Cherry Trace Variable Sapling 2 4130 - Aspen Sapling Medium 9.6 N/A Portion of Payment Unit 2 of Multifarious Mix. 52-120-16. harvested in 5 Immature 2021. The northwest was and remains slightly understocked, more of a **Canopy Species** % Cover Size Class DBH Age **Sub-Canopy Species** Densitv Ava. Heiaht Size non-forested opening (utilized as landing). Trace elm and red maple in Serviceberry (Juneberry) 2 Beech < 5 feet 1 Sapling Trace Sapling canopy. Scattered residual elm/ironwood/red maple saplings (<2% total). jack pine (1%), red pine (2%), and black cherry (1%, accounted for in 6% Jack Pine 1 Sapling/Pole 3 Blackberry/Raspberry Hiah < 5 feet Tall Shrub of canopy sapling). "10% sugar maple" in canopy accounts for 7% 2 2 Tall Shrub Ironwood Sugar Maple < 5 feet Sapling Low residual saplings and 3% new saplings. Rare white pine and gooseberry Tall Shrub in subcanopy. Quaking Aspen 78 Sapling 1 2 Ironwood Low Variable Hardwood subcanopy is heavily browsed (thus listed as "shrubs".) Non-Wood Black Cherry 6 Sapling/Pole/Log Bracken Fern Medium Unspecified 1 Spotted knapweed and honeysuckle dominated northwest opening. Hare Red Pine 2 Pole/Sap/Log 7 American Fly Honeysuckle Medium Variable Tall Shruk present throughout stand. Sugar Maple 10 2 Red Maple < 5 feet Tall Shrub Sapling Low

6 4110 - Sugar Maple Association Sawtimber Well 6.3 85 81-110 N/A DBH Age Size **Canopy Species** % Cover Size Class Sub-Canopy Species Densitv Avg. Height Black Cherry 5 Loa/Pole 12 Sugar Maple Medium Variable Sapling 12 85 Sugar Maple 70 Loa/Pole/XLoa Beech Trace Variable Sapling **Red Maple** 1 16 Black Cherry Trace Variable Sapling Log 2 12 Ironwood Ironwood Loa/Pole Medium Variable Sapling American Elm 2 Log/Pole 10 American Fly Honeysuckle Trace < 5 feet Tall Shrub 20 12 Basswood Log/Pole 78

Scattered dead elm. Lot of wildlife tracks throughout stand. More horizontal structure (coarse woody debris) than most stands. Heavy to sugar maple pole. Increased black cherry on east edge.

7	7 4110 - Sugar Maple Association Sa		Sawtimber Well		ll 9.5	I 9.5 83		N/A		
С	anopy Species	% Cove	r Size Class	DBH	Age	Sub-Car	nopy Species	s Density	Avg. Height	Size
	Red Pine	2	Log	16		B	Beech	Trace	5 - 10 feet	Sapling
A	merican Elm	1	Log/Pole	10		Prickly Or V	Vild Goosebe	rry Low	< 5 feet	Tall Shrub
S	Sugar Maple	64	Log/Pole	12	83	Maple Lea	wed Viburnur	n Trace	< 5 feet	Tall Shrub
	White Pine	2	Log/XLog	14		Blac	k Cherry	Trace	Variable	Sapling
E	Black Cherry	6	Log/Pole/XLo	og 12		Suga	ar Maple	Low	< 5 feet	Seeding
	Basswood	25	Log/Pole	12		Iro	nwood	Medium	Variable	Sapling
						Suga	ar Maple	Trace	Variable	Sapling
						American F	ly Honeysucl	kle Low	< 5 feet	Tall Shrub
						Blackber	ry/Raspberry	Low	< 5 feet	Tall Shrub

Undesirable subcanopy except for a quarter-acre draw in the east with decent sugar maple. North tip has a very steep northwest facing slope. Highest density honeysuckle along west edge and in north. Two yellow birch snags, trace red maple on north tip. Raspberry density reduced from high to low between 2013 and 2023. 2013 inventory comments remain valid: Hardwood thinning in 2007, May

b Jors inventory comments remain valid. Hardwood triming in 2007, May
 b Hardwood (52-115-07; along with stand 42). Note variable diameters of
 c pines. Abundant raspberry and knapweed in skid trails and any canopy
 g gaps. Occasional elm (pole), <2%. Smaller diameters towards the</li>
 southern end of the stand. West-facing slope on the west edge dropping
 into the adjacent stand.



# Report 7 – Stands

Compartment: 128 Year of Entry: 2026 ART DA 10.

Stanc	d Level 4 Co	ver Type	Si	ize De	nsity	Acres	Stand Age BA	Range	Managed S	Site	General Comments
8	4139 - Aspen, N	lixed Deci	duous Saw	timber	Mediu	ım 5.0	69	1-50	N/A		Unharvested portion of adjacent stand 49 intended to convert to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	hardwood. A little bit of porcupine damage. Aspen appears two-aged in areas, L (14") and P/S (5").
	Sugar Maple	15	Pole/Log/Sap	6	-	Ame	ican Elm	Trace			
	American Elm	5	Pole/Sapling	6		B	eech	Trace	Variable	Sapling	
	Black Cherry	20	Log/Pole	10	58	Blac	k Cherry	Trace	Variable	Sapling	
	Basswood	10	Pole/Log	8		Servicebe	ry (Juneberry)	Trace	10 - 20 feet	Sapling	
	Quaking Aspen	45	Log/Pole	12	69	Prickly Or V	/ild Gooseberry	Trace	< 5 feet	Tall Shrub	
	Ironwood	5	Pole/Sapling	6		Sug	ar Maple	Full	Variable	Sapling	
9	4110 - Sugar Ma	aple Asso	ciation Sa	wtimb	er Wel	I 9.0	75 1	11-140	N/A		Trace ironwood, yellow birch in canopy; rare beech in subcanopy. X log
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	elm: 20" and 22" in center of stand. A very rare stand dominated by basswood(!).
	Sugar Maple	30	Pole/Log/XLog	8	83	Prickly Or V	/ild Gooseberry	Trace	< 5 feet	Tall Shrub	
	American Elm	5	Log/Pole/XLog	12		Maple Lea	ved Viburnum	Trace	< 5 feet	Tall Shrub	
	Basswood	50	Log/Pole/XLog	12	75	Sug	ar Maple	Medium	Variable	Sapling	
	Black Cherry	15	Log/Pole	12		Iro	nwood	Low	Variable	Sapling	
						Blac	k Cherry	Trace	< 5 feet	Sapling	
10	42110 - Plant	ted Red P	ine Sa	wtimb	er Wel	l 81.4	63 1	11-140	N/A		Systematic thinning in 2021, Multifarious Mix (52-120-16). Trace
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	hardwood in canopy (SM, BW, AE), occasional aspen. Subcanopy hardwood was knocked back in thinned rows, now occupied by
	Red Pine	95	Log/Pole	12	63	E	eech	Low	Variable	Sapling	raspberries and some cherry, some lingering maple whips.
	Black Cherry	5	Log/Pole	12		Blackber	ry/Raspberry	High	< 5 feet	Tall Shrub	Decent quality red pine.
						Sug	ar Maple	Medium	Variable	Sapling	
						Blac	k Cherry	Medium	Variable	Sapling	
						Hawth	orn (spp.)	Trace	< 5 feet	Tall Shrub	
11	4199 - Other Mixed	Upland D	eciduous Po	letimb	er Wel	I 3.4	42	1-50	N/A		Trace red oak, beech, balsam fir, paper birch, bigtooth, and pin cherry
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	canopy. Rare red pine, gooseberry, beech, hemlock in subcanopy. Hemlock (canopy and subcanopy) is confined to far west, north edge,
	Jack Pine	2	Sapling/Pole	4		Ame	ican Elm	Trace	10 - 20 feet	Sapling	along road. West half of stand is heavier to hardwood with a couple
	Basswood	3	Sapling/Pole	3		American F	ly Honeysuckle	Low	< 5 feet	Tall Shrub	aspen. East half is dominated by aspen with a couple pockets of pine.
	Quaking Aspen	34	Pole/Log/Sap	8	42	Wh	ite Pine	Trace	Variable	Sapling	Old skid trail from adjacent hardwood stand comes from west, crossing the dirtbike trail and coming out onto Newson Road.
				-							
	Ironwood	4	Sapling/Pole	2		Wh	ite Ash	Trace	< 5 feet	Sapling	
	Ironwood Red Pine	4	Sapling/Pole Pole/Sapling	_			ite Ash ar Maple	Trace High	< 5 feet Variable	Sapling Sapling	
				2		Sug					
	Red Pine	4	Pole/Sapling	2 6		Suga Bas	ar Maple	High	Variable	Sapling	
	Red Pine Hemlock	4	Pole/Sapling Pole/Log	2 6 8		Suga Bas Blac	ar Maple sswood	High Trace	Variable < 5 feet	Sapling Sapling	
	Red Pine Hemlock White Ash	4 1 1	Pole/Sapling Pole/Log Sapling/Pole	2 6 8 3		Suga Bas Blac Hazeln	ar Maple sswood k Cherry	High Trace Trace	Variable < 5 feet Variable	Sapling Sapling Sapling	
	Red Pine Hemlock White Ash Black Cherry	4 1 1 10	Pole/Sapling Pole/Log Sapling/Pole Pole/Sapling	2 6 8 3 6		Sug Ba Blac Hazeln Iro	ar Maple sswood k Cherry ut (Beaked)	High Trace Trace Low	Variable < 5 feet Variable 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	
	Red Pine Hemlock White Ash Black Cherry Yellow Birch	4 1 1 10 2	Pole/Sapling Pole/Log Sapling/Pole Pole/Sapling Pole/Sapling	2 6 8 3 6 7		Sug Ba Blac Hazeln Iro Servicebe	ar Maple sswood k Cherry ut (Beaked) nwood	High Trace Trace Low Trace	Variable < 5 feet Variable 5 - 10 feet Variable	Sapling Sapling Sapling Tall Shrub Sapling	
	Red Pine Hemlock White Ash Black Cherry Yellow Birch Sugar Maple	4 1 10 2 25	Pole/Sapling Pole/Log Sapling/Pole Pole/Sapling Pole/Sapling Sapling/Pole	2 6 8 3 6 7 2		Sug Ba Blac Hazeln Iro Servicebe	ar Maple sswood k Cherry ut (Beaked) nwood ry (Juneberry)	High Trace Trace Low Trace Trace	Variable < 5 feet Variable 5 - 10 feet Variable >20 feet	Sapling Sapling Sapling Tall Shrub Sapling Sapling	
	Red Pine Hemlock White Ash Black Cherry Yellow Birch Sugar Maple viceberry (Juneberry)	4 1 10 2 25 5	Pole/Sapling Pole/Log Sapling/Pole Pole/Sapling Pole/Sapling Sapling/Pole Sapling/Pole	2 6 8 3 6 7 2 2		Sug Ba Blac Hazeln Iro Servicebe	ar Maple sswood k Cherry ut (Beaked) nwood ry (Juneberry)	High Trace Trace Low Trace Trace	Variable < 5 feet Variable 5 - 10 feet Variable >20 feet	Sapling Sapling Sapling Tall Shrub Sapling Sapling	

20

2

6

XLog/Log

Sapling

Pole/Sapling

83

Hazelnut (Beaked)

Ironwood

Jack Pine

### Report 7 – Stands

Compartment: 128 Year of Entry: 2026

**General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4130 - Aspen Poletimber Well 14.3 48 111-140 N/A Midcanopy (out-competed) sugar maple, ironwood, beech. Trace white 12 ash, beech, pin cherry, black cherry, and basswood in canopy, Rare DBH Age **Canopy Species** % Cover Size Class Sub-Canopy Species Densitv Avg. Height Size striped maple in subcanopy. Sugar Maple 2 6 Ironwood Variable Sapling Pole/Sapling Low CETA labor used to accomplish Wildlife sponsored clearcut in 1976. W247-73. 8 Red Maple 2 Pole/Sap/Log Black Cherry Trace < 5 feet Sapling 95 8 48 **Biatooth Aspen** Pole/Loa White Ash Low 5 - 10 feet Sapling Quaking Aspen 1 Pole/Loa 8 Sugar Maple Low < 5 feet Seeding Sugar Maple Low >20 feet Sapling Beech Low Variable Sapling 4110 - Sugar Maple Association 1.0 65 51-80 N/A Sawtimber Well Thinned in 2021, Multifarious Mix (52-120-16). Nice residual stems. Trace 13 aspen in canopy. Size **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Black Cherry 2 Log/Pole 12 Sugar Maple Variable Low Sapling 30 Loa/Pole Basswood 14 Black Cherry Trace < 5 feet Sapling White Pine 2 14 Loa Beech Trace < 5 feet Sapling American Flm 1 Log 12 Ironwood Medium Variable Sapling 64 65 Sugar Maple Loa/Pole 12 Red Pine 1 15 83 Log 4191 - Mixed Upland Deciduous with Poletimber Well 16.5 83 1-50 N/A Subcanopy has advanced to be incorporated into the canopy. Nice 14 Conifer hardwood regeneration, especially sugar maple. Trace red oak, white pine, pin cherry, and white ash in canopy. Rare alternate leafed dogwood. **Canopy Species** % Cover Size Class **DBH** Age Sub-Canopy Species Density Avg. Height Size gooseberry, guaking aspen, and balsam fir in subcanopy. Southwest leg Sapling/Pole 4 Red Pine 10 - 20 feet Sapling Quaking Aspen 5 Trace has overall smaller diameters and more pine regeneration; dense honeysuckle. Southeast leg has a very nice, high quality mix of hardwood Jack Pine Sapling/Pole 4 Sugar Maple Medium Variable Sapling 1 regeneration. Some porcupine damaged beech. Some of the residual red American Fly Honeysuckle Tall Shrul **Red Maple** 5 Pole/Sapling 5 Low Variable pine are forked. Residual BA varies 20-90, averaging around 40 or 50. 4 American Elm Sapling/Pole Black Cherry Trace Variable Sapling 1 Small opening in the north-center dominated by honevsuckle and 5 10 raspberry. Black Ash Pole/Sapling Beech Low Variable Sapling Stand was direct seeded (herd seeder mounted on ATV) at 1/2 lb of red 2 4 Tall Shrul Beech Blackberry/Raspberry Low < 5 feet Sapling pine seed per acre. Site was scarified in 1996 during logging, direct seed 3 Sugar Maple 25 Sapling/Pole 28 Serviceberry (Juneberry) Low >20 feet Sapling in March of 1997 over 12-18" of snowpack. Paper Birch Pole/Sapling 6 White Pine 1 Trace Variable Sapling

Low

Low

Trace

5 - 10 feet

Variable

>20 feet

Red Pine

Serviceberry (Juneberry)

Basswood

36

2

2

Tall Shrub

Sapling

Sapling

# Report 7 – Stands

Compartment: 128

and	Level 4 Co	over Type	Si	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
5	4133 - Aspe	en, Mixed P	Pine S	Sapling	Well	18.9	3	1-50	N/A		Portion of Payment Unit 2 of Multifarious Mix (52-120-16), harvested in
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	2021: clearcut deciduous and marked red pine, except do not cut any elm. Otherwise, white pine and unmarked red pine were to be
	Beech	2	Sapling	1		Suga	ar Maple	Medium	Variable	Sapling	unharvested.
E	Black Cherry	5	Sapling	1		Hazelnut	(American)	Low	< 5 feet	Tall Shrub	Thistle and mullein present. Scattered residual sugar maple, ironwood,
A	American Elm	2	Pole/Sapling	5		В	eech	Low	Variable	Sapling	and elm saplings. Nice response from aspen. Some browsing damage. Trace red maple in canopy; rare basswood, maple leaved viburnum in
	White Pine	2	Log/Pole	14		Blac	< Cherry	Medium	Variable	Sapling	subcanopy. Much higher residual BA of red pine in west unit and
	Ironwood	3	Sapling	1		Honeys	uckle (spp.)	Low	< 5 feet	Tall Shrub	southwest of east unit. Better quality hardwood regeneration in the west
Q	uaking Aspen	60	Sapling	1	3						unit. Residual BAs vary: 10-30 in the east unit (except 60-120 in the
	Red Pine	21	Log/Pole/XLog	14	64						southwest) and 40-70 in the west unit. 10-30 in the north.
5	Sugar Maple	5	Sapling	1							
6	4110 - Sugar M	laple Asso	ciation Sa	wtimb	er We	II 9.4	67	81-110	N/A		Red pine volunteers in southwest opening with black cherry and
С	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	honeysuckle. Nice advanced sugar maple sapling and poles through the stand. Southern portion of stand is pole dominated with high sugar map
	Basswood	30	Log/Pole	12	58		< Cherry	Trace	< 5 feet	Sapling	subcanopy.
E	Black Cherry	30	Log/Pole	12	67	Iro	nwood	Low	Variable	Sapling	BA is around 120 within the forested portions of the stand, but 50-80 in
	Ironwood	5	Pole/Sapling	6		American F	ly Honeysuckle	Trace	< 5 feet	Tall Shrub	the gaps.
	Red Maple	2	Pole	6			ry (Juneberry)	Trace	>20 feet	Sapling	
	Sugar Maple	25	Pole/Sap/Log	8			/ild Gooseberry	/ Trace	< 5 feet	Tall Shrub	
A	American Elm	8	Pole/Sapling	6		B	eech	Trace	< 5 feet	Sapling	
						Hawth	orn (spp.)	Trace	< 5 feet	Tall Shrub	
						Suga		Medium	Variable		
						9-	ar Maple	weaturn	Valiable	Sapling	
7	4110 - Sugar M	laple Asso	ciation Pole	timber	Medi		75	51-80	N/A	Sapling	Couple rogue red pine in the north tip. Trace ironwood in canopy. Rare
	4110 - Sugar M Canopy Species	•	ciation Pole		Medi <b>Age</b>	um 15.6				Sapling Size	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo
С		•				um 15.6 Sub-Can	75	51-80	N/A	Size	
C A	Canopy Species	% Cover	Size Class Pole/Sap/Log	DBH		um 15.6 Sub-Can Blackberi	75 opy Species	51-80 Density	N/A Avg. Height	Size	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe
C A	Canopy Species	* <b>Cover</b>	Size Class	<b>DBH</b> 6		um 15.6 Sub-Can Blackbern Hazelnu	75 opy Species y/Raspberry	51-80 Density Low	N/A Avg. Height < 5 feet	<b>Size</b> Tall Shrub	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe
C A E	Canopy Species American Elm Red Maple	<b>% Cover</b> 3 10	Size Class Pole/Sap/Log Pole/Sap/Log	<b>DBH</b> 6	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber	75 opy Species y/Raspberry it (Beaked)	51-80 Density Low	N/A Avg. Height < 5 feet 5 - 10 feet	Size Tall Shrub Tall Shrub	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo guality, crooked black cherry with some black knot. Trace guaking aspe
C A E	Canopy Species American Elm Red Maple Black Cherry	% Cover           3           10           82	Size Class Pole/Sap/Log Pole/Sap/Log Pole/Log	<b>DBH</b> 6 6 8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Blacl	75 opy Species y/Raspberry it (Beaked) ry (Juneberry)	51-80 Density Low Low Low Low	N/A Avg. Height < 5 feet 5 - 10 feet Variable	Size Tall Shrub Tall Shrub Sapling	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe
C A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen	% Cover           3           10           82           1	Size Class Pole/Sap/Log Pole/Sap/Log Pole/Log Log/Pole	<b>DBH</b> 6 6 8 10	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Blacl Prickly Or W	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) < Cherry	51-80 Density Low Low Low Low	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable	Size Tall Shrub Tall Shrub Sapling Sapling	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe
C A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen Sugar Maple	% Cover           3           10           82           1           1	Size Class Pole/Sap/Log Pole/Log Log/Pole Pole/Log/XLog	DBH       6       6       8       10       8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Black Prickly Or W Amer	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) < Cherry /ild Gooseberry	51-80 Density Low Low Low Low / Low	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable < 5 feet	Size Tall Shrub Tall Shrub Sapling Sapling Tall Shrub	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe
A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen Sugar Maple	% Cover           3           10           82           1           1	Size Class Pole/Sap/Log Pole/Log Log/Pole Pole/Log/XLog	DBH       6       6       8       10       8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Blacl Prickly Or W Amer Re	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) < Cherry /ild Gooseberry ican Elm	51-80 Density Low Low Low Low Low / Low / Trace Trace	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable < 5 feet Variable	Size Tall Shrub Tall Shrub Sapling Sapling Tall Shrub Sapling	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe in the east.
C A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen Sugar Maple	% Cover           3           10           82           1           1	Size Class Pole/Sap/Log Pole/Log Log/Pole Pole/Log/XLog	DBH       6       6       8       10       8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Black Prickly Or W Amer Re American F	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) (Juneberry) (Id Gooseberry ican Elm d Pine	51-80 Density Low Low Low Low Low / Low / Trace Trace	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable < 5 feet Variable Variable	Size Tall Shrub Tall Shrub Sapling Sapling Tall Shrub Sapling Sapling	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe in the east.
C A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen Sugar Maple	% Cover           3           10           82           1           1	Size Class Pole/Sap/Log Pole/Log Log/Pole Pole/Log/XLog	DBH       6       6       8       10       8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Blacl Prickly Or W Amer Re American F Bracl	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) k Cherry /ild Gooseberry ican Elm d Pine ly Honeysuckle	51-80 Density Low Low Low Low Low Low Low Trace Trace Trace Medium	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable Variable Variable Variable Variable	Size Tall Shrub Tall Shrub Sapling Sapling Tall Shrub Sapling Sapling Tall Shrub	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe in the east.
C A E Qu	Canopy Species American Elm Red Maple Black Cherry Ruaking Aspen Sugar Maple	% Cover           3           10           82           1           1	Size Class Pole/Sap/Log Pole/Log Log/Pole Pole/Log/XLog	DBH       6       6       8       10       8	Age	um 15.6 Sub-Can Blackbern Hazelnu Serviceber Blacl Prickly Or W Amer Re American F Bracl Iro	75 opy Species y/Raspberry it (Beaked) ry (Juneberry) < Cherry /ild Gooseberry ican Elm d Pine ly Honeysuckle ken Fern	51-80 Density Low Low Low Low Low Com Trace Trace Medium Low	N/A Avg. Height < 5 feet 5 - 10 feet Variable Variable < 5 feet Variable Variable Variable Variable	Size Tall Shrub Tall Shrub Sapling Tall Shrub Sapling Sapling Tall Shrub Non-Wood	alternate leaved dogwood, basswood, white ash in subcanopy. Fairly lo quality, crooked black cherry with some black knot. Trace quaking aspe in the east.

# Report 7 – Stands

Compartment: 128



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	42110 - Planted Red PineCanopy Species% CoverSize ClaBlack Cherry1Log/PRed Pine99Log/P	ole 12	7.2	63	81-110	N/A	Trace quaking aspen, sugar maple in canopy. Rare hazelnut, balsam poplar, elm, gooseberry in subcanopy. Pretty limby red pine, but straight. One pocket of decline in the south. Planting record from 1960. Third row thinned in the 1990s.
19	4110 - Sugar Maple Association	Poletimber Poor	2.2	50	1-50	N/A	Trace sugar maple, beech, balsam fir saplings in the far north tip. Overgrown non-forested opening filling in with cherry, honeysuckle, and a couple pine volunteers.
20	4110 - Sugar Maple Association	Poletimber Medium	4.8	66	1-50	N/A	Trace hardwood on perimeter, but stand is 100% black cherry. Northeast is a small .5 acre non-forested opening dominated by spotted knapweed (fully) with trace red pine volunteers.
21	790 - Other Bare/Sparsely Vegetated	Nonstocked	20.4		Unspecified		Pipeline. Encroaching trees and shrubs. Couple of wet spots, some steep hills, highly variable flora. Pipeline maintained. Close to motor vehicles but still receives heavy traffic from ORVs and snowmobiles.
22	4130 - Aspen	Sawtimber Well	2.5	48	111-140	N/A	Trace white ash, elm, red maple, ironwood suppressed into midcanopy. Rare maple leaved viburnum, gooseberry in subcaonpy. Sharp lobed hepatica and sweet cicely ground flora.
23	3303 - Mixed Low Density Trees	Nonstocked	2.2		Unspecified	No	Mature sugar maple, basswood, ironwood along road (west); pocket of hardwood in east. Goldenrod, field strawberry present. Rare juniper (in northeast). Red pine and black cherry present in S/P, sugar maple in L/P, and apple in P/S.
24	4130 - Aspen	Sawtimber Well	9.5	46	81-110	N/A	Trace red maple in canopy. Rare beech and white ash in subcanopy. Wildlife cut in 1977, W285-73.
25	4130 - Aspen	Poletimber Well	20.7	25	1-50	N/A	Trace elm, red maple, basswood, sugar maple in canopy. Rare basswood, beech in subcanopy. Ironwood and serviceberry are beginning to become suppressed. Stand is starting to push pole-sized. BTA is more prominent on south-facing slopes. Rare white ash and pin cherry.
26	4139 - Aspen, Mixed Deciduous	Sawtimber Well	36.3	47	81-110	N/A	Trace pin cherry in canopy. Hardwood pockets are dominated by black cherry with sugar maple, basswood, elm, and serviceberry. Wildlife cut in 1977, W285-73.
27	3104 - Degraded	Nonstocked	6.9	0	Unspecified	411 - Northern Hardwood	Very poor response to harvest. <5% considered "forested", >3' regeneration. Severe browse. High stocking of mullein, occasional thistle and knapweed. Trace bam along utility line/southwest. MO: Acceptable regeneration will meet minimum stocking requirements for mixed aspen, cherry, and other mixed deciduous species.
28	4110 - Sugar Maple Association	Sawtimber Well	7.9	95	81-110	N/A	Trace red maple and beech in canopy (couple white ash snags). Rare red pine and yellow birch in subcanopy. Inconsistent stand; variable species composition/diameters/density, but sugar maple and basswood are consistently present.

# Report 7 – Stands

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	42110 - Planted Red Pine	Sawtimber Well	7.9	63	141-170	N/A	Rare pole sugar maple and cherry in canopy.
30	42110 - Planted Red Pine	Sawtimber Well	17.4	63	171-200	N/A	Hilly terrain but operable. 10-12" dbh in south, 12" in north. Trace black cherry, bigtooth aspen, and beech in canopy. Rare white pine and basswood in subcanopy. Couple of old apple trees in north along trail in from stand 23 (U0). Couple understocked pockets, but BA warrants a thinning.
31	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	33.0	63	81-110	N/A	Trace black cherry in canopy. Porcupine present. Bracken fern and raspberry in subcanopy. Couple pockets of decline in red pine.
32	4130 - Aspen	Poletimber Well	27.5	38	51-80	N/A	Trace red maple in canopy. Rare basswood, red pine, balsam fir in subcanopy. Rather low quality stand. It sits on Leelanau loamy sand but is low quality aspen lacking any development of the midcanopy except for some advanced sugar maple, black cherry, serviceberry, and rare red maple. Otherwise, the subcanopy is shrub dominated. South leg has more bigtooth aspen and better quality hardwood subcanopy, lacking the abundant honeysuckle (and has trace maple leaved viburnum). Opening in south central portion of stand was utilized as a landing when this stand was cut and again in 2023 as a landing for the adjacent hardwood stand when it was thinned. Full spotted knapweed and scattered mullein in the opening now.
33	3303 - Mixed Low Density Trees	Nonstocked	5.3		Unspecified	No	Slight increase in raspberry in south opening. Hardwood dominated narrow strip between north and south openings with ironwood, sugar maple, beech, basswood, black cherry, and scattered red pine saps.
34	4111 - S.Maple, Hard Mast Association	Sawtimber Well	6.6	77	81-110	N/A	Bowl in northwest dominated by ironwood, sap/pole. Significant beech mortality (20% in 2013 to 10% in 2023); remaining beech still affected by BBD. Generally a west-/northwest- facing stand. Trace elm in canopy.
35	4110 - Sugar Maple Association	Sawtimber Well	112.8	85	81-110	N/A	White ash has been eliminated from the canopy due to EAB. Beech has declined from 10% to 4% with continued BBD on lingering beech. Trace red maple, ironwood, black cherry, balsam poplar, elm, paper birch, and yellow birch in canopy. Rare balsam fir, basswood, red oak (one seedling), hazelnut in subcanopy. Smaller diameters in the northeast, a couple pole-dominated pockets. Little sponginess to some draws. Observed equisetum in one of the draws. Maiden hair fern, helleborine, red berried elder, sharp lobed hepatica, partridgeberry all present. Pipeline Hardwood (52-111-06) thinned in 2007. Northwest (around red pine) was treated in 1975 C241-73, removing 48 sqft/acre of mixed hardwood (30-50 BA residual).

# Report 7 – Stands

Compartment: 128

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	4110 - Sugar Maple Association	Poletimber Well	60.6	57	81-110	N/A	Stand has grown into log size since last inventory cycle. Highly variable stand structurally and compositionally with very inconsistent diameters and BAs. There are still some areas dominated by poles; some areas with dense pole/sapling sugar maple (and a few significant pockets of very nice advanced sugar maple regeneration). Trace yellow birch in canopy; rare basswood, beech, balsam fir, white ash, and serviceberry in subcanopy. Maple leaved viburnum is clumpy. Observed one hawthorn, one hazlenut along E-W trail in north. Central-far east 7 acres includes log/xlog white pine and is occupied by a mix of black cherry and aspen with pole sugar maple/basswood. Significant porcupine presence.
37	2114 - Other Cropland	Nonstocked	2.8		Unspecified	No	Corner is set and identifiable with a carsomite post. Dense clump of planted spruce and pine (pole/sap) in northwest corner. Ironwood, beech saplings are sort of encroaching on perimeter. One red berried elder mixed in with honeysuckle clump in center of stand.
38	4130 - Aspen	Sawtimber Well	41.8	46	81-110	N/A	White ash declined from approx 10% in 2013 to 1% in 2023 due to EAB. Trace elm, ironwood, basswood, pin cherry, and paper birch in canopy. Rare serviceberry, basswood, gooseberry, black cherry, and elm in the subcanopy. Bedstraw, dutchman's breeches, violet, and sweet cicely ground flora. Railroad grade through stand. Old two track in southwest. South-centeral band contains a nice mix of pole hardwood. Harvested in 1976 as a wildlife cut, W259-73.
39	4130 - Aspen	Sapling Medium	2.5	2	Immature	N/A	Harvested in 2021, Multifarious Mix (52-120-16). Few cords of hardwood left along road in northeast. Trace scattered residual sugar maple, serviceberry, ironwood, white ash in canopy. Trace basswood and bigtooth, also. Mullein and thistle present. Heavy browsing pressure on stand. Densest next to road, but the back side (south edge) has a 30-foot stretch along the entire perimeter of heavily browsed saplings; next to nothing over 3-feet tall.
40	4110 - Sugar Maple Association	Sawtimber Well	11.9	83	81-110	N/A	Trace serviceberry and yellow birch; rare basswood and gooseberry subcanopy. Variable stand. Quaking aspen, black cherry, and beech are picked up on the edges of the stand (QA and BC along eastern edge, BE along western edge). Understory sugar maple is more advanced than other regenerating species. Lower quality stump sprouts (multi-stemmed) in the south giving way to much higher quality timber as you progress north. Undulating hills. Occasional 14-18" sugar maple. Transition into mostly sugar maple, lower BA, in the north. Presence of conifer (balsam fir, red pine) in the understory on west edge along powerline.
41	4110 - Sugar Maple Association	Sawtimber Medium	2.0	75	81-110	N/A	Stand sits in a bowl. Aspen is in poor condition and much is declining; aspen management is not recommended (poor quality, difficult terrain). Decent sugar maple poles present. Rare striped maple.

Compartment: 128

E DNR

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	e BA Range	Managed Site	General Comments
42	4110 - Sugar Maple Association	Sawtimber Well	77.2	85	81-110	N/A	Canopy white ash has all succumbed to EAB. BBD has resulted in about 60% mortality in the beech with significant decline in the remaining stems. Trace red maple in canopy. Trace red pine in far northwest adjacent to stand 33. Rare serviceberry, hemlock (saw only three), alternate leaved dogwood (just saw one), and red berried elder in subcanopy. Clumpy formerly white ash dominated pockets are now occupied by sapling ironwood, hazelnut (occasional), honeysuckle, basswood, and a few advanced sugar maple poles. More beech in southwest. White ash saplings are dense (full) in areas, absent in others. Tagged research plot within southwest corner. May Hardwood, 52-115-07, thinned in 2008 (along with stand 7).
43	4110 - Sugar Maple Association	Sawtimber Well	62.6	85	81-110	N/A	Thinned in 2022, Multifarious Mix (52-120-16). Extreme north tip and far south wedge excluded from thinning. Contractor marked; basswood was heavily marked resulting in over 50% decrease in presence. Pre-thinning, stand was 48% SM to 40% basswood (12% other), post-thinning stand is 80% sugar maple, 15% basswood, and 5% other. Trace quaking aspen, elm, red maple, and beech in canopy. Rare maple leaved viburnum in subcanopy. Inclusion of red and white pine in south and southwest.
44	3303 - Mixed Low Density Trees	Nonstocked	52.9		Unspecified	No	Red and white pine present in pole/sap/log. Wild bergamot present. Burned in the late 2010s (2017 or '18, maybe); on the burn list for 2024. Trace sugar maple and basswood saplings on southwest perimeter, South tip was used as a landing when the stands to the south and far west were harvested. Some heavy slash remains on the landing.
45	4130 - Aspen	Sawtimber Well	2.3	48	141-170	N/A	Clearcut in 1976. Aspen monoculture except for a handful of white pine in the northwest.
46	4130 - Aspen	Poletimber Well	4.6	48	81-110	N/A	Sugar maple and ironwood have been all but outcompeted by the aspen and now exist in the subcanopy. Trace ironwood and beech in canopy; rare serviceberry and white pine subcanopy on road edge in southwest; rare balsam fir and maple leaved viburnum in subcanopy. Witness trees in northwest along road. Supercanopy red and white pine, mostly confined to south. CETA labor to accomplish clearcut in 1975, C227-73.
47	4119 - Mixed Northern Hardwoods	Sapling Medium	11.5	16	1-50	N/A	Sale closed in 2007 (Mammoth Red Pine, 52-108-06)). Formerly red pine plantation, clearcut with 10 - 20 BA of residual red pine. Residual sugar maple, ironwood, elm in pole class now; sapling cohort is still solidly sapling except for a couple cherry pushing pole. Really nice, diverse hardwood regeneration, especially in the south leg. North leg is heavier to black cherry. Northeast leg is heavily browsed with failing regeneration except along the south edge where regeneration is successful. Higher prevalence of serviceberry in north-center portion of stand. Scattered pine volunteers.
48	4133 - Aspen, Mixed Pine	Sawtimber Well	9.2	46	111-140	N/A	Some red pine mortality. Sparse subcanopy with advanced sugar maple, beech, and ironwood (>20'); few sugar maple seedlings. Rare striped maple and basswood in subcanopy. Trace basswood in canopy. Few lingering white ash. Railroad grade through east half of stand (SW-NE).

# Report 7 – Stands

Compartment: 128

Year of Entry: 2026

DNR

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	4130 - Aspen	Sapling Medium	13.1	2	Immature	N/A	Advanced sugar maple saplings (and scattered poles) in harvested portion of stand are residual from parent stand. Dense mullein and some thistle throughout. Hardwood regeneration is heavily browsed, described as "shrubs <5" in the subcanopy. Long term retention includes red pine, jack pine, black cherry, sugar maple, and basswood. LTR subcanopy: raspberry, serviceberry, hawthorn, honeysuckle, trace white pine, beech, ironwood. Parent stand had full sugar maple subcanopy, variable heights. Subcanopy also included elm, beech, black cherry, serviceberry, and hawthorn. Subcanopy post-harvest is heavily browsed and simplified.
50	4110 - Sugar Maple Association	Sawtimber Well	3.6	106	81-110	N/A	Nice quality hardwood. Scattered basswood. Small pocket in northwest with pole/sap black cherry. Rare red maple in canopy (in sw).
51	4110 - Sugar Maple Association	Sawtimber Well	24.2	75	111-140	N/A	Trace elm, black cherry, ironwood, bigtooth aspen in canopy. Rare white ash, striped maple, black cherry, basswood in subcanopy. Band of sap/pole dominated ironwood in northeast; some nice sapling sugar maple on the south end of the band of ironwood.
52	4139 - Aspen, Mixed Deciduous	Poletimber Well	62.9	27	1-50	N/A	Planted in 1931, seed tree cut in 1996. Some dense red pine regen in landing, ~20' tall. Hardwood dominated areas are generally sugar maple and black cherry dominated, still largely sapling size 2-4" diameters. Observed one white pine sapling, one red oak seedling. Some residual hardwood on steep hillside in northeast. Trace BAM, RO, RM, WA, AE in canopy. Rare hawthorn, willow (in southcentral low spot), red maple, striped maple, and witch hazel.
53	4199 - Other Mixed Upland Deciduous	Sapling Well	74.3	27	1-50	N/A	Trace jack pine, pin cherry, balsam fir, and paper birch in canopy. Rare balsam poplar, witch hazel, maple leaved viburnum, white ash, juniper, white pine, jack pine, and alternate leafed dogwood in subcanopy. A lot of serviceberry lingering in the canopy, but will likely stagnate and be overtaken by aspen and/or hardwood in the next 10 years. Scattered advanced pole/log hardwood and aspen, residual from harvest. Red, jack, and white pine had a more pronounced presence in the subcanopy during the previous inventory cycle and are now lacking. Notable increase in hazelnut (or it was buried beneath the snow in 2013) and gooseberry. Aspen is readily moving into a pole class; black cherry is getting there, too. Other hardwood, especially maple and basswood, are slower to achieve pole-size and are very much in the sapling class still. Increase in hawthorn and honeysuckle in east (especially southeast) and a decrease in black cherry presence.
54	4110 - Sugar Maple Association	Sawtimber Well	7.1	84	111-140	N/A	West half is rather variable with aspen (quaking and bigtooth) and smaller diameter hardwood. East half is much more consistently sugar maple and basswood with scattered beech, aspen, and ironwood.Trace black cherry, red maple, and elm in canopy. Rare honeysuckle, elm in subcanopy.
55	4130 - Aspen	Sawtimber Well	20.0	48	81-110	N/A	Stand was cut in 1976, W221-73. Trace beech, ironwood, elm, pin cherry, basswood, bam, and white ash in canopy. Rather simplified subcanopy. 35-40% slope in northwest.

Compartment: 128

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	9.6	92	51-80	N/A	Trace red maple, beech, ironwood in canopy. Rare BAM (on SE perimeter), maple leaved viburnum, red berried elder, alternate leaved dogwood in subcanopy. Jack pine, red pine, white pine sap/poles on east edge with sm, bc, iw, ae, bw saps, too. Dirtbike trail through stand. Dolls eyes, maidenhair fern present. Significant JP CWD; scattered red pine and aspen mortality throughout stand, occasionally white pine. Pole dominated hardwood in southern third of stand; log dominated northern 2/3rds. Somewhat clumpy ironwood and sugar maple subcanopy. Decent amount of sugar maple saplings, advanced - more than usual. Observed clumps of sugar maple seedlings <1' beneath snow.
57	4110 - Sugar Maple Association	Sawtimber Well	84.5	93	81-110	N/A	Trace black cherry and yellow birch in canopy. One pin cherry, 10". Yellow birch is on north slope, on north edge of stand. Some decent terrain in northwest. Couple pockets of sugar maple seed/saps in skid trails, heavily browsed. 8-9 stick trees. Raspberry mostly exists in skid trails anymore. A lot of beech mortality and beech brush along the southern half of the stand. Old Guy Hardwood (52-129-07) thinning in 2010. Pothole TSI in 1996. Portions thinned in 1978 (NESE) C-292-73, 1976 (SESE) C291-73, C202- 73 (N1/2NE).
58	4130 - Aspen	Sapling Medium	27.1	2	Immature	N/A	<ul> <li>Rare hawthorn, alternate leafed dogwood, witch hazel, and hazelnut in the subcanopy.</li> <li>A LOT of mullein in response to disturbance, some thistle. Scattered residual saplings: elm, sugar maple, black cherry, ironwood. Occasional advanced (residual) sugar maple, quaking aspen, ironwood. Heavily browsed hardwood, especially sugar maple and basswood. Aspen is 5-8' (2023 observation).</li> <li>Medium sugar maple subcanopy density in 2013 reduced to low following treatment.</li> <li>Expecting some response from serviceberry in the next cycle based on previous similar treatments.</li> <li>10-20 BA of residual red and white pine.</li> </ul>
59	4130 - Aspen	Poletimber Medium	24.6	26	1-50	N/A	1998 Year of Origin. Raspberry is still lingering in openings and less dense skid trails. Trace white ash and elm in canopy. Rare gooseberry and red pine in subcanopy. Some log-sized aspen around nonforested openings. Three distinct non-forested openings in stand and a couple more on the northwest perimeter.
60	4110 - Sugar Maple Association	Sawtimber Well	20.8	86	81-110	N/A	Select cut in 2006, County Line Hardwood (52-124-06). Trace red/white pine in canopy on northwest edge; trace bigtooth aspen. Rare white pine and honeysuckle in subcanopy. Beech is mostly dead from BBD. Sarsaparilla, maiden hair fern, bedstraw, baneberry, blue cohosh, jack in the pulpit, violet, rose twisted stalk present. Higher beech saplings in west under/near dead canopy beech. Much less desirable regeneration in southwest: ironwood dominated with beech. Some areas with full sugar maple seedlings/saplings <5'; other areas have trace sugar maple under high ironwood sapling densities, 10-20' ironwood. Occasional nice basswood stump sprout (which were heavily browsed during the last inventory cycle).

Compartment: 128

Year of Entry: 2026

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Stand	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments			
61	4110 - Sugar N	/laple Asso	ciation Sa	awtimb	er Well	157.2	85	81-110	N/A		Hardwood poles and elm removed in 1978, C324-73. Thinned in 2017, Big Hardwood Two (52-114-13). Trace bigtooth aspen, red pine, white pine, hemlock, and red maple in canopy. Rare white ash, leatherwood, white pine in subcanopy. Decent poletimber throughout stand. Some nice advanced sugar maple regeneration present. BBD. Decent red berried elder in some skid trails, but a lot of dead RBE, too. Fox tracks. High beech brush in south/south-central portion of stand: trace to low elsewhere. Higher ironwood density here, too. Trace red maple in southwest. More black cherry in west/southwest and a higher density of ironwood saplings associated with it. Regeneration is ironwood dominated with pockets of beech domination. There are nice sugar maple seedlings/saplings throughout, though. Area to the north of the road (far north tip) has a very nice quality and composition to it. Pocket in west was excluded when the rest of the stand was thinned and has a slightly higher BA. Leatherwood present here.			
62	4199 - Other Mixe	ed Upland D	Deciduous Po	bletimb	er Well	9.2	59	51-80	N/A		Aspen has been deteriorating within this stand and hardwood is advancing to take its place in the canopy. Terrific advanced sugar maple regeneration; stand has successfully converted into a pole/sap dominated hardwood stand. Rather hilly stand, some particularly steep. Far southeast has a steep slope with a band of mature hardwood on the top (trace yellow birch and beech included). Rare beech in the subcanopy.			
63	4116 - Mixed N.	6 - Mixed N. Hardwood - Aspen S			Mixed N. Hardwood - Aspen Sapling Mediun			ledium	103.3	27	1-50	N/A		Overstory Removal in 2023. Very few red and white pine residual.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	Approximately 50% subcanopy remains, now represented as canopy. Seed tree harvest in 1996, 20-50 BA red pine (super-canopy) left, then			
	Basswood	5	Pole/Sapling	5		В	leech	Low	< 5 feet	Sapling	direct seeded in 1997 at 1/2 lb red pine seed per acre. Stand originally			
	Beech	5	Pole/Sapling	5							planted to red pine in the early 1930s. Trace amounts of balsam fir (pole, log). Beech becomes increasingly abundant in the east; beech scale			
	Quaking Aspen	35	Pole/Sapling	5	27						present. Larger overall diameter as you progress southbound through the			
	Black Cherry	25	Pole/Sapling	5							stand. Some pockets (<1/4 ac each) of snow/ice damage from previous			
	American Elm	2	Sapling/Pole	2							year(s) where trees are bowed and haven't sprung back. Very heavy browsing on basswood (*noted in understory). Pole-sized timber			
	Red Pine	3	XLog/Log	18	93						represented in the inventory were left uncut (likely due to			
	Sugar Maple	25	Sapling/Pole	3							unmerchantability) during the seed tree harvest. Payment Unit 4 of Cow Pie Pine, 52-008-96.			
64	64 4117 - Mixed N. Hardwood - Pine Sapling Well				7.2	17	1-50	N/A		Rare serviceberry and pin cherry in the subcanopy. Black walnut along				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	south edge: couple mature individuals with occasional saplings. Multistemmed sugar maple in canopy. Fair amount of red pine poles			
	Ironwood	6	Pole/Sapling	5		Suga	ar Maple	Medium	Variable	Sapling	graduated into midcanopy with pole/sap hardwood.			
	Beech	4	Pole/Sapling	6		Re	d Pine	Trace	5 - 10 feet	Sapling	Formerly a red pine plantation, cut in 2006, leaving 20-40BA red pine			
	Black Cherry	5	Pole/Sapling	5		В	leech	Trace	< 5 feet	Sapling	supercanopy. Payment Unit 3 of Cow Pie Pine, 52-008-96.			
	Red Pine	25	XLog/Log/Pole	22	93	Blackber	ry/Raspberry	/ Low	< 5 feet	Tall Shruk				
	Sugar Maple	59	Sapling/Pole	4	17						-			

# Report 7 – Stands

Compartment: 128 Year of Entry: 2026

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Stand	Level 4 Cover Type			Size De	nsity	Acres	Stand Age E	Managed S	Site	General Comments	
65	4110 - Sugar Ma	ciation Sa	awtimbe	er Well	4.8	95	111-140	N/A		Heavy sugar maple poletimber amongst log/Xlog basswood with	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	scattered Xlog sugar maple. One yellow birch in the southwest. One leatherwood in the northeast. Decent quality, high stocking of advanced
	Basswood	53	Log/XLog/Pole	16	95	Irc	onwood	Low	Variable	Sapling	sugar maple sapling/pole class. Multistemmed basswood.
	Ironwood	2	Log/Pole	10		Sug	Sugar Maple		Variable	Sapling	
	Red Pine	5	Log/XLog	16							
	White Pine	2	Log/Pole	14							
	Sugar Maple	30	Pole/Log/XLog	8							
	American Elm	2	Log/Pole	10							
	Black Cherry	3	Log	12							
	Quaking Aspen	3	Log/XLog	16							
66	4110 - Sugar Maple Association		ciation S	Sawtimber Well		4.1	97	111-140 N/A		Center of stand is a small hilltop. North-facing slope to the north half of	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the stand. South half is variable, generally south-facing. Witness tree in southeast. Dirtbike trail runs through stand. Observed one yellow birch
	Red Pine	2	Log	16		Irc	onwood	Medium	Variable	Sapling	sapling (>20') along south edge. Hemlocks are mostly present along
	Basswood	40	Log/Pole	12	83	Ba	lsam Fir	Trace	Variable	Sapling	south edge. Rare basswood in subcanopy.
	Quaking Aspen	1	Log	16		Н	Hemlock		Variable	Sapling	Beech suncanopy density declined from 2013 to 2023 - mortality or differing evaluation of density?
	Sugar Maple	57	Log/Pole	10	97	Sugar Maple		Low	>20 feet	Sapling	
67	42110 - Planted Red Pine Pol		oletimbe	er Well	17.8	23	141-170	N/A		"Black cherry 1%" accounts for other miscellaneous hardwood in canopy	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	trace ironwood, pin cherry, paper birch, red maple, basswood in canopy. Rare sugar maple, hawthorn in subcanopy. Presence of rubus has
	Jack Pine	1	Pole/Sapling	6		Blac	k Cherry	Low	Variable	Sapling	diminished to unreportable levels (from low in 2013).
	Quaking Aspen	2	Pole/Sapling	6		Wł	nite Pine	Trace	Variable	Sapling	Red pine crowns are at 30%; 6-8' between rows. Trees are 40-45' tall with
	Black Cherry	1	Sapling/Pole	3							<sup>3</sup> 5' of merchantable boles. Observed one hemlock sapling, heavily browsed.
	Red Pine	96	Pole/Sapling	7	23						Observed the hernock saping, heavily blowsed.
68	4311 - Pine, Aspen Mix		ſix	Sapling Well		33.7	23	1-50	N/A		Trace pin cherry, elm, white ash, basswood, bigtooth aspen in canopy.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Rare balsam poplar (in south-central landing), white pine, basswood, jac pine in subcanopy. QA and RP are out-competing most hardwood.
	Sugar Maple	3	Sapling/Pole	2		Honeys	suckle (spp.)	Low	< 5 feet	Tall Shrub	Planted red pine is just entering pole class. Aspen is pretty much there
	Paper Birch	1	Sapling/Pole	4		Blackbe	Blackberry/Raspberry Sugar Maple Beech		< 5 feet	Tall Shrub	(pole-sized), but still a lot of sapling present. Next entry might want to
	Ironwood	3	Sapling	2		Sug			Variable	Sapling	break off the aspen/hardwood dominated areas from the red pine; the boundaries are becoming more defined. Some decent slope to east edg
Serv	viceberry (Juneberry)	10	Sapling	2		E			< 5 feet	Sapling	of stand and a little bit along the northeast edge, otherwise plant to gen
	Quaking Aspen	30	Pole/Sapling	6							sloping.
	Red Maple	1	Sapling	3							Trenched and planted in 2000 at 1000tpa - C52-147
	Red Pine	35	Pole/Sapling	5	23						
	Black Cherry	7	Pole/Sapling	5							
	Jack Pine	10	Pole/Sapling	5	23						

# Report 7 – Stands

Compartment: 128

DNR

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	4110 - Sugar Maple Association	Sawtimber Medium	29.5	93	1-50	N/A	Mike Walters Hardwood Research Project. ~50 sq ft of BA was left post harvest as a seed source. Originally part of stand 57. Sprayed 7/24/2020, scarification completed 10/7/2020. Dense rubus response; not much desirable hardwood sapling regeneration; some advanced sugar maple and basswood of mediocre quality. Basswood saplings are mostly stump-sprout origin. No reportable slash on site. One hemlock in northeast. Beech in canopy is mostly dead; <1% alive in canopy. Rare hemlock (one pole) and elm in subcanopy. Red berried elder listed as present from 2013 inventory, but that data was copied from the parent stand. No RBE observed in 2023 - either lost through harvesting and/or herbicide, or was not present in the first place in this portion of the stand.
70	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	29.3	85	111-140	N/A	Stand was broken off from stand 35 to better represent consistency of red pine, averaging close to 30BA here (and lacking in stand 35), although has a wide range of densities. East half of stand is pretty hilly. Old railroad grade through center of stand (SW-NEish). Trace white pine (in west), bigtooth aspen, and beech in canopy. Rare white pine (in west), hazelnut (along trail), gooseberry, and striped maple in subcanopy.
71	3103 - Rubus-Fern	Nonstocked	0.5	0	Unspecified	No	Phenomenal sugar maple sapling regeneration surrounding this non- forested opening. Rare white ash sap in stand. Wild bergamot present.
75	4319 - Mixed Upland Forest	Sawtimber Well	5.1	63	141-170	N/A	Portion of parent stand 10 that was not thinned due to lower stocking of red pine and high prevalence of cherry and subcanopy sugar maple. Trace yellow birch, paper birch, and ironwood in canopy. Rare alternate leaved dogwood in subcanopy. Amazing sugar maple subcanopy slightly less than full in spots, but overall full and pretty nice. Increase in serviceberry subcanopy in east. Aspen clone close to road, absent in back. A pretty moundy stand Little raspberry along road.