

Compartment Review Presentation

Gwinn Forest Management Unit Compartment 32269 Entry Year 2023 Acreage: 1,052 County Marquette Management Area: Chain Lakes Moraine

Revision Date: 2021-08-03

Stand Examiner: Jason Caron

Legal Description:

T45N R27W Sec 30 except NWNW and Sec 31.

Identified Planning Goals:

Goals within this compartment are timber production, wildlife habitat management and protection of water quality. Timber management is primarily for fiber production using even age techniques, with some sawlog and old forest condition management where appropriate. Managing the timber in this manner continues to provide for both early and late successional wildlife habitat. Appling proper Best Management Practices (BMP's) during timber harvests and road work ensures water quality protection. Aspen is the dominant cover type within this compartment and surrounding landscape. For this entry period a clearcut in a mixed aspen and jack pine type will be prescribed.

Soil and topography:

Soil associations within this compartment include Grayling, Kalkaska-Carbondale-Deford (KCD), Rubicon-Keweenaw (RK), and Sagola-Rubicon (SR). These soils are very deep and range from very poorly drained muck to excessively drained sandy soils, with some well drained fine sandy loam included as well. The Grayling Association is located in the northern portion of this compartment and extends to the north and east. Soil quality improves moving south through the compartment. Topography ranges from fairly level in the north to gently undulating and very hilly progressing south. This compartment is on the southwest edge of a larger sandy outwash plain.

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

Ownership is predominantly state with small private parcels scattered throughout. The Michigan Northwoods Club is located approximately a mile to the north. Land use is in both timber production and recreation. Camps exist on the majority of the private parcels and are primarily used for hunting and fishing.

Unique Natural Features:

Potential for red-shouldered hawk and goshawk. Potential for osprey, eagle,

and great blue heron rookery. Potential for moose and wolf. Potential for wood turtle in Camp 11 Creek. Potential for northern blue in openings in jack pine stands if dwarf bilberry is present. Potential for dwarf bilberry, wild oat grass, and Canada rice-grass in grassy openings and in clearings in jack pine. Potential for auricled tway-blade and linear-leaved gentian along riparian areas. Potential for Farwell's water-milfoil and alternate-leaved water-milfoil in shallow lakes. Potential for Assinboia sedge, male fern, and goblin moonwort in mature northern hardwoods.

Archeological, Historical, and Cultural Features:

A portion of the abandoned ELF ROW is on the northern border of this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains Camp Eleven Creek and headwater areas of Big Brook. Camp Eleven Creek is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 62.2 °F (cold stream). Big Brook is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 58.5 °F (cold stream). 300' buffers are recommended for Camp Eleven Creek and Big Brook in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 269 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and

soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. No active sand/gravel pits occur in the area. There is good potential for sand & gravel in the compartment on the uplands. There is no known potential for metallic minerals beneath the compartment. However, little information is available, and there is some history of metallic mineral leasing in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Kates Grade, the Camp Eleven Truck Trail and Tower Road provide the main access to this compartment. Several woods roads branch off of these providing internal access.

Survey Needs:

No survey needs exist for this YOE.

Recreational Facilities and Opportunities:

No recreational facilities exist nor is there any opportunity for development.

Fire Protection:

This compartment is on the border of southern Marquette County and northern Dickinson County. The northern edge of the compartment is on the southern edge of a large sandy outwash plain dominated by jack pine and a large wildlife opening, aka the Bryan Creek Opening Complex, while the south is dominated by northern hardwood and aspen. There are adequate water sources throughout the area as well as adequate road access for fire suppression activities.

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

Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

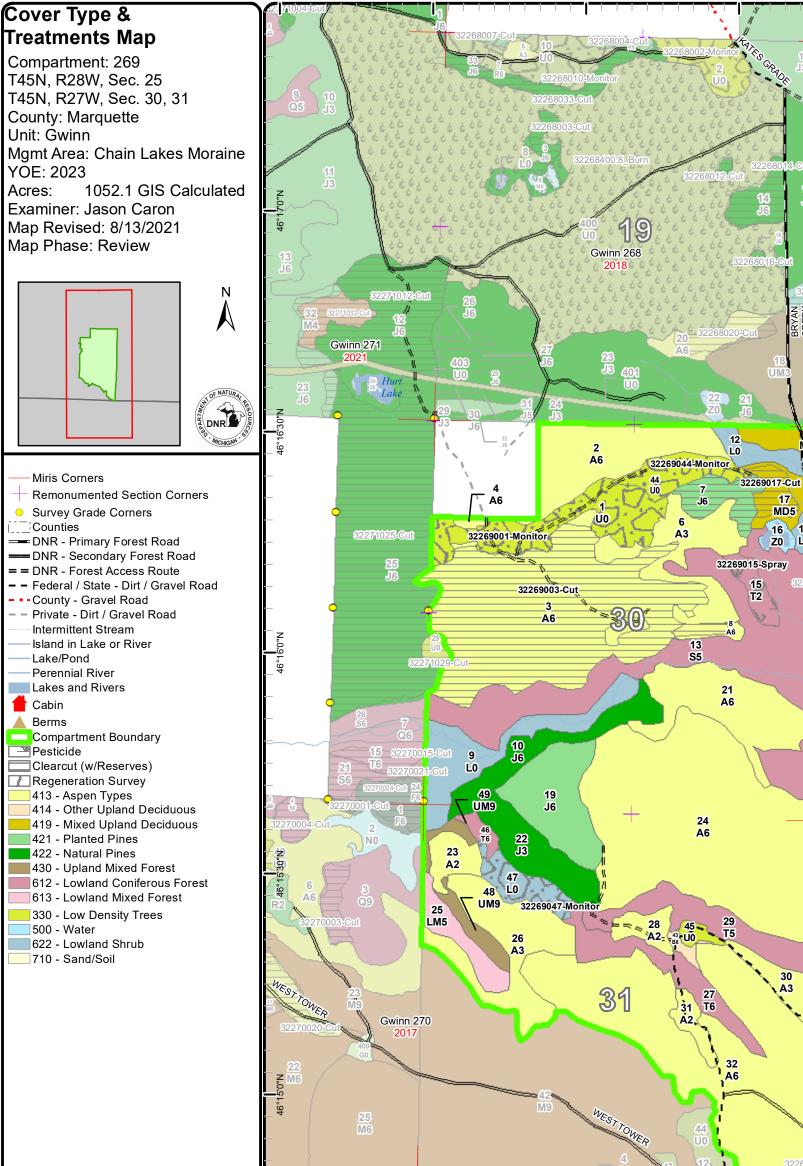
Jason Caron : Examiner

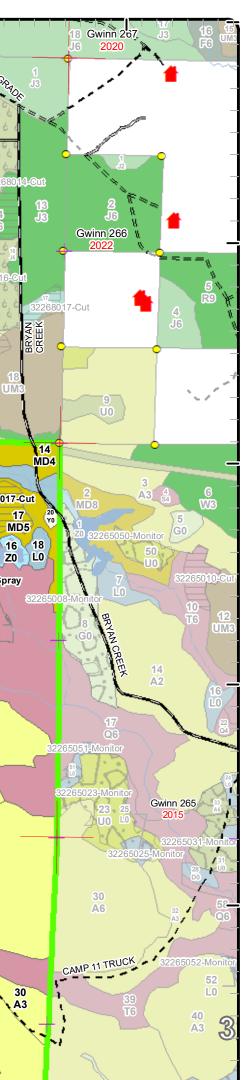
Compartment 269 Year of Entry 2023



Age Class

	+oc	KO C	°3 (4	61 ×		8 \$	\$ \$	3	S K	\$ \$	B S	8 5	⁷ a ⁷	€. 	£	93. 15	200 - 27 200	St Jrest	Loto
Aspen	0	23	40	40	300	185	0	0	0	0	42	0	0	0	0	0	0	0	630
Jack Pine	0	0	23	33	0	0	13	0	0	22	0	0	0	0	0	0	0	0	90
Low-Density Trees	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Lowland Shrub	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	110	0	0	0	0	0	110
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	25
Paper Birch	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Famarack	0	0	7	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	56
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Fotal	115	23	70	73	300	185	13	0	25	22	115	0	110	0	0	0	0	0	1049





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17

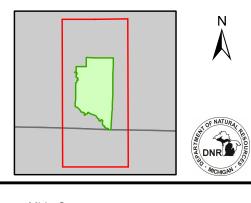
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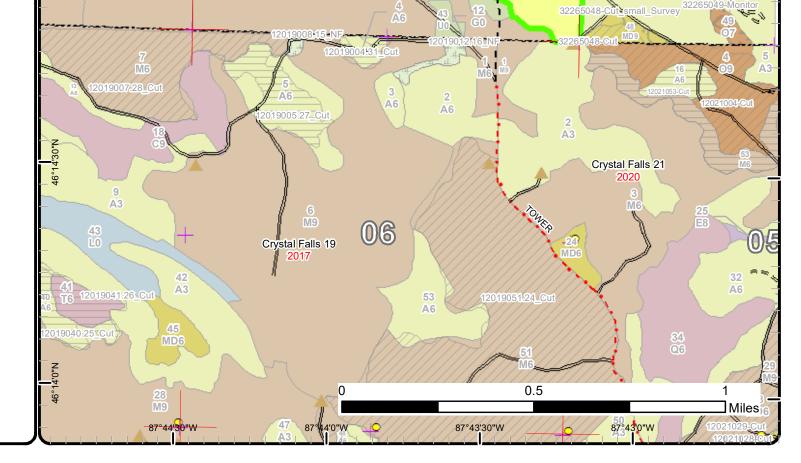
Compartment: 269

T45N, R28W, Sec. 25 T45N, R27W, Sec. 30, 31 County: Marquette Unit: Gwinn Mgmt Area: Chain Lakes Moraine YOE: 2023 Acres: Examiner: Jason Caron Map Revised: 8/13/2021 Map Phase: Review



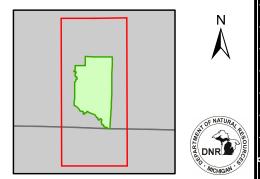
Remonumented Section Corners Survey Grade Corners 0 Counties DNR - Primary Forest Road DNR - Secondary Forest Road = = DNR - Forest Access Route - - Federal / State - Dirt / Gravel Road - - County - Gravel Road - - Private - Dirt / Gravel Road Intermittent Stream Island in Lake or River Lake/Pond Perennial River Lakes and Rivers Cabin Berms Compartment Boundary Pesticide Clearcut (w/Reserves) Regeneration Survey 413 - Aspen Types 414 - Other Upland Deciduous 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest

- 330 Low Density Trees
- 500 Water
- 622 Lowland Shrub
- 710 Sand/Soil

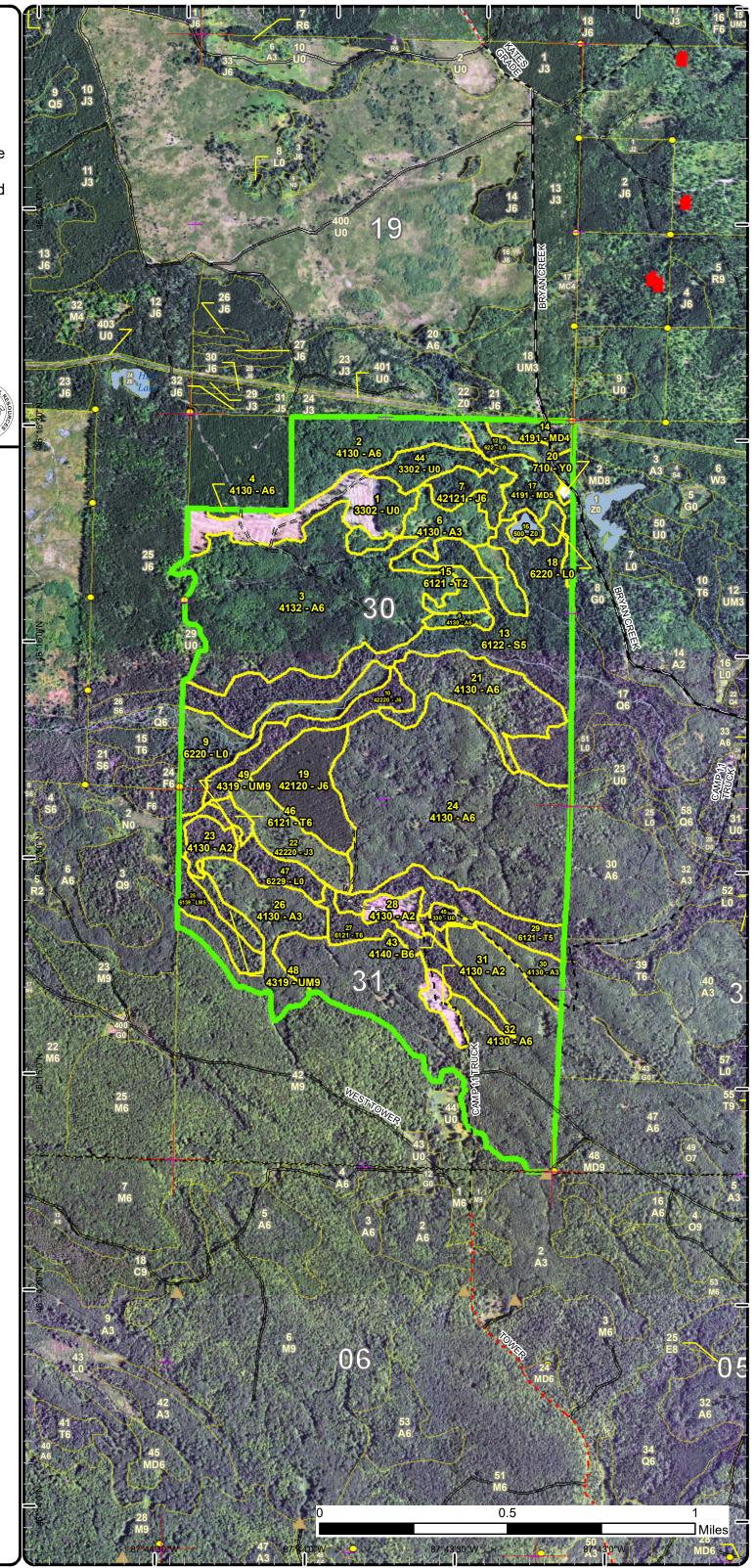


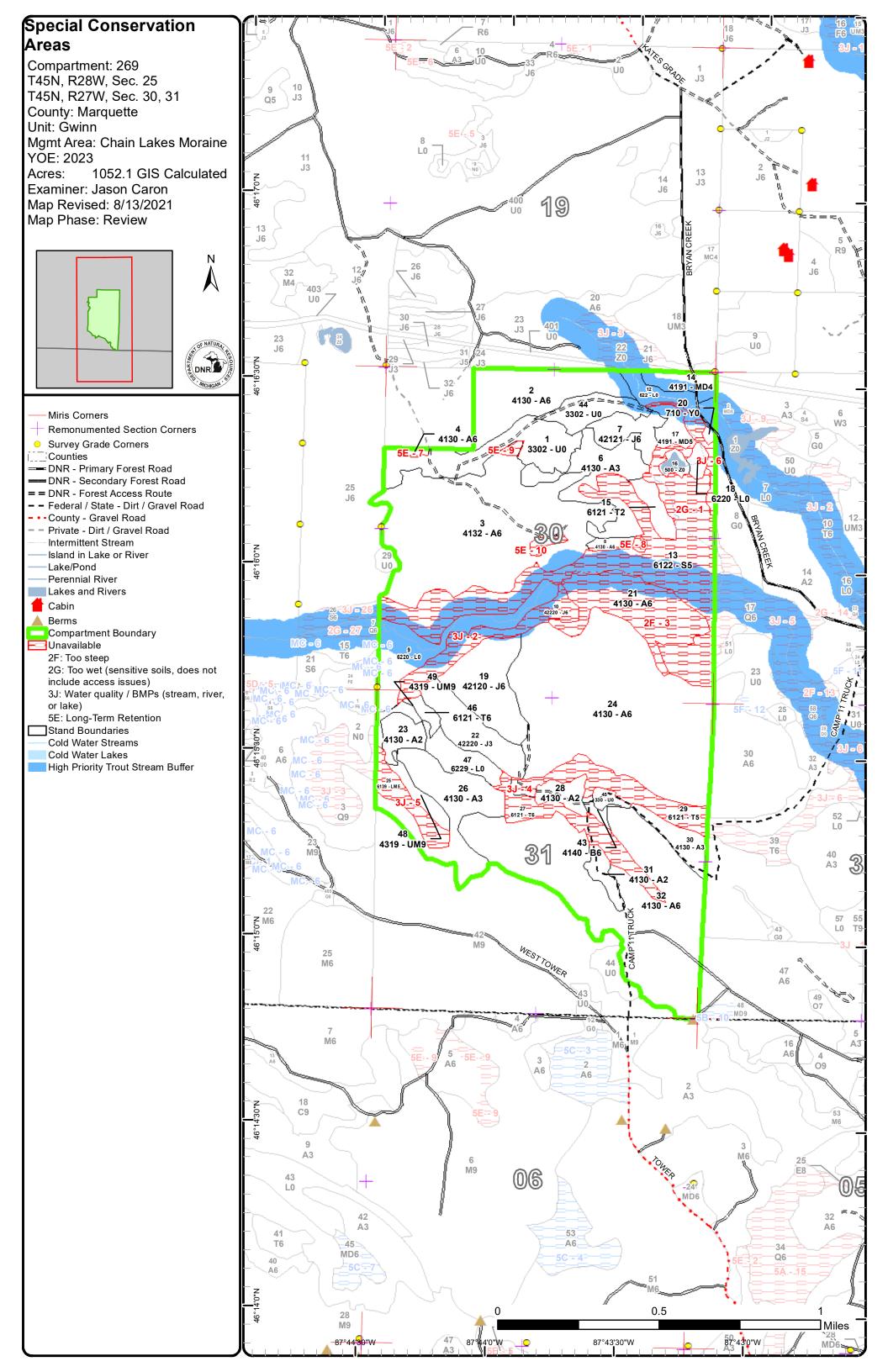
Stand Boundary Map

Compartment: 269 T45N, R28W, Sec. 25 T45N, R27W, Sec. 30, 31 County: Marquette Unit: Gwinn Mgmt Area: Chain Lakes Moraine YOE: 2023 Acres: 1052.1 GIS Calculated Examiner: Jason Caron Map Revised: 8/13/2021 Map Phase: Review



Miris Corners +Remonumented Section Corners Survey Grade Corners 0 Counties DNR - Primary Forest Road
 DNR - Secondary Forest Road = = DNR - Forest Access Route Federal / State - Dirt / Gravel Road
 County - Gravel Road
 Private - Dirt / Gravel Road Intermittent Stream Island in Lake or River Lake/Pond Perennial River Lakes and Rivers Cabin Berms Compartment Boundary Stand Boundaries 413 - Aspen Types 413 - Aspen Types
414 - Other Upland Deciduous
419 - Mixed Upland Deciduous
421 - Planted Pines
422 - Natural Pines 430 - Upland Mixed Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 710 - Sand/Soil







MICHIGAN	Gwinn Mgt. Unit		Compartment 269	
	Year of Entry: 2023	Acres of Harvest	Total Compartment Acres: 1,05	
		Commercial Harvest - 157		
		Harvests with Site Condition - 0		
		Next Step Harvest - 0		
		Habitat Cut - 0		

Cover Type by Harvest Method

			Constraints	Contraction of the second	TO O	BUL BO	Control of	Contraction of the second	Republic C	No. Starting	Stop Jog	and the second s
Aspen		137	0	0	0	0	0	0	0	0	137	[
Jack Pine		13	0	0	0	0	0	0	0	0	13	
Mixed Upland Deciduous		7	0	0	0	0	0	0	0	0	7	
	Total	157	0	0	0	0	0	0	0	0	157	

Proposed and Next Step Treatments by Method

		/.	C. C.	and and a second	in contraction of the second	and a start of the	in co	N. CONCO	Silvin	No No	(° /)	2. Contraction of the second s
Current		157	0	0	0	0	7	62	0	0	226	
Next Step		0	157	157	169	0	157	164	0	0	803	
	Total	157	157	157	169	0	164	226	0	0	1029	

S t		Gwin	n Mgt. Unit		Repo	rt 3	Treatments	S	Compartmen Year of Entry		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habi Cu
pose 3	ed Treatme		4132 - Aspen, Jack		er 47	81-110	Harvest	Clearcut with	4212 - Planted	Even-Aged	N
Pres Spec		cut with res	Pine serves. Treatment bo	Well oundary ad	justed f	or Long T	erm Retention	Retention . Do not cut oak if it e	Jack Pine exists within the st	tand.	
Next		ing, Machin	e Seed; Pesticide,	Skidder -	Site Pre	p; Plant	ing, Initial Plar	nt; SitePrep, Trenchi	ng; Monitoring, J	Artificial Rege	n(1yr)
Acce Rege	eptable_Jack en:	Pine									
<u>Othe</u> <u>Com</u>	er Rege iment:	nerate to ja	ck pine either with h	and plantir	ng or se	eding. Mo	onitor after har	vest to see if herbicid	e is necessary.		
	Condition	<u>te:</u> 10/1 /20	022								
7	32269007-Cu	ı t 12.9	42121 - Planted Jack Pine, Mixed Deciduous	Poletimbe Well	er 51	51-80	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	١
Pres Spec		cut with res	erves. Red line out	a patch of	the pare	ent stand	to meet retent	ion guidelines. Also, d	do not harvest oal	k, if it exists.	
Next		cide, Skidde	er - Site Prep; Site	Prep, Tren	ching;	Planting,	Initial Plant; I	Monitoring, Artificial F	tegen(1yr); Seed	ding, Machine	Seed
Acce Rege	eptable Jack	Pine.									
Othe		nerate to ja	ck pine either with h	nand plantir	ng or se	eding. Mo	onitor after har	vest to see if herbicid	e is necessary.		
<u>Site</u>	Condition										
<u>Prop</u>	osed Start Da	<u>te:</u> 10/1 /20	022								
15 Dree	32269015- Spray		6121 - Tamarack	Sapling Medium	1	Immatu re		Hand Application	Mixed Forest	Even-Aged	٩
Spec	cs: treatr	nent plan.	e patch of invasive	Phragmites	s that cu	irrentiy ex	asts within the	stand. CISMA coordi	nator Elise Desja	riais is coordir	ating a
	46.27	Coord: 70164 23539									
	<u>Step</u> Moni tments:	toring, Herb	icide Use								
<u>Acce</u> <u>Reg</u> e	eptable_ en:										
<u>Othe</u> Com	er iment:										
<u>Site</u>	Condition										
Prop	osed Start Da	<u>te:</u> 8/16/20	021								

S t		Gw	inn Mgt. Unit	F	Repoi	rt 3 1	Freatments	8	Compartmen Year of Entry		DRR BATURA
a n d	Treatmen Name	Acres	Stand CoverType		Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
17	32269017-	Cut 7.2	2 4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	70	51-80	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
<u>Pres</u> Spe	•		eserves. Treatment k oak, if it exists.	ooundary was	reduc	ed to excl	ude wetland b	ouffers and steep terra	ain. This will serve	e as the reten	tion. Also,
	<u>t Step</u> Per atments:	sticide, Skid	lder - Site Prep; Site	ePrep, Trencl	ning;	Planting, I	nitial Plant; I	Monitoring, Artificial F	Regen(1yr); Seec	ling, Machine	Seed
<u>Acc</u> Reg		k Pine									
<u>Othe</u> <u>Con</u>	<u>er</u> Re nment:	generate to	jack pine either with	hand planting	g or se	eding. Mo	nitor after har	vest to see if herbicid	e is necessary.		
<u>Site</u>	Condition										
Prop	bosed Start E	0 <u>ate:</u> 10/1 /	/2022								
44	3226904 Monitor		9 3302 - Low Density Conifer Trees	/ Nonstocke	d 0	Unspec ified	Monitoring	Artificial Regen(1yr)	4211 - Planted Red Pine	Even-Aged	No
Pres Spe		nd was spra		esults. Most c	of the p	lanted rec	l pine is being	outcompeted. Condu	uct a regen survey	to see if star	nd needs
Nex	t Step atments:										
<u>Acc</u> Reg	<u>eptable</u> Jao Jen:	k pine & Re	ed pine.								
<u>Othe</u> Com	<u>er</u> nment:										
<u>Site</u>	Condition										
<u>Prop</u>	bosed Start E	0ate: 10/1 /	/2022								
47	3226904 Monitor		1 6229 - Mixed lowland shrub	Nonstocke	d 0	Unspec ified	Monitoring	Natural Regen (Intermediate)	6139 - Mixed Lowland Forest	Even-Aged	No
<u>Pres</u> Spe		nitor to see	how the stand is reg	enerating.							
	<u>t Step</u> Se atments:	eding, Mach	nine Seed								
<u>Acc</u> Reg	<u>eptable</u> tan <u>ien:</u>	arack, blac	k spruce								
<u>Othe</u> <u>Con</u>	<u>er</u> nment:										
<u>Site</u>	Condition										
Prop	bosed Start E	0ate: 10/1 /	/2022								

Approved Treatments:

1	32269001- Monitor	35.5 3302 - Low Density Nonstor Conifer Trees	ed 0 Unspec ified	Monitoring	Artificial Regen(3yr)	4222 - Natural Jack Pine	Even-Aged	No
	escription Count Jack becs:	< Pine						
	ext Step_ eatments:							
	cceptable_Jack Pine							
	<u>her</u> omment:							
<u>Si</u>	te Condition							
P	oposed Start Date: 1	0/1 /2022						

S t		Gwinn	Mgt. Unit		Repor	rt3	Treatments		Compartme Year of Ent		OF NATURAL PRODUCT
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

Total Treatment Acreage Proposed: 225.6

Jason Caron : Examiner

Compartment: 269 Year of Entry: 2023

Availability for Management

Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition
Acres	Available	With Condition	Not Available		2F	2G	3J	5E
631	583	0	49	Aspen	42			7
90	68	0	22	Jack Pine			22	
53	52	0	0	Low-Density Trees				0
12	0	0	12	Lowland Mixed Forest			12	
57	57	0	0	Lowland Shrub				
110	0	0	110	Lowland Spruce/Fir		110		
26	16	0	9	Mixed Upland Deciduous			9	
2	2	0	0	Paper Birch				
1	1	0	0	Sand, Soil				
57	11	0	46	Tamarack			46	
10	10	0	0	Upland Mixed Forest				
4	4	0	0	Water				
1,052	804		248	Total Forested Acres	42	110	89	7
	76%		24%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	110	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	2F: Too steep	42	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Very steep terrain. N	Nay be able to cut a small po	tion of the	southern portion of the s	tand when stand 24 to the	south is prescribed.	

		Gwinn Mgt. Unit Caron : Examiner		Report 4 – Site Con	ditions	Compartment: 269 Year of Entry: 2023		
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	46	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Feeder streams of	the Camp 11 creek flow throug	n these st	ands.				
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Feeder stream of th	ne Camp 11 creek flows throug	n this star	nd.				
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2F: Too steep	Unspecified	Unspecified	Unspecified	
	Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							

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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 A				

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservatio Area	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 conditions stocked trout populations and those of other coldwater fish spect conditions for coldwater fishes may occur in Michigan lakes if th groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies 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 spec 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.	ies (e.g., slimy sculpin) to persist from ese 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 th streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effe as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well

Report 7 – Stands

Compartment: 269

Year of Entry: 2023



Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
1	3302 - Low Der	asity Conifer	Trees	Nonsto	ocked	35.6	0	Unspecified	4222 - Natural 、	Jack Pine	Cut in the summer of 2016 by Lafleur Forest Products LLC. under 32-117 13-01 Bryan Opening Jack Pine. Under FTP C32-823. Site was trenched in 2017 for cost info see FTP 269. Site was planted in 2018 Regen count showed a a failed planting with 300-400 Trees per acre remaining in many areas. Stand was replanted in the spring of 2019. Stand has passed a regeneration walkthrough.
2	4130	- Aspen		Poletimb	er Well	41.1	47	1-50	N/A		Stand was commercially clearcut in 1974 by Earl St. John, permit #T-72
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	and followed up by a noncommercial KG dozer shearing of residual trees
	Quaking Aspen	30	Pole	7			nite Pine	Low	Variable	Sapling	by Wildlife Division (mostly smaller red maple) in May/June 1975 (see FTP W3-547, or forestry no. 136-V-22). Red pine remnant trees are
	Bigtooth Aspen	56	Pole	7	47	R	ed Pine	Low	5 - 10 feet	Sapling	scattered throughout the stand. Red and white pine saplings and poles
	White Pine	2	Pole	6							are scattered throughout the stand as well. Jack pine occurs as individua
	Red Pine	2	Log/Pole	12							trees and also as scattered pockets.2021 Inventory - With the amount of aspen being harvested within the compartment in this YOE I am going
	Jack Pine	10	Pole	8							to hold this stand as it is still healthy and viable. Most of the aspen is big tooth and it is holding up well despite it's age.
3	4132 - Asp	en, Jack Pii	ne	Poletimb	er Well	138.6	47	81-110	N/A		Stand was commercially clearcut in 1974 by Earl St. John, permit #T-72
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	and followed up by a noncommercial KG dozer shearing of residual trees by Wildlife Division (mostly smaller red maple) in May/June 1975 (see
	Quaking Aspen	35	Pole	8	47		Isam Fir	Low	5 - 10 feet	Sapling	FTP W3-547, or forestry no. 136-V-22). Aspen quality and diameter
	Bigtooth Aspen	35	Pole	8		Whi	te Spruce	Low	< 5 feet	Sapling	varies throughout the stand. Some locations the aspen is very poor
	Jack Pine	30	Pole	7		Wł	nite Pine	Low	< 5 feet	Sapling	quality while other areas the aspen is larger diameter and looks good. Jack pine exists throughout the stand in pockets and is in poor condition
									1	1	with individual tree mortality.
4	4130	- Aspen		Poletimb	er Well	1.3	47	51-80	N/A		Small stand of aspen that was left for long term retention. Aspen is in good condition.
	Canopy Species	% Cover	Size Class	DBH	Age						good contaition.
	Quaking Aspen	25	Pole	7							
	Bigtooth Aspen	75	Pole	7	47						
6	4130	- Aspen		Sapling	Well	29.4	18		N/A		Stand harvested in Dec. 2003 by Roy Nelson, Jr (Camp 11 Creek Sale)
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	#32-123-03-01. All oak, cherry, red and white pine and spruce less than 2 sticks were left. Stand contains fully stocked healthy aspen.
	Quaking Aspen	55	Sapling	3	18	Ba	lsam Fir	Low	Variable	Sapling	
	Bigtooth Aspen	35	Sapling	3							
	Balsam Fir	5	Sapling	3							
	White Spruce	5	Sapling	2							
7	42121 - Planted Dec	Jack Pine, iduous	Mixed	Poletimb	er Well	13.0	51	51-80	N/A		Majority of this stand was planted and/or seeded in May 1970 (see planting form #126). Jack pine is starting to decline due to age. Aspen is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	in decent condition.
	Quaking Aspen	10	Pole	8		Ba	lsam Fir	Low	< 5 feet	Sapling	
	Bigtooth Aspen	10	Pole	6		Wł	nite Pine	Low	5 - 10 feet	Sapling	
	White Pine	2	Log	10		R	ed Pine	Low	5 - 10 feet	Sapling	
	Jack Pine	78	Pole	9	51						

Report 7 – Stands

Compartment: 269 Year of Entry: 2023 DNR MCHIGAN

Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
8	4130	- Aspen	F	Poletimb	er Well	4.4	47	81-110	N/A		Stand was commercially clearcut in 1974 by Earl St. John, permit #T-72
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	and followed up by a noncommercial KG dozer shearing of residual tree by Wildlife Division (mostly smaller red maple) in May/June 1975 (see
	Quaking Aspen	55	Pole	8	47	Bal	sam Fir	Low	5 - 10 feet	Sapling	FTP W3-547, or forestry no. 136-V-22). Aspen quality and diameter
	Bigtooth Aspen	35	Pole	8		Whit	e Spruce	Low	< 5 feet Sapling	varies throughout the stand. Some locations the aspen is very poor	
	Jack Pine	10	Pole	7		Wh	ite Pine	Low	< 5 feet	Sapling	quality while other areas the aspen is larger diameter and looks good. Jack pine is in poor condition with individual tree mortality.
9	6220 - A	lder/willow		Nonsto	ocked	30.7			No		Lowland brush with scattered lowland conifer trees. Camp 11 Creek flo through this stand.
10	42220 - Nat	ural Jack P	ine F	Poletimb	er Well	21.8	85	111-140	N/A		Stand is part of a corridor along the Camp 11 creek.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Pole	1		Bal	sam Fir	Medium	5 - 10 feet	Sapling	
	White Spruce	10	Log/Pole	10							-
	Black Spruce	10	Pole	6							
	Jack Pine	75	Log/Pole	12	85						
12	622 - Low	/land Shrub		Nonsto	ocked	11.0			No		Lowland brush with a few trees along a small creek that flows into the Camp 11 creek.
13	6122 - Bl	ack Spruce	Po	oletimbe	. Mediun	n 109.7	116	81-110	N/A		Stand is part of a corridor along the Camp 11 creek and contains
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	numerous feeder streams throughout. Overall the stand is in poor shar due to age and wet ground conditions. The majority of the mature blac
	Black Spruce	60	Pole/Sapling	9 6	116	Blac	k Spruce	Low	5 - 10 feet	Sapling	spruce is in poor condition. Pockets of cedar exist within the stand. Ta
Nc	orthern White Cedar	10	Log/Pole	10		Та	g Alder	Low	< 5 feet	Tall Shrub	alder, fir, and red maple dominate the understory.
	Tamarack	30	Pole/Log	7		Bal	sam Fir	Medium	Variable	Sapling	
						Red	d Maple	Medium	Variable	Sapling	
14	4191 - Mixed Upla Co	and Deciduo nifer	ous with F	Poletimb	er Poor	9.2	70	1-50	N/A		Very sparse stand on a hillside.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	50	Pole	8	70	Red	d Maple	Low	< 5 feet	Sapling	
	Red Oak	10	Log/Pole	10							-
	Balsam Fir	5	Pole/Sapling	9 6							
	Red Pine	5	Log/Pole	12							
	Jack Pine	30	Pole	8							
15	6121 - 7	Famarack	ç	Sapling I	Nedium	7.4	18	Immature	N/A		Stand harvested in Dec. 2003 by Roy Nelson, Jr (Camp 11 Creek Sale 182-123-03-01. Stand contains very low ground with flowing water
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	existing within the middle of it. Tamarack is starting to fill in. Scattered
	Tamarack	90	Sapling	2	18	Blac	k Spruce	Low	< 5 feet	Sapling	black spruce regeneration exists but overall the dominant regeneration
	Black Spruce	10	Sapling	1							tamarack.
16	500 -	Water		Nonsto	ocked	3.6	U	Inspecified	No		Unique shallow pond. Small stream flowing into it from the West side.

Report 7 – Stands

Compartment: 269 Year of Entry: 2023 DRR MATURAL PRODUCT

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
17	4191 - Mixed Upla Co	and Decidu onifer	ious with Po	letimbe	r Mediu	m 16.3	70	51-80	N/A		Very mixed stand with variable density throughout. Some areas are vo of trees. The east part of the stand is a north south ridge that is very
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	steep on both sides.
	Red Maple	35	Pole	8	70	R	ed Maple	Low	< 5 feet	Sapling	
	Paper Birch	30	Log/Pole	12		Ba	alsam Fir	Medium	5 - 10 feet	Sapling	
	Quaking Aspen	15	Log/Pole	10		Wh	ite Spruce	Low	5 - 10 feet	Sapling	-
	Jack Pine	10	Log	10							-
	White Pine	10	Log/Pole	12							
18	6220 - A	Alder/willow		Nonsto	ocked	3.3		Unspecified	No		Small creek flows through this stand and into adjacent pond which eventually drains into Camp 11 Creek.
19	42120 - Plai	nted Jack F	Pine F	Poletimb		32.5	26	Unspecified	N/A		Stand was harvested in 1994 by DeShambo Forest Prod. permit #2-93 Stand was then herbicided, trenched and handplanted (FTP C31-03-99
	Canopy Species		Size Class		l Age						Stand is just starting to grow into the pole sized class. Some individua
	Jack Pine	100	Pole	6	26						tree damage exists due to the heavy snow from 2019.
20	710 - S	Sand, Soil		Nonsto	ocked	1.0			No		Kate's Grade Gravel Pit.
	4130 - Aspen										
21	4130	- Aspen	F	Poletimb	er Well	41.9	93	81-110	N/A		
21	4130 Canopy Species	•	F Size Class		er Well I Age		93 anopy Specie		N/A Avg. Height	Size	are part of the Camp 11 Creek watershed. The hill sides are quite stee
21		•			r	Sub-Ca				Size Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species	% Cover	Size Class	DBH	r	Sub-Ca Ba	anopy Specie	s Density	Avg. Height		are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve
21	Canopy Species Red Maple	• Cover	Size Class	DBH 8 10 14	r	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen	% Cover 5 24 35 25	Size Class Pole Pole/Log	DBH 8 10 14 14	I Age	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species Red Maple Paper Birch Quaking Aspen	% Cover 5 24 35	Size Class Pole Pole/Log Log	DBH 8 10 14	I Age	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	
21	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce	% Cover 5 24 35 25 2 2 2 2 2 2 2 2 2	Size Class Pole Pole/Log Log	DBH 8 10 14 14 7 12	I Age	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine	Cover 5 24 35 25 2 2 2 2 2 2 2 2 2 2	Size Class Pole Pole/Log Log Pole Log Log	DBH 8 10 14 14 7 12 16	I Age	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce	% Cover 5 24 35 25 2 2 2 2 2 2 2 2 2	Size Class Pole Pole/Log Log Pole Log	DBH 8 10 14 14 7 12	I Age	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
21	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine	 Cover 5 24 35 25 2 2 2 2 5 	Size Class Pole Pole/Log Log Pole Log Log Log	DBH 8 10 14 14 12 16 10	93 93 Well	Sub-Ca Ba	anopy Specie alsam Fir	S Density High	Avg. Height 10 - 20 feet	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak.
	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine Jack Pine	Cover 5 24 35 25 2 2 2 2 5	Size Class Pole Pole/Log Log Pole Log Log Log	DBH 8 10 14 14 12 16 10	93	Sub-Ca Ba Wh	anopy Specie alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm
	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine Jack Pine 42220 - Nat	Cover 5 24 35 25 2 2 2 2 5	Size Class Pole Pole/Log Log Dole Log Log Log/Pole Dine Size Class Sapling	DBH 8 10 14 7 12 16 10 Sapling DBH 3	93 93 Well	Sub-Ca Ba Wh	anopy Specie alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak. Stand was herbicided, trenched and seeded to jack pine. Seeding took place in June 2009. Scattered pockets of fir throughout the stand. Star is well established and healthy. 2021 Inventory - Stand was hit hard by the heavy snows of 2020. A fai
	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir Balsam Fir White Spruce White Pine Jack Pine 42220 - Nat Canopy Species	Cover 5 24 35 25 2 2 2 2 5	 Size Class Pole Pole/Log Log Log Log Log Log Log 	DBH 8 10 14 7 12 16 10 Sapling DBH	93 93 93 93 93	Sub-Ca Ba Wh	anopy Specie alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak. Stand was herbicided, trenched and seeded to jack pine. Seeding took place in June 2009. Scattered pockets of fir throughout the stand. Star is well established and healthy. 2021 Inventory - Stand was hit hard by the heavy snows of 2020. A fai amount of tree damage within the stand with bent over trees and broke
	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Spruce White Pine Jack Pine A2220 - Nat Canopy Species Jack Pine	Cover 5 24 35 25 2 2 2 2 5	Size Class Pole Pole/Log Log Dole Log Log Log/Pole Dine Size Class Sapling	DBH 8 10 14 7 12 16 10 Sapling DBH 3	93 93 93 93 93	Sub-Ca Ba Wh	anopy Specie alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak. Stand was herbicided, trenched and seeded to jack pine. Seeding tool place in June 2009. Scattered pockets of fir throughout the stand. Star is well established and healthy. 2021 Inventory - Stand was hit hard by the heavy snows of 2020. A fai
	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine Jack Pine 42220 - Nat Canopy Species Jack Pine Quaking Aspen Balsam Fir	Cover 5 24 35 25 2 2 2 2 5	Size Class Pole Pole/Log Log Log Log Log/Pole Cog/Pole Size Class Sapling Sapling	DBH 8 10 14 7 12 16 10 Sapling DBH 3 2	93 93 93 93 93 93 93 93 94 11	Sub-Ca Ba Wh 22.9	anopy Specie alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak. Stand was herbicided, trenched and seeded to jack pine. Seeding took place in June 2009. Scattered pockets of fir throughout the stand. Star is well established and healthy. 2021 Inventory - Stand was hit hard by the heavy snows of 2020. A fair amount of tree damage within the stand with bent over trees and broke branches. Stand was cut in the winter of 2017 under TS # 106-13. Stand has
22	Canopy Species Red Maple Paper Birch Quaking Aspen Bigtooth Aspen Balsam Fir White Spruce White Pine Jack Pine 42220 - Nat Canopy Species Jack Pine Quaking Aspen Balsam Fir	% Cover 5 24 35 25 2 2 2 2 2 5	Size Class Pole Pole/Log Log Log Log Log/Pole Cine Size Class Sapling Sapling	DBH 8 10 14 14 12 16 10 Sapling DBH 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 Sapling	93 93 93 93 93 93 93 93 94 11	Sub-Ca Ba Wh 22.9	anopy Specier alsam Fir ite Spruce	s Density High Low	Avg. Height 10 - 20 feet Variable N/A	Sapling	are part of the Camp 11 Creek watershed. The hill sides are quite stee (>45%) and the ridges are very narrow. Paper birch and aspen is in ve poor condition due to age and fir is nearly dead due to the budworm outbreak. Stand was herbicided, trenched and seeded to jack pine. Seeding took place in June 2009. Scattered pockets of fir throughout the stand. Star is well established and healthy. 2021 Inventory - Stand was hit hard by the heavy snows of 2020. A fai amount of tree damage within the stand with bent over trees and broke branches.

Report 7 – Stands

Compartment: 269

Year of Entry: 2023



Stand	Level 4 Co	over Type	c	Size De	nsity	Acres	Stand Age B	A Range	Managed	Sito	General Comments
								•			
24		- Aspen	P		er Well	163.5	35	1-50	N/A		Stand harvested between 1980-1986 first by Lowell White and later by Mark Johnson under permit #8-78. All oak, red and white pine, and
	Canopy Species	% Cover			l Age		nopy Species	Density	Avg. Height	Size	spruce were left. Stand has grown into the pole class. Fir is in very poor
	Quaking Aspen	55	Pole/Sapling	6	35		llsam Fir	Low	5 - 10 feet	Sapling	condition due to the budworm outbreak and will soon fall out of the stand
	Bigtooth Aspen	38	Pole/Sapling	6			nite Pine	Low	< 5 feet	Sapling	due to it's current condition. A few pockets of jack pine exist within the stand but have been damaged by the heavy snows in the winter of 2019.
	Balsam Fir	5	Pole/Sapling	5		R	ed Pine	Low	< 5 feet	Sapling	stand but have been damaged by the neavy shows in the winter of 2013.
	Jack Pine	2	Pole/Sapling	6		Ja	ick Pine	Low	5 - 10 feet	Sapling	
25	6139 - Mixed	Lowland Fo	orest Pole	etimbe	r Medium	n 12.2	94	51-80	N/A		Mixed lowland forest. Tamarack, spruce, white birch, aspen, fir and ash.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	A creek flows east to west in this stand that eventually enters Camp 11 creek.
	Paper Birch	30	Log/Pole	10	94	Ba	llsam Fir	Low	< 5 feet	Sapling	
	Quaking Aspen	15	Log	14		Blac	ck Spruce	Low	5 - 10 feet	Sapling	
	Balsam Fir	20	Pole	6		BI	ack Ash	Medium	10 - 20 feet	Sapling	
	White Spruce	10	Log	12		Hazelr	nut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	Tamarack	15	Log/Pole	10		Lea	therwood	Low	< 5 feet	Tall Shrub	
	Black Ash	10	Pole/Sapling	6							1
26	4130 -	- Aspen	:	Sapling	g Well	40.3	27 I	mmature	N/A		Stand harvested in 1994 by DeShambo Forest Products, permit #2-93.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Birch seed trees were left as well as all oak, red and white pine). No significant birch regen. was found in Oct. 2001. Some lower stocking in
	Quaking Aspen	67	Sapling	4	27	Ba	llsam Fir	Low	< 5 feet	Sapling	areas that had been heavy to birch. In 2011 some birch regen was found
	Bigtooth Aspen	20	Sapling	4		Whi	te Spruce	Low	< 5 feet	Sapling	along the border of the upland hardwood stand. Very little regeneration i
	Balsam Poplar	5	Sapling/Pole	5		Lea	therwood	Low	< 5 feet	Tall Shrub	present where birch stocking was heavier before the cut. These pockets amount to 15-20% of the stand and have scattered spruce fir in them.
	Balsam Fir	5	Pole/Sapling	6		Pi	n Cherry	Low	< 5 feet	Sapling	They are in the west, center, and east parts of the stand. The 2009
	White Spruce	3	Pole/Sapling	6							imagery clearly shows these spots.
27	6121 - T	Famarack	P	oletimt	er Well	21.0	94	111-140	N/A		This is a mixed stand of tamarack, spruce-fir, aspen and birch. The
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen and birch are primarily along the edges where it transitions to upland. There is a pocket of cedar in the middle of this stand. This stand
	Paper Birch	10	Pole/Log	8		Ba	llsam Fir	High	10 - 20 feet	Sapling	is very wet with an underground creek on the east end of the stand.
	Quaking Aspen	15	Log	12		Та	ag Alder	Medium	< 5 feet	Tall Shrub	
	Balsam Fir	5	Pole	6							1
	White Spruce	5	Pole/Log	8							
	Black Spruce	5	Pole	6							
No	rthern White Cedar	10	Log/Pole	10							
	Tamarack	50	Log/Pole	10	94						
	4400	Aspen	¢,	onling	Medium	7.8	5 I	mmature	N/A		This stand was harvested under Camp 11 High Low sale 32-106-13-01.
28	4130 -	Азреп	0	apling	vieulum	1.0	5 1	mataro	14/74		
28	Canopy Species	•	Size Class		Age	1.0	5 1		10,7 (Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand is regenerating back to aspen and should be fully stocked b

Report 7 – Stands

Compartment: 269

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Year of E	Entry:	2023

Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
29	6121 -	Tamarack	Pole	etimbei	^r Medium	25.4	94	81-110	N/A		Narrow stand of tamarack and black spruce. There is a small feeder
	Canopy Species Balsam Poplar	% Cover	Size Class Pole	DBH 6	Age	Sub-Canopy Species Density Balsam Fir Low		-	Avg. Height < 5 feet	Size Sapling	creek that flows west to east through this stand ending in the Camp 11 creek. Pockets of dead tamarack now exist within the stand. A heavy understory of tag alder exists throughout most of the stand.
	Black Spruce	20	Pole	7			k Spruce	Low	5 - 10 feet	Sapling	
	Tamarack	70	Log/Pole	12	94		g Alder	High	< 5 feet	Tall Shrub	
30	4130	- Aspen		Sapling	g Well	10.8	18	Immature	N/A		Stand harvested October 2003 by St. John Forest Products, #32-124-03-
	Canopy Species	% Cover	Size Class	DBH	Age						01 (Camp 11 Truck Trail Sale). Stand has regenerated back to a fully stocked stand of aspen.
	Quaking Aspen	90	Sapling	3	18						Stocked Stand of Aspen.
	Balsam Fir	7	Pole/Sapling	5							
	White Spruce	3	Pole/Sapling	5							
31	4130	- Aspen	Sa	apling I	Medium	6.3	5	Immature	N/A		This stand was harvested under Camp 11 High Low sale 32-106-13-01.
	Canopy Species	% Cover	Size Class	DBH	Age						Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand has regenerated back to aspen. Stocking should improve as
	Quaking Aspen	100	Sapling	1	5						the stand matures.
32	4130	- Aspen	Po	oletimb	er Well	136.9	36	1-50	N/A		West part of stand was harvested by Mark Johnson, permit #9-83, east
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	portion was cut by St. John Forest Products, permit #1-78. Western part of stand had a maintained hunter walking trail through it at one time. In
	Quaking Aspen	90	Pole/Sapling	7	36	Bal	sam Fir	Low	10 - 20 feet	Sapling	the eastern portion of the stand, oak were marked to save as well as
	Bigtooth Aspen	8	Pole/Sapling	7		Whit	e Spruce	Low	10 - 20 feet	Sapling	birch clumps w/in 100ft of the Camp 11 Truck Trail.2021 Inventory -
	Balsam Fir	2	Pole	5				1		1	¹ Stand has grown into the pole size class. Stand is healthy and dense.
43	4140 - Other L	Jpland Deci	duous Po	oletimb	er Well	2.2	94	51-80	N/A		Mixed stand of birch, aspen, red maple, spruce-fir with traces of red and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	jack pine. This stand is a ridge of high ground between two spruce- tamarack stands. The east end of the stand is a steep hillside (40%
	Red Maple	15	Pole	6		Bal	sam Fir	High	5 - 10 feet	Sapling	slope). A creek flows through this stand and into the adjacent tamarack
	Paper Birch	60	Log/Pole	10	94						stand eventually ending at Camp 11 creek.
	Quaking Aspen	10	Log/Pole	12							
	Balsam Fir	10	Pole	6							
	White Spruce	5	Log/Pole	10							
44	3302 - Low Der	nsity Conife	Trees	Nonsto	ocked	13.9	Ο (Jnspecified	4211 - Planted	Red Pine	Cut in the summer of 2016 by Lafleur Forest Products LLC. under 32-117 13-01 Bryan Opening Jack Pine. Stand trenched in the summer of 2017 for costs see FTP.(32-774) Stand was commercially clearcut in 1974 by Earl St. John, permit #T-72 and followed up by a noncommercia KG dozer shearing of residual trees by Wildlife Division (mostly smaller red maple) in May/June 1975 (see FTP W3-547, or forestry no. 136-V- 22). Red pine remnant trees are scattered throughout the stand. Red and white pine saplings and poles are scattered throughout the stand. Red and white pine occurs as individual trees and also as scattered pockets.Stand trenched in 2017 and planted in 2018. Site counted in 2018 passed regen check will need a release spray. C32-8929-10-20: release spray complete on 13.5 acres.2021 Inventory - Release spray completed in 2020 appears to only have minimal results. Red pine is suppressed in most portions of the stand and aspen is still outcompeting the planted red pine.

Compartment: 269 Year of Entry: 2023 DNR DNR DNR OVRO

Stand	Level 4 Co	over Type		Size De	,	Acres	Stand Age	BARange	Managed S	bite	General Comments
45	330 - Low-[Density Tree	es	Nonsto	cked	3.0	0	Unspecified	4199 - Other Mix Deciduo		This stand was harvested under Camp 11 High Low sale 32-106-13-01. Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. 2021 Inventory - Stand is slow to regenerate but should fill in with a mix of species by the next YOE. A clump of mature red pine was retained and is within the west side of the stand.
46	6121 - 1	Tamarack		Poletimbe	er Well	3.4	94	111-140	N/A		This is a mixed stand of tamarack, spruce-fir, aspen and birch. The
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	aspen and birch are primarily along the edges where it transitions to upland. There is a pocket of cedar in the middle of this stand. This stand
	Paper Birch	10	Pole/Log	8		Ba	lsam Fir	High	10 - 20 feet	Sapling	is very wet with an underground creek on the east end of the stand.
Q	uaking Aspen	15	Log	12		Та	ag Alder	Medium	< 5 feet	Tall Shrub	
	Balsam Fir	5	Pole	6							-
V	White Spruce	5	Pole/Log	8							
E	Black Spruce	5	Pole	6							
North	hern White Cedar	10	Log/Pole	10							
	Tamarack	50									
47	6229 - Mixed	50 I lowland sh	Log/Pole	10 Nonsto	94 cked	12.1	0	Unspecified	612 - Lowland C Fores		This stand was harvested under Camp 11 High Low sale 32-106-13-01. Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021
47			-			12.1	0	Unspecified			Sale was cut by Minerick FP in the spring of 2016, and winter of 2016-
		I lowland sh	irub		cked	6.3	0 94	Unspecified 51-80			Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam.
48	6229 - Mixed	l lowland sh	irub	Nonsto	cked	6.3		51-80	Fores		Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost
48 C	6229 - Mixed 4319 - Mixed	l lowland sh	rest	Nonsto	cked	6.3 Sub-Ca	94	51-80	Fores N/A	t	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam.
	6229 - Mixed 4319 - Mixed Canopy Species	l lowland sh Upland Fo % Cover	rest Size Class	Nonsto Sawtimbe DBH	cked	6.3 Sub-Ca Ba	94 nopy Specie	51-80	Fores N/A Avg. Height	Size	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost
48 C	6229 - Mixed 4319 - Mixed Canopy Species Red Maple	l lowland sh Upland Fo % Cover 15	rest Size Class Log/Pole	Nonsto Sawtimbe DBH	cked er Well Age	6.3 Sub-Ca Ba	94 nopy Specie Isam Fir	51-80 es Density Medium	N/A Avg. Height 5 - 10 feet	t Size Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost
48 C	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch	I lowland sh Upland Fo % Cover 15 30	rest Size Class Log/Pole Log/Pole	Nonsto Sawtimbe DBH 10 10	cked er Well Age	6.3 Sub-Ca Ba	94 nopy Specie Isam Fir	51-80 es Density Medium	N/A Avg. Height 5 - 10 feet	t Size Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost
48 C	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch Balsam Fir	l lowland sh Upland Fo % Cover 15 30 30 30 25	rest Size Class Log/Pole Log/Pole Pole Pole	Nonsto Sawtimbe DBH 10 10 6	cked er Well Age 94	6.3 Sub-Ca Ba	94 nopy Specie Isam Fir	51-80 es Density Medium	N/A Avg. Height 5 - 10 feet	t Size Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost pure spruce-fir.
48 C V 49	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch Balsam Fir White Spruce	I lowland sh Upland Fo % Cover 15 30 30 25 Upland Fo	rest Size Class Log/Pole Log/Pole Pole Pole	Nonsto Sawtimbe DBH 10 10 6 7	cked er Well Age 94 94 er Well	6.3 Sub-Ca Ba Whit	94 nopy Specie Isam Fir te Spruce	51-80 Density Medium Medium 51-80	Forest N/A Avg. Height 5 - 10 feet 5 - 10 feet	t Size Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost pure spruce-fir.
48 C V 49 C	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch Balsam Fir White Spruce 4319 - Mixed	I lowland sh Upland Fo % Cover 15 30 30 25 Upland Fo	rest Size Class Log/Pole Log/Pole Pole Pole rest	Nonsto Sawtimbe DBH 10 10 6 7 Sawtimbe	cked er Well Age 94 er Well Age	6.3 Sub-Ca Ba Whit 3.3 Sub-Ca	94 nopy Specie Isam Fir te Spruce 94	51-80 Density Medium Medium 51-80	Forest N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A	Size Sapling Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost pure spruce-fir.
48 c v 49 c	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch Balsam Fir White Spruce 4319 - Mixed Canopy Species	I lowland sh Upland Fo % Cover 15 30 30 25 Upland Fo % Cover	rest Size Class Log/Pole Log/Pole Pole Pole rest Size Class	Nonsto Sawtimbe 10 10 6 7 Sawtimbe DBH	cked er Well Age 94 94 er Well	6.3 Sub-Ca Ba Whit 3.3 Sub-Ca Ba	94 nopy Specie Isam Fir te Spruce 94 nopy Specie	51-80 Density Medium Medium 51-80 S Density	Forest N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height	size Sapling Sapling Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost pure spruce-fir.
48 c v 49 c	6229 - Mixed 4319 - Mixed Canopy Species Red Maple Paper Birch Balsam Fir White Spruce 4319 - Mixed Canopy Species Red Maple	I lowland sh Upland Fo % Cover 15 30 30 25 Upland Fo % Cover 15	rest Size Class Log/Pole Log/Pole Pole Pole rest Size Class Log/Pole	Nonsto Sawtimbe 10 10 6 7 Sawtimbe DBH 10	cked er Well Age 94 er Well Age	6.3 Sub-Ca Ba Whit 3.3 Sub-Ca Ba	94 nopy Specie Isam Fir te Spruce 94 nopy Specie Isam Fir	51-80 Ses Density Medium 51-80 Ses Density Medium	Forest N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	size Sapling Sapling Sapling	Sale was cut by Minerick FP in the spring of 2016, and winter of 2016- 2017. Stand should come back to a mix of tamarack and spruce. 2021 Inventory - Stand is very slow to regenerate given the wet soils and species involved. A fair amount of tag alder and cattail currently within the stand. I did notice a few black spruce and tamarack that are starting to regenerate. Transitional stand. Mix of red maple, white birch and spruce-balsam. Some scattered aspen. Birch is falling apart. Northern lobe is almost pure spruce-fir.