

Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72283 Entry Year 2026 Acreage: 970

County Crawford

Management Area: High Sand Plains

Stand Examiner: Joan Charlebois

Legal Description:

T26N R1W Sections 2 & 3 T27N R1W Section 35

Identified Planning Goals:

To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management. Conner's Marsh Flooding Master Plan concepts will be incorporated, where appropriate, along with the compartment-wide goals of enhancing wildlife habitat and providing for hunting and wildlife viewing opportunities.

Soil and topography:

The compartment is characterized by flat to gently-rolling terrain on primarily Croswell and Grayling sands, with steep sideslopes dropping down to the AuSable River valley. The compartment's interior has large contiguous blocks of swamp on mostly Tawas-Leafriver mucks.

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

The compartment consists of fairly solid State ownership that borders several private parcels. A small stand lies south of the AuSable River and is isolated from the rest of the compartment. Section 3 contains some lands acquired with Pittman-Robertson funds. Section 2 contains the South Branch Township transfer station; ownership of that one-acre parcel was conveyed to the township in 2002.

Unique Natural Features:

There is the potential for rare plants and animals to be associated with the compartment's swamps, riparian corridors and upland pine barrens types.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The northwest quarter of Section 3 lies within the Conner's Marsh Flooding State Wildlife Management Area (SWMA) which is also designated as a Special Conservation Area (SCA). The primary goal of the SWMA is the restoration and management of wild birds and mammals and provision for the public use of those wildlife resources. The AuSable River corridor is a High Conservation Value Area (HCVA).

Watershed and Fisheries Considerations:

The Conner's Marsh Flooding - maintained by a water control structure built in 1955 - is drained by the Conners Marsh Creek. The creek empties into the AuSable, a designated Natural River and high priority cold water trout stream. The compartment fronts a short segment of the AuSable River.

Wildlife Habitat Considerations:

Conner's Marsh Flooding Master Plan concepts include: considering longer rotations for coniferous forest types that border the impoundment, snag retention or creation, clear-cutting aspen, oak and jack pine to maintain a mix of forest types, applying prescribed fire to simulate historic occurrences, and maintaining the current level of public access while discouraging new trail roads (see Master Plan in blue folder). Waterfowl, Eagles, Osprey and various fur-bearing mammals use the marsh and associated beaver ponds. Snowshoe hare specifications should be maximized in aspen stands that are scheduled for harvest. Winter deer cuts, initiated through Forest Treatment Proposals, can be made in and along the swamp conifer types that constitute major deer yards.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. No known active sand/gravel operations exist in the area. Much of the compartment consists of low wetlands, which would inhibit surface mining. There may be some potential for sand and gravel development within the compartment in the south half of Sec 2; there is some evidence that past sand & gravel extraction has already occurred here. The compartment is just south of the Conners Marsh deep gas field. It is unlikely that the field will expand into the compartment. No recent well permits have

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been issued in the area, no current leasing activity involving State-owned minerals exists within the compartment (except for the sliver in Sec 33), and potential for hydrocarbons beneath the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

County roads include Conner's Flat Road and McMasters Bridge Road. Conner's Marsh Trail, Ermine Trail, and Nuremberg Road have road name signage, but they are not certified county roads. Conner's Marsh Trail is a state forest trail road. Ermine Trail and Nuremberg Road fall partially on private lands and partially on state. Trail roads on State land south of Conner's Flat Road provide the only access for many seasonal cottages and residences along the AuSable River.

Survey Needs:

Additional work is needed to determine if corners located in the NWSWSW of section 3 accurately delineate the state land as described in the deed. The current compartment boundary for that area was delineated based on the parcel's deed description.

Recreational Facilities and Opportunities:

The Rainbow Bend State Forest Campground and associated canoe-in access site borders the AuSable River. Over two and a half miles of the Midland to Mackinac Hiking Pathway runs through the compartment. Dispersed recreation in the form of hunting, trapping, fishing, canoeing and wildlife viewing is common throughout the compartment but is concentrated around the Conner's Marsh Flooding and the AuSable River.

Fire Protection:

The compartment's jack pine stands are small- to moderate-sized, with good access. The adjacent compartment to the north does contain a Kirtland's Warbler management area. Access is limited in the compartment's interior, but the predominant cover type there is swamp. Access to stands west of the Conners Marsh Creek will be restricted by the creek and a swamp, but the isolated stands do not pose particular fire hazards.

Additional Compartment Information:

The following reports from the Inventory are attached:

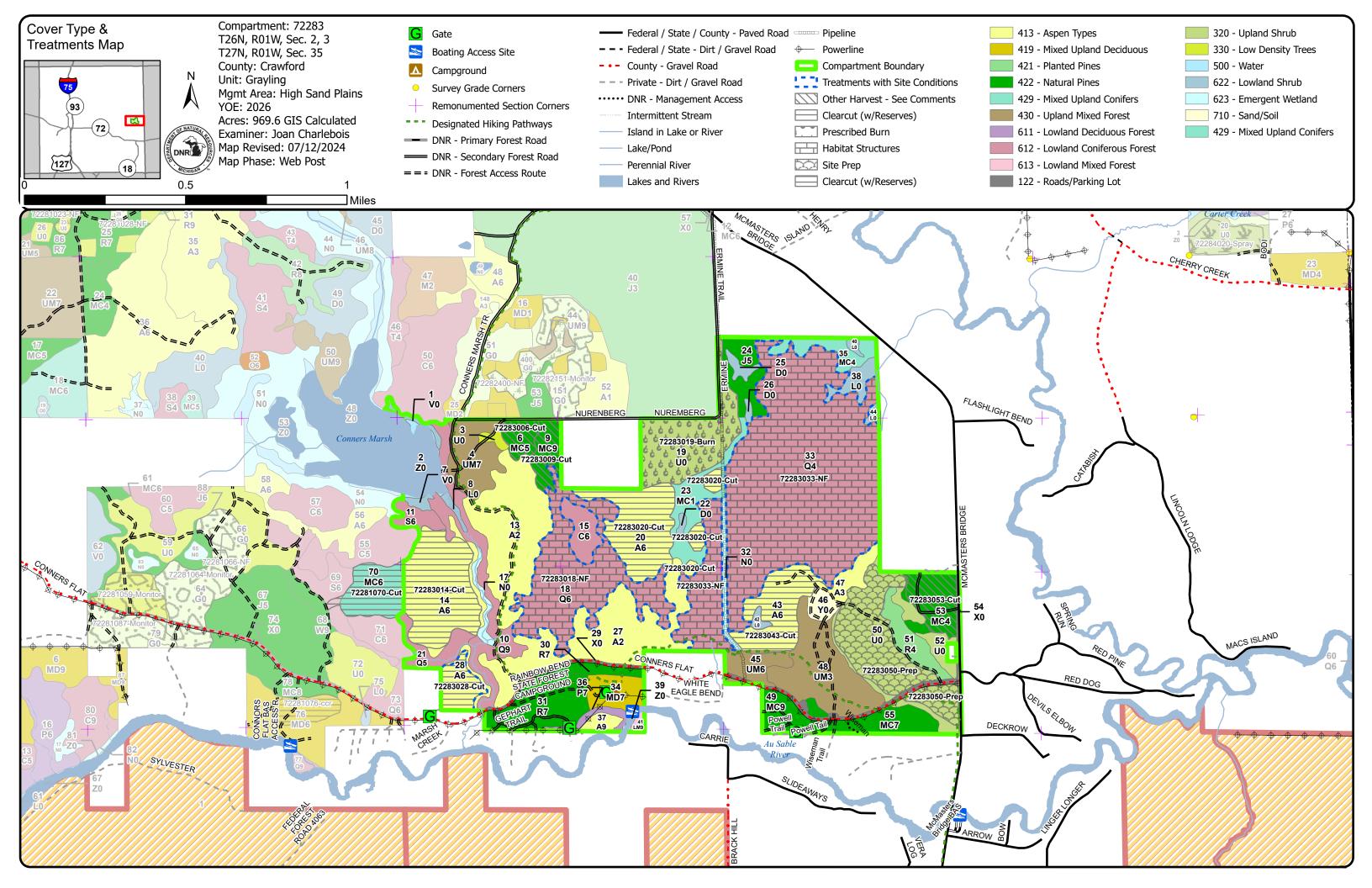
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

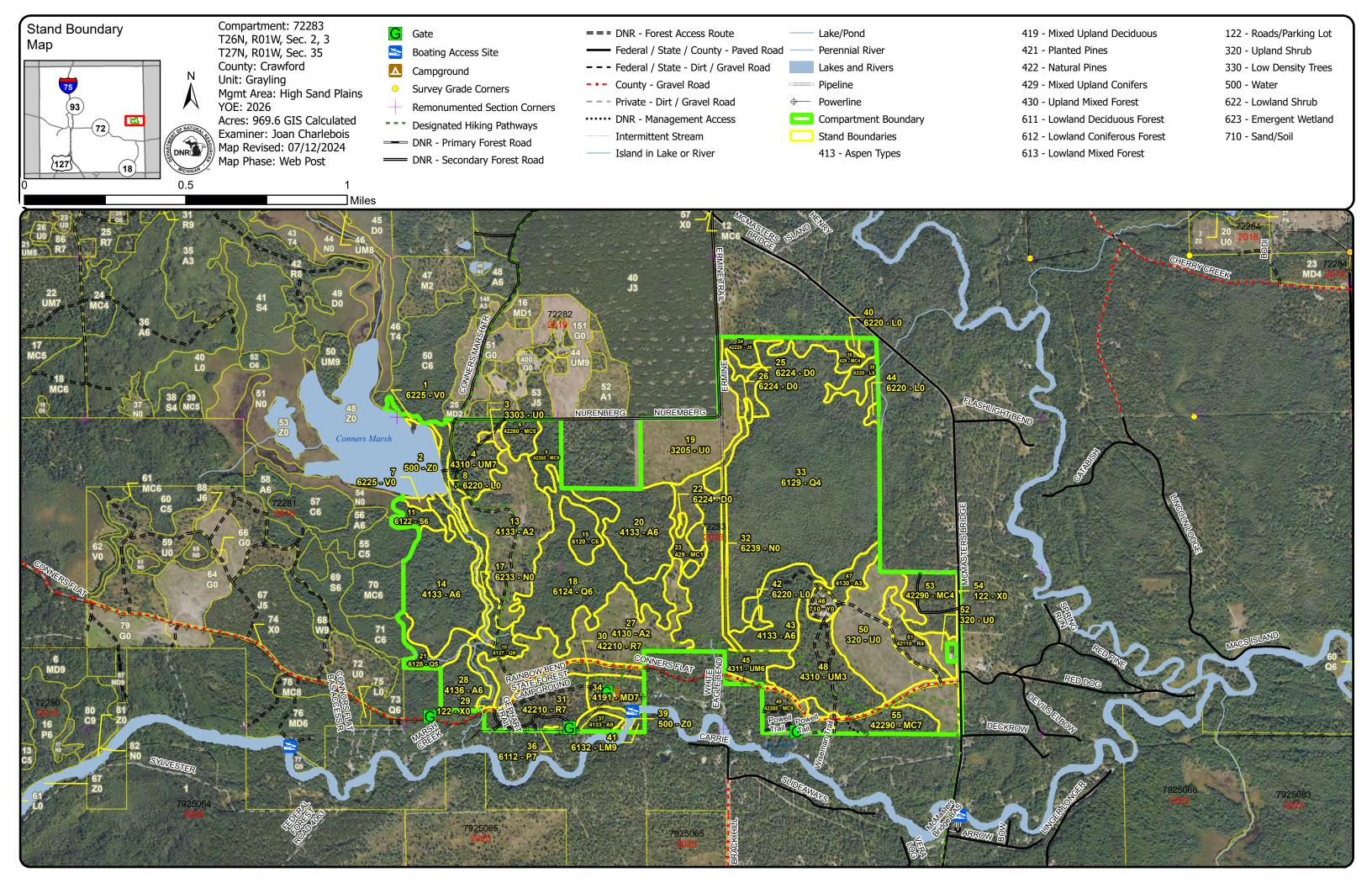
The following information is displayed, where pertinent, on the attached compartment maps:

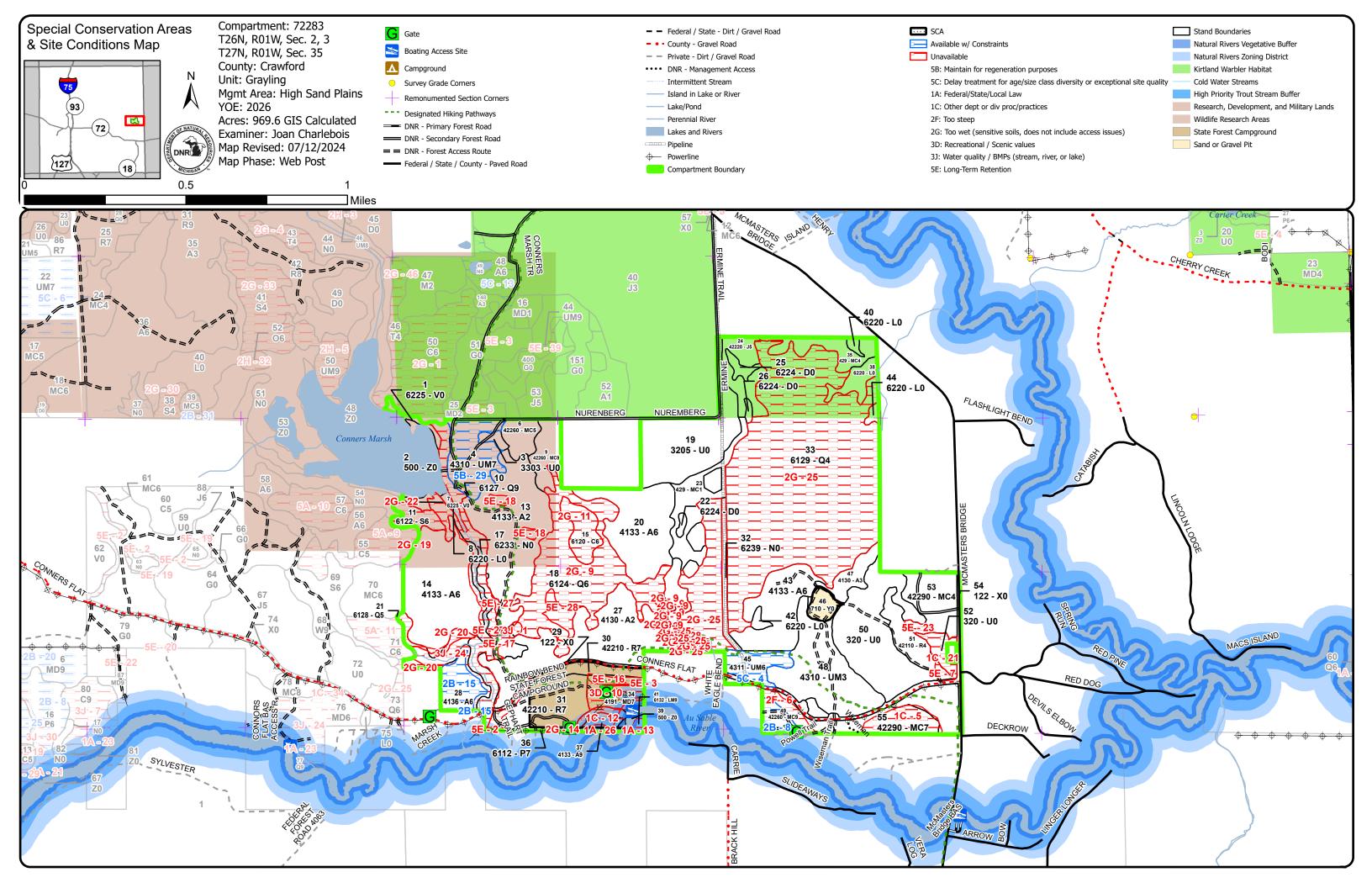
Base feature information, stand boundaries, cover types, and numbers Proposed treatments

Proposed treatments
Site condition boundaries

Details on the road access system







Grayling Mgt. Unit

Compartment 283 Year of Entry 2026

Joan Charlebois: Examiner



Age Class

	,	/ _{* /}	/ ,	/ /	/ /	/ ,	/ /	/	/ ,	/ /	/ /	/	/ /	/ /	/ /	/ ,	/ ,	/ /	/ & /	
		KOR C	8 /		તર / ત	₃ ∕ §	& / 4	3 /	& /	r /	æ / &		& / 's	& /	& /	& /	P	. / .	A A A A A A A A A A A A A A A A A A A	/
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A	0	108	8	0	0	26	103	<u> </u>	0	<u> </u>	0	0	0	<u>/</u>	0		0	0		/
Aspen			-						_	_ ĭ		_ ·		, i		0		Ľ,	245	
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10	
Jack Pine	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	9	64	27	0	213	0	0	0	313	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Lowland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	11	
Natural Mixed Pines	0	0	0	0	0	0	0	51	10	0	0	0	0	0	0	0	0	0	61	
Red Pine	0	0	0	11	0	0	0	32	0	0	0	0	0	0	0	0	0	0	42	
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Upland Conifers	0	0	17	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	28	
Upland Mixed Forest	0	0	37	0	0	0	0	11	0	0	0	21	0	0	0	0	0	0	69	
Upland Shrub	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	
Water	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
Total	166	108	62	11	13	26	118	94	10	0	9	102	27	10	214	0	0	0	969	



Report 2 – Treatment Summary

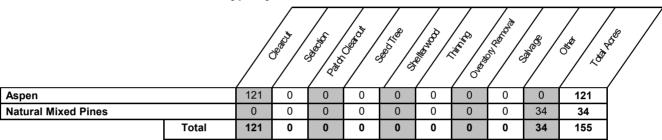
Grayling Mgt. Unit Year of Entry: 2026

Acres of Harvest

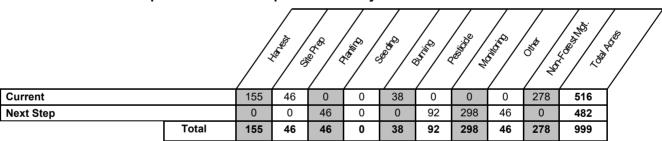
Compartment 283
Total Compartment Acres: 970

Commercial Harvest - 144
Harvests with Site Condition - 11
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Grayling Mgt. Unit Report 3 -- Treatments S t

Size

Density

Stand

Age

Compartment: 283 Year of Entry: 2026

Age

Structure

Cover Type

Objective



Cut

Proposed Treatments:

Treatment

Name

а

n

d

70 72281070-Cut 18.5 429 - Mixed Upland Poletimber 51-80 Harvest Clearcut with 4136 - Aspen, No Even-Aged Conifers Well Retention Mixed Conifer

Treatment

Type

Treatment

Method

BA

Range

Prescription Final harvest. Protect the RP-WP legacy trees and island retention. Apply drumming log spec. Set up concurrent with comp 283 stand 14

and develop access from the west across lowland spruce stand 69. Specs:

Stand

CoverType

Monitoring, Natural Regen (Re-Inventory) Next Step

Acres

Treatments:

Acceptable Moderate stocking in aspen, mixed conifers, and upland shrub inclusions.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

72283006-Cut 7.3 42260 - Natural Poletimber 63 1-50 Harvest Other - Specify 330 - Low-No Pine, Mixed Medium **Density Trees**

Deciduous

Prescription Salvage the JP & aspen

Specs:

Next Step

Treatments:

Acceptable Low-density tree residual RP-WP-NPO tree cover with sparse regen and upland shrub cover.

Conners Marsh Flooding SWMA Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

72283009-Cut 42260 - Natural Sawtimber 75 141-Harvest Other - Specify 42290 - Natural No 10.4 Two-Aged Pine, Mixed Well 170 Mixed Pine

Deciduous

Prescription Harvest the aspen & RM. Exclude the lowest ground in the S1/2. Reducing the treatment area by more than 25% is acceptable in order to

Specs: exclude that ground.

Next Step

Treatments:

Acceptable Re-start the aspen component within this natural mixed pine stand. Poorer stocking is expected where the RP-WP residual is concentrated.

Regen:

Other Conners Marsh Flooding SWMA

Comment:

Site Condition

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate stocking in aspen with a conifer component and upland shrub cover.

<u>Regen:</u>

Other Comment:

Site Condition

50 72283050- 46.2 320 - Upland Shrub Nonstocked 0 Unspec SitePrep Trenching 4211 - Planted Even-Aged No Red Pine

Prescription Trench the level portion of the stand except for the NE peninsula by the gravel pit.

Specs:

Next Step Pesticide, Aerial - Release; Other, Pre-Commercial Thinning - Hand; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring,

Treatments: Artificial Regen(1yr); Monitoring, Herbicide Use; Monitoring, Artificial Regen(3yr)

Acceptable Full stocking in planted RP.

Regen:
Other
Comment:

Site Condition

S t		Grayling	ŋ Mgt. Unit		Repo	rt 3 '	Treatments		Compartmer Year of Entr		OF NATURAL DESCRIPTION
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
53	72283053-Cut	15.9	42290 - Natural Mixed Pine	Poletimbe Poor	er 61	1-50	Harvest	Other - Specify	3303 - Mixed Low Density Trees		No
Preso Spec								on between stand 52 e the proposed excl		ld shrub prot	ection spec
	Step ments:										
Acce Rege	<u>ptable</u> Pine ba en:	rrens									
Other Com	<u>r</u> ment:										
Site (<u>Condition</u>										

Total Treatment 534.8 Acreage Proposed:

Compartment: 283

Grayling Mgt. Unit

Joan Charlebois : Examiner Year of Entry: 2026

Availa	ability for	Managemer	nt											
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Cond	ditions	8					
Acres	Available	With Condition	Not Available		2B	5B	5C	1A	1C	2F	2G	3D	3J	5E
245	223	11	12	Aspen	11			1	2		0		5	2
4	4	0	0	Bog										
10	0	0	10	Cedar							10			
13	13	0	0	Jack Pine										
2	2	0	0	Low-Density Trees										
4	0	0	4	Lowland Aspen/Balsam Poplar				1	0		3			
313	2	0	311	Lowland Conifers							272		27	12
1	0	0	1	Lowland Mixed Forest				1						
11	11	0	0	Lowland Shrub										
6	0	0	6	Lowland Spruce/Fir							6			
9	5	0	4	Marsh									4	
11	0	0	11	Mixed Upland Deciduous				1			0	7		3
62	41	6	15	Natural Mixed Pines	6				10	4				1
43	38	0	5	Red Pine					0		0		1	4
5	5	0	0	Sand, Soil										
4	4	0	0	Treed Bog										
28	28	0	0	Upland Conifers										
69	38	31	0	Upland Mixed Forest		21	10							
97	92	0	5	Upland Shrub					5					0
14	12	1	0	Urban			1		0	0			0	0
17	17	0	0	Water				0					0	
970	538	48	384	Total Forested Acres	16	21	11	5	17	4	291	7	37	23
	55%	5%	40%	Relative Percent			·				·			_

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

1 Unavailable 3J: Water quality / BMPs 1 2G: Too wet (sensitive Unspecified Unspecified Unspecified Unspecified Unspecified Soils, does not include access issues)								

Report 4 – Site Conditions

Grayling Mgt. Unit

Joan Charlebois: Examiner

2	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand 30's retentio	n: the Conners Marsh Creek RI	MZ, WP	branch flagging study plots	, and narrow strip along tl	ne county road and drivew	ays.
}	Unavailable	5E: Long-Term Retention	0	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Designated retention	on for stand 30's harvest, exclud	ling the	steep hillside down to the A	uSable River Valley.		
•	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Delay treatment un	itil the aspen component reache	s its rot	ation age			
5	Unavailable	1C: Other dept or div proc/practices	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: see locked comme	ents					
;	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Steep hillside down	n to the AuSable River Valley.					
,	Unavailable	5E: Long-Term Retention	1	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
	Comments: Designated retention	on for stand 50's harvest. See k	ocked c	omments			
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
		the stand is bounded by a steep o private before crossing back o			o the W & S. The road bo	etween this block and Con	ners Flat Road appear

Report 4 – Site Conditions

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9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
		r transition ground edge and sn SE corners of the stand.	nall PAi	·VCo islands, this stand has s	aturated soils and active	groundwater. Ephemeral	drainages converge &
10	Unavailable	3D: Recreational / Scenic values	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Rainbow Bend Stat	e Forest Campground					
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
	Comments: Cedar on saturated type conversion co	l ground. Ephemeral drain flow ncerns.	s out of	the south end. Commercial	harvest is not recommer	ded within this stand due	to low ground and cover
12	Unavailable	1C: Other dept or div proc/practices	2	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
	Comments: All but an acre of th	is stand lies within 300' of the r	iver. A	spen management within 300	feet of high priority cold	water trout streams is typi	cally discouraged.
13	Unavailable	1A: Federal/State/Local Law	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 150 foot Natural Ri	vers restricted cutting zone (exc	cept a c	uarter acre in the SE). Acces	ss blocked by river and p	rivate property.	
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Flooded marsh swa	ale with lowland aspen. Diffuse	drainag	e to the east empties into the	AuSable River.		

Report 4 - Site Conditions

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15 Unspecified Unspecified Unspecified Unspecified **Available** 2B: Unknown if access 11 through adjacent landowner(s) is possible Comments: If permission could be obtained to cross private property, the best access would be from the south. Installing a temporary bridge to cross the Conners Marsh Creek is not recommended due to the steepness of the stream valley. 16 Unavailable 5E: Long-Term Retention 3 2F: Too steep Unspecified Unspecified Unspecified Comments: Designated retention for stand 30's harvest, excluding the steep hillside down to the AuSable River Valley. 17 Unavailable 5E: Long-Term Retention 3J: Water quality / BMPs Unspecified Unspecified Unspecified (stream, river, or lake) Comments: Island retention for stand 27's harvest. Part of it is also within the 100-foot RMZ of a stream. Unspecified 18 2 Unspecified Unspecified Unspecified Unavailable 5E: Long-Term Retention Comments: Designated retention left for stand 13's harvest #032-19. 19 3J: Water quality / BMPs Unspecified Unspecified Unspecified Unavailable 2G: Too wet (sensitive 0 soils, does not include (stream, river, or lake) access issues) Comments: Operable transition ground portions of this stand were cut in 1972 (second age); the ground that was too wet was excluded (first age, which triggered the Silv. Criteria flag). Two ephemeral drains cut through the stand and out to the Flooding. 20 Unavailable 2G: Too wet (sensitive 5 Unspecified Unspecified Unspecified Unspecified soils, does not include access issues) Comments: Aside from the transition ground edge and a PArVCo island, the ground is very wet. Active ground water, with ephemeral drains trickling into the permanent stream.

Report 4 – Site Conditions

Grayling Mgt. Unit

Joan Charlebois: Examiner

21	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
		ground portions of this stand w ephemeral drains cut through th			ground that was too wet w	as excluded (first age, whic	ch triggered the Silv.
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Proposed retention	for stand 53.					
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	36	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: Conners Marsh Flo	ooding, Creek and tributary RMZ	s and a	associated low ground. The	e 100-foot RMZ incorporate	es upland ground also.	
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	211	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Aside from the drie	r transition ground edge and PA	ArVCo i	slands, this stand has satu	rated soils and is seasonal	y flooded.	
26	Unavailable	1A: Federal/State/Local Law	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 150 foot Natural Ri	vers restricted cutting zone.					

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27	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
_	Comments: Retention left to exc	clude the Conners Marsh Creek	and tr	ibutary RMZs.			
28	Unavailable	5E: Long-Term Retention	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Designated retention	on for stand 27's harvest, exclud	ding we	tlands and areas cut off by ep	nemeral drainages.		
29	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
_	Comments: eave the mature o	ak-pine cover for continued see	ed sour	ce.			

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Mgt. Unit

Compartment: #Type! Year of Entry:

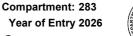


Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* 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				

Grayling Mgt. Unit Compartm





Report 6 - EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condition stocked trout populations and those of other coldwater fish speci conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	es to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and coop U.S. Fish and Wildlife service for the recovery of threatened and 365, Endangered Species Protection, of the Natural Resources at PA 451, and the Federal Endangered Species Act of 1973. This species plans in various stages of review. As of now only two ex Plover Habitat.	endangered species, as governed by Part and Environmental Protection Act, 1994 is an active program, with proposed
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10	Zoning District is a 400 foot buffer for

1	Stand	Level 4 C	over Type	s	ize De	nsity	Acres Stand	Age B	A Range	Managed S	Site	General Comments
3 3303 - Mixed Low Density Trees Nonstocked 2.0 Unspecified No Opening with big & little bluestem, patches of BC and scattered NPO, JP & WP Canopy Species (Care Size Class WP) 4 4310 - Pine, Oak Mix Sawdimber Poor 20.8 109 1-50 N/A Opening with big & little bluestem, patches of BC and scattered NPO, JP & WP Canopy Species (Care Size Class WP) 5 2	1	6225	5 - Bog	I	Vonsto	ocked	2.4	U	nspecified	No		
4 4310 - Pine, Oak Milx Sawtimber Poor 20.8 109 1-50 NA Canopy Species % Cover Size Class DBH Age With Pine 20 Log/Pole 12 Red Pine Trace Variable Salping Medium Variable Salping Black Cherry Medium Variable Salping Red Pine 1 Trace Variable Salping Black Cherry Medium Variable Salping Red Pine 2 Pole Salping 6 With Pine Low Wariable Salping Black Cherry Medium Variable Salping Red Pine 1 Trace Variable Salping Red Pine 2 Pole Salping 6 With Pine Low Wariable Salping Black Cherry Medium Variable Salping Red Pine 2 Pole Salping 1 Trace Variable Salping Black Cherry Medium Variable Salping Black Cherry Medium Variable Salping Black Cherry Salping Salping Black Cherry Low Variable Salping Red Pine 15 MLogLogPole 20 Black Cherry Low Variable Salping Red Pine 43 PoleLog 9 53 Northern Pin Oak Salping Black Cherry Low Variable Salping Red Pine 43 PoleLog 9 15 Salping Red Pine 43 PoleLog 9 15 Salping Red Pine 45 Log/PoleXog 9 15 Salping Red Pine 45 Log/Rog/Pole 16 7 5 Salping Red Pine 45 Log/Rog/Pole 16 7 5 Salping Red Pine 4	2	500 -	- Water	ı	Vonsto	ocked	16.1	U	nspecified	No		
Canopy Species	3	3303 - Mixed L	ow Density	/ Trees	Vonsto	cked	2.0	U	nspecified	No		
United Prine 20 Log/Pole 12 Red Prine Trace Water State Class District Principle (State Class) Dist	4	4310 - Pi	ne, Oak M	ix Sa	wtimb	er Poor	20.8 109		1-50	N/A		Overmature oak stand was seed tree harvested in 2007 (#021-06),
White Pine 20 Log/Pole 12 Pole 8 Black Cherry Medium Variable Sapling breaking up NPO saw, RP-WF of all size classes, and scattered pole 9P. Black Spruce 2 Pole 8 Black Cherry Medium Variable Sapling Red Maple 2 Pole/Sapling 6 White Pine Low Variable Sapling Black Cherry 5 Pole 7 Northern Pin Oak 40 XLog/Log 20 109 Balsam Fir 2 Pole/Log/Sap 7 Red Pine 25 Log/Pole/XLog 15 75 White Pine 2 Pole/Log/Sap 7 Northern Pin Oak Mapper		Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size	
Black Spruce 2 Pole 8 Jack Pine 4 Pole 8 Jack Pine Trace Variable Sapling Red Maple 2 Pole/Sapling 6 Jack Pine Trace Variable Sapling Black Cherry 5 Pole 7 Variable Sapling Black Cherry 5 Variable Sapling Black Cherry 5 Variable Sapling Black Cherry 5 Variable Sapling Sapl									Trace		Sapling	
Jack Pine 4 Pole 8 Jack Pine 7 Variable Sapling Black Cherry 5 Pole 7 Northern Pin Oak 40 XLog/Log 2 10 109 Balsam Fir 2 Pole/Log 8 7 Red Pine 25 Log/Pole/XLog 15 75 6 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 7.3 63 1-50 N/A Sub-Canopy Species 9 Pole/Log 8 50 Northern Pin Oak 2 10 Log/Pole/XLog 10 10 Northern Pin Oak 2 2 Pole/Log/Sap 7 Red Pine 15 XLog/Log/Pole 2 0 Log/Pole/XLog 11 50 Red Pine 15 XLog/Log/Pole 2 0 Log/Pole/XLog 11 50 Red Pine 15 XLog/Log/Pole 2 0 Log/Pole/XLog 11 50 Red Pine 15 XLog/Log/Pole 2 0 Log/Pole/XLog 11 50 Red Pine 15 XLog/Log/Pole 2 0 Log/Pole/XLog 11 50 Red Pine 16 X 2 Else Specified Fine Pin Oak 2 1 Log/Pole/XLog 11 50 Red Pine 16 X 2 Log/Pole/XLog 11 50 Red Pine 17 X 2 Sapling Sub-Roy Red Pine 17 X 2 Sapling Red Pine 17 X 2 Sapling Sub-Roy Red Pine 18 X 2 Sapling Sub		Black Spruce	2				Black Cherry	/	Medium	Variable		RM, fir, spruce & traces of aspen. BC is present in the canopy, some of
Red Maple 2 Pole/Sapling 6 White Pine Low Variable Sapling Black Cherry 5 Pole 7 Northern Pin Oak 40 XLog/Log 20 109		· · · · · · · · · · · · · · · · · · ·	4					<u>/</u>				
Black Cherry 5 Pole 7 Northern Pin Oak 40 XLog/Log 20 109 Balsam Fir 2 Pole/Log/Sap 7 Red Pine 25 Log/Pole/XLog 15 75 6 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 7.3 63 1-50 N/A Canopy Species % Cover Size Class DBH Age Quaking Aspen 2 Pole/Log/Sap 7 Red Pine 15 XLog/Log/Pole 20 Black Cherry Low Variable Saping Red Pine 15 XLog/Log/Pole 20 Black Cherry Low Variable Saping Age Northern Pin Oak 25 Log/Pole/XLog 11 50 Northern Pin Oak 25 Log/Pole/XLog 12 15 75 Northern Pin Oak 25 Log/Pole/XLog 17 15 75 Northern Pin Oak 25 Log/XLog/Pole 16 75 Black Cherry Low 25 -10 (Feet Tall Shrub) Northern Pin Oak 25 Pole/Log/Sap 7 50 Northern				Pole/Sapling	_				Low			
Northern Pin Oak 40 XLog/Log 20 109 Balsam Fir 2 Pole/Log/Sap 7 To Pole/Log/Sap 1 To Pole/Log/Sap 7 To		•					Northern Pin C)ak			-	
Balsam Fir 2 Pole/Log/Sap 7 Red Pine 25 Log/Pole/XLog 15 75 6 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 7.3 63 1-50 N/A Canopy Species X Cover Size Class DBH Age Quaking Aspen 2 Pole/Log/Sap 1 2 Red Pine 10 Log/Pole/XLog 12 Red Pine 15 XLog/Log/Pole 20 Black Cherry Low Variable Sapling S	N				20	109					1 3	
Red Pine 25 Log/Pole/XLog 15 75 6 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 7.3 63 1-50 N/A Was partially harvested in 1974 (#12-74), cutting most of the merch JP, aspen 8. oak. The resulting stand is a mix residual & regen from the Aspen 8. Oak. The resulting stand is a mix residual & regen from the White Pine 10 Log/Pole/XLog 12 White Pine 15 XLog/Log/Pole 20 Black Cherry 15 Pole/Log/Sap 7 Jack Pine 43 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 7 6225 - Bog Nonstocked 1.8 Unspecified No Bog Ordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Bog Ordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species Write Pine As Log/XLog/Pole 8 50 White Pine Low Variable Sapling Spiraea, and colonizing WP. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species Pole/Log/Sap 7 Tag Alder Trace 5 - 10 feet Tall Shrut White Pine 20 Pole/Log/Sap 7 50 Black Cherry Low Variable Sapling Sub-Canopy Species Density White Pine 20 Pole/Log/Rlog 9 17 50 Black Cherry Low Variable Sapling Quaking Aspen 23 Pole 8 50 White Pine Low Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Nor												
6 42260 - Natural Pine, Mixed Deciduous Poleimber Medium 7.3 63 1-50 N/A Canopy Species % Cover Size Class DBH Age Quaking Aspen 2 Polei*Log 12					15	75						Middana to Madrinad mining patriway.
Quaking Aspen 2 Pole/Log 8 50 White Pine 10 Log/Pole/XLog 12 Red Pine 15 XLog/Log/Pole 20 Black Cherry 5 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 Sub-Canopy Species Red Pine 45 Log/XLog/Pole 16 6 75 Black Cherry Low 5 - 10 feet Tall Shrul Pine Pin Oak 2 Pole/Log/XLog 9 1 Slack Cherry Species Pine 45 Log/XLog/Pole 16 6 75 Black Cherry Low 5 - 10 feet Tall Shrul Pine Ag Pole/Log/XLog 9 1 Slack Cherry Red Pine 45 Log/XLog/Pole 16 6 75 Black Cherry Low 5 - 10 feet Tall Shrul Pine Pin Oak 2 Pole/Log/XLog 9 5 Species Pine 45 Log/XLog/Pole 16 6 75 Black Cherry Low 5 - 10 feet Tall Shrul Pine Pin Oak 2 Pole/Log/XLog 9 5 Species Pine Pin Oak 2 Pole/Log/XLog 9 5 Species Pine Pine Ag Pole/Log/XLog 9 5 Species Pine Pine Ag Pole/Log/XLog 9 5 Species Pine Pine Pine Ag Pole/Log/XLog 9 5 Species Pine Pine Ag Pole/Log/XLog 9 5 Species Pine Pine Pine Ag Pole/Log/XLog 9 5 Species Pine Pine Pine Pine Oak 2 Pole/Log/XLog 9 5 Species Pine Pine Pine Oak 2 Pole/Log/XLog 9 5 Species Pine Pine Pine Oak 2 Pole/Log/XLog 9 5 Species Pine Pine Pine Oak 2 Pole/Log/XLog 5 Species Pine Pine Pine Pine Oak 2 Pole/Log/XLog 5 Species Pine Pine Pine Oak 2 Pole/Log/XLog 5 Species Pine Pine Pine Pine Oak 2 Pole/Log/XLog 5 Species Pine Pine Pine Pine Pine Pine Pine Pine	_	-								<u> </u>	aspen & oak. The resulting stand is a mix residual & regen from the	
White Pine 10 Log/Pole/XLog 12 Red Pine Trace Variable Sapling Black Cherry 5 Variable Black Cherry 5 Pole/Log/Sap 7 Jack Pine 43 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 Variable 1.5 Unspecified No Bog bordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Bog bordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Bed Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shrut White Pine 20 Pole/Log/XLog 9 16 Tag Alder Trace 5 - 10 feet Tall Shrut White Pine 20 Pole/Log/XLog 9 7 7 50 Black Spruce Trace Variable Sapling Quaking Aspen 23 Pole 8 50 White Pine Low Variable Sapling Red Maple 10 Pole/Sap/Log 5 50					_							harvest. There was more JP residual than regen but the oldest JP has
Red Pine 15 XLog/Log/Pole 20 Black Cherry 5 Pole/Log/Sap 7 Jack Pine 43 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 Subscience of the Age of Saper	-					50						
Black Cherry 5 Pole/Log/Sap 7 Jack Pine 43 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 Nonstocked 1.8 Unspecified No Bog bordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Conners Marsh creek floodplain below the water control structure. Tag alder over marsh grass, with scattered WP, RM & black spruce. Small beaver dam within sight of the engineered dam. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species 9 Cover Size Class DBH Age Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Quaking Aspen 23 Pole 8 50 White Pine 20 Pole/Log/XLog 9 1 Tag Alder Trace 5 - 10 feet Quaking Aspen 23 Pole 8 50 White Pine Low Variable Red Maple 10 Pole/Sap/Log 5 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50 Sapling Stock Age in the cut are unevenly the middle of the stand; there are a few resid RM & NPO saw along it. There's also ground with a seasonal high water table stocky & Indoor Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 8 Pole Northern Pin Oak 8 Pole Northern Pin Oak 9 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak 8 Pole Northern Pin Oak 8 Pole Northern Pin Oak 9 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Northern Pin Oak Northern Pin Oak 9 Pole/Log/Sap 7 50 Black Spruce Pine Pine Pine Pine Pine Pine Pine Pin												
Jack Pine 43 Pole/Log 9 63 Northern Pin Oak 25 Log/Pole/XLog 11 50 7 6225 - Bog Nonstocked 1.8 Unspecified No Bog bordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Conners Marsh creek floodplain below the water control structure. Tag alder over marsh grass, with scattered WP, RM & black spruce. Small beaver dam within sight of the engineered dam. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Was part of the same 1974 harvest (#12-74) as stand 6's, cutting merch JP-A-O and leaving the RP-WP. The resid pine and A-RM-O regen from the cut are unevenly distributed. The aspen is mostly in the N & E. Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shruth Quaking Aspen 23 Pole 8 50 White Pine Low Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50							Black Cherry	/	Low	Variable	Tall Shrub	stocked inclusion in the middle. Open-grown form is common in the
Northern Pin Oak 25 Log/Pole/XLog 11 50												
7 6225 - Bog Nonstocked 1.8 Unspecified No Bog bordering the flooding. Leatherleaf with some bog birch, ilex, spiraea, and colonizing WP. 8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Conners Marsh creek floodplain below the water control structure. Tag alder over marsh grass, with scattered WP, RM & black spruce. Small beaver dam within sight of the engineered dam. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species 6 Cover Size Class DBH Age Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shrut White Pine 20 Pole/Log/XLog 9 Black Cherry Low 5 - 10 feet Tall Shrut There are some dense pockets of RP saw in the west half with good form, but the rest of the pine is somewhat stocky & limby. Only a subset of the xlog RP are legacy trees; most are just large-diam from being released in 1974. Trace species include PB, BS, & JP. A lowland swale extends N-S through the middle of the stand; there are a few resid RM & NPO saw along it. There's also ground with a seasonal high water table												year old carlopy record due to a MiFr Illification.
8 6220 - Alder/willow Nonstocked 1.5 Unspecified No Conners Marsh creek floodplain below the water control structure. Tag alder over marsh grass, with scattered WP, RM & black spruce. Small beaver dam within sight of the engineered dam. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species % Cover Size Class DBH Age Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shrub White Pine 20 Pole/Log/XLog 9 Tag Alder Trace 5 - 10 feet Tall Shrub Quaking Aspen 23 Pole 8 50 White Pine Low Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50		lorthern Pin Oak	25	Log/Pole/XLog	11	50						
alder over marsh grass, with scattered WP, RM & black spruce. Small beaver dam within sight of the engineered dam. 9 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 10.4 75 141-170 N/A Canopy Species % Cover Size Class DBH Age Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shrub White Pine 20 Pole/Log/XLog 9 Tag Alder Trace 5 - 10 feet Tall Shrub Quaking Aspen 23 Pole 8 50 White Pine Low Variable Sapling Northern Pin Oak 2 Pole/Log/Sap 7 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50	7	6225	5 - Bog	ı	Vonsto	cked	1.8	U	nspecified	No		
Canopy Species % Cover Size Class DBH Age Red Pine	8	6220 - A	lder/willow	, ,	Vonsto	ocked	1.5	U	nspecified	No		alder over marsh grass, with scattered WP, RM & black spruce. Small
Canopy Species % Cover Size Class DBH Age Red Pine	9	42260 - Natural Pi	ne, Mixed	Deciduous Sa	wtimb	er Well	10.4 75		141-170	N/A		
Red Pine 45 Log/XLog/Pole 16 75 Black Cherry Low 5 - 10 feet Tall Shrub White Pine 20 Pole/Log/XLog 9 Tag Alder Trace 5 - 10 feet Tall Shrub Quaking Aspen 23 Pole 8 50 Northern Pin Oak 2 Pole/Log/Sap 7 50 Red Maple 10 Pole/Sap/Log 5 50 Black Spruce Trace Variable Sapling Red Maple 10 Pole/Sap/Log 5 50		Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size	
White Pine 20 Pole/Log/XLog 9 Tag Alder Trace 5 - 10 feet Tall Shrub form, but the rest of the pine is somewhat stocky & limby. Only a subset of the xlog RP are legacy trees; most are just large-diam from being released in 1974. Trace species include PB, BS, & JP. A lowland swale extends N-S through the middle of the stand; there are a few resid RM & NPO saw along it. There's also ground with a seasonal high water table			45	Log/XLog/Pole	_							
Quaking Aspen 23 Pole 8 50 Northern Pin Oak 2 Pole/Log/Sap 7 50 Red Maple 10 Pole/Sap/Log 5 50 White Pine Low Variable Sapling Black Spruce Trace Variable Sapling Sap		White Pine	20	Pole/Log/XLog	9		Tag Alder		Trace	5 - 10 feet	Tall Shrub	form, but the rest of the pine is somewhat stocky & limby. Only a subset
Northern Pin Oak 2 Pole/Log/Sap 7 50 Red Maple 10 Pole/Sap/Log 5 50 Black Spruce Trace Variable Sapling extends N-S through the middle of the stand; there are a few resid RM & NPO saw along it. There's also ground with a seasonal high water table		Quaking Aspen	23		8	50	White Pine		Low	Variable	Sapling	
Red Maple 10 Pole/Sap/Log 5 50 NPO saw along it. There's also ground with a seasonal high water table	Ν	lorthern Pin Oak	2	Pole/Log/Sap	7		Black Spruce	Э	Trace	Variable	Sapling	
		Red Maple	10		5	50	-					

Compartment: 283 Year of Entry: 2026



Stand Level 4 C	over Type	Si	ize De	nsity	Acres Stand A	ige BA Ran	nge	Managed S	Site	General Comments
10 6127 - L	owland Pine	e Sa	wtimb	er Well	27.0 115	111-14	40	N/A		May 2014 comments: Narrow stand on the Conners Marsh Creek
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	ecies Der	nsity	Avg. Height	Size	floodplain and transition ground bordering the Flooding. Mucky hillside seeps flow into the creek. The multi-storied canopy has variable
Northern White Cedar	3	Log/XLog/Pole	15		Black Spruce	e L	_OW	Variable	Sapling	distribution in pine, lowland conifers and hardwoods. Upland ridges
Tamarack	3	Pole/Log	9		White Pine	Me	edium	Variable	Sapling	flanking the creek have dense WP & RP cover. Decadence and cull are
Red Maple	10	Log/Pole/XLog	11		Tag Alder	L	_OW	5 - 10 feet	Tall Shrub	common in the overmature components. Locally full understory cover in WP or fir.
White Pine	39	XLog/Log/Pole	18	115	Red Maple	L	_OW	Variable	Sapling	WI OI III.
Paper Birch	1	Pole/Log	8		Balsam Fir	Me	edium	Variable	Sapling	
Red Pine	15	Log/Pole/XLog	16		Tamarack	Tr	race	Variable	Sapling	
Balsam Fir	10	Pole/Sap/Log	6			'	'			
Northern Pin Oak	1	Log/XLog/Pole	16							
Black Spruce	10	Pole/Log/Sap	7	75						
Quaking Aspen	3	Pole/Log	7							
Jack Pine	5	Log/Pole	13	92						
11 6122 - E	lack Spruce			er Well	6.1 108	51-80	0	N/A		May 16, 2014 field comments: Black spruce with mixed pine & lowland hardwoods, on saturated to intermediate ground. The core lowest groun
Canopy Species		Size Class		Age	Sub-Canopy Sp	ecies Der	nsity	Avg. Height	Size	has mature black spruce (first age, 98 years), while the intermediate
Black Spruce	60	Pole/Log	7	108	Balsam Fir	L	_OW	Variable	Sapling	ground has younger spruce (cored 58 years) and most of the pine, fir,
Balsam Fir	5	Pole	7		Black Spruce	e Me	edium	Variable	Sapling	aspen, paper birch & RM. Part of that transition ground was cut under FTP # 66-G in 1972 (second age, 42 years). The overmature JP has
Northern White Cedar	2	Log	14		White Pine	L	_OW	Variable	Sapling	largely died out. Two ephemeral drains cut through to the flooding.
White Pine	10	Pole/Log	8		Red Maple	L	_OW	Variable	Sapling	
Quaking Aspen	5	Pole	7	52	Tag Alder	L	_OW	5 - 10 feet	Tall Shrub	
Red Maple	3	Pole	7	52						
Red Pine	2	Log/XLog	16							
Paper Birch	5	Pole	7	52						
Jack Pine	6	Pole/Log	8							

13	4133 - Aspen	133 - Aspen, Mixed Pine								
	Canopy Species	% Cove	r Size Class	DBH	Age					
	White Pine	18	Pole/Sapling	6	40					
	Red Pine	5	XLog/Log/Pole	20						
(Quaking Aspen	3	Log	10	50					
	Balsam Fir	1	Pole/Sap/Log	7						
	Jack Pine	2	Pole	8						
(Quaking Aspen	70	Sapling	1	4					
N	lorthern Pin Oak	1	Pole/Log	9	50					

n	51.7	4	Immature	N/A					
	Sub-Can	opy Species	Density	Avg. Height	Size				
	Black	Cherry	Medium	5 - 10 feet	Tall Shrub				
	Black	Spruce	Trace	< 5 feet	Seeding				

A-MC stand was final harvested in 2020 (#032-19), cutting merch WP & other species 2"+ DBH except RP and two interior retention islands. The south ten acres (former stand 16) had mature O-A cover harvested in 2019 (#009-16), cutting 2"+ DBH except RP-WP >18" DBH and retention along the RMZs (merged w/ adjacent uncut stands). Regen from both harvests is dense aspen cover separated by small NF inclusions with BC brush and perimeter low ground with spruce & WP seeding in. Residual WP-RP is unevenly distributed across the stand. With a couple more growing seasons, the aspen regen will likely shift the stand's canopy closure into the 75-100% category. Regen passed across at least 70% of the stand at re-inventory, with the exception of an oak component in former stand 16 (the oak stump sprouts were browse-killed).



Stand	Level 4 Co	ver Type	s	ize De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
14	4133 - Aspe	n, Mixed P	ine Po	oletimb	er Well	47.2	55	111-140	N/A		Saw-sized JP & merch aspen were cut in 1964 (#58-64A). Notes ref a
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	1969 harvest (#21-69), then deeryard improvement FTPs 65-G & 66-G to cut residual (except RP & WP) in 1972. The initial '64 cut didn't regen
	Black Spruce	1	Pole	6		Blad	ck Cherry	Trace	Variable	Tall Shrub	much aspen; set the stand's overall age to the '69 harvest. The series of
	White Pine	13	Pole/Log/XLog	9		WI	nite Pine	Low	Variable	Sapling	harvests regenerated dense aspen clones, with WP, JP & RP the
C	Quaking Aspen	50	Pole/Log	8	55	Ва	lsam Fir	Low	Variable	Sapling	dominant cover between clones, along stump-origin NPO and upland brush. Fir & spruce are concentrated on the perimeter along with
	Black Cherry	1	Pole	7							scattered supercanopy RP & WP. Growth & vigor varies between
	Red Maple	1	Pole	7							clones. The BTA is doing best. The QA isn't as well developed and has
	Jack Pine	8	Pole	8							more conks and black canker.
Е	Bigtooth Aspen	6	Pole/Log	9	55						
	Paper Birch	1	Log/Pole	10							
	Balsam Fir	10	Pole/Sap/Log	6							
	Red Pine	5	Log/XLog/Pole	15							
No	orthern Pin Oak	4	Pole	7	55						
15	6120 - Lov	vland Ceda	ar Po	oletimb	er Well	9.6	128	171-200	N/A		May 2014 field inventory: Dense cedar pole cover with tamarack, spruce,
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	RM & paper birch mixed in. The sphagnum-covered ground is saturated, with standing water in the rootmat holes. Balsam fir common in the
Nort	thern White Cedar	75	Pole/Sap/Log	7	128	Ва	lsam Fir	High	Variable	Sapling	understory. The stand's slightly drier north end has larger diameter
	Tamarack	10	Pole/Sapling	7		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	cedar. NWC dieback & mortality increasing on the core saturated
	Paper Birch	3	Pole	7		Blad	ck Spruce	Low	Variable	Sapling	ground.
	Black Spruce	10	Pole/Sapling	7		Mich	igan Holly	Trace	< 5 feet	Tall Shrub	
	Red Maple	2	Pole	8				,			•
17	6233 - W	et Meadow	<i>I</i>	Nonsto	ocked	3.6	0	Unspecified	No		Marsh with patches of tag alder and salix. WP, fir & spruce colonizing the edges. Beaver dam at south end appeared unmaintained.
18	6124 - Lowla	nd Spruce	-Fir Po	oletimb	er Well	64.4	107	111-140	N/A		May 2014 comments: Mixed conifer swamp on saturated to intermediate
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	ground, with upland inclusions. Diffuse groundwater flow to the SW converges into perennial streams. The best tree health & growth is on
Nort	thern White Cedar	22	Log/Pole	12	134	Ва	lsam Fir	Medium	Variable	Sapling	the transition ground edge and scattered PArVCo islands. The stand's
	Balsam Fir	5	Pole/Sapling	6		Blad	ck Spruce	Medium	Variable	Sapling	core saturated ground has smaller-diameter, sparser cover, particularly
	Tamarack	2	Pole	7		Та	ımarack	Low	Variable	Sapling	where the black ash died out. NWC on that lowest ground is top-dying. 2024 update: All but one of stand 27's retention islands were merged
	White Pine	2	XLog/Log	24		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Black Spruce	45	Pole/Sap/Log	7	107	WI	nite Pine	Low	Variable	Sapling	and wetland pools (see Site Condition layer).
C	Quaking Aspen	2	Pole	8						·	
Е	Bigtooth Aspen	2	Pole/Log	9							
	Paper Birch	2	Pole	7							
	Jack Pine	2	1								
	Jack I IIIC		Log	12							
	Red Maple	15	Log/Pole/Sap	12 10 20							

DNR DNR

Stand	nd Level 4 Cover Type Size De		ensity	Acres S	Stand Age	BA Range	Managed \$	Site	General Comments						
19	3205 - Mixed	l Upland S	hrub N	Nonst	ocked	38.0		Unspecified	Managed O	pening	Mature JP stand was final harvested in 2007 (#027-06), cutting all ¬ species 2"+ DBH except oak & BT's. The residual consists of scattered				
						Sub-Cand	opy Species	s Density	Avg. Height	Size	NPO saw and a couple super-canopy RP. Was burned in April 2015				
						Quakin	ng Aspen	Trace	< 5 feet	Sapling	(W72-770) and May 2018 in order to maintain pine barrens/dry sand				
						Norther	n Pin Oak	Trace	>20 feet	Log	prairie cover. BC brush cover increases to the south. Traces of aspen				
						Jacl	k Pine	Trace	Variable	Pole	regen on the west side.				
						Black	Cherry	Medium	5 - 10 feet	Tall Shrub					
20	4133 - Aspe	en, Mixed F	Pine Po		er Well	40.1	50	81-110	N/A		Most of the stand was final harvested in 1974 (#20-74), cutting merch JP- A-O & a small amount of marked RP saw. The east multi-polys were cut				
С	anopy Species	% Cove	r Size Class	DBI	l Age	Sub-Cand	opy Species	s Density	Avg. Height	Size	a year later under FTP 152-G. The stand regenerated to quaking aspen				
Q	uaking Aspen	64	Pole	7	50	Chok	keberry	Trace	< 5 feet	Tall Shrub					
No	rthern Pin Oak	2	Pole/Sap/Log	7	50	Black	Cherry	Medium	5 - 10 feet	Tall Shrub	varying cover in JP-WP along with lesser amounts of RP, spruce, RM &				
Е	Black Spruce	3	Pole	6		Whit	e Pine	Low	Variable	Sapling	stump-origin oak. Growth & health varies widely between the aspen clones, ave diams range from 5-8", black canker, conks, &/or hypoxylon				
	White Pine	15	Pole/Log/XLog	9							present in most. Open-grown form common in the pine. OFS point in				
	Red Pine	3	Log/Pole/XLog	15							the NW is a tiny bog. A string of small upland openings occur in the				
	Jack Pine	10	Pole/Log	8							stand's E1/2.				
	Red Maple	2	Pole/Sapling	6	50										
Е	Black Cherry	1	Pole	7											
C	Dec Canopy Species	iduous % Covei	r Size Class	DBI	l Age	Sub-Canopy Species		s Density	Avg. Height	Size	Marsh Creek. Very active groundwater, many seeps converge with the trib. The slightly drier ground has larger diameter NWC, spruce & cull RM. The core saturated ground has more pole-sized spruce & fir.				
	Red Maple	10	Log/Pole	14		Tag	Alder	Low	5 - 10 feet	Tall Shrub	Spruce cored 68-72-104 years old, ave 81 (1st age). 2nd age was on a				
Q	uaking Aspen	10	Pole	9		Bals	am Fir	Medium	Variable	Sapling	15" DBH NWC.				
В	alsam Poplar	5	Pole	8		Whit	e Pine	Low	Variable	Sapling					
	Balsam Fir	10	Pole	6		Black	Spruce	Medium	Variable	Sapling					
Е	Black Spruce	35	Pole	7	91					1					
	White Pine	3	XLog/Log	24											
North	nern White Cedar	25	Log	15	176										
22	6224 - ⁻	Γreed Bog	١	Nonstocked						1.0	,	Unspecified	No		Was within an area cut 2"+ DBH in 2007 (#027-06), Leatherleaf groundcover with colonizing JP & perimeter WP-RP.
23	429 - Mixed l	Jpland Cor	nifers S	aplin	g Poor	16.9	17	Immature	N/A		Mature JP stand was final harvested in 2007 (#027-06), cutting stems 2"+				
	anopy Species	% Cove	r Size Class	DBI	l Age	Sub-Cand	opy Species	s Density	Avg. Height	Size	DBH except for scattered oak. Regenerated to variable stocking in JP,				
	Black Spruce	5	Sapling	1	J-		Cherry	Medium	Variable	Tall Shrub	aspen (by stand 20), and spruce-fir on the low ground edge. BC brush inclusions throughout. Canopy closure drifts off either side of 50%.				
_	Red Pine	1	Pole/Sapling	7			• ,				1				
	Jack Pine	55	Sapling	2	17										
Q	uaking Aspen	30	Sapling	2	17										
	rthern Pin Oak	5	Log/Pole	11											
0	Balsam Fir	4	Sapling	2											
		•	- Simb	_											



tand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range N		Managed Site General Comments								
24	42220 - Natu	ural Jack P	Pine Pole	timbe	r Medium	12.6	35	1-50	N/A		Was cut 2"+ DBH in 1989 (#078-88). Regenerated to JP with oak stur	
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sprouts, scattered RP-WP, and spruce-fir on the low ground inclusions Stocking varies from dense to sparse, averaging in the low end of the	
No	rthern Pin Oak	10	Sapling/Pole	4	35	Lea	atherleaf	Trace	< 5 feet	Tall Shrub	75% canopy closure category. Open-grown form common.	
E	Black Spruce	7	Pole/Sapling	6		Blac	ck Cherry	Low	5 - 10 feet	Tall Shrub		
	Jack Pine	75	Pole/Sapling	6	35			<u> </u>	1		•	
	Red Pine	2	Pole/Log	8								
	Balsam Fir	5	Pole/Sapling	6								
	Tamarack	1	Pole/Sapling	6								
25	6224 - T	reed Bog	١	Nonsto	ocked	2.4	0 ι	Jnspecified	No		Was within an area cut 2"+ DBH in 1989 (#078-88). Leatherleaf groundcover, patches of L3 & marsh, with colonizing JP, tamarack, & black spruce. The tamarack is filling well in the middle of the stand. Treed bog approaching the forested benchmark.	
26	6224 - T	reed Bog	١	Nonst	ocked	0.9	l	Jnspecified	No		Except for the south end, was within an area cut 2"+ DBH in 1989 (#0.88). Leatherleaf with colonizing JP, black spruce, tamarack & WP. Treed bog approaching the forested benchmark.	
27	4130 -	- Aspen	Sa	pling l	Medium	55.9	5	Immature	N/A		Mature A-O-MC stand was final harvested by Oct 2019 (#009-16), spe	
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cut trees 2"+ DBH except RP-WP >18" DBH and retention excludi IZs and wetlands. Through sale admin, intact patches of large sa	
Q	uaking Aspen	75	Sapling	1	5	Blac	k Spruce	Trace	< 5 feet	Seeding	cover were allowed to be left uncut provided they were not damaged.	
Bi	igtooth Aspen	5	Sapling	1	5	Wh	nite Pine	Trace	< 5 feet	Seeding	Boundary-excluded retention along the north edge was merged with the	
	Red Maple	5	Sapling/Pole	3		Quak	ing Aspen	Low	< 5 feet	Seeding	adjacent lowland types (see Site Condition layer). The stand regenera to dense aspen clones separated by U/LDT inclusions. Aspen regen	
No	rthern Pin Oak	5	Sapling	1	5	Blac	ck Cherry	Medium	5 - 10 feet	Tall Shrub	continues to fill in the sparse areas. The oak stump sprouts have bee	
	White Pine	5	Pole/Sap/Log	6	5				1	1	browse-killed. Traces of spruce have established along the swamp	
	Red Pine	5	XLog/Log/Pole	20							edge. RP is seeding in around the scattered legacy trees. The treatn had an A-O objective, with conifers and mixed deciduous associates acceptable. Aspen is successfully regenerating, and there will be a m conifer component, but the deer are eliminating the NPO & RM stump sprouts.	
28	4136 - Aspen	, Mixed Co	nifer Po	letimb	er Well	12.8	58	81-110	N/A		This stand was cut in the mid-1960's when still in Consumers Power	
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	ownership. The cutting was pretty clean in the aspen but left a fair amount of oak, pine & RM. The aspen (mostly QA) is moving into the	
	Balsam Fir	8	Pole/Sap/Log	6		Blad	ck Cherry	Trace	Variable	Tall Shrub	saw class. The xlog NPO is breaking up. Lesser canopy associates	
E	Black Spruce	2	Pole/Sap/Log	6		Wh	nite Pine	Medium	Variable	Sapling	include oversize pulp RM, log-xlog RP, and suppressed to intermediat	
	Red Pine	5	Log/XLog/Pole	16		Ва	lsam Fir	Medium	Variable	Sapling	fir, spruce & WP. The understory is filling in fir & WP. Former food pl trespass area has grown over. Heavy DWD from the oak breaking up	
	Red Maple	5	Log/XLog/Pole	17				,		,	The stand's east edge drops steeply down to the creek.	
Q	uaking Aspen	60	Pole/Log	9	58						- · · · ·	
	igtooth Aspen	5	Log/Pole	10								
Bi					404							
	rthern Pin Oak	10	Log/XLog	16	101							

rt 7 – Stands Compartment: 283 Year of Entry: 2026

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Stand	Level 4 Co	over Type	Si	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments		
30	42210 - Nat	ural Red P	Pine Sa	wtimb	er Poor	6.5	65	1-50	N/A		Species-removal harvest was carried out on the hilltop portion of the		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	original stand 30 in 2019 (#009-16), cutting trees 2"+ DBH except RP-WP-WO (cruise residual 44 sq. ft). Primary species removed were A-RM-		
	Bigtooth Aspen	1	Pole	8		Whi	te Pine	Trace	Variable	Sapling	NPO, leaving variably-distributed RP-WP & the occasional A-RM-F. BAs		
	Red Maple	2	Pole/Sapling	6		Bigtoo	th Aspen	High	5 - 10 feet	Sapling	range from 0-90. A3 established outside of the denser residual; the		
	White Pine	15	Pole/Log	8		Red	d Pine	Low	>20 feet	Sapling	regen shifts from QA in the west to BTA moving uphill to the east. The A-O regen objective was only partially met: aspen successfully established		
	Red Pine	80	Log/Pole	13	65	Quakii	ng Aspen	Medium	5 - 10 feet	Sapling	but there is not a recordable oak component. The excluded steep slope		
	Balsam Fir	1	Pole/Sapling	5		Black	Cherry	Trace	5 - 10 feet	Tall Shruk	of stand 30 was merged with stand 34 at re-inventory and the far west		
	Quaking Aspen	1	Pole	7		Bals	sam Fir	Trace	Variable	Sapling	end was merged with stand 31.		
31	42210 - Nat	ural Red P	Pine Sa	wtimb	er Poor	25.2	61	1-50	N/A		20 acres of the stand were harvested in 2008 (#018-06), cutting merch		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	JP, aspen & un-marked oak. All RP-WP were left (cruised residual of 30 sq ft) & green-marked oak (<10 sq ft). RP was planted without trenching		
	White Oak	2	Log/Pole	14		Black	Cherry	Low	Variable	Tall Shrub			
	White Pine	15	Pole/Log	8		Jac	k Pine	Low	5 - 10 feet	Sapling	residual without creating uniform plantation rows. Final regen survey		
	Red Pine	70	Log/Pole/XLog	10	61	Red	d Pine	Trace	< 5 feet	Seeding	found 250 RP & 1500 O-C tpa. The variably-distributed residual is still the featured canopy, made up of primarily RP-WP with scattered NPO.		
	Jack Pine	1	Log	12		Norther	n Pin Oak	Low	10 - 20 feet	Sapling	The majority small saw-large pole RP is relatively young but there is also		
	Balsam Fir	3	Pole/Sap/Log	6		Red	d Pine	Low	5 - 10 feet	Sapling	a minor xlog legacy component. Decline & mortality is continuing in the		
	Red Maple	1	Log/Pole	14		Whi	te Pine	Low	Variable	Sapling	residual NPO. The understory has natches of planted RP and naturally.		
١	Northern Pin Oak	8	Log/XLog	15	100								
	0000 Mind F		/allow d								the campground was achieved. The west 3.5 acres were merged in from stand 30 (see Site Condition layer). That unharvested portion includes part of the Conners Marsh Creek RMZ, WP Branch Flagging study plots, and a narrow strip along the county road.		
32	6239 - Mixed E	mergent W	vetland r	Nonsto	cked	5.1	Ur	nspecified	No		May 2014 edge call: Cleared pipeline corridor across low ground. Cover includes marsh grass, patches of cattail, tag alder & salix, with encroaching tamarack & black spruce.		
33	6129 - Mixed Conife					213.2	132	51-80	N/A		April 2014 comments: Low productivity swampland with varying distribution in cedar, black spruce & tamarack. Minor canopy associates		
	Canopy Species		Size Class	_	Age		opy Species	Density	Avg. Height	Size	include RM, balsam fir, WP, JP, PB, QA, & balsam poplar. Canopy		
	Balsam Fir	3	Pole	5			gan Holly	Low	5 - 10 feet	Tall Shrub	closure drifts off either end of the 25-50% category. The stand's narrow		
	Quaking Aspen	2	Pole/Log	9			Spruce	Low	Variable	Sapling	transition ground edge and occasional PArVCo islands support denser and healthier tree cover, but the majority saturated ground has sparse,		
	Tamarack	15	Pole/Log	8	109		Alder	Medium	5 - 10 feet	Tall Shruk	struggling cover. Top mortality is common across all species there,		
	Balsam Poplar	2	Pole/Log	8			am Fir	Medium	Variable	Sapling	where the root mat is an open lattice over standing water. Dwarf		
	Black Spruce	30	Pole	7	107	Red	Maple	Low	10 - 20 feet	Sapling	mistletoe is causing brooming & mortality in pockets of black spruce. Understory cover on the flooded ground is dense lowland shrub (tag alder		
No	rthern White Cedar	40	Pole/Log	7	132						with thickets of ilex). Where the water level isn't as high, balsam fir &		
	Paper Birch	2	Pole/Log	8							black spruce are filling in the understory. The stand's N1/3 has lower		
	Jack Pine	2	Log/Pole	12							water levels; lowland hardwoods mix in there. 2024 update: One of stand 27's retention islands was merged into the SW; that island was		
	Red Maple	2	Log/Pole	12							excluded from harvest due to low ground (see Site Condition layer).		
	White Pine	2	Log/Pole/XLog	15							5 · ······ (···· · ················		

Report 7 – Stands

Compartment: 283

Year of Entry: 2026

											DNR DNR
Stand	d Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
34	Conifer		ous with Sa	awtimb	er Poor	11.4	100	1-50	N/A		Rainbow Bend State Forest Campground, with drive-in and a canoe-in campsites. Cover is predominantly overmature NPO saw with RP, WP &
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	JP. Most of the stand's aspen is on the steep hillside on the north ed (merged in from stand 30). The RM is mostly on the south edge. 2nd
	Bigtooth Aspen	5	Log/Pole	10		Wh	nite Pine	Low	Variable	Sapling	age estimate was drawn from stand 30. The overmature NPO, JP & BTA
	White Pine	15	Pole/Log	9		Blac	ck Cherry	Medium	Variable	Tall Shrub	components continue to decline on this dry site.
	Red Pine	20	Log/Pole	13	65						•
	White Oak	1	Log	12							
	Red Maple	4	Log/Pole	12							
	Northern Pin Oak	50	Log/XLog	16	100						
35	429 - Mixed l	Jpland Cor	nifers Po	oletimb	er Poor	11.2	51	1-50	N/A		The stand includes fingers of dry ground separated by flooded swales. Patches of aspen were felled in 2016 through a non-commercial WLD
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	habitat FTP (W72-793). Aspen regen established within the larger gaps,
	Black Cherry	1	Pole	7		Bal	lsam Fir	Low	Variable	Sapling	mainly in the E1/2 of the stand. The residual canopy is patchy and
	Quaking Aspen	10	Pole/Log	9	59	Blac	ck Cherry	Low	Variable	Tall Shrub	variable. The mature aspen, NPO & JP continue to drop out, being replaced by fir, WP & spruce. Most of the RP is concentrated in a pocket
	Red Maple	1	Log/Pole	11			ing Aspen	Medium	10 - 20 feet	Sapling	near McMasters Bridge Road in an old borrow pit.
	Jack Pine	5	Log/Pole	11		Wh	nite Pine	Trace	Variable	Sapling	, i
	Northern Pin Oak	5	Log/Pole	12	110	Blac	k Spruce	Trace	Variable	Sapling	
	Tamarack	5	Log/Pole	10		Ta	ng Alder	Trace	5 - 10 feet	Tall Shrub	
	Balsam Fir	32	Pole/Sapling	6	51						
	Paper Birch	1	Pole	7							
	Black Spruce	15	Pole/Sap/Log	7							
	White Pine	20	Log/Pole/XLog	12							
	Red Pine	5	Log/XLog/Pole	14							
36	6112 - Lov	wland Aspe	en Sa	awtimb	er Poor	3.6	59	1-50	N/A		Seasonally flooded marshy swale has patchy cover in lowland aspen with
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	cedar, basswood & WP scattered on the margins. Cleared powerline corridor cuts through it. An ephemeral drainage flows out the east end,
	Red Maple	5	Pole/Sap/Log	7		Hawth	horn (spp.)	Trace	10 - 20 feet	Tall Shruk	
	Basswood	5	Log/Pole	12		Та	ng Alder	Low	10 - 20 feet	Tall Shruk	was lost and continues as the overmature aspen drops out.
	Quaking Aspen	60	Log/Pole	11	59						1
No	orthern White Cedar	5	XLog/Log	22							
	White Pine	5	Log/Pole/XLog	15							
				_							

Balsam Fir

Balsam Poplar

Pole/Sap/Log

Pole/Log

5 15 6

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tand	Level 4 Co	over Type	S	Size De	nsity	Acres Stand	Age B	A Range	Managed S	Site	General Comments
37	4133 - Aspen, Mixed F		rine Sa	awtimbe	er Well	3.5 54		81-110	N/A		Small upland aspen stand with RM, oak and conifer associates. Balsar fir & WP are recruiting into the canopy as the overmature aspen breaks
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	oecies	Density	Avg. Height	Size	up. The stand is cut off from the rest of the compartment by a seasona
	Red Maple	20	Pole/Log	8		White Pine		Medium	Variable	Sapling	flooded swale.
	Quaking Aspen	40	Log/Pole	11	54	Balsam Fir		Medium	Variable	Sapling	
	Paper Birch	1	Pole/Log	8							
	Bigtooth Aspen	1	Log/Pole	12							
Blad	ck/Red (Hybrid) Oak	5	Log/XLog	14	100						
	White Pine	10	Pole/Log/Sap	9							
	Red Pine	15	Log/Pole/XLog	11							
	Balsam Fir	8	Pole/Sapling	6							
38	6220 - A	lder/willow		Nonsto	cked	6.1	Uı	nspecified	No		May 2014 edge call: Tag alder over marsh with sparse E/Q (black spruce, tamarack, balsam fir & aspen) on margins and scattered interior Diffuse drainage to east.
39	500 -	- Water		Nonsto	cked	1.4	Uı	nspecified	No		AuSable River by the Rainbow Bend canoe access site.
40	6220 - A	lder/willow		Nonsto	cked	1.1	Uı	nspecified	No		Tag alder & salix over marsh, with tamarack & spruce along margins. Drains to southeast.
41	6132 - Mixed Lowla	and Forest	with Cedar S	awtimbe	er Well	1.3 130		111-140	N/A		2014 remote call: Small stand cut off from the rest of the compartment by the AuSable River and bounded by private property. This stand was not accessed for inventory. Viewed from across the river, there is cede on the floodplain and large RP on the steep steep sideslope, with misc deciduous mixed in.
42	6220 - A	lder/willow		Nonsto	cked	1.5	Uı	nspecified	No		May 2014 comments: Was within an area cut merch by 1975 (#7-74 & #17-74). Current cover is lowland shrub (tag alder, aronia, spiraea, ilex viburnum) with low-density tree cover (WP, black spruce & quaking aspen residual & regen from the harvest). Standing water in the spring
43	4133 - Aspe	en, Mixed P	ine Po	oletimbe	er Well	26.3 49		111-140	N/A		Aspen stand was final harvested in 1975 (#7-74 & #17-74), cutting mer
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size	stems. The stand regenerated to aspen with a significant conifer component and minor stump-origin RM & NPO. The WP-RP increases
	Balsam Fir	5	Pole/Log/Sap			Balsam Fir		Low	Variable	Sapling	moving west. Most of the spruce-fir is on the transition ground by the
	Quaking Aspen	54	Pole	7	49	Black Cherr	٧	Medium	Variable	Tall Shrub	swamp. Stocking & form are poorer on the east edge. Conks &
	Black Spruce	4	Pole	7		White Pine	,	Low	Variable	Sapling	hypoxylon top mortality present in most clones.
	Red Pine	2	Log/XLog	16						1 3	
	Jack Pine	1	Pole	8							
	Red Maple	10	Pole/Sap/Log		49						
1	Northern Pin Oak	4	Pole	7	49						
- '	White Pine	20	Log/Pole	12	73						
44		lder/willow		Nonsto	cked	1.3	Uı	nspecified	No		May 2014 edge call: Tag alder over marsh with sparse perimeter Q/E (tamarack, black spruce, balsam fir, balsam poplar).



Stand	Level 4 C	over Type	s	ize De	ensity	Acres	Stand Age B	A Range	Managed S	iite	General Comments			
45	4311 - Pin	•			er Well	10.6	61	51-80	N/A		Except for a sub-acre patch in the NW, the stand was partially harvested in 1997 (#045-96), cutting merch JP-A north of Conners Flat Rd & only			
	opy Species		Size Class		l Age		nopy Species	Density	Avg. Height	Size	orange-marked trees south of the road. Residual from the harvest was			
	ern Pin Oak	5	XLog/Log	18	107		oth Aspen	Low	>20 feet	Sapling	mainly small saw-large pole WP, RM & log-xlog NPO, with small amounts			
Re	ed Pine	1	XLog/Log/Pole	18			ch Hazel	Trace	5 - 10 feet	Tall Shrub	of mature aspen. Most of the uncut aspen is on the N-center edge and S of the county rd. The patches of aspen regen from the cut are still			
Wh	hite Pine	40	Log/Pole	11	61		ite Pine	Medium	Variable	Sapling	transitioning into the pole class but have reached the canopy. The			
	alsam Fir	1	Pole	6			k Cherry	Trace	Variable	Tall Shrub	harvest did not remove much volume west of the pipeline or south of the			
Bigto	ooth Aspen	13	Sapling/Pole	4	27	Mich	igan Holly	Trace	5 - 10 feet	Tall Shrub	county road. A lowland swale with ilex & tag alder occurs along the west edge of the stand.			
Quak	king Aspen	25	Sapling/Pole	4	27						euge of the stand.			
Re	ed Maple	15	Pole/Sap/Log	7										
46	710 - S	Sand, Soil		Nonsto	ocked	4.8	U	nspecified	No		Former leased clay pit. Some water ponding in lowest points, otherwise dry. There are sub-acre patches of quaking aspen & balsam poplar, and perimeter NPO, BC & WP.			
47		- Aspen			g Well	7.6		mmature	N/A		Aspen stand was final harvested in 2007 (#021-06), cutting stems 2" DBH except RP >16" DBH. Regenerated well to quaking aspen, with			
	opy Species	% Cove		_	l Age		nopy Species	Density	Avg. Height	Size	NPO along the east edge and spruce-RP establishing along the swamp			
	am Poplar	5	Pole/Sapling	7			g Alder	Trace	5 - 10 feet	Tall Shrub	edge. The RM was heavily browsed. A handful of legacy RP are			
	king Aspen	80	Sapling	3	17		Dogwood	Trace	5 - 10 feet	Tall Shrub	scattered above. Two diffuse ephemeral drainages originate in the bordering swamp, flow southeast into the aspen stand and go			
	ern Pin Oak	5	Sapling	3	17		k Cherry	Low	Variable	Tall Shrub	underground within it. Traces of tag alder and pole-sized hawthorn are			
	ed Pine	4	Sapling	1		Hawtl	norn (spp.)	Trace	10 - 20 feet	Tall Shrub	associated with those marshy swales.			
	ck Spruce	5	Sapling	1										
Re	ed Pine	1	XLog/Log	20										
48		ne, Oak M		Saplin		37.4	13	1-50	N/A		Oak-pine-aspen stand was seed-tree harvested in 2009 (#021-06), cutting merch stems except RP, WP & green-marked trees (cruised			
	opy Species		Size Class	_	l Age		nopy Species		Avg. Height	Size	residual 10 BA oak & 10 BA WP-RP). Sparser areas along Conners Flat			
	hite Pine	10	Log/Pole	15	56		rie Willow	Trace	< 5 feet	Tall Shrub	Road were boundary-line excluded from the harvest. 32 acres were trenched and interplanted to RP as a nurse crop for the oak in 2011			
	ern Pin Oak	8	Log/XLog	17			norn (spp.)	Trace	10 - 20 feet	Tall Shrub	under FTP C72-605. Year 1 regen survey showed ~600 RP/ac and 800			
	ooth Aspen	10	Sapling	2	15	Blac	k Cherry	Medium	Variable	Tall Shrub	BC-A-O/ac. Regen passed at re-inventory in 2014 to the oak-pine M.O.			
	ed Pine	2	Log/XLog	15	4.0						The sapling regen is the featured canopy, with the residual WP-NPO-RP scattered above. The planted RP alternates with dense patches of			
	ed Pine	45	Sapling	1	13						vigorous NPO regen. There is more single-stem oak regen than stump-			
Northe	ern Pin Oak	25	Sapling	2	15						origin. The BTA regen increases to the south. Residual WP increases to the south also.			
49 422	260 - Natural Pi	ne, Mixed	Deciduous Sa	wtimb	er Well	13.4	63	111-140	N/A		The stand starts out on the hilltop bordering Conners Flat Road, drops			
Can	opy Species	% Cove	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	steeply down into the AuSable River Valley, and then levels out by the private property. Roads used to access residences along the river			
WI	hite Oak	2	XLog/Log/Pole	18		Wh	ite Pine	High	Variable	Sapling	dissect the stand. The canopy has varying distribution in RP, WP, NPO			
		2	Pole/Log	8		Blac	k Cherry	Low	Variable	Tall Shrub	& aspen. The pine component is small saw-large pole in size, with			
	ed Maple			"										
Re	ooth Aspen	15	Log/Pole	12							scattered legacy stems. Cover on the hilltop flats south of the county			
Re Bigto	•										road is increasingly sparse as the NPO breaks up. The stand's poly north of the county road has some immature aspen but the bulk of the			
Re Bigto Ja	ooth Aspen	15	Log/Pole	12	63						road is increasingly sparse as the NPO breaks up. The stand's poly north of the county road has some immature aspen but the bulk of the aspen south of the road is mature to overmature, with decadence and			
Re Bigto Ja Re	ooth Aspen ack Pine	15	Log/Pole Log/Pole	12 12	63						road is increasingly sparse as the NPO breaks up. The stand's poly north of the county road has some immature aspen but the bulk of the			
Re Bigto Ja Re Quak	ooth Aspen ack Pine ed Pine	15 1 40	Log/Pole Log/Pole Log/Pole/XLog	12 12 12							road is increasingly sparse as the NPO breaks up. The stand's poly north of the county road has some immature aspen but the bulk of the aspen south of the road is mature to overmature, with decadence and			

Grayling Mgt. Unit



Stand	Level 4 Co	over Type	s	ize Densit	Ac.	res	Stand Age	BA Range	Managed 9	Site	General Comments				
50	320 - Up	land Shrub		Nonstocked	54	.6	0	Unspecified	4211 - Planted	Red Pine	Naturally-established JP stand, w/ NPO & aspen on the hillside, was final				
					Sul	-Ca	nopy Specie	s Density	Avg. Height	Size	harvested by Sept 2021 (#030-17), cutting stems 2"+ DBH except WO (a few), green-marked trees (traces of RP), and pathway marker trees. A				
					I	Bigto	oth Aspen	Low	5 - 10 feet	Sapling	retention island (now part of stand 51) was excluded along Conners Flat				
						Re	ed Pine	Trace	>20 feet	Log	Road, and a sub-acre triangle of RP was not cut at the north end. An				
						Wh	nite Pine	Trace	< 5 feet	Sapling	unmaintained portion of the Midland to Mackinaw hiking pathway crosses through the south end of the stand. The harvest was spec'd to maximize				
					(Quak	ing Aspen	Trace	< 5 feet	Sapling	scarification and seed dispersal for natural JP regen. 2024 regen check				
						Ja	ck Pine	Trace	>20 feet	Pole	found no JP regen from the cut even in the main skid routes or landings.				
				Cherry (spp.)		Medium	5 - 10 feet	Tall Shrub	The NPO stump sprouts were heavily browsed, as were the traces of prexisting fir. Small patches of aspen sprouted on the west edge hillside. JP pathway marker trees are wind-throwing.						
51	42110 - Plar	nted Red P	rine Po	oletimber Po	or 11	.4	28	1-50	N/A		Former gravel pit, along with islands of uncut mature JP split off from				
C	Canopy Species	% Cover	Size Class	DBH Ag	Sul	-Ca	nopy Specie	s Density	Avg. Height	Size	stand 50 (see Site Condition layer). Shallower portions of the pit were trenched and planted to RP (80%) & JP (20%) in 1996 (C72-367). Cover				
	Red Pine	75	Pole/Sapling	5 28			erry (spp.)	Low	Variable	Tall Shrub					
	Jack Pine	24	Pole/Sap/Log	7 59							center. The JP canopy record had to combine the mature residual (2nd				
No	orthern Pin Oak	1	Pole/Log	8							age) and the immature planted JP. Trace species include NPO, quak aspen and balsam poplar.				
52	320 - Upland Shrub			Nonstocked	4	9	0	Unspecified	No		Naturally-established JP stand w/ NPO was final harvested by Sept 2021				
					Sul	-Cai	nopy Specie	s Density	Avg. Height	Size	(#030-17), cutting stems 2"+ DBH except WO & green-marked trees. Most of the residual pole-sapling WO & NPO is along the highway. This				
						Che	erry (spp.)	Medium	Variable	Tall Shruk	isolated portion of stand 50's harvest was prescribed to have an LDT				
						Wh	nite Oak	Trace	Variable	Pole	M.O. Cherry brush is the dominant regen. The NPO stump sprouts				
					N	orthe	ern Pin Oak	Trace	Variable	Pole	were heavily browsed. A small wildfire burned into the east-center last year. See Site Condition layer.				
					N	orthe	ern Pin Oak	Trace	< 5 feet	Seeding					
53	42290 - Natu	ıral Mixed f	Pine Po	letimber Po	or 17	.8	61	1-50	N/A		JP-NPO stand was harvested in 1996 (#017-96), cutting merch stems except oak and balsam fir. The canopy has patchy, variable distribution				
C	Canopy Species	% Cover	Size Class	DBH Ag	Sul	-Ca	nopy Specie	s Density	Avg. Height	Size	in residual JP, immature oak, scattered NPO saw, WP, RP & balsam fir.				
No	orthern Pin Oak	20	Pole	7		Ja	ck Pine	Low	Variable	Sapling	The overmature oak continues to decline and drop out of the canopy.				
No	orthern Pin Oak	10	XLog	20 113	3	Chol	ke Cherry	Low	< 5 feet	Tall Shrub	The fir has also been dying. The center and west sides of the stand have pine barrens characteristics. Cover ranges from LDT to J6, averaging on				
	Balsam Fir	2	Pole	7		Blac	ck Cherry	Medium	Variable	Tall Shrub	the high end of 25-50% canopy closure. The patches of oak regen make				
	White Pine	7	Log/Pole	10	ŀ	lawth	horn (spp.)	Trace	5 - 10 feet	Tall Shrub	the canopy appear fuller.				
	Jack Pine	55	Pole	8 61	N	orthe	ern Pin Oak	Medium	Variable	Sapling					
	White Oak	2	Pole/Sap/Log	7											
	Red Pine	4	Log/XLog	14											
54	122 - Road	d/Parking L	ot I	Nonstocked	10	.1		Unspecified	No		Cleared county road corridors and some adjacent openings.				



Stand	Level 4 Co	over Type	s S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
55	42290 - Natu	ıral Mixed	Pine Sa	awtimb	er Poor	13.5	62	1-50	N/A		Sparse pine-oak stand occupies a dry plateau above the JP plains. The
	Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	large, poor quality NPO have been dropping out of the canopy. Snags & DWD are common. The rest of the sparse canopy is made up of WP,
	White Oak	1	Log	13		Servicebe	erry (Juneberry)	Trace	10 - 20 feet	Tall Shrub	RP, JP, immature pole NPO, and small patches of aspen. There are
	Jack Pine	12	Log/Pole	11		Wh	nite Pine	Medium	Variable	Sapling	dense pockets of secure NPO regen. WP continues to seed in. Small
N	Northern Pin Oak	10	Log/Pole/XLog	15	107	Fragr	ant Sumac	Trace	< 5 feet	Tall Shrub	upland openings remain with big bluestem & mast-producing shrub cover.
	Red Maple	1	Pole	7		Blad	ck Cherry	Medium	Variable	Tall Shrub	
	Bigtooth Aspen	10	Pole/Log	8		Hawtl	horn (spp.)	Low	Variable	Tall Shrub	
	White Pine	50	Log/Pole	11	62	Re	ed Pine	Low	Variable	Sapling	
	Red Pine	15	Log/Pole/XLog	12		Northe	ern Pin Oak	Medium	5 - 10 feet	Sapling	
	Quaking Aspen	1	Pole	8							-