

Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52157 Entry Year 2023 Acreage: 1,674

County Cheboygan

Management Area: Chandler Hills

Revision Date: 2021-05-04

Stand Examiner: Tricia St. Pierre

Legal Description:

Cheboygan County, Wilmot Township T33N R03W Sec 21 all 27: portions of W1/2NW 28 all

33: W1/2, NWNE, SWSE

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 inhabitants. To promote native species whenever and wherever appropriate and reasonable to coincide with multiple uses and management objectives across the landscape.

Soil and topography:

Soils in this compartment are dominated by sands (34%) and loamy sands (51%), with lesser amounts of peat (11%), sandy loams (<2%), muck (<2%), and water (<1%). The terrain is highly variable, ranging from 0-60% slopes depending on glacial influence. There are prominent west-facing slopes following along the river corridor. Kotar Habitat Types are dominated by AFO/AFOCa types (1486 acres, approximately 89% of the compartment), supporting nice quality mixed hardwood and pine. Unclassified Lowlands (dominated by Tawas Peat) account for about 10% of the compartment, and PArVHA and PArVVb for approximately 1%.

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

This compartment consists of one contiguous block of state land abutting other state land on the north, east, and west sides, excluding compartment boundaries within section 33, which are largely adjacent to private ownership. Private lands within close proximity are light residential (permanent and seasonal) with larger tracts of land. There is some oil and gas development in the surrounding area as well.

Unique Natural Features:

There recorded MNFI animal occurrences within this compartment. Portions of the West Branch of the Sturgeon River and its tributaries are within the W1/2 Sec 21 and SW1/4 of Sec 28.

Archeological, Historical, and Cultural Features:

There are no known archaeological sites within this compartment.

Special Management Designations or Considerations:

There are no special management designations within this compartment.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment is dominated by northern hardwoods and is part of a much larger landscape featuring this cover type. It provides habitats suitable for pine marten and small mammals as well as songbirds and raptors.

Mineral Resource and Development Concerns and/or Restrictions

Sections 21, 28, & 33, T33N-R3W, Cheboygan Co.

No active sand/gravel pits are known to occur in this area, but the compartment appears to have sand & gravel potential. The southern two-thirds of the compartment is currently leased and held by gas production from the Antrim Shale. However, all the wells in the compartment are currently shut in. The compartment is near the northern limit of the Antrim Shale, well production here is probably marginal, and additional future Antrim wells are unlikely. A Collingwood Formation test well was drilled in Sec 21 in 2011, but it did not produce. The Collingwood has not been shown to be an economical

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play in Michigan at this time. There is no known potential for metallic minerals in this part of the state.

Vehicle Access:

Vehicle access is decent but limited by season and vehicle type. Unstable, sometimes wet or sandy soils can limit reliable access to all corners of this compartment. Many trails can become very steep, narrow, and/or rutted. The county roads are most reliable for ease of access, whereas state forest roads and trails are somewhat unkempt.

Survey Needs:

There are no immediate survey needs within this compartment.

Recreational Facilities and Opportunities:

Snowmobile Trail 765 follows Perry Road and Wilderness Road during the winter months. The Tomahawk Motorcycle Trail C Loop (also the Tomahawk to Kalkaska MCCCT North) meanders through this compartment.

Fire Protection:

There are very few if any volatile covertypes within this compartment. Fire response would be quickest with a Type 6 engine considering the slopes, soils, tight forest roads, and overall ease of maneuvering. Water access for drafting is possible at the bridge crossing the west branch of the Sturgeon, though caution should be had for knowing weight restrictions on the bridge.

Additional Compartment Information:

The following reports from the Inventory are attached:

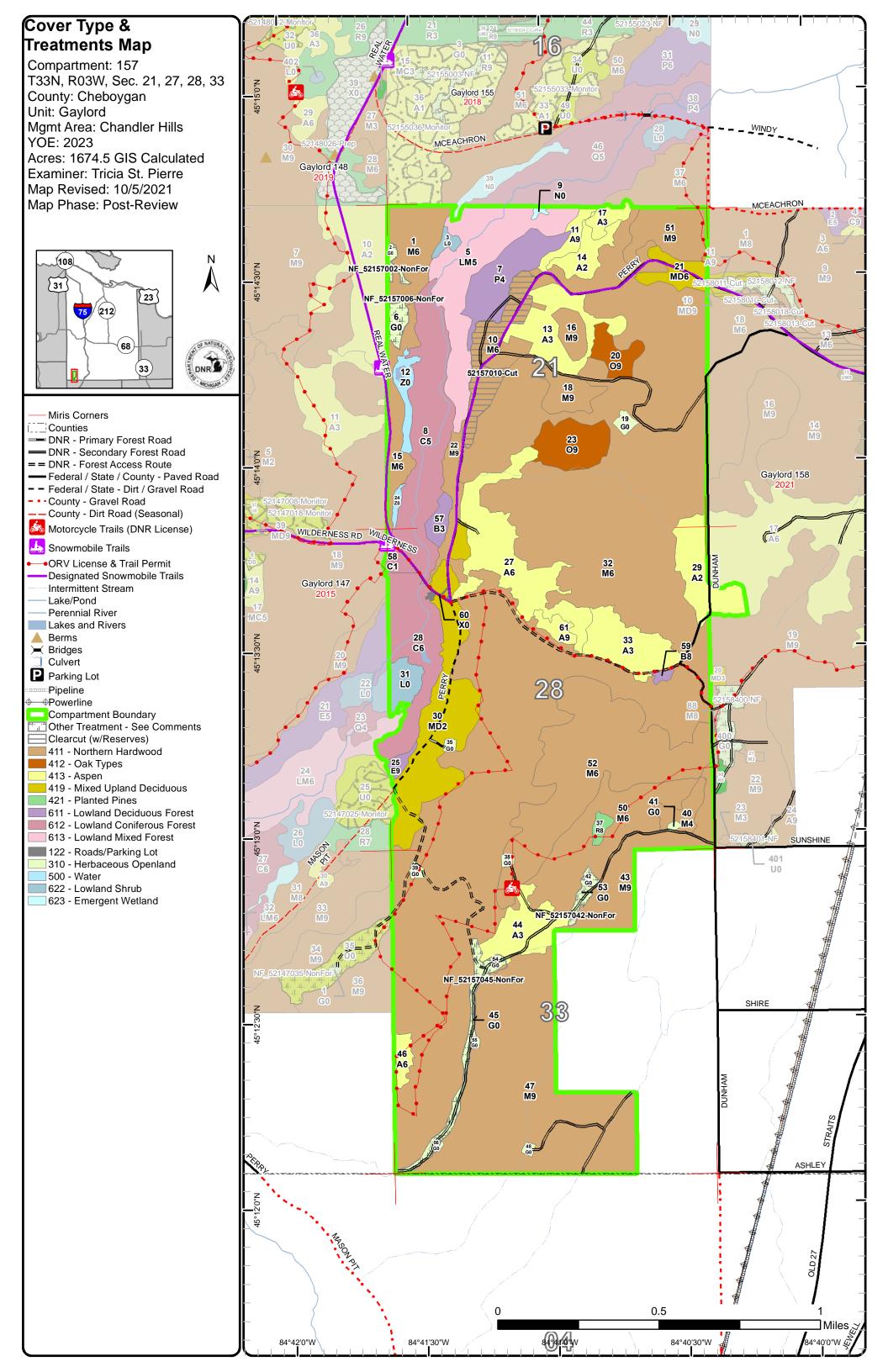
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

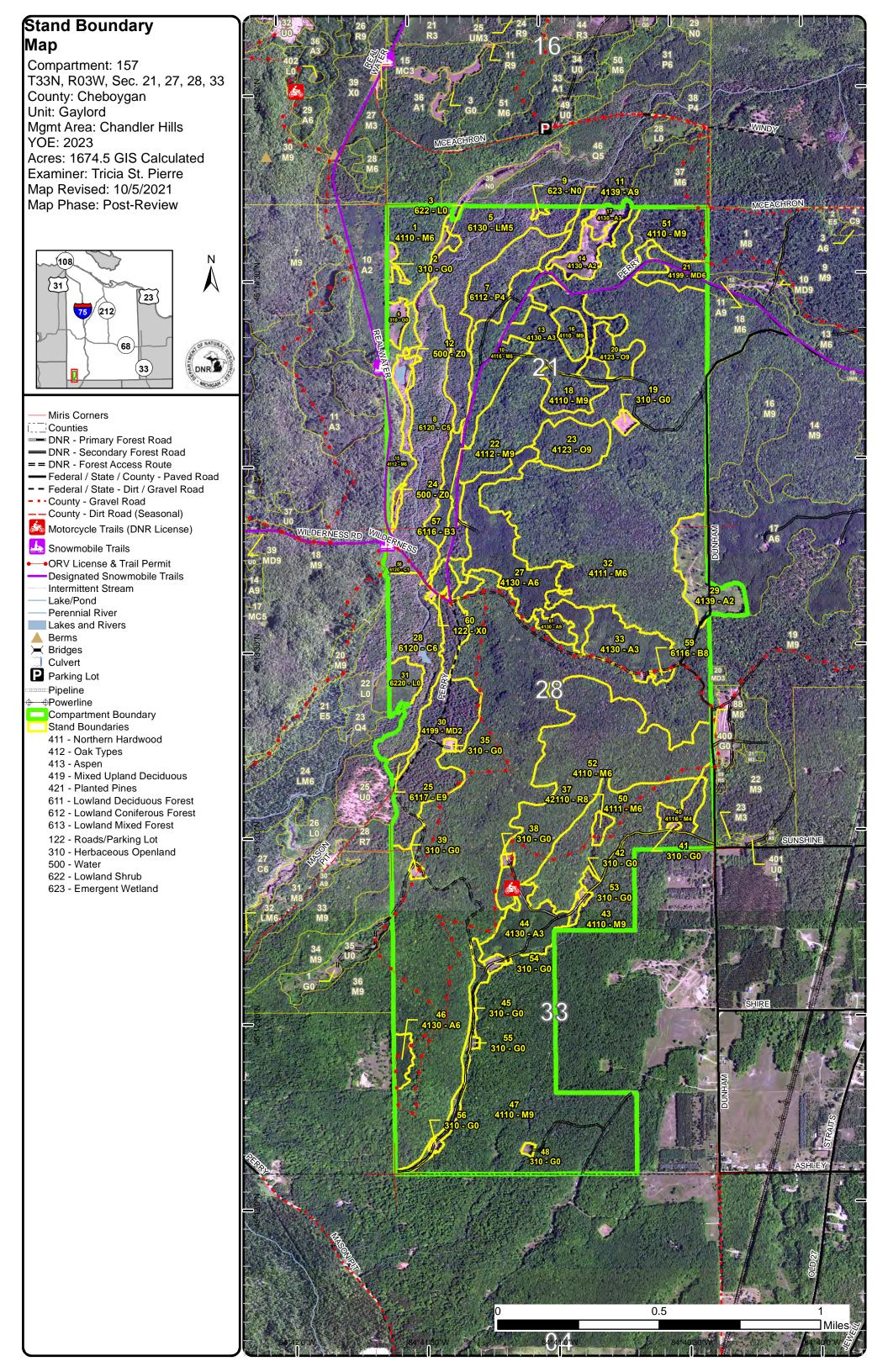
The following information is displayed, where pertinent, on the attached compartment maps:

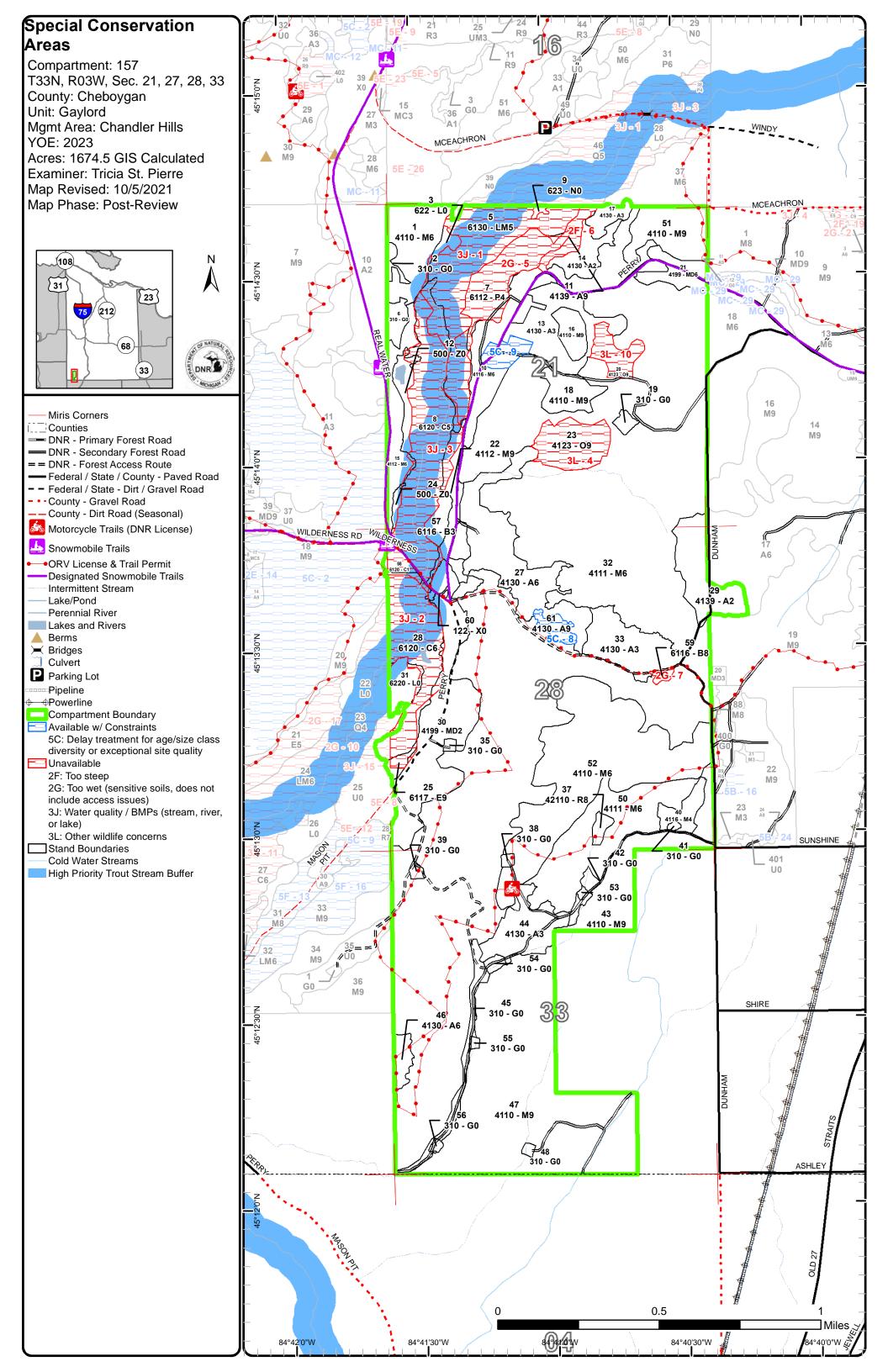
Base feature information, stand boundaries, cover types, and numbers

Proposed treatments
Site condition boundaries

Details on the road access system







Tricia St. Pierre : Examiner

Compartment 157 Year of Entry 2023



Age Class

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Aspen	0	39	72	0	54	0	0	5	0	6	0	0	0	0	0	0	0	0	176
Cedar	0	0	0	0	0	4	0	0	0	39	0	0	0	0	0	0	0	60	103
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Deciduous	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	56
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	62	0	10	0	0	0	0	0	0	0	0	0	0	0	72
Northern Hardwood	0	0	0	0	0	0	0	8	87	992	65	0	0	0	0	0	0	0	1152
Oak	0	0	0	0	0	0	0	0	19	10	0	0	0	0	0	0	0	0	29
Paper Birch	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	6
Red Pine	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Total	53	39	72	0	116	9	35	13	106	1053	122	0	0	0	0	0	0	60	1678



Report 2 – Treatment Summary

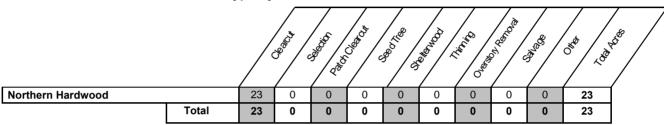
Gaylord Mgt. Unit Year of Entry: 2023

Acres of Harvest

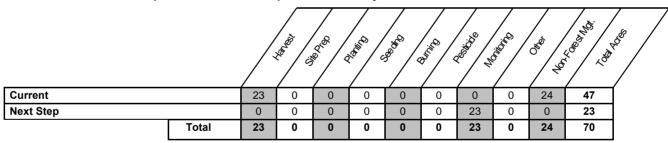
Compartment 157
Total Compartment Acres: 1,674

Commercial Harvest - 23 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Size

n

d

Compartment: 157 Year of Entry: 2023

Treatment Name

Stand Acres CoverType

Stand Density Age

BA Range **Treatment** Type

Treatment Method

Cover Type Objective

Age Structure Habitat Cut

Approved Treatments:

52157010-Cut 23.0 4116 - Mixed N. Poletimber 74 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Hardwood - Aspen Well Retention

Prescription Final harvest excluding areas of desirable hardwood (to be managed selectively with adjacent hardwood stand). Do not cut any oak. Sign Specs:

and protect snowmobile trail during harvesting and hauling operations.

Retention has been identified as the northernmost tip of the stand but may be adjusted if more suitable locations are found during timber

sale preparation.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration will meet minimum stocking requirements for aspen. The inclusion of hardwood at any level will be acceptable.

Regen:

Other Push harvest into stand 32 where aspen is present.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

NF 52157002-2.1 310 - Herbaceous Nonstocked Unspec NonForestMgt Other - Specify 3105 - Mixed No ified Upland NonFor Openland Herbaceous

Prescription Conduct opening maintenance using whatever techniques deemed necassary from the appropriate wildlife personnel

Specs:

Next Step

Treatments:

Acceptable

Regen:

FTP W52-415 Old next step comments: monitor success of treatmeant Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

NF 52157006-4.7 310 - Herbaceous Nonstocked Unspec NonForestMgt Other - Specify 3105 - Mixed No Openland Upland NonFor ified Herbaceous

Prescription Conduct opening maintenance using methods approved by wildlife personnel

Specs:

Next Step Treatments:

<u>Acceptable</u> Regen:

Other FTP W52-415. Old next step comments: monitor success of the treatment

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

S t		Gaylord	Mgt. Unit		Repoi	rt 3 ⁻	Treatments		Compartmer Year of Entr		OF NATURAL DURANTE OF NATURAL DIRECTION OF NATURA DIRECTION OF NATURAL DIRECTION OF NATURA DIRECTION OF NATURA DIR
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
42	NF_52157042- NonFor	3.8 3	110 - Herbaceous Openland	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
Pres Spec		ct opening r	maintenance using	methods a	approve	d by wildl	ife personnel				
	Step tments:										
Acce Rege	eptable en:										
Othe Com	<u>er</u> FTP W ment:	/52-415. OI	d next step comm	ents: monit	tor the s	success of	the treatment				
Site	<u>Condition</u>										
Prop	osed Start Date	<u>e:</u> 10/1 /202	22								
45	NF_52157045- NonFor	· 13.3 3	310 - Herbaceous Openland	Nonstock	ed	Unspec ified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
Pres Spec		ct opening r	maintenance using	methods a	approve	d by wildli	fe personnel				
	Step tments:										
Acce Rege	eptable en:										
Othe Com	er FTP W ment:	/52-415. OI	d next step comm	ents: monit	tor succ	ess of the	treatment				
Site	<u>Condition</u>										
Prop	osed Start Date	<u>e:</u> 10/1 /202	22								

Total Treatment Acreage Proposed: 46.9

Tricia St. Pierre : Examiner

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Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres	Do	omina	nt Site	e Cond	ditions	S
Acres	Available	With Condition	Not Available		5C	2F	2G	3J	3L
176	165	5	6	Aspen	5	6			0
102	2	0	100	Cedar	0		0	100	
31	31	0	0	Herbaceous Openland					
25	0	0	25	Lowland Aspen/Balsam Poplar			24	0	
3	1	0	2	Lowland Deciduous				2	
56	0	0	55	Lowland Mixed Forest			2	54	
11	10	0	1	Lowland Shrub				1	
1	1	0	0	Marsh					
72	70	0	2	Mixed Upland Deciduous				2	
1151	1140	6	5	Northern Hardwood	6			5	
29	0	0	29	Oak					29
6	5	0	1	Paper Birch			1		
3	3	0	0	Red Pine					
1	1	0	0	Urban				0	
9	8	0	1	Water				1	
1,674	1,437	11	226	Total Forested Acres	11	6	28	164	29
	86%	1%	14%	Relative Percent					

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

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	59	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
	Comments: Evaluated for SBW	Salvage. Stand was declined	due to E	BMP/stream concerns.			
2	Unavailable	3J: Water quality / BMPs	40	Unspecified	Unspecified	Unspecified	Unspecified
		(stream, river, or lake)					
	Comments:	(stream, river, or lake)					

Report 4 – Site Conditions

Gaylord Mgt. Unit

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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	65 Unspecified		Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3L: Other wildlife concerns	19	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
	Steep hillsides on t	ds to maintain an important ma he west and southwest. Platear well pad requiring road improve	us in no				
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Steep, potential for	seeps, wet bottom. Adjacent h	arvest (stand 14 and 17) cut all op	erable ground.		
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Seep and drainage	supporting a highly diverse sul	bcanopy				
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Minimal acreage. H	larvest with adjacent aspen wh	en read	<i>l</i> .			

Report 4 – Site Conditions

Compartment: 157

Gaylord Mgt. Unit

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9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Fo be managed se	electively with adjacent hardwood	d stand.				
10	Unavailable	3L: Other wildlife concerns	10	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified

Comments:

Retaining oak stands to maintain an important mast source with the loss of beech and difficulty in regenerating oak with browsing pressure.

Steep slopes in the west and south. Stand plateaus in the central and east portions. Heavy browsing pressure. Somewhat difficult access without major road work.

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Mgt. Unit

Compartment: #Type! Year of Entry:

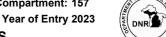


Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Gaylord Mgt. Unit Compartment: 157



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.

Conservatio Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxyge stocked trout populations and those of other coldwater fis year to year. Coldwater streams in Michigan typically procontributions of groundwater to their stream flows. Such s designated as trout resources by Fisheries Order 210.	sh species (e.g., slimy sculpin) to persist from vide these conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosys influences the aquatic ecosystem and vice-versa. Becaus streams and open water wetlands, riparian areas harbor a communities are ecologically and socially significant in the as aesthetics, habitat, bank stability, timber production, and	se of the unique conditions adjacent to lakes, a high diversity of plants and wildlife. Riparian heir effects on water quality and quantity, as well



Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age E	A Range	Managed \$	Site	General Comments			
1	4110 - Sugar N	/laple Asso	ciation F	oletimb	er Well	26.1	77	51-80	N/A		Trace white pine, red pine, jack pine in canopy, specifically around non-			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	forested opening and gaps. Conifer more consistently present in north half of stand. Eastern edge drops down into stream corridor. Without a			
	Sugar Maple	45	Pole/Log	8	77	E	Beech	Low	Variable	Sapling	firm bottom, this should be excluded from any management activity.			
	Red Maple	5	Log/Pole	10		Iro	nwood	High	Variable	Sapling	Beech more prominent on this slope. Lingering dead, standing white ash			
	Basswood	35	Log/Pole	10		Ва	Isam Fir	Low	Variable	Sapling	(EAB mortality); black cherry falling out. Trace yellow birch along the bottom edge of the slope into the stream corridor.			
	Quaking Aspen	1	Log/Pole	12		Re	ed Pine	Low	Variable	Sapling	Rare occurrences of white spruce, red oak, witch hazel, white ash, and			
	Black Cherry	2	Log/Pole	10		Wh	nite Pine	Low	< 5 feet	Sapling	serviceberry in subcanopy. Significant amount of advanced ironwood in			
	Beech	3	Pole/Log	8		Sug	ar Maple	Medium	>20 feet	Sapling	the subcanopy, >20', 1-2" dbh, waiting patiently.			
	Ironwood	4	Sapling/Pole	4		Maple Lea	aved Viburnum	Trace	< 5 feet	Tall Shrub				
	American Elm	1	Pole	6		Haze	Inut (Spp.)	Trace	5 - 10 feet	Tall Shrub				
	Bigtooth Aspen	2	Log/Pole	12							1			
	Balsam Fir	2	Pole/Log/Sap	7										
3	622 - Lov	vland Shrub	0	Nonsto	cked	Spotted	nopy Species d Knapweed suckle (spp.)	Full Trace	Avg. Height Unspecified 5 - 10 feet No	Size Non-Wood Tall Shrub				
5	6130 - Fir,			letimber			90	51-80	N/A	O.	Braided streams associated with the West Branch of the Sturgeon River. Trace black cherry, beech, red oak, elm, white pine in the canopy. Rare			
	Canopy Species Red Maple	% Cover	Size Class Pole/Log	8	Age 90		nopy Species d Maple	Density Trace	Avg. Height 5 - 10 feet	Size Sapling	occurrences of cedar (saps), alder leaf buckthorn, blueberry,			
	Quaking Aspen	5	Log/Pole/XLog		90		Isam Fir	Medium	Variable	Sapling	honeysuckle, red osier dogwood, wild raisin, white pine, gooseberry, michigan holly, and elm in the subcanopy.			
	Balsam Fir	39	Pole/Sap/Log	-			k Spruce	Trace	< 5 feet	Sapling	High density of paper birch saplings in the far north expanding into the			
	Black Spruce	2	Pole/Log	8			ack Ash	Medium	Variable	Sapling	adjacent compartment. Extreme northeast tip is dominated by spruce			
No	rthern White Cedar	5	Log/XLog/Pole		90		per Birch	Trace	>20 feet	Sapling	with scattered paper birch, cedar, quaking aspen. BAs vary, 60, 40, 80, 90, 20.			
INO	Tamarack	1	Pole	6	30		Inut (Spp.)	Trace	5 - 10 feet	Tall Shrub	· · · · · · · · · · · · · · · · · · ·			
	White Spruce	2	Log/Pole	12			Beech	Trace	Variable	Sapling				
	Paper Birch	1	Log/Pole/Sap				ck Cherry	Trace	>20 feet	Sapling				
	Yellow Birch	2	Pole/Log/Sap				nwood	Trace	Variable	Sapling				
	Basswood	1	Log/Pole	12		110	/114700u	Trace	variable	Capinig				
	Dasswood		Lug/Fule	12										



Compartment: 157

Gaylord Ingl. Offic									Year of Entry: 2023				
Stand	Level 4 C	over Type	s S	ize De	ensity	Acres S	Stand Age BA	A Range	Managed	Site	General Comments		
6	310 - Herbac	eous Ope	nland	Nonst	ocked	4.7	Un	specified	Managed C	pening	Wildlife opening maintenance. FTP W52-415.		
						Sub-Cand	py Species	Density	Avg. Height	Size	Jack pine, white pine, black cherry, elm, raspberry, red pine, red maple, sugar maple, serviceberry, balsam fir, guaking aspen, basswood,		
						Spotted I	Knapweed	Full	5 - 10 feet	Non-Wood	ironwood, beech all encroaching on the perimeter. Low presence of		
						Bracke	en Fern	Trace	5 - 10 feet	Non-Wood	mullein.		
						Black	Cherry	Low	>20 feet	Log			
						Sugar	Maple	Trace	>20 feet	Pole			
						Honeysu	ckle (spp.)	Trace	5 - 10 feet	Tall Shrub			
						Iron	wood	Trace	>20 feet	Sapling			
7	6112 - Lov	wland Asp	en Po	oletimb	er Po	or 25.1	58	1-50	N/A		Formerly an E6, dominated by black ash. EAB decimated the ash in the		
(Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Cand	py Species	Density	Avg. Height	Size	canopy, resulting in an understocked lowland deciduous and balsam fir stand with high black ash sapling regenerating. Trace black spruce, silver		
	Red Maple	2	Pole/Sapling	6		Balsa	am Fir	Medium	Variable	Sapling	maple in the canopy. Rare basswood, elm, cattails in the subcanopy.		
	Basswood	3	Log/Pole	10		Blac	k Ash	High	>20 feet	Sapling	Canopy data is based on observations from the northeast quarter and the		
(Quaking Aspen	27	Pole/Log	8		Black	Cherry	Trace	10 - 20 feet	Sapling	south half. Did not see northwest quarter of stand which looks slightly more open.		
	Balsam Fir	30	Pole/Sap/Log	6	58	Honeysu	ckle (spp.)	Trace	< 5 feet	Tall Shrub			
Nort	hern White Cedar	2	Log/XLog	14		Hazeln	ut (Spp.)	Trace	5 - 10 feet	Tall Shrub			
	White Spruce	3	Log/Pole	10		Americ	can Elm	Trace	>20 feet	Sapling			
	Paper Birch	1	Pole/Sapling	6		merican High	bush Cranber	rı Trace	5 - 10 feet	Tall Shrub			
	Yellow Birch	2	Pole/Log/Sap	6		Alder Leave	ed Buckthorn	Trace	< 5 feet	Tall Shrub			
[Balsam Poplar	25	Pole/Log	8		Red Osie	r Dogwood	Trace	< 5 feet	Tall Shrub			
	American Elm	5	Pole/Log	8									
8	6120 - Lov	wland Ced	lar Pole	etimbe	r Medi	um 59.9	78 1	111-140	N/A		A large, variable lowland complex of various ages, size classes,		
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Cand	py Species	Density	Avg. Height	Size	composition. Areas dominated by log cedar; areas dominated by pole/sap maple and birch. Areas of logs, pockets of poles, open canopy		
	Balsam Fir	10	Pole/Log/Sap	6	47	Balsa	am Fir	High	Variable	Sapling	with alder and saplings. Occasional areas of fir/cedar blow-down.		

Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole/Log/Sap	6	47	Balsam Fir	High	Variable	Sapling
Northern White Cedar	63	Pole/Log/XLog	8	78	Tag Alder	Low	5 - 10 feet	Tall Shrub
White Spruce	3	Log	14		White Spruce	Low	Variable	Sapling
Black Spruce	5	Log/Pole	10		Blueberry/Bilberry/Cranberry	Trace	< 5 feet	Tall Shrub
Red Maple	5	Log/Pole/Sap	12		Black Spruce	Low	Variable	Sapling
Paper Birch	4	Log/Pole/Sap	10		Northern White Cedar	Trace	< 5 feet	Sapling
Yellow Birch	3	Pole/Log/Sap	8		Black Ash	Trace	Variable	Sapling
Hemlock	2	Log/Pole	10		Black Cherry	Trace	5 - 10 feet	Sapling
White Pine	2	XLog/Log/Pole	20		Beech	Low	Variable	Sapling
Tamarack	3	Log	14		Sugar Maple	Trace	Variable	Sapling
					Honeysuckle (spp.)	Trace	< 5 feet	Tall Shrub
					Labrador Tea	Trace	< 5 feet	Tall Shrub

Scattered Xlog stumps. Braided streams and very saturated ground.

Rare hazelnut and dwarf scouring rush.

Report 7 - Stands

Compartment: 157 Year of Entry: 2023



Stand	Level 4 Co	over Type	e Si	ize Den	sity	Acres	Stand Age B	A Range	Managed	Site	General Comments
9	623 - Emer	gent Wetl	and N	Nonstoo	ked	0.8	Ur	nspecified	No		Old beaver activity.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ca	ttail spp.	Medium	Unspecified	Non-Wood	
						Blac	ck Spruce	Medium	Variable	Sapling	
						Ва	lsam Fir	Medium	Variable	Sapling	
						Е	Bulrush	Low	Unspecified	Non-Wood	
						Pa	per Birch	Low	>20 feet	Sapling	
						merican Hi	ghbush Cranbei	rr Trace	5 - 10 feet	Tall Shrub	
						ВІ	ack Ash	Low	Variable	Sapling	
						Northern	n White Cedar	Trace	< 5 feet	Sapling	
						Wi	ld Raisin	Trace	10 - 20 feet	Tall Shrub	
						Red Os	sier Dogwood	Trace	5 - 10 feet	Tall Shrub	
						Re	ed Maple	Low	Variable	Sapling	
10	4116 - Mixed N. I	Hardwood	I - Aspen Po	letimbe	r Well	31.9	74	81-110	N/A		Rare occurrences of elm, cherry, yellow birch, white spruce in the subcanopy. Trace paper birch, yellow birch, beech, white cedar, white
	Canopy Species	% Cove	r Size Class	DBH		Sub-Ca	nopy Species	Density	Avg. Height	Size	spruce, black cherry, elm in canopy. (One hemlock along western
	Sugar Maple	31	Pole/Log	8	74	Lea	therwood	Low	Variable	Tall Shrub	perimeter.) Fairly dense leatherwood in the northernmost portion east of
	Red Maple	25	Pole/Log	8	74	BI	ack Ash	Trace	Variable	Sapling	the road, Rather mixed stand, though dominated by sugar maple, aspen, and red
	Basswood	6	Log/Pole	10		Haze	elnut (Spp.)	Trace	5 - 10 feet	Tall Shrub	maple in varying densities. South to north: sugar maple/bta dominated to
	Quaking Aspen	10	Log/Pole	10		Ir	onwood	Trace	Variable	Sapling	quaking aspen/red maple; more balsam fir in the north half (also wetter).
	Bigtooth Aspen	15	Log/XLog	14		Ва	alsam Fir	High	Variable	Sapling	Slopes down on northwest edge into lowland; south is high and dry.
	Balsam Fir	5	Pole/Log	8		Suç	gar Maple	Trace	Variable	Sapling	BAs range 50-100, averaging 79.
	Red Oak	5	Log/Pole	10		R	ed Oak	Trace	10 - 20 feet	Sapling	
	Balsam Poplar	1	Log	12			Beech	Trace	Variable	Sapling	
	Ironwood	2	Pole/Sapling	6							
11	4139 - Aspen, I	Mixed Dec	ciduous Sa	wtimbe	r Well	5.7	86	51-80	N/A		Trace red oak (in south), basswood (in southwest) in canopy. Rare white spruce, ironwood in subcanopy.
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Balsam fir blow-down along east edge of stand. Westerly-facing slope,
	Red Maple	25	Log/Pole	10		Ва	ılsam Fir	Medium	Variable	Sapling	steep in areas; very wet at bottom. More typical low quality upland mix on
	Paper Birch	1	Pole/Log	8							hillside (sugar maple, bigtooth) transitioning to low quality quaking aspen
	Quaking Aspen	40	Log/Pole/XLog	14	86						with high density balsam fir at bottom of the slope. Adjacent clearcut went to the edge of operable ground.
	Balsam Fir	16	Pole/Log	8	61						and the state of t
	White Spruce	1	Log	12							
Noi	rthern White Cedar	1	Log/Pole/XLog	14							
	Sugar Maple	5	Pole/Sap/Log	6							
	Bigtooth Aspen	10	Log/XLog	16							

Yellow Birch

Pole/Log

8

Compartment: 157 Year of Entry: 2023



Stand	Level 4 C	Size Density			Acres	Stand Age E	BA Range	Managed	Site	General Comments		
12	500	- Water		Nonsto	cked	7.2	L	Jnspecified	No		One red pine sapling, 5-10'. Dead cedar, pole/sap/log. Stream corridor	
						Sub-Ca	nopy Species	Density	Avg. Height	Size	and a beaver flooding. A half-acre pocket along the west edge along the stream corridor is filling in with balsam fir, red maple, cedar, hemlock,	
						Ta	amarack	Low	Variable	Sapling	and yellow birch.	
						Pa	per Birch	Trace	10 - 20 feet	Sapling		
						Ва	ılsam Fir	Low	Variable	Sapling		
						Northern	n White Cedar	Medium	5 - 10 feet	Sapling		
						Blad	ck Spruce	Trace	5 - 10 feet	Sapling		
						Wi	llow spp.	Trace	5 - 10 feet	Tall Shrub		
						Ca	ttail spp.	Trace	Unspecified	Non-Wood		
13	4130	- Aspen		Sapling	Well	25.9	16	Immature	N/A		More Extreme Aspen, cut in 2005.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace red oak, balsam fir, elm, basswood, black cherry, and striped maple in the canopy. Trace log/pole residual sugar maple and pole/sap	
	Quaking Aspen	5	Sapling	3		Prickly Or \	Wild Gooseber	rry Trace	< 5 feet	Tall Shrub	ironwood, too. Rare occurrences of alternate leaved dogwood,	
	Bigtooth Aspen	80	Sapling/Pole	3	16	Maple Le	aved Viburnum	n Low	< 5 feet	Tall Shrub	honeysuckle, hazelnut, leatherwood, white spruce, and red pine in the	
	Pin Cherry	5	Sapling/Pole	2		Ire	onwood	Medium	Variable	Sapling	subcanopy. Some squirrel damage (stripping of all bark) on sugar maple in northeast. Limited snow damage (arching) of pin cherry.	
	Sugar Maple	2	Sapling	1			Beech	Trace	Variable	Sapling	in Horarous. Elimiou onew damage (droning) or pin onerry.	
	Ironwood	3	Sapling	1		Blackbe	rry/Raspberry	Low	< 5 feet	Tall Shrub		
	Beech	1	Sapling	1		Sug	gar Maple	Low	Variable	Sapling		
	White Ash	1	Sapling/Pole	2		W	hite Ash	Medium	Variable	Sapling		
	Paper Birch	1	Sapling	2		Ва	ılsam Fir	Low	Variable	Sapling		
	Red Oak	2	Log/XLog/Pole	16		Strip	oed Maple	Trace	Variable	Sapling		
						R	ed Oak	Trace	Variable	Sapling		
						Pii	n Cherry	Trace	Variable	Sapling		
14	4130	- Aspen	S	apling N	/lediu	m 10.3	6	Immature	N/A		Harvest completed 9/2015, Monstrous Aspen, 52-140-13-01.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Significant browsing pressure. Hardwood is multi-stemmed, stump sprout, browsed. Trace paper birch in the canopy. Scattered residual	
	Sugar Maple	2	Sapling	1		Blackbe	rry/Raspberry	Full	5 - 10 feet	Tall Shrub	sap/pole hardwood and balsam fir; one residual log beech. Stand will	
	Quaking Aspen	10	Sapling	1		Ва	alsam Fir	Low	Variable	Sapling	hopefully advance to an A3 over the next inventory cycle with beech, asl	
	Pin Cherry	5	Sapling	1			Beech	Low	Variable	Sapling	and ironwood sort of filling in the gaps. Trace gooseberry, white spruce, striped maple, and witch hazel in the subcanopy.	
	Red Maple	2	Sapling	1		Brad	cken Fern	Trace	Unspecified	Non-Wood	striped maple, and witen nazer in the subsanopy.	
	White Ash	5	Sapling	1		R	ed Oak	Trace	< 5 feet	Sapling		
	Red Oak	1	Sapling	1		Honey	suckle (spp.)	Trace	< 5 feet	Tall Shrub		
	Basswood	2	Sapling	1		Sug	gar Maple	Trace	< 5 feet	Tall Shrub		
	Ironwood	5	Sapling	1				,		,	•	
	Beech	9	Sapling	1								
	Balsam Fir	1	Sapling/Pole	1								
						†						

Bigtooth Aspen

58

Sapling

1 6

Report 7 - Stands Gaylord Mgt. Unit



Stand	d Level 4 Cover Type		S	Size Density		Acres Stand Age BA	Range	Managed S	Site	General Comments		
15	4112 - Maple, Beed	ch, Cherry /	Association Po	oletimbe	er Wel	l 18.3 79	51-80	N/A		Very steep, many areas inoperable due to slope and saturated bottom; slopes down to west branch of the Sturgeon River. Trace beech, red oak		
	Canopy Species	% Cover	Size Class	DBH		Sub-Canopy Species	Density	Avg. Height	Size	white pine, elm, paper birch, white spruce, white cedar, and yellow birch		
	Sugar Maple	21	Pole/Log/Sap	6	79	Balsam Fir	Full	Variable	Sapling	in canopy. Rare occurrences of servieberry, white spruce, black cherry,		
	Basswood	2	Pole/Log	8		Ironwood	Low	Variable	Sapling	honeysuckle, maple leaved viburnum in subcanopy. One alternate-leave dogwood; trace mountain maple and wild raisin. One hemlock (10").		
	Black Cherry	1	Log/Pole	10		Sugar Maple	Low	>20 feet	Sapling	Consistent balsam fir subcanopy, but sporadic in the canopy. Generally		
	Quaking Aspen	4	Log/Pole	12		Beech	Trace	Variable	Sapling	red maple dominated stand with varying size classes.		
	Bigtooth Aspen	3	Log	14		Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub			
	Red Maple	64	Pole/Log	8	79	Witch Hazel	Trace	5 - 10 feet	Tall Shrub			
	Balsam Fir	5	Pole/Log/Sap	8								
16	4110 - Sugar N	Maple Asso	ciation Sa	awtimbe	er Wel	I 7.5 90 1	11-140	N/A		BA dropped from 123 (in 2011) to 112 (in 2021) in the wake of EAB and		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	BBD mortality in ash and beech, respectively. Many snags and some horizontal wood debris.		
	Sugar Maple	74	Log/Pole	10	90	Beech	Low	Variable	Sapling	Heavier to pole sugar maple on the west side of the stand; log elsewhere		
	Basswood	20	Log/Pole	12		Ironwood	Medium	Variable	Sapling	Trace elm, red maple, bigtooth in canopy. Rare striped maple, white		
	Red Oak	5	Log/XLog	15		White Ash	High	Variable	Sapling	spruce, balsam fir in subcanopy.		
	Beech	1	Pole/Log	8		Prickly Or Wild Gooseberry	Trace	< 5 feet	Tall Shrub			
						Sugar Maple	Trace	< 5 feet	Sapling			
17	4130	- Aspen	;	Sapling	Well	5.4 6 Im	mature	N/A		Stand was harvested in 2016: Monstrous Aspen, 52-140-13-01, after		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	being varianced from a selection to a clearcut. Couple of seeps on the hillsides, one occupied by bulrush. Northeast is		
	Beech	2	Sapling	1		Red Maple	Trace	< 5 feet	Sapling	lesser stocked and heavier to hardwood.		
	Quaking Aspen	5	Sapling	1		Blackberry/Raspberry	Full	5 - 10 feet	Tall Shrub			
	Ironwood	1	Sapling	1		Balsam Fir	Low	Variable	Sapling			
	Sugar Maple	1	Sapling	1		Ironwood	Low	Variable	Sapling			
	Bigtooth Aspen	91	Sapling	1	6	Red Oak	Trace	Variable	Sapling			
						Maple Leaved Viburnum	Trace	5 - 10 feet	Tall Shrub			
18	4110 - Sugar I	Maple Asso	ciation Sa	awtimbe	er Wel	l 11.7 89 8	31-110	N/A		Trace ironwood, elm, red maple in the canopy. Scattered dead ash		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	(EAB). More beech, bigtooth aspen in the east, especially the east		
	Sugar Maple	70	Log/Pole	12	89	Beech	Medium	Variable	Sapling	triangular tip with less (75%) canopy closure. A couple pockets of decent sugar maple regeneration (>20', sapling), though most of the		
	Basswood	23	Log/Pole/XLog			Striped Maple	Low	Variable	Sapling	regeneration is a mix of ironwood, ash, and beech.		
	Bigtooth Aspen	2	Log	16		Ironwood	Medium	Variable	Sapling	South hillside is very steep.		
	Beech	2	Log/Pole	10		White Ash	Low	Variable	Sapling	Average BA is currently 98 (as of 1/2021).		
	5 10 1	3	Log/XLog	16		Sugar Maple	Low	Variable	Sapling			
	Red Oak	3										
	Red Oak	3				Prickly Or Wild Gooseberry	Trace	< 5 feet	Tall Shrub			
	Red Oak	3				Prickly Or Wild Gooseberry Alternate-leaved Dogwood	Trace Trace	< 5 feet 5 - 10 feet	Tall Shrub			
19	Red Oak 310 - Herbac			Nonsto	cked	Alternate-leaved Dogwood				Abandoned well St Wilmot 1-21. Marathon has a multi-year restoration		
19				Nonstoo	cked	Alternate-leaved Dogwood	Trace			Abandoned well St Wilmot 1-21. Marathon has a multi-year restoration and monitoring plan that started in 2019. DNR agreed the gate along the		
19				Nonstoo	cked	Alternate-leaved Dogwood 2.1 0 Uns	Trace	5 - 10 feet	Tall Shrub	Abandoned well St Wilmot 1-21. Marathon has a multi-year restoration and monitoring plan that started in 2019. DNR agreed the gate along the access road could stay in place to protect restoration. Post restoration,		

14

12

Log

Log/Pole

Maple Leaved Viburnum

Ironwood

Compartment: 157 Year of Entry: 2023



Stan	d Level 4 C	over Type	Size Density		Acres Stand Age BA Range		A Range	Managed S	Site	General Comments				
20	4123 -	- Red Oak	Sa	awtimber Wel	I 9.5	84	81-110	N/A		Trace beech, red maple, yellow birch in canopy.				
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Northwest hillside has high stocking of striped maple underneath bigtooth and oak on a fairly steep westerly-facing slope; bigtooth is lacking in				
	Sugar Maple	5	Log/Pole	10	Е	Beech	Trace	Variable	Sapling	presence elsewhere. Striped maple is low to trace elsewhere. Ironwood subcanopy is most prominent in the east/northeast. Maple-leaved				
	Basswood	1	Log/Pole	10	Iro	nwood	Medium	Variable	Sapling					
	Quaking Aspen	2	Log/Pole	12	Striped Maple Low Variable Sapling also hilly, some stee		viburnum increases in the southeast. Southwest/south portion of stand is also hilly, some steep slopes.							
	Red Oak	85	Log/Pole/XLog	14 84	Wh	nite Ash	Medium	Variable	Sapling	One white spruce sap (10'), occasional pole white ash and beech in				
	Bigtooth Aspen	7	Log/Pole/XLog	14	Re	ed Oak	Trace	< 5 feet	Sapling	subcanopy. Rare honeysuckle in the far west.				
					Sug	ar Maple	Low	>20 feet	Sapling					
					Sug	ar Maple	Low	>20 feet	Pole					
					Maple Lea	aved Viburnum	Low	< 5 feet	Tall Shrub					
21	4199 - Other Mixe	ed Upland I	Deciduous Po	oletimber We	II 10.4	54	51-80	N/A		This is a pole oak stand transitioning to log with scattered aspen clones. Canopy closure varies, 60-100%, averaging around 75% closure. There's				
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	a 3/4-ac rectangle along the north side of the road with full stocking of				
	Quaking Aspen	2	Pole/Log	8	Sug	ar Maple	Low	Variable	Sapling	ironwood saps >20' as the primary canopy with scattered pole red oak				
	Bigtooth Aspen	15	Log/Pole	10 65	Wh	nite Ash	Medium	Variable	Sapling	(trace elm, balsam fir, white ash, sugar maple). Trace white pine, black				
	Sugar Maple	25	Pole/Log	8	Е	Beech	Low	Variable	Sapling	cherry, balsam fir in canopy. Rare occurrences of striped maple (north edge), red oak (sap, >20'), white spruce (sap/pole), honeysuckle				
	Basswood	2	Pole/Log	8	Iro	nwood	Medium	Variable	Sapling	(associated with black cherry). One paper birch in southwest leg. High to				
	Beech	1	Pole/Log	8	Servicebe	rry (Juneberry)	Trace	5 - 10 feet	Sapling	full beech in the subcanopy in the northeast, low elsewhere. Scattered				
	American Elm	1	Pole	7		Vild Gooseberr		< 5 feet	Tall Shrul	white ash snags. There's an old trail through the southern portion of stand with some openings along the trail filling in with cherry.				
	Ironwood	4	Sapling/Pole 2							- stand with some openings along the trail mining in with onerty.				
	Red Oak	50	Pole/Log/XLog	8 54						Mancelona sand. BAs range 30 to 90, averaging 62 (higher density in aspen clones).				
22	4112 - Maple, Bee	ch, Cherry	Association Sa	awtimber Wel	II 10.9	71	81-110	N/A		Trace bigtooth, balsam fir, beech, cedar, red and white pine in canopy				
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	(pine confined to extreme south). Rare witch hazel, hemlock, cedar, hazelnut, honeysuckle, alternate leaved dogwood, maple leaved				
	Sugar Maple	5	Pole/Log/Sap	6	Bal	Isam Fir	High	Variable	Sapling	viburnum in the subcanopy.				
	Red Maple	77	Log/Pole/XLog	10 71	Yell	ow Birch	Low	Variable	Sapling	Dense yellow birch (pole/sap) with paper birch (pole/sap) (and trace				
	Quaking Aspen	2	Log/Pole	10	Sug	ar Maple	Low	Variable	Sapling	amounts of red maple, white spruce, cedar, balsam fir, hemlock) in the far north - cut in 1986. Elsewhere throughout the stand, red maple				
	Yellow Birch	3	Pole/Sap/Log	6 35	Whit	e Spruce	Trace	Variable	Sapling	dominates with varying densities/distribution of hemlock, paper birch,				
	Paper Birch	2	Pole/Log	8	Е	Beech	Low	Variable	Sapling	black cherry, etc, More sugar maple in the north half.				
	White Spruce	2	Log/Pole	12				l .						
	Hemlock	4	Log/XLog	14										
	Black Cherry	2	Log/Pole	12										
	Red Oak	3	XLog/Log/Pole	22										
23	4123 -	- Red Oak	Sa	awtimber We	II 19.3	78	81-110	N/A		Trace yellow birch, basswood, elm, quaking aspen in canopy. QA is				
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	present with yellow birch on tow of slope in the southwest, closely associated with a seep in the hillside. Higher densities of beech saplings				
	Sugar Maple	5	Log/Pole	10	Sug	ar Maple	Low	Variable	Sapling	(medium to high stocking) on slopes with medium stocking of striped				
	Beech	1	Pole/Log	8	Е	Beech	Low	Variable	Sapling	maple. Beech is low elsewhere. Trace white spruce and balsam fir in the				
	Red Oak	90	Log/Pole/XLog	10 78	Strip	ed Maple	Low	Variable	Sapling	subcanopy. Stand is dominated by oak (80-150 BA) with consistent sugar maple (10-				
	Rigtooth Aspen	3	Loa	14	Manla Las	aved Vihurnum	Trace	< 5 feet	Tall Shruk	20PA): higtooth clanes on western and couthwestern hillsides but not				

Trace

Low

< 5 feet

Variable

Sapling

present in the main body of the stand.

Tall Shrub 20BA); bigtooth clones on western and southwestern hillsides but not

Bigtooth Aspen

Red Maple

3



Stand	Level 4 Cover Type			Size Density		Acres Stand Age BA Range			Managed Site		General Comments			
24	500 -	- Water	N	Nonsto	ocked	1.6	Uns	specified	No		Old beaver flooding, dammed on the north edge.			
						Sub-Canopy	Species	Density	Avg. Height	Size				
						Northern White	e Cedar	Low	Variable	Sapling				
						Willow sp	op.	Trace	< 5 feet	Tall Shrub				
						Tag Alde	er	Trace	5 - 10 feet	Tall Shrub				
						Balsam I	Fir	Trace	5 - 10 feet	Sapling				
						Cattail sp	op.	Low	Unspecified	Non-Wood				
25	6117 - Lowland Con	Deciduous iferous	, Mixed Sa	Sawtimber Wel		II 2.6 8	35	51-80	N/A		Trace paper birch, basswood, black cherry, elm in canopy. Rare ironwood in subcanopy.			
С	Canopy Species	% Cover	Size Class	DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	Alder and black cherry are most prevalent in the middle/south portion of the stand with an open canopy. Stand exists as a transitional lowland			
Qı	uaking Aspen	35	Log/Pole	14		Balsam I	Fir	Medium	Variable	Sapling	stand on the edge of the Sturgeon River floodplain before starting to			
	Balsam Fir	15	Pole/Log	8		Beech]	Low	Variable	Sapling	slope into upland.			
V	White Spruce	10	Log/Pole	12		Sugar Ma	ple	Trace	Variable	Sapling				
North	nern White Cedar	2	Log/Pole	10	93	Black Che	erry	Low	5 - 10 feet	Sapling				
`	Yellow Birch	1	Pole/Sapling	ole/Sapling 7		Serviceberry (Ju	perry (Juneberry) Low		5 - 10 feet	Tall Shrub				
			. 0.0,000	,		Convicosoniy (Co		LOW						
	Red Maple	37	Pole/Log	8	85	White Spr		Trace	< 5 feet	Sapling				
					85		uce		< 5 feet	Sapling Sapling				
					85	White Spr	uce	Trace						
					85	White Spr Black Spr	ruce uce Gooseberry	Trace Trace	< 5 feet	Sapling				
					85	White Spr Black Spr Prickly Or Wild G	ruce uce Gooseberry (spp.)	Trace Trace Trace	< 5 feet < 5 feet	Sapling Tall Shrub				
					85	White Spr Black Spr Prickly Or Wild G Honeysuckle	ruce uce Gooseberry (spp.) er	Trace Trace Trace Trace	< 5 feet < 5 feet < 5 feet	Sapling Tall Shrub Tall Shrub				
	Red Maple		Pole/Log	8	85 eer We	White Spr Black Spr Prickly Or Wild G Honeysuckle Tag Aldd Hazelnut (S	cuce uce Gooseberry (spp.) er Spp.)	Trace Trace Trace Trace Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in			
27	Red Maple	37	Pole/Log	8 lletimb	er We	White Spr Black Spr Prickly Or Wild G Honeysuckle Tag Aldd Hazelnut (S	ruce uce Gooseberry (spp.) er Spp.)	Trace Trace Trace Trace Trace Trace Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual			
27 C	Red Maple 4130	- Aspen	Pole/Log	8 lletimb		White Spr Black Spr Prickly Or Wild G Honeysuckle Tag Aldd Hazelnut (S	ruce uce Gooseberry (spp.) er Spp.)	Trace Trace Trace Trace Trace Trace Trace Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Tall Shrub	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy.			
27 C	Red Maple 4130 Canopy Species	- Aspen	Pole/Log Po Size Class Pole/Sapling	8 elletimb	er We	White Spr Black Spri Prickly Or Wild G Honeysuckle Tag Alde Hazelnut (S	ruce uce Gooseberry (spp.) er Spp.) Species aple	Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old).			
27 C Qı Bi	A130 Canopy Species Ruaking Aspen	- Aspen % Cover 5	Pole/Log Po	letimb	er We	White Spr Black Spri Prickly Or Wild G Honeysuckle Tag Aldd Hazelnut (S	ruce uce Gooseberry (spp.) er Spp.) Species aple Fir	Trace Trace Trace Trace Trace Trace Trace Trace Trace Material	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by			
27 C Q:	A130 Canopy Species Luaking Aspen igtooth Aspen	- Aspen **Cover** 5 85	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap	8 seletimb	er We	White Spr Black Spr Prickly Or Wild G Honeysuckle Tag Alde Hazelnut (S II 49.0 3 Sub-Canopy Sugar Ma Balsam I	ruce uce Gooseberry s (spp.) er Spp.) Species sple Fir uneberry)	Trace Trace Trace Trace Trace Trace Trace Trace Medium Low	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has			
27 C Q Bi	A130 Canopy Species Luaking Aspen igtooth Aspen Balsam Fir Paper Birch	- Aspen **Cover* 5 85 1	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling Sapling/Pole	8	er We	White Spring Black Spring Black Spring Prickly Or Wild Government of the Honeysuckle Tag Alder Hazelnut (Spring Bub-Canopy Sugar Market Balsam I Serviceberry (Julia Black Spring Black	ruce uce Gooseberry s (spp.) er Spp.) Species aple Fir uneberry)	Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable 10 - 20 feet	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling Sapling Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets.			
27 CQ	4130 Canopy Species Puaking Aspen igtooth Aspen Balsam Fir	- Aspen - Cover 5 85 1 1	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling	8	er We	White Spring Black Spring Prickly Or Wild Government of Honeysuckle Tag Alder Hazelnut (Structure of Honeysuckle Hazelnut (Structure of Honeysuckle Hazelnut (Structure of Honeysuckle Hazelnut (Structure of Honeysuckle of Honeysuckl	suce uce Gooseberry (spp.) er Spp.) Species aple Fir uneberry)	Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable 10 - 20 feet Variable	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets. Trace BAM in the north along drainage. Drainage shown may be			
27 C Q Bi	4130 Canopy Species Luaking Aspen igtooth Aspen Balsam Fir Paper Birch Sugar Maple	- Aspen **Cover* 5 85 1 1 3	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling Sapling/Pole Sapling/Pole	8	er We	White Spring Black Spring Black Spring Prickly Or Wild Government of the Will Government of	suce uce Gooseberry (spp.) er Spp.) Species aple Fir uneberry) uzel sh	Trace	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable 10 - 20 feet Variable 10 - 20 feet	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling Tall Shrub	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets.			
27 C Q Bi	4130 Canopy Species Luaking Aspen igtooth Aspen Balsam Fir Paper Birch Sugar Maple Red Oak	- Aspen **Cover* 5 85 1 1 3 3 1	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling Sapling/Pole Sapling/Pole Pole/Sap/Log	8 Bletimb DBH 6 7 6 4 4 6	er We	White Spring Black	suce uce Gooseberry (spp.) er Spp.) Species aple Fir uneberry) uzel sh	Trace Low	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable 10 - 20 feet Variable 10 - 20 feet Variable	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets. Trace BAM in the north along drainage. Drainage shown may be seasonally moist, but there's no evidence of prolonged soil saturation; no defined water courses. Result of 1986 clearcut. Southern acreage planted to red, white, and jack			
27 CQ QI Bi	A130 Canopy Species Ruaking Aspen igtooth Aspen Balsam Fir Paper Birch Sugar Maple Red Oak White Ash	- Aspen **Cover* 5 85 1 1 3 1	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling Sapling/Pole Sapling/Pole Pole/Sap/Log Sapling/Pole	8 Bletimb DBH 6 7 6 4 4 6 6 3	er We	White Spring Black	suce uce Gooseberry (spp.) er Spp.) Species aple Fir uneberry) uzel sh od	Trace Low Low	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable Variable 10 - 20 feet Variable 10 - 20 feet Variable Variable Variable Variable Variable Variable	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling Sapling Sapling Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets. Trace BAM in the north along drainage. Drainage shown may be seasonally moist, but there's no evidence of prolonged soil saturation; no			
27 C Q: Bi	A130 Canopy Species Puaking Aspen igtooth Aspen Balsam Fir Paper Birch Sugar Maple Red Oak White Ash Pin Cherry	- Aspen **Cover* 5 85 1 1 3 1 1	Pole/Log Po Size Class Pole/Sapling Pole/Log/Sap Pole/Sapling Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole	8 DBH 6 7 6 4 4 6 3 4	er We	White Spring Black	suce uce Gooseberry s (spp.) er Spp.) Species sple Fir uneberry) state sple sple sple sple sple sple sple spl	Trace Low Low Low	< 5 feet < 5 feet < 5 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height Variable 10 - 20 feet Variable 10 - 20 feet Variable Variable 20 feet Variable >20 feet	Sapling Tall Shrub Tall Shrub Tall Shrub Tall Shrub Tall Shrub Size Sapling	Trace black cherry, BAM, elm, yellow birch, beech, white spruce in primary canopy; trace red pine, white pine, red oak residual "super"canopy (log/Xlog). Rare red oak and white spruce in subcanopy. Two distinct oak cohorts: pole/sap (35 year old) and Log/Xlog (90 year old). Ironwood, sugar maple, and white ash are generally outcompeted by aspen and lingering now in the midcanopy. Most pin cherry has senesced. Areas with high sugar maple regen. Balsam fir is somewhat sparse in the subcanopy with occasional dense pockets. Trace BAM in the north along drainage. Drainage shown may be seasonally moist, but there's no evidence of prolonged soil saturation; no defined water courses. Result of 1986 clearcut. Southern acreage planted to red, white, and jack pine in 1931.			

Compartment: 157
Year of Entry: 2023



Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site General Comments

28 6120 - Lo	wland Ced	ar Po	letimb	er We			141-170	N/A	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size
Quaking Aspen	2	Log/Pole	e 14		Bals	am Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole/Log/Sap	7		Whi	te Ash	Low	Variable	Sapling
Black Spruce	7	Pole	8	79	Mounta	ain Maple	Trace	5 - 10 feet	Tall Shrub
Northern White Cedar	55	Log/Pole/XLog	10	85	Michig	gan Holly	Trace	5 - 10 feet	Tall Shrub
Tamarack	2	Log/Pole	12		White	Spruce	Low	< 5 feet	Sapling
White Pine	3	XLog	24		Honeysu	ickle (spp.)	Trace	< 5 feet	Tall Shrub
Hemlock	3	Log/Pole	12		Elde	erberry	Trace	< 5 feet	Tall Shrub
White Spruce	10	Log/XLog	16		А	lder	Low	10 - 20 feet	Tall Shrub
Yellow Birch	5	Pole/Log/Sap	7		Whit	te Pine	Trace	< 5 feet	Sapling
Paper Birch	5	Pole/Log/Sap	8		Hei	mlock	Trace	Variable	Sapling
Red Maple	3	Pole/Log/XLog	8		Black	Spruce	Trace	< 5 feet	Sapling
					Nin	ebark	Trace	5 - 10 feet	Tall Shrub
					Hazeln	nut (Spp.)	Trace	Variable	Tall Shrub
					Canad	dian Yew	Trace	< 5 feet	Tall Shrub

Corridor for west branch of the sturgeon river. Trace dwarf scouring rush, ironwood, sugar maple in subcanopy. Small channel along northwest hillside. Trace silver maple present, mixed with red maple. Areas with very dense balsam fir saplings adjacent to stream.

A lot of blowdown, dense balsam fir saplings west of the the river in the north half of the stand. More larch in east.

Spruce is 10-12" dbh in the south vs 14-18" elsewhere. Much less balsam fir regen in south (low stocking at best). Some very large white pine in the far northwest.

29	4139 - Aspen, N	lixed Dec	iduous	Sapling	Mediun	n 23.9	8	Immature	N/A	
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Can	opy Specie	s Density	Avg. Height	Size
I	Bigtooth Aspen	33	Sapling	1	8	Be	eech	Medium	Variable	Sapling
	Pin Cherry	30	Sapling	1		Blackberr	y/Raspberry	/ Full	< 5 feet	Tall Shrub
	Beech	3	Sapling	1		Suga	r Maple	Low	Variable	Sapling
	Red Maple	2	Sapling	1		Iror	nwood	Low	Variable	Sapling
	Striped Maple	1	Sapling	1		Brack	en Fern	Low	Unspecified	Non-Wood
	Sugar Maple	5	Sapling	1		Red	Maple	Low	Variable	Sapling
(Quaking Aspen	19	Sapling	1		Whi	te Ash	Trace	Variable	Sapling
	Beech	1	Log	14		Stripe	d Maple	Trace	Variable	Sapling
	Balsam Fir	1	Pole/Log/Sa	р 8		Whit	te Pine	Trace	< 5 feet	Sapling
	White Pine	3	Log/XLog/Po	le 16		Red	d Pine	Trace	< 5 feet	Sapling
	Red Pine	2	Log/XLog/Po	le 14	88			'		

Sale completed as part of Dunham Road Mix in September 2013. Lots of slash from hdwd tops, mix of hdwd and aspen regen.

Rare occurrence of red oak in canopy. Rare balsam fir, mullein, maple leaved viburnum in subcanopy. Stand appears densely stocked from the road, but the east and west extremes are poorly stocked. Far west third of stand along hardwood is 50% stocked from browsing and possibly shading. The portion east of the section line is more fully stocked, except again in the far east along the hardwood edge where it has 50% stocking. Red and white pine saps are generally in skid trails and along the road edge. Heavy browsing pressure, especially on maples and ash. There's a lot of pin cherry dominating pockets of this stand. I'm hopeful this can nurse along more desirable and longer lived hardwood before it begins to fall out of the canopy. If sugar maple can persist under pin cherry, it might become a more prominent canopy species in the future.

Report 7 - Stands

Compartment: 157 Year of Entry: 2023



Stand	Level 4 C	over Type		Size De	ensity	Acres Stand	Age BA Rang	je	Managed S	Site	General Comments			
30	4199 - Other Mixe	d Upland D	eciduous S	Sapling Mediu		61.5 38	1-50		N/A		Trace red pine, white spruce, quaking aspen, balsam poplar, and elm in canopy, <1% each. Rarely found staghorn sumac (adjacent to road),			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Sp	ecies Dens	sity	Avg. Height	Size	honeysuckle, witch hazel in subcanopy. Stand originally planted to red			
	Sugar Maple	15	Sapling/Pole	3		Red Maple	Med	ium	Variable	Sapling	pine in, then subsequently thinned in, receiving an overstory			
	Red Pine	5	XLog/Log	20	81	Black Cherr	y Med	ium	5 - 10 feet	Sapling	removal of red pine (leaving 50% or greater of advanced sap/pole			
	White Ash	3	Sapling/Pole	3		Balsam Fir	Lo	W	Variable	Sapling	hardwood and aspen) in These treatments have created a multi- aged stand with "super" canopy red pine, canopy (or midcanopy under			
	Beech	5	Sapling/Pole	2		White Ash	Med	ium	< 5 feet	Sapling	red pine) advanced hardwood and aspen, with sapling hardwood and			
	Jack Pine	1	Sapling/Pole	4		Pin Cherry	Lo	W	Variable	Sapling	aspen regenerating in the harvested openings. Regeneration within the			
	Bigtooth Aspen	17	Pole/Sapling	6		Beech	Med	ium	Variable	Sapling	gaps is somewhat sparse and has received browsing damage from deer and elk, species dominated by cherry and red maple with lesser amounts			
	Paper Birch	5	Sapling/Pole	4		Bigtooth Asp	en Lo	W	5 - 10 feet	Sapling	of beech, ironwood, sugar maple, white ash, and aspen. Areas of			
	Pin Cherry	2	Sapling/Pole	4		Blackberry/Rasp	berry Hig	gh	< 5 feet	Tall Shrub	unharvested red pine have BAs of 30-90 for red pine with 0-30 BA of red			
	Black Cherry	5	Sapling/Pole	4		Sugar Maple	e Lo	W	< 5 feet	Sapling	maple/paper birch/balsam fir, variable. Mullein, thistle, and knapweed present throughout treatment areas.			
	Balsam Fir	4	Sapling/Pole	4				•		,	present infoughout treatment areas.			
	Red Oak	3	Sapling/Pole	4										
	Ironwood	5	Sapling/Pole	2										
	Red Maple	30	Sapling/Pole	4	38									

31 6220 - Alder/willow Nonstocked 8.4 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size	
Alder	High	10 - 20 feet	Tall Shrub	
Northern White Cedar	Trace	Variable	Sapling	
Balsam Poplar	Trace	Variable	Sapling	
Ninebark	Trace	5 - 10 feet	Tall Shrub	
Balsam Fir	Low	Variable	Sapling	
Willow spp.	Low	Variable	Tall Shrub	
Black Spruce	Low	Variable	Sapling	
merican Highbush Cranberr	Trace	5 - 10 feet	Tall Shrub	
Michigan Holly	Low	5 - 10 feet	Tall Shrub	
Quaking Aspen	Trace	>20 feet	Sapling	
Round Leaved Dogwood	Low	5 - 10 feet	Tall Shrub	
White Spruce	Trace	>20 feet	Pole	
Red Pine	Trace	10 - 20 feet	Sapling	
Paper Birch	Low	Variable	Sapling	
Red Maple	Trace	>20 feet	Pole	
Tamarack	Medium	Variable	Sapling	

Formerly a forested stand (cedar, white pine - very old stumps), now lowland shrub (alder) dominated, but hospitable to trees; slow conversion to a forested stand may be occurring. Surprising presence of red pine. Virgin's bower and wild raisin scarcely present.



Stand	d Level 4 Ce	Cover Type		Size Density		Acres	Stand Age	BA Range	Managed	Site	General Comments					
32	4111 - S.Maple, Ha	ard Mast A	Association Po		er Wel	659.3	81	81-110	N/A		2011 notes: Scattered areas of beech scale, very hilly, terrain would make operations difficult, AVG BA = 98					
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	2021 notes: Very large mixed hardwood stand with quite a few scattered					
	Sugar Maple	45	Pole/Log	9	81	Sug	gar Maple	Low	>20 feet	Sapling	historic treatments. Portions of this stand, primarily in the south, were					
	Basswood	30	Log/Pole	10		I	Beech	Medium	Variable	Sapling	planted in the 1930s to red, white, and jack pine (of varying densities and distribution). Selective harvests occurred on more operable ground in the					
	White Ash	2	Pole	6		Ironwood		Medium	Variable	Sapling	1980s and early 1990s, as well as a couple small opening creations in					
	Beech	13	Log/Pole	10		Ва	ılsam Fir	Trace	Variable	Sapling	1985.					
	Quaking Aspen 3 Bigtooth Aspen 3		Log/XLog	16		W	hite Ash	Low	Variable	Sapling	Trace birch, balsam fir, elm in canopy. Oak is confined largely to the					
	Bigtooth Aspen	3	Log/XLog	16		Strip	oed Maple	Trace	Variable	Sapling	northernmost acreage; red and white pine to the southern half. Some standing ash snags; few escapees (poles).					
	Red Oak	2	Log/Pole/XLog	14		Lea	therwood	Trace	< 5 feet	Tall Shrub	standing ash snags; few escapees (poles).					
	White Pine	1	Log/Pole/XLog													
	Red Pine	1	Log/Pole/XLog	14												
33	4130	- Aspen	S	Sapling	y Well	24.5	16	Immature	N/A		More Extreme Aspen harvested in 2005. Trace residual white pine, red pine, red oak. Trace red oak saps - extremely heavy browse pressure.					
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Very hilly. Trace residual ironwood (pole/sap). Rare red pine sapling in					
	Beech	2	Sapling	1		I	Beech	Medium	Variable	Sapling	canopy, rare balsam fir sapling in west. Trace elderberry along road at					
	Bigtooth Aspen	67	Sapling/Pole	2	16	Iro	onwood	Low	10 - 20 feet	Sapling	south/west edge of stand. Very steep hill climb that has become an RDR in the far east.					
	Pin Cherry	3	Sapling	1		Sug	gar Maple	Low	10 - 20 feet	Sapling	very steep fill climb that has become an NDN in the fair east.					
	Ironwood	2	Sapling	1		Strip	oed Maple	Trace	Variable	Sapling						
	Red Maple	5	Sapling	2		Servicebe	erry (Juneberry	y) Trace	10 - 20 feet	Sapling						
	White Ash	1	Sapling	2		W	hite Ash	Low	Variable	Sapling						
	Sugar Maple	3	Sapling	1		Maple Le	aved Viburnur	m Trace	5 - 10 feet	Tall Shrub						
	Red Pine	1	Log/Pole	14		Blackbe	rry/Raspberry	Low	< 5 feet	Tall Shrub						
	White Pine	1	Log/Pole/Sap	14		Brad	cken Fern	Trace	Unspecified	Non-Wood						
	Quaking Aspen	15	Sapling	2		Ele	derberry	Trace	5 - 10 feet	Tall Shrub						
						WI	hite Pine	Trace								
35	310 - Herbac	eous Ope	nland N	Nonsto	cked	0.9	ı	Unspecified			permit no 57117, Northstar Energy					
						Sub-Ca	nopy Species	s Density	Avg. Height	Size						
						Spotte	d Knapweed	Full	Unspecified	Non-Wood						
37	42110 - Plar	nted Red I	Pine Saw	timber	Mediu	ım 2.6	85	81-110	N/A		ORV trail through the center of stand; old logging road travelling north-					
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	One balsam fir sapling <5'. Advanced pole suncanopy of beech, sugar					
	Red Pine	85	XLog/Log	18	85	Sug	gar Maple	Low	>20 feet	Sapling	maple, and ash, not quite mixing in with canopy yet.					
	Quaking Aspen	10	Log/Pole	12			Beech	High	Variable	Sapling						
	Sugar Maple	4	Log/Pole	12		Iro	onwood	Low	Variable	Sapling						
	White Pine	1	Log	16		Servicebe	erry (Juneberry	y) Trace	>20 feet	Sapling						
							Beech	Medium	>20 feet	Pole						
						Blackbe	rry/Raspberry	Trace	< 5 feet	Tall Shrub						
						W	hite Ash	Low	>20 feet	Pole						
										_	•					

Report 7 - Stands



Stand	nd Level 4 Cover Type Size Densit		nsity	Acres Stand Age B	A Range	Managed	Site	General Comments		
38	310 - Herbac	eous Oper	nland	Nonsto	cked	1.0 U	nspecified			Permit no 58110, Northstar Energy. Api well # 21031581100000.
						Sub-Canopy Species	Density	Avg. Height	Size	
						Spotted Knapweed	High	Unspecified	Non-Wood	
						Blackberry/Raspberry	High	< 5 feet	Tall Shrub	
						Goldenrod spp.	Trace	Unspecified	Non-Wood	
39	310 - Herbaceous Openland Nonstock				cked	1.3 U	nspecified			Permit no 57123, Northstar Energy. Api well # 21031571230000.
					Sub-Canopy Species	Density	Avg. Height	Size	Mullein present.	
					Spotted Knapweed	Full	Unspecified	Non-Wood		
					Blackberry/Raspberry	Low	< 5 feet	Tall Shrub		
					Red Pine	Trace	< 5 feet	Sapling		
40	4116 - Mixed N.	Hardwood	- Aspen Po	oletimb	er Poor	7.5 63	1-50	N/A		Trace black cherry, elm present in canopy.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Result of overstory red pine removal, Heavy browsing on regeneration. Elk tracks through stand.
	Sugar Maple	35	Pole/Sap/Log	6	63	Sugar Maple	Low	< 5 feet	Sapling	Trout, stoneing on regeneration and the three states.
	Basswood	1	Pole	6		Beech	Medium	Variable	Sapling	
	Paper Birch	2	Pole/Log	8		Ironwood	Low	Variable	Sapling	
	Quaking Aspen	18	Log/Pole	10		White Ash	Low	Variable	Sapling	
	Beech	35	Pole/Sapling	6		Red Pine	Low	< 5 feet	Seeding	
	Ironwood	2	Sapling	4		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	
	Red Maple	2	Pole/Sapling	7		Striped Maple	Low	< 5 feet	Sapling	
	Bigtooth Aspen	5	Log	12		Quaking Aspen	Low	5 - 10 feet	Sapling	
						Black Cherry	Trace	5 - 10 feet	Sapling	
41	310 - Herbaceous Openland Nonstocked		cked	0.6 U	nspecified			Permit # 55261, API # 21031552610000		
						Sub-Canopy Species	Density	Avg. Height	Size	
						Blackberry/Raspberry	Low	< 5 feet	Tall Shrub	
						Spotted Knapweed	Full	Unspecified	Non-Wood	
					Goldenrod spp.	Low	Unspecified	Non-Wood		

3.3

Nonstocked

310 - Herbaceous Openland

4420 Asses

42

Compartment: 157

Compartment: 157 Year of Entry: 2023

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Stand	Level 4 Cover Type	Size Density	Acres Stand Age BA Range	Managed Site	General Comments
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Sub-Canopy Species Density Avg. Height Size Red Pine Low Variable Sapling Black Cherry Medium >20 feet Pole Sugar Maple Low Variable Sapling Beech Low Variable Sapling Spotted Knapweed Hiah Unspecified Non-Wood Blackberry/Raspberry < 5 feet Tall Shrub Low Scotch Pine 10 - 20 feet Trace Sapling White Pine Trace < 5 feet Sapling Bracken Fern Unspecified Non-Wood Low Ironwood Low Variable Sapling

Unspecified

Permit # 57119, API No 21031571190000. REMOVE SCOTCH PINE.

43	4110 - Sugar Maple Association				er Well	29.1	82	81-110	N/A	
(Canopy Species	% Cove	er Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size
	Sugar Maple	63	Log/Pole	10	82	В	eech	Full	5 - 10 feet	Sapling
	Basswood	25	Log/Pole/XLo	og 12		Iro	nwood	High	Variable	Sapling
	Beech	10	Log/Pole	12		Stripe	ed Maple	Low		Sapling
В	Bigtooth Aspen	1	XLog/Log	18		Sugar Maple		Low		Sapling
	Red Pine 1 XLog/Log		20		Wh	ite Ash	Low	Variable	Sapling	
						Suga	ar Maple	Low	< 5 feet	Seeding

Thinned around 2005. Current BA steadily around 90. Mortality and decline in beech (BBD). Full stocking of undesirables in subcanopy. Trace paper birch on west edge adjacent to stand 42. One dead yellow birch (seedbank potential). West half is mostly sugar maple and beech; east half is sugar maple and basswood with consistently dead white ash. Northeast has better quality and smaller diameter sugar maple. Full beech subcanopy in west, medium to high in northeast. One autumn olive, one white pine sap in extreme northeast tip near road. Trace aspen on perimeters. Handful of red pine and trace white pine at northwest corner of private. Trace quaking aspen, elm, and ironwood in canopy.

44	4130 - /	Aspen		Sapling	vveii	21.2	16	Immature	N/A		١١
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	l h
(Quaking Aspen	50	Sapling	2	16	Black	c Cherry	Low	Variable	Sapling	[
Е	Bigtooth Aspen	20	Sapling	3	16	Whi	ite Ash	Low	Variable	Sapling	C
	Sugar Maple	10	Sapling	1		В	eech	Medium	Variable	Sapling	ľ
	Ironwood	5	Sapling	1		Suga	ar Maple	Low	Variable	Sapling	S
	Black Cherry	5	Sapling	1		Blackberr	y/Raspberry	Medium	< 5 feet	Tall Shrub	b
	White Ash	2	Sapling	1		Prickly Or W	/ild Goosebe	rry Trace	< 5 feet	Tall Shrub	ĺ
	Paper Birch	5	Sapling	2		Brack	ken Fern	Trace	Unspecified	Non-Wood	Ì
	Pin Cherry	3	Sapling	2							

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More Extreme Aspen.

NI/A

Trace balsam fir and basswood; residual. Trace striped maple, honeysuckle, serviceberry, scotch pine, and basswood in the subcanopy. Deer, elk tracks and browse. Fairly dense raspberry in skid trails and openings yet. Nice paper birch response in west central portion of stand. Although aspen dominated, there's still pleasant diversity and good sugar maple representation, though it's likely to be outcompeted in many areas. Striped maple and honeysuckle closely associated. Two residual elm - both dead. Handful of red pine saplings, 5-20'.

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Stand	Level 4 Co	over Type	e Si	ize Density	/ Acres	Stand Age B	A Range	Managed 9	Site	General Comments
45	310 - Herbac	eous Ope	nland N	Nonstocked	10.4	U	nspecified	No		Forest road and buried pipeline connecting well pads. Northernmost
					Sub-Ca	nopy Species	Density	Avg. Height	Size	portion is an M3 with mixed hardwood and aspen. Stand is documented as a maintained wildlife opening.
					Spotte	d Knapweed	High	Unspecified	Non-Wood	do a maintained wilding opening.
					Bals	am Poplar	Trace	5 - 10 feet	Sapling	
					Bra	cken Fern	Trace	Unspecified	Non-Wood	
					Gold	lenrod spp.	Low	Unspecified	Non-Wood	
					li .	onwood	Medium	Variable	Sapling	
					Honey	suckle (spp.)	Trace	5 - 10 feet	Tall Shrub	
					Bla	ck Cherry	Low	Variable	Sapling	
					Qua	king Aspen	Low	Variable	Sapling	
					,	Juniper	Trace	< 5 feet	Tall Shrub	
					Ва	alsam Fir	Low	Variable	Sapling	
						Beech	Trace	5 - 10 feet	Sapling	
					Su	gar Maple	Trace	Variable	Sapling	
					Blackbe	erry/Raspberry	Medium	< 5 feet	Tall Shrub	
46	4130	ell 5.2	38	81-110	N/A		Trace quaking aspen, yellow birch, and pin cherry in canopy. Rare occurrences of balsam fir, honeysuckle, and raspberry in subcanopy.			
	Canopy Species	% Cove		DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Most sugar maple, ironwood, white ash, beech sapling/poles are
	Red Maple	9	Pole/Sapling	6		ronwood	Low	Variable	Sapling	suppressed into midcanopy; few mingle in canopy with bigtooth.
	Bigtooth Aspen	85	Pole/Sap/Log	7 38	Su	gar Maple	Medium	Variable	Sapling	Honeysuckle, raspberry present on edge of private. Stand occupies a slight west slope, increasing in steepness further east (up the hill).
	Black Cherry	1	Pole/Sapling	6	W	hite Ash	Medium	Variable	Sapling	Smaller diameters (6" ave) present in steeper slopes in east half. Lower,
	Ironwood	1	Sapling	4	_	Beech	Low	Variable	Sapling	flatter slope consists of larger (8") average diameters in aspen.
	Sugar Maple	4	Pole/Sapling	5	Bla	ck Cherry	Trace	>20 feet	Sapling	
					Serviceb	erry (Juneberry)	Trace	10 - 20 feet	Sapling	
					Stri	ped Maple	Trace	Variable	Sapling	
47	4110 - Sugar M	laple Ass	ociation Sa	wtimber W	ell 161.2	81	51-80	N/A		Thinned around 2005 to 76 BA. Current BA ranges 30-110, averaging around 80 in the wake of EAB and BBD. Dead ash and some beech
	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	snap. Trace ironwood, red maple, quaking aspen, elm in canopy. Trace
	Sugar Maple	60	Log/Pole	10 81		Beech	Medium	Variable	Sapling	maple leaved viburnum, honeysuckle, white spruce, balsam fir in
	Basswood	30	Log/Pole/XLog	12	ll .	ronwood	High	Variable	Sapling	subcanopy. Seldom a successful basswood stump sprout. Trace log white spruce to east of stand 48 with trace paper birch and black cherry.
	Bigtooth Aspen	2	Log/XLog	16	W	hite Ash	Low	Variable	Sapling	Full ironwood regen throughout most of the stand, occasionally medium
	Beech	7	Log/Pole/XLog	12		gar Maple	Low	Variable	Sapling	to high stocking - beech takes over for full stocking in areas with less
	Yellow Birch	1	Log/Pole	10	Blackbe	erry/Raspberry	Low	< 5 feet	Tall Shrub	ironwood. More paper birch scattered along west perimeter.
-					Su	gar Maple	Medium	< 5 feet	Seeding	Trae scattered white spruce, balsam fir in southwest. Little valley in southwest. 1-acre nonforested opening in south hosting bracken, white
						ped Maple	Trace	Variable	Sapling	pine, black cherry, ironwood, sugar maple, elm, white spruce, quaking
					Prickly Or	Wild Gooseberr	y Trace	< 5 feet	Tall Shrub	aspen, balsam fir.
					_					

Trace

Variable

Basswood

Sapling

Compartment: 157 Year of Entry: 2023



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres Stand Age E	A Range	Managed 9	Site	General Comments		
48	310 - Herbac	eous Oper	land	Nonst	cked	0.8 L	nspecified			Permit # 57121, API # 21031571210000.		
						Sub-Canopy Species	Density	Avg. Height	Size	Mullein present.		
						Spotted Knapweed	High	Unspecified	Non-Wood			
						Blackberry/Raspberry	Low	< 5 feet	Tall Shrub			
50	4111 - S.Maple, Ha	ard Mast A	ssociation Po	oletimb	er Wel	l 57.5 92	81-110			Average BA in the wake of EAB and BBD = 86, ranging 60-120. Trace		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	white ash, balsam fir, yellow birch, elm in canopy. Rare occurrences of basswood, white spruce, white pine, honeysuckle, and elm in subcanopy.		
	Sugar Maple	59	Pole/Log	8	92	Sugar Maple	Trace	Variable	Sapling	Elk and deer present. More log dominated closest to east boundary,		
	Basswood	20	Log/Pole	10		Beech	Medium	Variable	Sapling	scattered pole and log elsewhere. Appearance of being two-aged with		
	Red Pine	4	XLog/Log	22		Ironwood	High	Variable	Sapling	scattered 14-16" sugar maple and XL R/Wpine amongst poles. One dead black cherry, couple of paper birch present.		
	Beech	10	Log/Pole	12		Striped Maple	Trace	5 - 10 feet	Sapling	Red pine is almost exclusively present in the east half of the stand.		
	Quaking Aspen	2	XLog/Log	18		Sugar Maple	Low	< 5 feet	Seeding	There's a sapling/pole corridor (old road grade) through the middle of the		
	Bigtooth Aspen	3	Log/XLog 16			Balsam Fir	Trace	Variable	Sapling	stand dominated by black cherry, sugar maple, red pine, serviceberry, bracken, white ash, and beech. One hemlock sapling by road edge.		
	Ironwood 1 Pole/Sap/Log 5					White Ash	Low	Variable	Sapling	- brackers, writte asis, and become one fictilities sapiling by road edge.		
	White Pine	1	XLog	24			,			-		
51	4110 - Sugar M	1aple Asso	ciation Sa	awtimb	er Wel	l 22.7 81	81-110	N/A		This stand was broken out of stand 32 to the south after it was thinned as		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	part of Santa's Helper Hardwoods in 2015. All ash and beech removed as part of sale.		
	Sugar Maple	56	Log/Pole	10	81	White Ash	Medium	Variable	Sapling	Basswood, sugar maple, and red oak saps are heavily browsed, but still		
	Red Oak	3	Log/XLog/Pole	16		Striped Maple	Trace	10 - 20 feet	Sapling	remain surprisingly present in the subcanopy composition. Scattered nice		
	Basswood	40	Log/Pole	10		Red Oak	Trace	5 - 10 feet	Sapling	advanced sugar maple sap/pole regen (residual). One staghorn sumac in northeast adjacent to dirtbike trail. Trace bigtooth in canopy. Rare		
	American Elm	1	Log/Pole	10		Beech	Trace	5 - 10 feet	Sapling	bigtooth aspen, maple leaved viburnum, balsam fir in subcanopy.		
						Basswood	Low	Variable	Sapling			
						Sugar Maple	Low	Variable	Sapling			
						Blackberry/Raspberry	High	< 5 feet	Tall Shrub			
						Prickly Or Wild Gooseber	ry Trace	< 5 feet	Tall Shrub			
						Ironwood	Medium	Variable	Sapling			
						Elderberry	Low	5 - 10 feet	Tall Shrub			
52	4110 - Sugar M	laple Asso	ciation Po	oletimb	er Wel	l 107.8 81	81-110	N/A		Thinned in winter 2016/2017.		
	Canopy Species % Cover Size Class		Size Class	DBH Age		Sub-Canopy Species	Density	Avg. Height	Size	Rare occurrences of elderberry, striped maple, and bigtooth aspen in subcanopy. Trace white pine, red pine, quaking aspen, living white ash,		
	Canopy Species	% Cover	0.20 0.000		_							
	Canopy Species Sugar Maple	% Cover	Pole/Log	9	81	Sugar Maple	Trace	< 5 feet	Sapling	elm, and bigtooth aspen in canopy, <2% total. Average BA = 87.		
						Sugar Maple Beech	Trace Medium	< 5 feet 5 - 10 feet	Sapling Sapling	elm, and bigtooth aspen in canopy, <2% total. Average BA = 87. White ash snags and significant down woody debris in the central portion		
	Sugar Maple	60	Pole/Log	9						elm, and bigtooth aspen in canopy, <2% total. Average BA = 87. White ash snags and significant down woody debris in the central portion of the stand. A surprising lack of white ash saplings considering former		
	Sugar Maple Basswood	60 39	Pole/Log Log/Pole	9		Beech	Medium	5 - 10 feet	Sapling	elm, and bigtooth aspen in canopy, <2% total. Average BA = 87. White ash snags and significant down woody debris in the central portion of the stand. A surprising lack of white ash saplings considering former ash densities in some areas. Dead and dying beech in the canopy. Trace pole (6")ironwood in the canopy in the far east. One solitary white spruce		
	Sugar Maple Basswood	60 39	Pole/Log Log/Pole	9		Beech Ironwood	Medium High	5 - 10 feet Variable	Sapling Sapling	elm, and bigtooth aspen in canopy, <2% total. Average BA = 87. White ash snags and significant down woody debris in the central portion of the stand. A surprising lack of white ash saplings considering former ash densities in some areas. Dead and dying beech in the canopy. Trace		
	Sugar Maple Basswood	60 39	Pole/Log Log/Pole	9		Beech Ironwood Blackberry/Raspberry	Medium High Full	5 - 10 feet Variable < 5 feet	Sapling Sapling Tall Shrub	elm, and bigtooth aspen in canopy, <2% total. Average BA = 87. White ash snags and significant down woody debris in the central portion of the stand. A surprising lack of white ash saplings considering former ash densities in some areas. Dead and dying beech in the canopy. Trace pole (6")ironwood in the canopy in the far east. One solitary white spruce		

Report 7 - Stands



Stand	Level 4 Cover Type	Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments			
53	310 - Herbaceous Openland	Nonstocked	0.5	L	Inspecified			Hardwood and aspen encroachment on edges. Trace conifer (red and
			Sub-Ca	nopy Species	Density	Avg. Height Size	white pine, balsam fir, white spruce). Well pad.	
			Spotte	d Knapweed	Full	Unspecified	Non-Wood	
			Blac	ck Cherry	Low	>20 feet	Pole	
			R	ed Pine	Trace	Variable	Sapling	
			Blackbe	rry/Raspberry	Trace	< 5 feet	Tall Shrub	
			Quak	king Aspen	Low	>20 feet	Sapling	
			I	Beech	Low	Variable	Sapling	
54	310 - Herbaceous Openland	Nonstocked	1.6	L	Inspecified	pecified		Permit # 56590, api well # 21031565900000, Northstar Energy. RDR on perimeter - ORV damage on exposed slopes.
			Sub-Ca	nopy Species	Density	Avg. Height	Size	TABIT OIT PETITIELET - OITV damage on exposed slopes.
			Spotte	d Knapweed	Full	Unspecified	Non-Wood	
			Gold	enrod spp.	Trace	Unspecified	Non-Wood	
			R	ed Pine	Trace	Variable	Sapling	
			WI	nite Pine	Trace	< 5 feet	Sapling	
			Balsam Fir		Trace	< 5 feet	Sapling	
55	310 - Herbaceous Openland	Nonstocked	0.6 0 L		Inspecified			Permit # 58060, api well # 21031580600000, Northstar Energy. Trace mullein present.
			Sub-Ca	nopy Species	Density	Avg. Height	Size	Trace muliem present.
			Spotte	d Knapweed	Full	Unspecified	Non-Wood	
			Gold	enrod spp.	Low	Unspecified	Non-Wood	
			Blackbe	rry/Raspberry	Trace	< 5 feet	Tall Shrub	
56	310 - Herbaceous Openland	Nonstocked	0.8	0 L	Inspecified			Permit # 57122, api # 21031571220000
			Sub-Ca	nopy Species	Density	Avg. Height	Size	
			Spotte	d Knapweed	Full	Unspecified	Non-Wood	
			Brad	cken Fern	Trace	Unspecified	Non-Wood	

7 – Stands Compartment: 157
Year of Entry: 2023

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Stand	Lovel 4 C	over Type		Sizo Da	neitr	Acres	Stand Age BA	\ Pango	Managed	Sito	General Comments				
Stariu	Level 4 Cover Type			Size Density		Acres	Stand Age BA	Range	Managed Site		General Comments MICHIGAN				
57	6116 - Lo	wland Birch	1	Sapling Well		5.2	45	1-50	N/A		Scattered red maple, yellow birch, white cedar logs. Looks like this stand				
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	was clearcut and left all hemlock. Balsam fir saplings took off, hemlock tops died back but recovered. EAB affected ash, but some still linger.				
	Paper Birch	35	Sapling/Pole	4	25	Ва	alsam Fir	Low	Variable	Sapling					
	Red Maple	8	Sapling/Pole		34	Ironwood		Trace	Variable S	Sapling	fir with quaking aspen and paper birch.				
	Basswood		Sapling/Pole	4		Serviceberry (Juneberry)		Low	Variable	Sapling	MiFI would not accept the presence of logs in yellow birch, paper birch, and red maple - though they're all present.				
(Quaking Aspen	1	Sapling/Pole	4		W	hite Ash	Trace	Variable	Sapling	and rod maple thought they to all procent.				
	Yellow Birch	40	Sapling/Pole	4	45	Round Le	eaved Dogwood	Trace	5 - 10 feet	Tall Shrub					
	Hemlock	2	Log/Pole	10		Honey	suckle (spp.)	Low	< 5 feet	Tall Shruk					
Nort	hern White Cedar	1	Log/Pole	10			Alder	Trace	10 - 20 feet	Tall Shruk					
E	Balsam Poplar	2	Pole/Sapling	6		Bla	ck Cherry	Trace	10 - 20 feet	Sapling					
	White Ash	2	Sapling/Pole	4		Sug	gar Maple	Trace	Variable	Sapling					
	Black Cherry	1	Sapling/Pole	4		Wh	ite Spruce	Trace	< 5 feet	Sapling					
	Balsam Fir	5	Pole/Sapling	6		Prickly Or	Wild Gooseberry	Trace	< 5 feet	Tall Shrub					
	Red Oak	1	Pole/Sapling	6		Wi	illow spp.	Low	10 - 20 feet	Sapling					
	American Elm	1	Sapling/Pole	3		H	lemlock	Trace	>20 feet	Pole					
58	6120 - Lov	wland Ceda	ır	Sapling Poor		3.6	3.6 43		N/A		Broke the canopy and subcanopy at 10'. Trace white pine in canopy.				
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Scattered log cedar too. Inundated stand. Dead and declining white cedar; EAB killed black ash canopy. North third of stand has a lot of				
			0 "	_											

Balsam Fir 2 Sapling 3 Alder High 10 - 20 feet Northern White Cedar 80 Sapling/Pole 2 43 Balsam Fir Low Variable Sapling White Spruce Sapling/Pole 3 5 - 10 feet Tall Shrub 1 Michigan Holly Trace 2 Sapling Black Spruce 5 Sapling Black Ash Trace Variable Non-Wood saplings. Paper Birch 10 Sapling 1 Cattail spp. Medium Unspecified Tamarack 2 Sapling 2 Willow spp. Low 10 - 20 feet Tall Shrub Northern White Cedar Variable Sapling Medium Black Spruce Variable Sapling Low Variable Sapling Tamarack Trace Paper Birch Trace Variable Sapling White Pine Trace 10 - 20 feet Sapling

Size
Size
Tall Shrub
Sapling
Sap



Stand	d Level 4 C	over Type	;	Size Densi	y A	Acres	Stand Age	BA Ra	inge	Managed S	Site	General Comments
59	6116 - Lo	wland Birch	n Sa	wtimber Me	dium	1.3	94	81-1	10	N/A		Single pocket of alder leaved buckthorn in the west. Seed. Red maple
	Canopy Species	% Cover	Size Class	DBH Ag	e S	ub-Ca	nopy Specie	es De	ensity	Avg. Height	Size	mostly on perimeter. South edge is yellow birch dominated, slightly less wet than rest of the stand. Trace basswood, quaking aspen, beech in
	Yellow Birch	75	Log/Pole	10 9	ļ	Suç	gar Maple		Low	Variable	Sapling	canopy.
	Red Maple	2	Log/Pole	12			Beech		Low	Variable	Sapling	
	Hemlock	18	Log/Pole	10		Ir	onwood		Low	Variable	Sapling	
	Sugar Maple	3	Pole/Log	8	Alc	der Lea	aved Bucktho	rn T	Trace	< 5 feet	Tall Shrub	
No	orthern White Cedar	2	Log/Pole	12		Mour	ntain Maple	Т	Trace	5 - 10 feet	Tall Shrub	
						EI	derberry		Low	5 - 10 feet	Tall Shrub	
					N	orther	n White Ceda	ar	Low	>20 feet	Pole	
					Pricl	kly Or	Wild Gooseb	erry 7	Trace	< 5 feet	Tall Shrub	
						Honey	suckle (spp.)	7	Ггасе	< 5 feet	Tall Shrub	
						Ame	erican Elm	7	Trace	10 - 20 feet	Sapling	
						Blackberry/Raspberry		у Т	Trace	e < 5 feet	Tall Shrub	
						Striped Maple			Low	Variable	Sapling	
						White Ash			Low	Variable	Sapling	
					Alte	Alternate-leaved Dogwoo			Trace	5 - 10 feet	Tall Shrub	
						Ca	ittail spp.	Т	Trace	Unspecified	Non-Wood	
						Ва	asswood	1	Ггасе	Variable	Sapling	
60	122 - Road	d/Parking L	ot	Nonstocke	d	0.8	0	Unspe	cified	No		Convergence of Perry and Real Water roads with RDR - small scramble area also used as a campsite.
61	4130 - Aspen			Sawtimber V		4.7	68	81-1		N/A		Trace white pine, beech, ironwood, red pine in canopy. Trace white spruce, red pine, striped maple in subcanopy. Pretty steep; this acreage
	Canopy Species	% Cover		DBH Ag	e S		nopy Specie		ensity	Avg. Height	Size	was avoided when the adjacent stand was harvested. A surprising
	Sugar Maple	5	Pole/Sapling	6			Beech		edium	Variable	Sapling	amount of regenerating oak. Browsing pressure, but oaks present and
	Bigtooth Aspen	70	Log/Pole	12 6			alsam Fir		Trace	Variable	Sapling	some are some advanced.
	Red Oak	10	Log/Pole	14 8		Ironwood			Low	Variable	Sapling	
	Red Maple	15	Pole/Sapling	6			hite Pine		Trace	>20 feet	Pole	
					Ма	ple Le	aved Viburnu	ım T	Trace	< 5 feet	Tall Shrub	
					Se		erry (Juneber	ry)	Low	5 - 10 feet	Sapling	
						R	ted Oak		Low	Variable	Sapling	