

Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32024 Entry Year 2027 Acreage: 1,886

County: Marquette

Management Area: Menominee-Marquette

Stand Examiner: Sean Fischer

Legal Description:

T44N R24W Section(s) 19, 30, 31

Identified Planning Goals:

To maintain and enhance the sustainability of the forest and its associated communities.

Soil and topography:

Level swamps and wetland drainages with a small amount of gently rolling uplands.

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

Mainly State owned with a few private hunting camps.

Unique Natural Features:

Large lowland conifer swamps in the north part of the compartment are a part of the Cyr Swamp (Sawmill Creek Complex PLU).

Archeological, Historical, and Cultural Features:

None identified

Special Management Designations or Considerations:

Potential for eagle, osprey, and great blue heron rookery. Potential for red-shouldered hawk and northern goshawk. Potential for moose and wolf. Potential for wood turtle.

Potential for calypso orchid, Ram's-head orchid, and rayless mountain ragwort in mixed conifer swamps. Potential for auricled tway-blade, western dock, Farwell's water-milfoil, alternate leaved water-milfoil and linear-leaved gentian along riparian areas.

Watershed and Fisheries Considerations:

This compartment contains Sawmill Creek and Mud Creek. Sawmill Creek and Mud Creek are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from of 65.7 to 68.0°F (cold to cool streams). 300-ft buffers are recommended for Sawmill Creek and Mud Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of medium-textured glacial till and peat and muck. There is insufficient data to determine the glacial drift thickness (~10-100+ feet). The Ordovician Prairie du Chien Group and Cambrian Trempealeau Formation subcrop below the glacial drift. These formations could be used for stone. A quarry is located four miles to the east. There are no gravel pits in the area, but there is potential on the uplands. Abandoned iron mines are located four miles to the northwest. This State land has not been previously leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

County Road RM, a poor gravel road, and the Swampbuck Road, a poor dirt State-maintained road provide limited access to the south portion of the compartment. Also restricted access through private lands via Parker Spur, another poor dirt State-maintained road.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Mainly hunting and fishing, although some berry picking, wildlife viewing is available.

Fire Protection:

Low fire risk area, although suppression activities would be severely hampered, due to lack of roads and access.

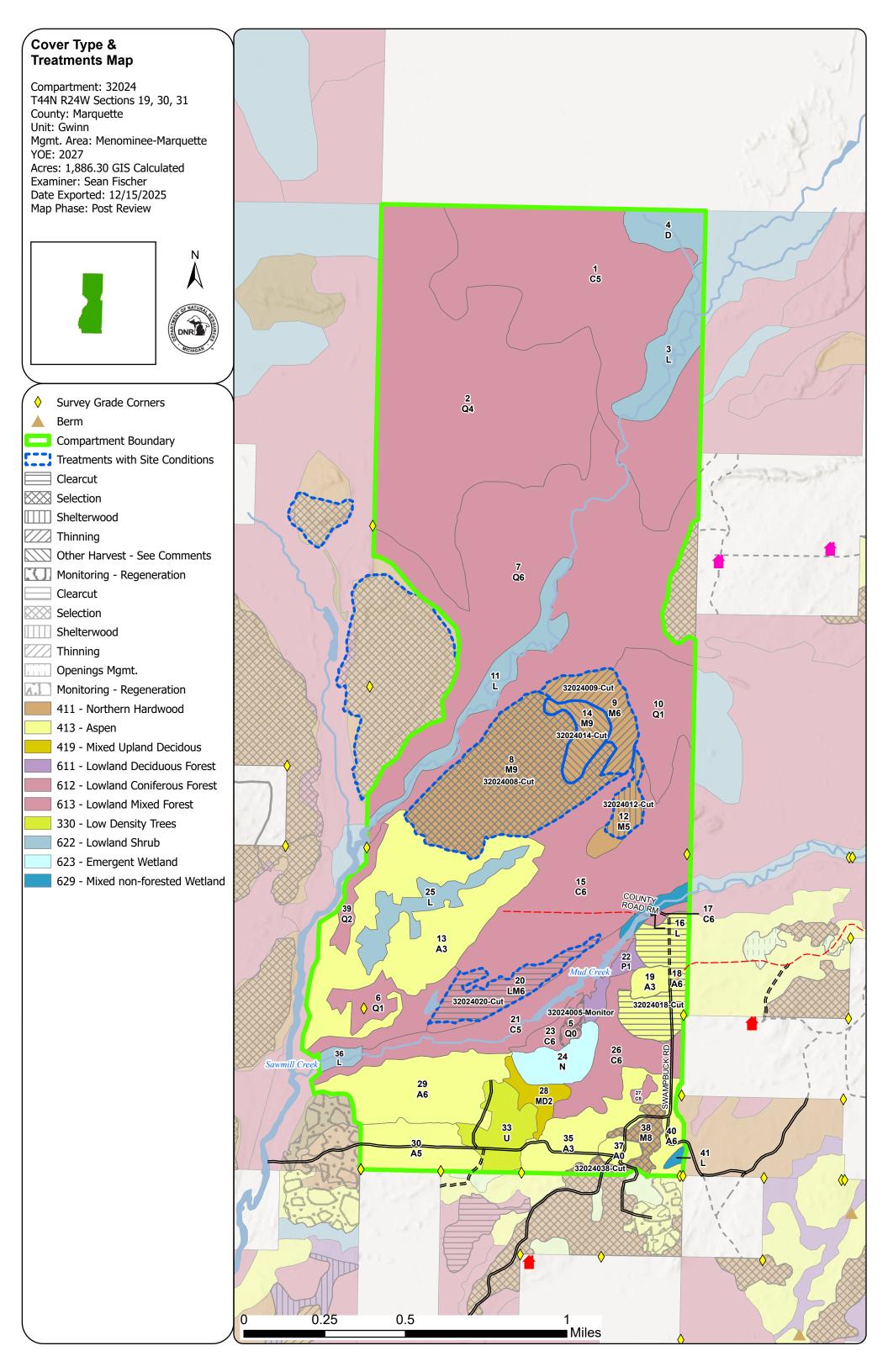
Additional Compartment Information:

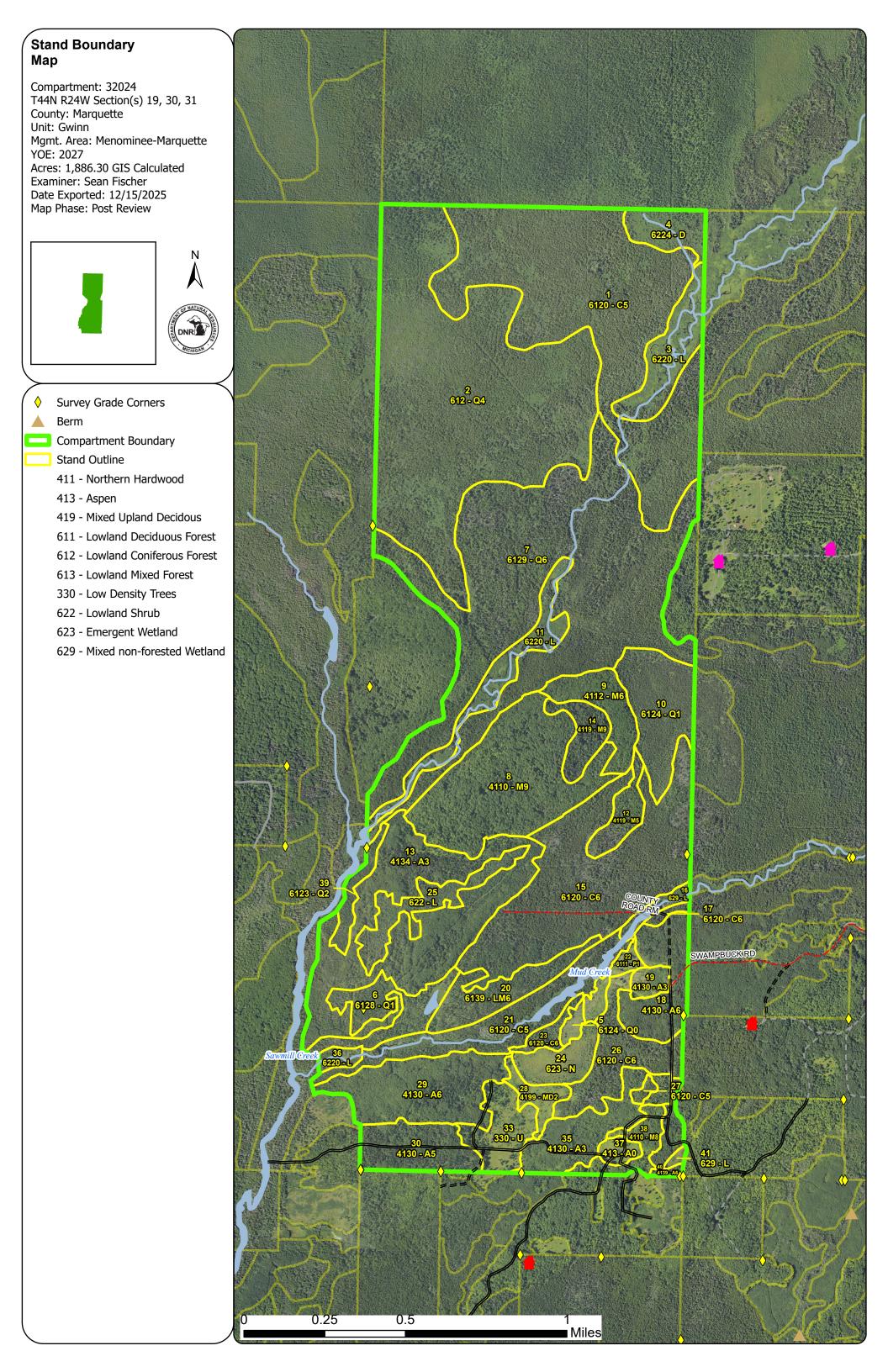
The following reports from the Inventory are attached:

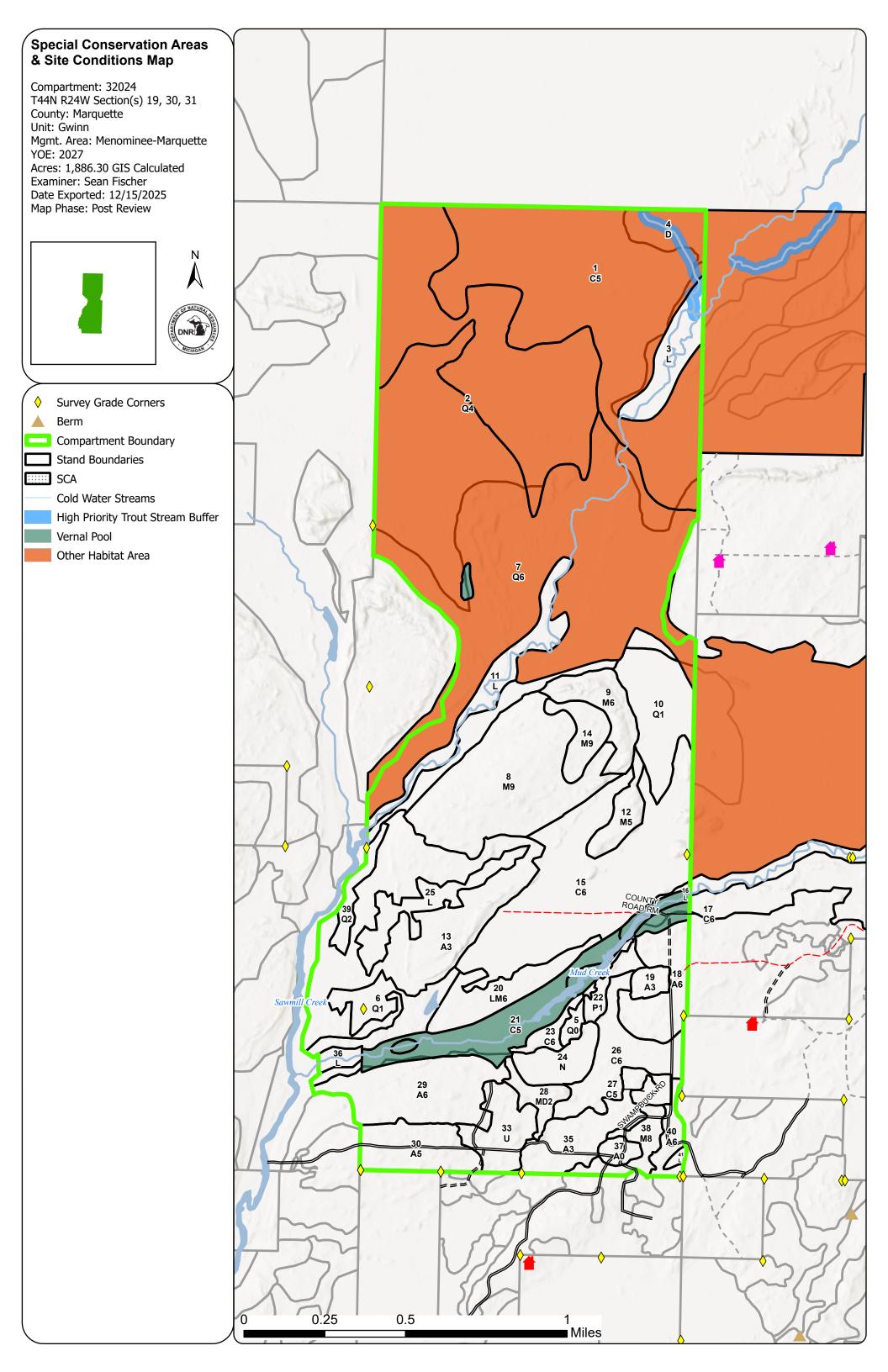
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system







Compartment 24 Year of Entry 2027

Gwinn Mgt. Unit Sean Fischer: Examiner



Age Class

	Zor.		/ 3 ³ / _S	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A A	3 /		/ } /s	8 /	R / 8		3 /4	727	& / _{&}				/ \$ / §	A NOW
Aspen	6	7	38	10	255	0	0	0	0	0	0	0	0	0	0	0	0	0	316
Cedar	0	0	0	0	0	0	0	0	0	0	41	3	7	0	434	0	0	0	485
Low-Density Trees	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	4	0	0	0	42	45	0	0	0	0	0	0	0	304	0	297	0	0	692
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	29
Lowland Shrub	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	122	177
Treed Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	177	27	38	10	297	45	0	0	0	0	96	3	36	304	434	297	0	122	1886



Report 2 – Treatment Summary

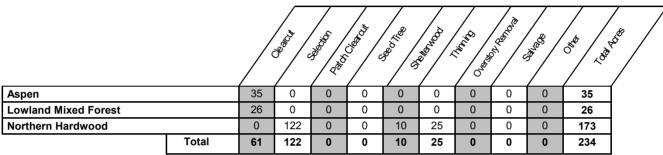
Gwinn Mgt. Unit Year of Entry: 2027

Acres of Harvest

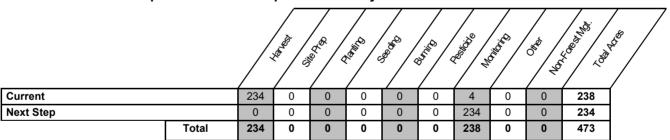
Compartment 24
Total Compartment Acres: 1,886

Commercial Harvest - 98 Harvests with Site Condition - 368 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



<u>Site Condition:</u> Portable Bridge Needed <u>Proposed Start Date:</u> 10/01/2027

Compartment: 32024

S t			· ·		Поро				Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
12	32024012-Cut		4119 - Mixed Iorthern Hardwoods	5 s	90	51-80	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
Spec Next Trea	yellow Step Monito	birch, ceda	ar. Leave tree mark al Regen (Re-Inver	to 30-50 to	otal resi	dual BA, t	favoring retention	regardless of merc on of wildlife-quality ch, cedar, hemlock,	large diamet	t reserve all h	nemlock,
Rege Othe	en:	apie, sagai	тпаріс, оргасо, ус	mow biron,	basswo	ou, oun, t	aopen, wine on	on, oodar, nomiook,			
Site	Condition: Por	table Bridg	e Needed								
Prop	osed Start Date	<u>:</u> 10/01/20)26								
14	32024014-Cut		4119 - Mixed Iorthern Hardwoods	9	90	111- 140	Harvest	Other Harvest - See Comments	411 - Northern Hardwood	Current	No
Pres Spec			able spruce, fir, whit pility only if needed.					d with green paint. N	Mark other specie	s in orange fo	or
	Step Monito	ring, Natur	al Regen (Re-Inver	ntory)							
Acce Rege		maple, bas	sswood, red maple,	cedar, hei	mlock, y	ellow bird	h, white birch, s	spruce, aspen, oak.			
Othe Com	<u>er</u> Harves nment:	t will functi	on as a sts and a t	hinning to	promote	current h	nardwood pole t	imber and encourag	ge northern hardw	ood regenera	ation.
	Condition: Por	table Brida	a Naadad								
	osed Start Date	•									
18	32024018-Cut	35.1	4130 - Aspen	6	35	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
Pres Spec			nches dbh, except n 9-15 inches in dia					/, create 1 drumminឲ stump.	g log for every five		og
	Step Monito	ring, Natur	al Regen (Re-Inver	ntory)							
Acce Rege		, balsam po	oplar, red maple, fir	, spruce, c	edar, bl	ack cherr	y, basswood, sı	ugar maple			
Othe Com	er Stand v nment:	will need 2	-10% retention.								
<u>Site</u>	Condition:										
<u>Prop</u>	osed Start Date	<u>:</u> 10/01/20)26								
20	32024020-Cut	26.2	6139 - Mixed Lowland Forest	6	116	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
Pres Spec								oirch, or trees marke and larger paper b		t. Treatment	acreage
	Step Monito	ring, Natur	al Regen (Re-Inver	ntory)							
Acce Rege	•	ıple, paper	birch, black spruce	e, tamarack	k, fir, ced	dar, aspei	n, fir, balsam po	pplar			
Othe Com	er Recom nment:	mended o	ptional payment un	it							
<u>Site</u>	Condition: Por	table Bridg	e Needed								

Proposed Start Date: 10/01/2026

Gwinn Mgt. Unit Report 3 -- Treatments

Compartment: 32024
Year of Entry: 2027

S t

a											MICHIGAN
n	Treatment Name	Acres	Stand CoverType	Size	Stand	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
a	Name		Coverrype	Delisity	Age	ivalige	i ype	Wethou	Objective	Structure	Cut

Approved Treatments:

38 32024038-Cut 14.3 4110 - Sugar Maple 8 100 51-80 Harvest Selection 411 - Northern Current No Association Hardwood

<u>Prescription</u> Mark stand to 70-90 BA. Maintain older canopy gaps that are growing in while creating new ones to establish/release regeneration. Remove <u>Specs:</u> all merchantable spruce/fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, black cherry, and

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other Do not mark below target in areas with lighter BA.

Comment:

Site Condition:

Proposed Start Date: 10/01/2020

Total Treatment Acreage Proposed: 238.3

Gwinn Mgt. Unit

Sean Fischer: Examiner



Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres	Do	omina	nt Site	e Cond	ditions	5		
Acres	Available	With Condition	Not Available		2D	2G	2H	3J	5A	5D	5E
316	316	0	0	Aspen							
436	2	0	434	Cedar			155	108	171		
26	26	0	0	Low-Density Trees							
9	9	0	0	Lowland Aspen/Balsam Poplar							
608	14	0	594	Lowland Conifers		26	69	154		344	
29	0	26	3	Lowland Mixed Forest	26						3
103	103	0	0	Lowland Shrub							
19	19	0	0	Marsh							
11	11	0	0	Mixed Upland Deciduous							
177	15	159	4	Northern Hardwood	159						4
19	19	0	0	Treed Bog							
1,753	534	185	1,035	Total Forested Acres	185	26	225	263	171	344	7
	30%	11%	59%	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 Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	55	Unspecified	Unspecified	Unspecified	Unspecified
	d Creek.					
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	218	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
	Cond Availability Unavailable Comments: Part of buffer of Muc Unavailable Comments:	Unavailable	Cond Availability Dominant Site Condition Acres Unavailable 3J: Water quality/BMPs (stream, river, or lake) 55 Comments: Part of buffer of Mud Creek. 218 Unavailable 3J: Water quality/BMPs (stream, river, or lake) 218 Comments: 3J: Water quality/BMPs (stream, river, or lake) 3J: Water quality/BMPs (stream, river, or lake)	Cond Availability Dominant Site Condition Acres Other Site Condition Unavailable 3J: Water quality/BMPs (stream, river, or lake) 55 Unspecified Comments: Part of buffer of Mud Creek. Unavailable 3J: Water quality/BMPs (stream, river, or lake) 218 Unspecified Comments: Unavailable (stream, river, or lake) 3 Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition Unavailable 3J: Water quality/BMPs (stream, river, or lake) 55 Unspecified Unspecified Comments: Part of buffer of Mud Creek. Unavailable 3J: Water quality/BMPs (stream, river, or lake) 218 Unspecified Unspecified Comments: Unavailable 3J: Water quality/BMPs (stream, river, or lake) 3 Unspecified Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition Other Site Condition Unavailable 3J: Water quality/BMPs (stream, river, or lake) 55 Unspecified Unspecified Unspecified Unavailable 3J: Water quality/BMPs (stream, river, or lake) 218 Unspecified Unspecified Unspecified Comments: Unavailable 3J: Water quality/BMPs (stream, river, or lake) 3 Unspecified Unspecified Unspecified

Gwinn Mgt. Unit Sean Fischer: Examiner



4	Unavailable	5A: Not able to obtain desirable regeneration	32	3J: Water quality/BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
	Comments: Includes buffer of in	ntermittent stream within stand	which d	rains beaver dam to the so	outh. Also includes bmp buff	er of Mud Creek.	
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	2D: Portable bridge needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
	Comments: Wet failed portion of	f larger surrounding aspen star	nd. Nee	d bridge over mud creek to	o the south to access stand.		
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Unavailable	5D: Unproductive forest land	299	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Gwinn Mgt. Unit Sean Fischer: Examiner



10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	155	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
11	Unavailable	5E: Long-Term Retention	4	2D: Portable bridge needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
С	omments:						
12	Unavailable	5D: Unproductive forest land	45	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
С	omments:						
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	69	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
14	Unavailable	5A: Not able to obtain desirable regeneration	139	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
15	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	26	Unspecified	Unspecified	Unspecified	Unspecified
	omments: tand is blocked by	/ Sawmill Creek to the South, ve	ery wet	cedar to the north, and wet b	eaver flooded area to th	e west	_

Gwinn Mgt. Unit Sean Fischer: Examiner Compartment: 24 Year of Entry: 2027



16	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	107	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Need to check area	as to seat bridge when the snow	is off.	May be a place for a bridge n	ear western-most edge	of compartment.	
17	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	25	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Need to check area	as to seat bridge when the snow	is off.	May be a place for a bridge n	ear western-most edge	of compartment.	
18	Available	2D: Portable bridge needed (Dept. bridge will be adequate)	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Need to check area	as to seat bridge when the snow	is off.	May be a place for a bridge n	ear western-most edge	of compartment.	
19	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Part of buffer of Mu	ud Creek.					

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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				



tand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed Si	te	General Comments
1	6120 - Lov	vland Ceda	ar Pole	etimber	Medium	233.2	138	51-80	N/A		Smaller diameter cedar within tagalder. Some scattered spruce,
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	tamarack. Soils are Carbondale and Tawas mucks. Part of Cyr Swamp.SF 2025: Confirmed last inventory data.
	Black Spruce	2	Sapling/Pole	4		Tag	g Alder	High	5 - 10 feet	5 - 10 feet	ovampior 2020. Committee last involvery data.
Nort	thern White Cedar	96	Pole/Sapling	5	138						-
	Tamarack	2	Pole/Sapling	6							
2	612 - Lowland C	Coniferous	Forest Po	oletimb	er Poor	303.9	127	1-50	N/A		Lower stocking than adjacent cedar stand - more tagalder and intermittent drainages. Soils are Carbondale and Tawas. Part of Cy Swamp.
3	6220 - Al	der/Willow	1	Nor	е	32.5			No		Lowland brush/tagalder containing Sawmill Creek.
4	6224 - T	reed Bog		Nor	e	19.1			No		Mainly spruce, cedar. Part of Cyr Swamp.SF 2025: Tamarack seen on imagery as well.
5	6124 - Lowla	ind Spruce	-Fir	Unspe	cifed	4.0	5				Sf 2025: Cut portion of stand 23, cut around 2020. OPIC - FMD: WELL-STOCKED 3-STICK B,SPRUCE. LEAVE FOR BUFFER
						Sub-Can	opy Species	Density	Avg. Height	Size	ALONG CREEK
						Balsa	m Poplar	Medium	5 - 10 feet	5 - 10 feet	
						Bals	sam Fir	Medium	< 5 feet	< 5 feet	
							narack	Medium	< 5 feet	< 5 feet	
						Ian	IIaiack	Mediuiii	10100	< 5 leet	
							g Alder	Medium	5 - 10 feet	5 - 10 feet	
						Тад			-		
						Tag Black	Alder	Medium	5 - 10 feet	5 - 10 feet	
						Tag Black Northern	Alder Spruce	Medium Medium	5 - 10 feet < 5 feet	5 - 10 feet < 5 feet	
6	6128 - Lowland (Deci	Coniferous, duous	, Mixed S	Sapling	Poor	Tag Black Northern	Alder Spruce White Cedar	Medium Medium Trace	5 - 10 feet < 5 feet >20 feet	5 - 10 feet < 5 feet >20 feet	"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992. Scattered conifers.SF 2025: Wet mixed lowland sapling/pole
		duous	, Mixed S		Poor	Tag Black Northern Aspe	y Alder Spruce White Cedar en (spp.)	Medium Medium Trace Medium	5 - 10 feet < 5 feet >20 feet 5 - 10 feet	5 - 10 feet < 5 feet >20 feet	Scattered conifers.SF 2025: Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, n
	Deci	duous				Tag Black Northern Aspe 31.5 Sub-Can	y Alder s Spruce White Cedar en (spp.)	Medium Medium Trace Medium 1-50	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A	5 - 10 feet < 5 feet >20 feet 5 - 10 feet	Scattered conifers.SF 2025: Wet mixed lowland sapling/pole
	Deci Canopy Species	duous % Cover	Size Class	DBH		Tag Black Northern Aspe 31.5 Sub-Can	y Alder x Spruce White Cedar en (spp.) 33 opy Species	Medium Medium Trace Medium 1-50 Density	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A Avg. Height	5 - 10 feet < 5 feet >20 feet 5 - 10 feet	Scattered conifers.SF 2025. Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, revery dense. Contains large beaver dam and flooded opening in the
(Deci Canopy Species Red Maple	% Cover	Size Class Sapling	DBH		Tag Black Northern Aspe 31.5 Sub-Can Red Bals	y Alder k Spruce White Cedar en (spp.) 33 opy Species Maple	Medium Medium Trace Medium 1-50 Density Medium	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet	5 - 10 feet < 5 feet >20 feet 5 - 10 feet Size 10 - 20 feet	Scattered conifers.SF 2025. Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, revery dense. Contains large beaver dam and flooded opening in the
C	Canopy Species Red Maple Paper Birch	% Cover 2 10	Size Class Sapling Sapling/Pole	DBH 3 3	Age	Tag Black Northern Aspe 31.5 Sub-Can Red Bals	y Alder s Spruce White Cedar en (spp.) 33 opy Species Maple sam Fir	Medium Medium Trace Medium 1-50 Density Medium High	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet Variable	5 - 10 feet < 5 feet >20 feet 5 - 10 feet Size 10 - 20 feet Variable	Scattered conifers.SF 2025. Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, revery dense. Contains large beaver dam and flooded opening in the
C	Decinication Decin	## Cover 2	Size Class Sapling Sapling/Pole Sapling/Pole	DBH 3 3 4	Age 33	Tag Black Northern Aspe 31.5 Sub-Can Red Bals Tan	y Alder s Spruce White Cedar en (spp.) 33 opy Species Maple sam Fir narack	Medium Medium Trace Medium 1-50 Density Medium High Low	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet Variable 5 - 10 feet	5 - 10 feet < 5 feet >20 feet 5 - 10 feet Size 10 - 20 feet Variable 5 - 10 feet	Scattered conifers.SF 2025. Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, revery dense. Contains large beaver dam and flooded opening in the
C	Decinication Decin	## Cover 2	Size Class Sapling Sapling/Pole Sapling/Pole Sapling	DBH 3 3 4 4	Age 33	Tag Black Northern Aspe 31.5 Sub-Can Red Bals Tan A	y Alder x Spruce White Cedar yn (spp.) 33 opy Species Maple sam Fir narack	Medium Medium Trace Medium 1-50 Density Medium High Low High	5 - 10 feet < 5 feet >20 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet Variable 5 - 10 feet 5 - 10 feet	5 - 10 feet < 5 feet >20 feet 5 - 10 feet Size 10 - 20 feet Variable 5 - 10 feet 5 - 10 feet	Scattered conifers.SF 2025: Wet mixed lowland sapling/pole stand. Failed portion of surrounding aspen stand. Low basal area, n very dense. Contains large beaver dam and flooded opening in the

297.4

1074

Poletimber Well

Compartment: 24 Year of Entry: 2027



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

81-110

140

100

Canopy Species	% Cove	r Size Class	DBH	Age
Red Maple	3	Pole/Log	8	
Paper Birch	5	Pole/Log	9	
Quaking Aspen	1	Log	16	
Balsam Fir	2	Pole/Sapling	5	
White Spruce	2	Log	12	
Black Spruce	32	Pole/Sapling	6	
Northern White Cedar	45	Pole/Log/Sap	7	140
Tamarack	3	Pole/Log	9	
White Pine	3	XLog/Log	22	
Hemlock	2	Log/XLog/Pole	12	
Black Ash	2	Pole/Sapling	5	

6129 - Mixed Coniferous Lowland Forest

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	>20 feet	>20 feet
Balsam Fir	High	Variable	Variable
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Spruce	Medium	>20 feet	>20 feet
Northern White Cedar	Low	10 - 20 feet	10 - 20 feet

N/A

N/A

N/A

OPIC - FMD: SAWMILL CREEK FLOWS THOUGH STAND. 2015: Mainly cedar, especially along Sawmill Creek, with scattered higher grounds containing more merchantable mixed spruce/fir and remnant old white pine, hemlock. Any treatments would be greatly limited by heavy cedar component, access, and bridge would be required over Sawmill Creek. SF 2025: Confirmed last inventory data. Most of spruce, birch, and red maple are located within bmp buffer of Sawmill

8 4110 - Sugar Ma	ple Asso	ociation Sa	wtimb	er Well
Canopy Species	% Cove	r Size Class	DBH	Age
Sugar Maple	25	XLog	25	125
Sugar Maple	52	Log/Pole	15	100
Red Maple	5	Log/Pole	12	125
Yellow Birch	5	XLog/Log	18	
Basswood	5	Log/XLog	14	
Paper Birch	1	Pole/Log/Sap	7	
Quaking Aspen	1	Log	15	
Balsam Fir	1	Pole	7	
White Spruce	2	Log/XLog	16	
Northern White Cedar	1	Log	10	
Hemlock	1	Log/XLog/Pole	14	
Black Cherry	1	Pole	8	

. 107.1		1477	•
Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable
Ironwood	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
White Spruce	Low	Variable	Variable

111-140

OPIC - FMD: REMOTE, LARGE TREES. Poles in NE part of stand, with larger diameters interior. Need bridge over Mud Creek to access. Long snowplow (approximately 7 miles) of Swamp Buck Road, plus A3 to cross to get to the sale. Access from north, across treed bog and through private lands, might be possible but not likely due to questionable ability to freeze bog. Stand was previously set-up as "Mud Creek Sale" #005-07 - sale was cancelled without any activity, due to site conditions restricting access. Portable bridge would be insufficient, due to additional beaver flooding at crossing. Old orange and red paint is still visible. Heavy defects noted throughout - some areas more to small poles, saplings. Dead white spruce, fir and aspen within, as well as snapped spruce, basswood and aspen. Legacy trees present. Some rolling topography and ridges, esp. along lowland areas. Leatherwood noted. SF 2025: Xlog size supercanopy sugar maple trees with log size sugar maple in the dominant position of the normal canopy. Fair sawtimber potential in the log size sugar maple. Lots of defect and disease observed. Many good quality (large diameter, cavitatious) trees observed. Most maple saplings are not acceptable growing stock.

9	4112 - Maple,	Beech,	Cherry	Association	Poletimber Well

1

2

24.9 97

141-170

Size	time. Y
0 - 20 feet	
5 - 10 feet	
5 - 10 feet	
>20 feet	

Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	7	Pole/Log	7		Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	85	Pole/Log/Sap	9	97	White Spruce	Low	5 - 10 feet	5 - 10 feet
Yellow Birch	2	XLog	20		Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	2	Log	12		Red Maple	High	>20 feet	>20 feet
White Spruce	1	XLog	18					

10

8

Log/Pole

Pole/Loa

Higher ridge of smaller timber. A few legacy red and sugar maple within. SF 2024: Dense red maple pole stand, unthinned for a long ounger than hardwood stands to the west.

Hemlock

Black Cherry

Compartment: 24 Year of Entry: 2027



Stand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		iite	General Comments										
10	6124 - Lowla	and Spruce	-Fir	Sapling	Poor	45.2	42	1-50	N/A	١	Lab tea ground cover. Stand edges contain slightly larger dbh				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stems.SF 2025: Stand is low density, close to a treed bog complex. Stems are small diameter and very slow growing. Low				
	Balsam Fir	2	Sapling/Pole	4			k Spruce	Medium	5 - 10 feet	5 - 10 feet	ground. Ground cover of Labrador tea, sphagnum moss, leatherle Dwarf mistletoe present on black spruce.				
	Black Spruce	49	Sapling/Pole	4	42					1	Dwarf mistletoe present on black spruce.				
No	rthern White Cedar	5	Pole	5											
	Tamarack	42	Pole/Sapling	5											
	White Pine	2	Sapling	2											
11	6220 - Al	lder/Willow	1	Nor	ie	31.7			No	1	Lowland brush along Sawmill Creek. Creek only about 10ft wide here.				
						Sub-Car	nopy Species	Density	Avg. Height	Size	Surrounded by lowland stands on all sides.				
						Та	g Alder	Full	5 - 10 feet	5 - 10 feet					
						Ва	lsam Fir	Trace	>20 feet	>20 feet					
						Wh	ite Pine	Trace	>20 feet	>20 feet					
						Blac	k Cherry	Trace	>20 feet	>20 feet					
						Blac	k Spruce	Trace	>20 feet	>20 feet					
12	4119 - Mixed No	orthern Har	dwoods Pol	etimber	Mediu	ım 14.1	90	51-80	N/A	٨	Stand was set-up as "Mud Creek Sale" #005-07 - sale was cancelled				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	without any activity, due to site limitations. Older balsam fir, aspen has died out of stand. Majority of stand is lower site.Sf 2025:				
	Red Maple	60	Log/Pole	11	90	Re	d Maple	Low	Variable	Variable	Stand is red maple log/pole stand with a component of log/pole size				
	Yellow Birch	5	Log	14		Ва	lsam Fir	Medium	Variable	Variable	white birch. Understory is heavily dominated by dead fir poles and				
	Paper Birch	20	Log/Pole	10							saplings. Red maple stem quality is ok to poor.				
	Balsam Fir	2	Sapling/Pole	4											
	White Spruce	3	Log/Pole	11											
No	rthern White Cedar	3	Log/Pole	10											
	White Pine	2	XLog	20											
	Hemlock	5	XLog/Log	18											
13	4134 - Aspe	en, Spruce	/Fir	Sapling		127.3	33	51-80	N/A	1	"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992. Some sparse and wet areas, but overall well-stocked. Small opening				
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	along north end. Scattered conifers.SF 2025: Stand is an upland				
	Red Maple	1	Pole	6	33	Blac	k Cherry	Medium	10 - 20 feet	10 - 20 feet	patchy aspen stand with large low ground areas. The quality and size				
	Paper Birch	2	Sapling/Pole	4		Ва	lsam Fir	High	Variable	Variable	of trees is also patchy. Openings of tag alder, forbs, and grasses exist both in upland and lowland areas.				
	Quaking Aspen	39	Pole/Sapling	7	33	Re	d Maple	High	< 5 feet	< 5 feet	Dour in apiana and iowiand areas.				
	Bigtooth Aspen	10	Pole	8	33		d Maple	Medium	10 - 20 feet	10 - 20 feet					
	Balsam Poplar	15	Pole	6	33		g Alder	Medium	5 - 10 feet	5 - 10 feet					
	Balsam Fir	15	Pole	5	33		e Spruce	Low	10 - 20 feet	10 - 20 feet					
	Black Spruce	15	Pole	5		Asp	en (spp.)	Medium	10 - 20 feet	10 - 20 feet					

Northern White Cedar

Black Cherry

Pole

Pole/Sapling

6

5

1

2



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed Site		General Comments				
14	4119 - Mixed No	rthern Har	dwoods Sa	wtimb	er Well	16.2	90	111-140	N/A	4	OPIC - FMD: OLD HABITAT CUT.SPROUT ORIGIN TREES. SOME				
(Canopy Species % Cover Size Class			DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	BIG RESIDUAL. Thicker balsam fir with spruce; clump red maple and black cherry. Fir is overmature and should be harvested; some				
	Sugar Maple	27	XLog/Log	22	90	Re	d Maple	Medium	>20 feet	>20 feet	already standing dead. Soils are Charlevoix-Ensley.SF 2025:				
	Red Maple	9	Log	12		Ame	rican Elm	Trace	10 - 20 feet	10 - 20 feet	Stand contains large diameter dominant sugar maple and basswood				
	Basswood	30	Log	12	90	Bal	sam Fir	High	>20 feet	>20 feet	with a mid story of maple poles and fir. Poles are developing well, but are largely too small to be thinned. The fir and spruce is overmature,				
	Quaking Aspen	1	Log	12		Whit	e Spruce	Medium	Variable	Variable	with 30% dead or dying from SBW. Many of the hardwood trees are				
	Balsam Fir	30	Pole/Log	9	90	Irc	nwood	Trace	10 - 20 feet	10 - 20 feet	well past economic maturity, are hazard trees, and are now wildlife-				
	White Spruce	2	Log/XLog/Pole	12						1	quality (large diameter and cavitatious trees) Stand is succeeding to full uneven aged northern hardwoods.				
	Black Cherry	1	Pole/Log	9							Tull unever aged northern hardwoods.				
15	6120 - Lov	vland Ceda	ar Po	letimb	er Well	146.3	135	111-140	N//	4	SF 2025: Lowland cedar stand with supercanopy white spruce.				
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Patches of tamarack within.Lab tea ground cover noted.				
	Red Maple	2	Pole	8		Bal	sam Fir	High	5 - 10 feet	5 - 10 feet					
	Paper Birch	2	Pole/Sapling	6		Ta	g Alder	Medium	5 - 10 feet	5 - 10 feet					
	White Spruce	2	Log	12		Blac	k Spruce	High	Variable	Variable					
Nort	thern White Cedar	80	Pole/Sap/Log	6	135						-				
	Tamarack	10	Pole/Log	8											
	White Pine	2	XLog/Log	22											
	Hemlock	2	Log/XLog	16											
16	629 - Mixed non	-forested V	Vetland	Nor	ne	6.8			No)	Contains Mud Creek. Mostly tag alder with clumps of poles interior				
						Sub-Car	nopy Species	Density	Avg. Height	Size	and on the perimeter.				
						Та	g Alder	Full	5 - 10 feet	5 - 10 feet					
						Bal	sam Fir	Low	>20 feet	>20 feet					
						Та	marack	Trace	>20 feet	>20 feet					
						Blac	k Spruce	Low	>20 feet	>20 feet					
						Northern	White Cedar	Low	>20 feet	>20 feet					
17	6120 - Lov	vland Ceda	ar Po	letimb	er Well	2.6	105	81-110	N//	4	Stand provides upland buffer to Mud Creek.				
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size					
	Red Maple	1	Pole	8		Bal	sam Fir	Medium	Variable	Variable					
	Paper Birch	10	Pole/Log	9				,			_				
	Quaking Aspen	10	Log	14											
E	Balsam Poplar	5	Log/Pole	12											
	Balsam Fir	5	Pole/Sapling	5											
	White Spruce	2	Log	10											
Nort	thern White Cedar	67	Log/Pole	10	105										

ds Compartment: 24
Year of Entry: 2027

DNR
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Stand	d Level 4 C	over Type	s	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
18	4130	- Aspen	Po	oletimber Well		35.1	35.1 35 81-110 N/A			4	"Swampbuck Aspen" sale #002-87 - cut sp/su 1989 with C. 25 to the
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	east. A 1 acre patch of hardwood was retained within stand. Ground cover of trillium, hazel, raspberry noted.SF 2024: Great quality
	Red Maple	4	Pole	7	35	Ва	lsam Fir	Medium	Variable	Variable	upland aspen stand, approaching its peak quality early.
	Quaking Aspen	85	Pole/Sap/Log	8	35	Blad	ck Cherry	Low	10 - 20 feet	10 - 20 feet	
	Balsam Poplar	5	Sapling/Pole	4	35	Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	3	Sapling/Pole	4		Map	ole (spp.)	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	2	Sapling	3	35	Whi	te Spruce	Low	Variable	Variable	
No	orthern White Cedar	1	Pole	7							
19	4130	- Aspen	\$	Sapling	g Well	6.6	5 I	mmature	N/A	4	Cut around 2019.Stand is in decline - blowdown large white
	Canopy Species	% Cover	Size Class	DBH	l Age						spruce, dead aspen and fir. Harvest now. Trace hardwoods from early 30's stand. Trace elm. Transitions into lower ground with more
	Red Maple	2	Sapling	1	5						paper birch, spruce. SF 2025: Well stocked aspen stand. Upland
	Quaking Aspen	84	Sapling	2	5						with lowland patches. In some lowland patches, especially those
	Balsam Poplar	6	Sapling	1	5						which experienced some rutting last entry, aspen is not regenerating, cattail and rubus spp. occupy these areas.
	Balsam Fir	5	Sapling	1	5						and razas spp. socapy most a sac.
	White Spruce	1	Sapling	2	5						
	Black Cherry	2	Sapling	1	5						
20	6139 - Mixed	Lowland F	orest Po	oletimb	er Well	29.4	116	51-80	N/A	4	SF 2025: Spruce in stand is falling apart, as is birch, resulting in
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	variable basal areas ranging from 30-40 to 70-80. Wet. Very difficult access due to beaver flooding.Need bridge over Mud Creek and
	Red Maple	10	Pole	7		Ва	lsam Fir	Medium	5 - 10 feet	5 - 10 feet	DEQ permit; winter job. Stand was set-up as "Mud Creek Sale" #005-
	Paper Birch	40	Pole/Log	8		Re	d Maple	High	5 - 10 feet	5 - 10 feet	07 (unit 1) - sale was cancelled without any activity, due to site
	Balsam Fir	5	Pole/Sapling	6		Pap	oer Birch	Medium	5 - 10 feet	5 - 10 feet	conditions and inability to get bridge installed.
	Black Spruce	40	Pole/Sapling	7	116	Ta	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	5	Pole/Log	9		Blac	k Spruce	Medium	< 5 feet	< 5 feet	
21	6120 - Lo	wland Ceda	ar Pole	etimbe	r Mediun	n 54.9	135	51-80	N/A	4	Contains Mud Creek and buffer. Some dead timber, due to beaver
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	activity along creek. Patchy timber.SF 2025: Density highly variable in stand, with patches of dead timber from flooding. Cedar
	Balsam Fir	10	Pole/Log/Sap	8		Ва	lsam Fir	Medium	10 - 20 feet	10 - 20 feet	pole timber patches are most common, but also has patches of
	White Spruce	2	Log	14		Re	d Maple	Low	10 - 20 feet	10 - 20 feet	spruce/fir and tag alder.
	Black Spruce	10	Pole/Sap/Log	7		Par	oer Birch	Low	10 - 20 feet	10 - 20 feet	
											1

High

5 - 10 feet

5 - 10 feet

Northern White Cedar

78

Pole/Log

8 135

Tag Alder



Stand	l Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed Site		General Comments			
22	6111 - Lowlan	d Balsam F	Poplar	Saplin	g Poor	8.7	6 I	mmature	N/	/A	SF 2025: Well stocked lowland balsam poplar/ aspen stand. Some			
	Canopy Species	py Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size					Size	small areas not regenerating, coming back to cattail, tag alder, Rubus spp. and bracken fern. Cut around 2019.OPIC - FMD:						
	Red Maple	2	Sapling	1	6	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	MORAINE, AREA., VARIETY OF SPECIES, LEAVE FOR BUFFER			
	Quaking Aspen	30	Sapling	1	6			,			ALONG CREEK. Narrow ridge with swamp/lowlands on either sides.			
	Balsam Poplar	57	Sapling	1	6						Cedar along edges. Paper birch is dying out; being replaced by fir/spruce. Trace cherry within. Heavy fir blowdown noted at south			
	Balsam Fir	2	Sapling	1	6						end of ridge. Stand transitions into more black spruce/fir on lower			
	White Spruce	1	Sapling	1	6						grounds. Some of the smaller paper birch (4-6" dbh noted) are			
No	rthern White Cedar	2	Pole	7							healthy - leave as retention.SF 2025: Stand is well stocked lowland aspen sapling stand, with most of stems being balsam poplar or			
	Tamarack	1	Sapling	1							quaking aspen. Black cherry, tamarack, fir, red maple, and white			
	Black Cherry	5	Sapling	1	6						spruce saplings within stand as well. Some small areas not			
											regenerating, often where rutting had occurred. These coming back to cattail, rubus spp., and tag alder. Retention kept along sawmill creek from last harvest.			
23	6120 - Lo	6120 - Lowland Cedar Poletimber Well 6.9 116 51-80 N/A				/A	SF 2025: Highly variable stand. Pockets of cedar pole timber, tag							
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	alder thickets, and birch within. contains a small (3ft wide) tributary to Mud Creek. Tributary is dammed south of the stand. Likely kept as a			
	Paper Birch	10	Pole	6		Ва	ılsam Fir	High	10 - 20 feet	10 - 20 feet	BMP buffer from portion of the same stand to the east which was			
	Balsam Poplar	3	Pole	6		Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet	harvested around 2020. OPIC - FMD: WELL-STOCKED 3-STICK B.SPRUCE. LEAVE FOR BUFFER ALONG CREEK			
	Balsam Fir	5	Pole/Sapling	9 6		Blad	ck Spruce	Low	5 - 10 feet	5 - 10 feet	B,SPRUCE. LEAVE FOR BUFFER ALONG CREEK			
	Black Spruce	22	Log/Pole	12	116	Bla	ck Cherry	Low	10 - 20 feet	10 - 20 feet				
No	rthern White Cedar	60	Pole/Log	9	116	Re	ed Maple	Low	10 - 20 feet	10 - 20 feet				
						Ta	ag Alder	High	5 - 10 feet	5 - 10 feet				
24	623 - Emei	623 - Emergent Wetland None 19.1 No					- Emergent Wetland None 19.1 No					0	OPIC - FMD: MARSH AND BEAVER DROWNED TIMBERSf	
						Sub-Ca	nopy Species	Density	Avg. Height	Size	(3ft bankfull width) intermittent tributary to Mud Creek. Part of stand is			
						Bals	am Poplar	Low	10 - 20 feet	10 - 20 feet	open water, but it is mostly tag alder. Standing dead timber snags			
							Alder	High	5 - 10 feet	5 - 10 feet	within.			
						Ва	llsam Fir	Low	10 - 20 feet	10 - 20 feet				
						Ta	amarack	Low	10 - 20 feet	10 - 20 feet				
						Re	ed Maple	Low	10 - 20 feet	10 - 20 feet				
						Pa	per Birch	Low	10 - 20 feet	10 - 20 feet				
						Blad	ck Spruce	Low	10 - 20 feet	10 - 20 feet				
						Northern	n White Cedar	Low	>20 feet	>20 feet				

t 7 – Stands

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Stand	Level 4 C	el 4 Cover Type Size Density Acres Stand Age BA Range Managed Site				Site	General Comments				
25	622 - Lov	vland Shrub	0	None		25.8			No	1	"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992. Scattered conifers.SF 2025: Failed portion of surrounding aspen
						Sub-Car	nopy Species	Density	Avg. Height	Size	stand which came back to tag alder and scattered conifers. Roughly
						Balsa	am Poplar	Trace	10 - 20 feet	10 - 20 feet	10 BA of fir poles. Very wet stand. Lowland forbs and grasses also
						Quak	ing Aspen	Low	10 - 20 feet	10 - 20 feet	make up the ground cover.
						Bal	sam Fir	Low	>20 feet	>20 feet	
						Bal	sam Fir	Low	Variable	Variable	
						Red	d Maple	Trace	10 - 20 feet	10 - 20 feet	
						Pap	er Birch	Trace	5 - 10 feet	5 - 10 feet	
						Blac	k Spruce	Low	10 - 20 feet	10 - 20 feet	
						Northern	White Cedar	Low	>20 feet	>20 feet	
26	6120 - Lo	wland Ceda	ar P	oletimber \	Vell	38.6	97	111-140	N/A	١	OPIC - FMD: WELL STOCKED C MIXED WITH POORLY STOCKED
Can	opy Species	% Cover	Size Class	DBH A	ge	Sub-Car	nopy Species	Density	Avg. Height	Size	Q+P AREAS.MOSTLY SMALL WOOD. 2015: Drainage flows through stand with high cedar component; other areas of stand more
Ame	erican Elm	1	Pole	9		Blac	k Cherry	Trace	10 - 20 feet	10 - 20 feet	mixed.SF 2025: Stand highly variable in composition and basal
Re	ed Maple	2	Pole	8		Bla	ick Ash	Medium	10 - 20 feet	10 - 20 feet	area. Areas of high stocking cedar are mixed with areas of cedar
Yel	llow Birch	5	Log	13		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	mixed with maple, birch, and aspen. All very wet. Spruce budworm kinted in fir and spruce. Pockets heavier to dead ash as well.
Pa	per Birch	5	Pole/Log/Sap	8		Blac	k Spruce	Low	Variable	Variable	Thoted III III and spruce. Pockets heavier to dead ash as well.
Qual	king Aspen	5	Pole/Log	8		Bal	sam Fir	Medium	Variable	Variable	
Bals	sam Poplar	5	Pole/Log	9					I		
Ва	alsam Fir	5	Pole	7 3	5						
Blad	ck Spruce	10	Pole/Sapling	7							
Norther	n White Cedar	55	Log/Pole	11 9	7						
ВІ	lack Ash	6	Pole	8							
Bla	ck Cherry	1	Pole	6							
27	6120 - Lo	wland Ceda	ar Pol	etimber M	edium	n 2.3	97	81-110	N/A	١	Lowland retention patch within aspen harvest.SF 2025: Confirmed
Can	opy Species	% Cover	Size Class	DBH A	ge	Sub-Car	nopy Species	Density	Avg. Height	Size	last inventory notes.
Qual	king Aspen	8	Log/Pole	10		Blac	k Spruce	Low	Variable	Variable	
Bals	am Poplar	5	Pole/Log	8		Bal	sam Fir	Medium	Variable	Variable	
Ва	alsam Fir	2	Pole	6							
Whi	ite Spruce	5	Log	12							
Norther	n White Cedar	80	Pole/Log	9 9	7						
28 41	99 - Other Mixe	d Upland D	eciduous S	apling Med	ium	10.6	5	Immature	N/A	λ	SF 2025: Patches of balsam poplar and aspen species with spruce,
Can	opy Species	% Cover	Size Class	DBH A	ge						fir, stump sprout red maple, and black cherry regenerating in patches Barely passed regeneration check. Rubus spp., tag alder, grasses,
Qual	king Aspen	36	Sapling	2	5						and forbs are impeding regeneration in areas. Cut around
Bals	am Poplar	48	Sapling		5						2020.FORMER OPEN AREA SEEDING IN TO FIR, SOME
Ва	alsam Fir	10	Sapling		5						HARDWOODS. 2015: Very mixed stand. Some areas of stand can be very wet - swales - with ridge of smaller maple poles to the east.
Wh	ite Spruce	1	Sapling		5						Lots of smaller fir regeneration (from budworm kill in the 80's) under
Bla	ck Cherry	5	Sapling	2	5						older fir, which is blowing down/dying, and some scattered maple, cherry, basswood within as well.

Compartment: 24 Year of Entry: 2027



Stan	d Level 4 C	over Type	S	Size De	ensity	Acres Stand A	Stand Age BA Range		Managed S	ite	General Comments			
29	4130	4130 - Aspen		Poletimber Well		60.8 32	111-14	40	N/A		"Mud Creek" sale #036-88 (unit 1, 2) cut Feb 1990 and Jan-March,			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	ecies Den	nsity	Avg. Height	Size	1991. East half of stand has lower stocked areas with heavier conifer component; semi-open.SF 2025: Good quality aspen stand. Wet			
	American Elm	1	Pole/Sapling	7	32	Balsam Fir	Me	dium	Variable	Variable	pockets and swales within where aspen did not regenerate heavier to			
	Red Maple	1	Pole	8		Black Ash	L	.OW	5 - 10 feet	5 - 10 feet	black ash. Some areas very heavy to fir/ spruce. These areas have			
	Paper Birch	2	Sapling	4		White Spruce	L	.ow	Variable	Variable	experienced a fair amount of spruce budworm kill.			
	Quaking Aspen	77	Pole	9	32	Black Cherry	L	.ow	5 - 10 feet	5 - 10 feet				
	Balsam Poplar	7	Pole	6	32	Hazelnut (Spp	.) Me	dium	5 - 10 feet	5 - 10 feet				
	Balsam Fir	8	Pole	8	32		'			1				
	White Spruce	2	Sapling/Pole	4										
	Black Ash	1	Pole	7	32									
	Black Cherry	1	Sapling/Pole	4										
30	4130	- Aspen	Pole	etimbe	r Mediur	m 32.2 34	51-80	0	N/A	1	"Mud Creek" sale #036-88 (unit 1,2) cut winter,1990. Some residual			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	ecies Den	nsity	Avg. Height	Size	fir and aspen within. Heavy soils; lots of rutting in old roadbed, due to ORV's and trucks. Lots of ponding water in those areas.SF 2025:			
	Sugar Maple	5	Pole	9	34	American Elm	ı L	_OW	10 - 20 feet	10 - 20 feet	Good aspen pole stand, with high quality to the aspen poles. Pockets			
	Red Maple	3	Pole	7	34	Balsam Fir	Н	ligh	Variable	Variable	exist in wet areas where the aspen did not regenerate well, resulting in			
	Yellow Birch	1	Pole/Sapling	7	34	Aspen (spp.)	L	_OW	10 - 20 feet	10 - 20 feet	less than 100% canopy closure. High amount of kill from spruce budworm in stand.			
	Quaking Aspen	78	Pole	8	34	Sugar Maple	L	LOW WO	10 - 20 feet	10 - 20 feet	budwom m stand.			
	Balsam Poplar	2	Pole/Sapling	7	34	Red Maple	L	.ow	10 - 20 feet	10 - 20 feet				
	Balsam Fir	8	Pole	8	34	Black Cherry	L	_OW	10 - 20 feet	10 - 20 feet				
	White Spruce	1	Pole	7	34	Hazelnut (Spp	.) L	.ow	5 - 10 feet	5 - 10 feet				
	Black Ash	1	Pole	6	<u> </u>		'	'			•			

330 - Low-Density Trees

Black Cherry

26.0

34

7

None

Pole

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Medium	10 - 20 feet	10 - 20 feet
Black Cherry	Low	Variable	Variable
Mixed Grasses	High	Not Applicable	Not Applicable
Quaking Aspen	Low	>20 feet	>20 feet
Balsam Fir	Low	Variable	Variable
Blackberry/Raspberry	High	5 - 10 feet	5 - 10 feet
Sugar Maple	Trace	>20 feet	>20 feet
Bracken Fern	High	Not Applicable	Not Applicable
White Spruce	Low	Variable	Variable

No

SF 2025: Stand expanded to include portions of stands 31 and 32 which were poorly regenerating. Mostly grass, forbs, and Rubus spp. with some tag alder, aspen, balsam poplar, spruce, and fir.Stand is being maintained as a natural opening. Stand was last treated in 1982 with Tordon. If stand 31, 32 and 28 are treated, may wish to remove some of the fir/spruce adjoining those areas as well.

HEINTZELMANC

Report 7 - Stands



Stand	d Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
35	4130 -	- Aspen	5	Sapling	Well	37.6	13 I	mmature	N/A	A	Stand harvested as "Swampbuck Aspen" #006-07 - cut November-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	December, 2011. Trace residual spruce, cedar, maple. Retention along the south compartment border.SF 2025: Narrow band of
	American Elm	1	Pole	8		Blad	ck Cherry	Medium	5 - 10 feet	5 - 10 feet	cedar poles crosses the road in middle of stand. Young aspen stand
	Red Maple	3	Pole/Sapling	6			d Maple	Low	< 5 feet	< 5 feet	regenerating well. Pockets of tag alder in the lowest areas of the stand. Residual spruce, fir, and maple within stand.
	Quaking Aspen	70	Sapling	2	13	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	Stand. Nesidual Spruce, III, and maple within stand.
	Balsam Poplar	19	Sapling	2	13	Wild Re	ed Raspberry	Medium	< 5 feet	< 5 feet	
	Balsam Fir	5	Sapling	2							
No	orthern White Cedar	1	Pole	8							
	Black Ash	1	Sapling	3							
36	6220 - Al	der/Willow	1	Nor	ne	5.0			No	0	Contains Mud Creek
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						BI	ack Ash	Medium	>20 feet	>20 feet	
						Ta	ag Alder	Full	5 - 10 feet	5 - 10 feet	
						Wi	llow spp.	High	5 - 10 feet	5 - 10 feet	
						Blad	k Spruce	Medium	>20 feet	>20 feet	
37	413 -	Aspen		Unspe	cifed	5.8	5 I	mmature			Cut around 2020.Stand was last treated with Tordon in 1982; now being maintained as a natural opening and treated commercially as
						Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent stands are prescribed. Trillium, strawberry also noted.SF
							sswood	Low	>20 feet	>20 feet	2025: Parts of opening are regenerating to aspen and balm. Over 50%
							lsam Fir	Low	Variable	Variable	of stand area regenerating to aspen with full stocking. Rubus and forbs in between larger patches of regenerating aspen. In the future
							am Poplar	Medium	10 - 20 feet	10 - 20 feet	should be managed as forested stand.
							ck Cherry	Low	5 - 10 feet	5 - 10 feet	-
							ing Aspen	Medium	10 - 20 feet	10 - 20 feet	
							onwood	Low	5 - 10 feet	5 - 10 feet	
						Whi	te Spruce	Low	Variable	Variable	
38	4110 - Sugar M	laple Asso	ciation Saw	rtimber	Mediur	m 14.7	100	51-80	N/A	A	Permit #006-97-01 "Mud Creek Sale" (unit 1). Cut Feb, 1998. Trace
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	amount of black cherry, yellow birch present. Some areas of stand more to poles. High quality site - ground cover of trillium, blue
	Sugar Maple	90	Log/Pole/XLog	10	100	Blad	ck Cherry	Low	10 - 20 feet	10 - 20 feet	cohosh.SF 2025: Cut in 2023 under "Land Down Under Sale" 32-
	Yellow Birch	1	Pole	5		Lea	therwood	Medium	< 5 feet	< 5 feet	002-21 (1) by Elisha Brown. Ok sawtimber quality log stand. Deer
	Basswood	8	Log/Pole/XLog	14		Ва	lsam Fir	Trace	Variable	Variable	browse noted on maple seedlings. Ironwood and Rubus spp. impacting regeneration in the gaps.
	Paper Birch	1	Log/Pole	10		Iro	onwood	High	>20 feet	>20 feet	ampaosing regeneration in the gaps.
				1		Sug	ar Maple	Medium	< 5 feet	< 5 feet	
						Sug		Low	10 - 20 feet	10 - 20 feet	T. Control of the con



tand Level 4	Cover Type	S	ize De	ensity	Acres	Stand Age BA	A Range	Managed S	ite	General Comments
6123	Lowland Fir	Sa	Sapling Medium		10.1	33	1-50	N/A		"Mud Creek" sale #036-88 (unit 3,5) - cut Feb, 1991 and Feb, 1992.
Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	Some sparse and wet areas, but overall well-stocked.SF 2025: Stand of fir and spruce with white birch and aspen within. Heavy
Red Maple	2	Sapling	3		White	e Spruce	Medium	5 - 10 feet	5 - 10 feet	beaver damage in the stand along Sawmill Creek greatly reduced th
Paper Birch	15	Sapling/Pole	4	33	Black	Spruce	Medium	5 - 10 feet	5 - 10 feet	number of aspen stems, estimated to have occurred about 15 years
Quaking Aspen	10	Pole/Sapling	5	33	Д	Alder	Medium	5 - 10 feet	5 - 10 feet	ago. Trees are behind the larger aspen stand to the east both in sized density, and quality.
Balsam Poplar	3	Sapling	3	33						a donoity, and quality.
Balsam Fir	50	Sapling/Pole	4	33						
Black Spruce	15	Sapling	3							
Tamarack 4139 - Aspe	5 Mixed Dec	Pole/Sapling	5 oletimb	er Well	10.3	26 1	11-140	N/A		"Mud Creek Sale" #006-97-01 (unit 2) cut fall 1998. In 2005 aspe
4139 - Aspe	n, Mixed Dec	iduous Po	oletimb	er Well	10.3 Sub-Can		11-140 Density	N/A		was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm,
	n, Mixed Dec	iduous Po	oletimb	per Well Age 26	Sub-Can	26 1 copy Species e Spruce	11-140 Density Trace	N/A Avg. Height 10 - 20 feet	Size 10 - 20 feet	
4139 - Asper	n, Mixed Dec	iduous Po	oletimb DBF	l Age	Sub-Can White	opy Species	Density	Avg. Height	Size	was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen.
4139 - Asper Canopy Species Red Maple	n, Mixed Dec	iduous Po	DBH 6	Age 26	Sub-Can White Mapl	opy Species e Spruce	Density Trace	Avg. Height 10 - 20 feet	Size 10 - 20 feet	was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen.
4139 - Asper Canopy Species Red Maple Yellow Birch	n, Mixed Dec **Cover 5 1	iduous Po Size Class Pole/Sapling Pole/Sapling	DBH 6 6	Age 26	Sub-Can White Mapl	opy Species e Spruce le (spp.)	Density Trace Low	Avg. Height 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen.
Canopy Species Red Maple Yellow Birch Basswood	, Mixed Dec Cover 5 1	iduous Po Size Class Pole/Sapling Pole/Sapling Pole	DBH 6 6 6	26 26	Sub-Can White Mapl	opy Species e Spruce le (spp.)	Density Trace Low	Avg. Height 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen.
Canopy Species Red Maple Yellow Birch Basswood Quaking Aspen	% Cover 5 1 4 50	iduous Po Size Class Pole/Sapling Pole/Sapling Pole Pole	DBH 6 6 6 8	26 26 26	Sub-Can White Mapl	opy Species e Spruce le (spp.)	Density Trace Low	Avg. Height 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	was 1-2 " dbh, 10-20 ft tall. Some sparse areas. Trace elm, cedar.SF 2025: Well stocked aspen stand. Good quality aspen.
Canopy Species Red Maple Yellow Birch Basswood Quaking Aspen Balsam Poplar	5 1 4 50 34 2	iduous Po Size Class Pole/Sapling Pole/Sapling Pole Pole	DBH 6 6 6 8 6	26 26 26	Sub-Can White Mapl	opy Species e Spruce le (spp.)	Density Trace Low	Avg. Height 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet	cedar.SF 2025: Well stocked aspen stand. Good quality aspen.