

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41091 Entry Year 2023 Acreage: 1,592

County Delta

Management Area: Garden Thompson Plains

Stand Examiner: Adam Petrelius

Legal Description:

T40N R18W, Sections 21, 22, 23, 24

Identified Planning Goals:

The main goal of this compartment is to conduct multiple resource management for current and future generations.

Soil and topography:

The topography within the compartment is variable and includes some steep ridges in the west. Elevation values peak at 748 feet and drop to 581 at the Lake Michigan shoreline. With the exception of a few small stands, the entire compartment is forested. Forested land is very diverse and contains many cover types including some large oak stands. The two most abundant soils are Rubicon Sand and Tawas Muck. PVE is the most common habitat type.

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

State land within this compartment was acquired between 1907 and 2011. The compartment boundary borders private, state land, and some school forest land. The compartment is used mostly by hunters, ORV users, and snowmobile riders.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

NLMMU – John Bauman: This compartment borders Big Bay de Noc located within the northeastern region of Green Bay. Green Bay is located on the northern shore of Lake Michigan and is the world's largest freshwater estuary. 100' plus 5' per 1% increase in slope; buffers are recommended to protect Big Bay de Noc shoreline and shoreland areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 91 lies within eastern Delta county at the top of the Garden Peninsula in the Escanaba/Door Peninsula ecological sub-subsection and is a part of the Garden Thompson Plains Management area with American woodcock, ruffed grouse, white-tailed deer and wild turkey as featured species. This compartment is also part of the Garden Grade Grouse Enhanced Management Site (GEMS). The growing season is approximately 140 days. Extreme minimum winter temperature is –35 F. Snowfall in this area is relatively light averaging about 70 inches per year.

Pre-settlement notes showed some forest stands contained deciduous species such as beech, sugar maple, hemlock, and yellow birch. Others held red, white, and jack pine. In section 23, the pine forest contained interspersed open plains. Comments were made regarding the regenerating forest within burned over and windthrow stands of pine. Aspen, white birch, balsam fir, and pine saplings were found in these situations. Cedar was the dominant forest type in the lowlands; however, tamarack and spruce were also common. Surveyors also found evidence of fire within the cedar stands. Upland conditions within this compartment today are substantially different from those at the time of the original survey. Oak, aspen, and red pine plantation dominate the upland forest types. Lowlands appear to be similar in species composition to the pre-settlement vegetation, however, the age and structure has changed.

Wildlife habitat management objectives for this compartment are diverse. GEMS forest stands will be managed according to the Garden Grade GEMS management plan. Priority habitat objectives include promoting age and structural diversity within the early successional forest types, managing oak optimum mast production and maintaining closed canopy hemlock stands.

Other wildlife priorities include maintaining open-land habitat, retaining soft and hard mast producing species in harvested stands and ensuring connectivity of forest types along the Lake Michigan shoreline for neotropical migrants. Other wildlife species of interest include the common loon, bald eagle, gray wolf, ovenbird, downy woodpecker, gray squirrel, and red fox.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. The nearest active mineral production sites are just over three miles south. Construction aggregate from glacial drift have been produced in this area. There is also potential for bedrock limestone in some areas where glacial and lacustrine sediments are thin or absent. There appears to be mostly potential for sand within the compartment. No current mineral leasing activity exists in the area.

Vehicle Access:

There is good vehicle access throughout the entire compartment. State highway M183 travels along the western boundary.

Survey Needs:

Survey needed to complete some treatments.

Recreational Facilities and Opportunities:

The Cooks Garden Grade snowmobile trail travels north and south through this compartment.

Fire Protection:

Response time to fire will be fairly fast due to good access and distance from Thompson office. A variety of fuels exist, mostly upland and spring fires would be the concern here.

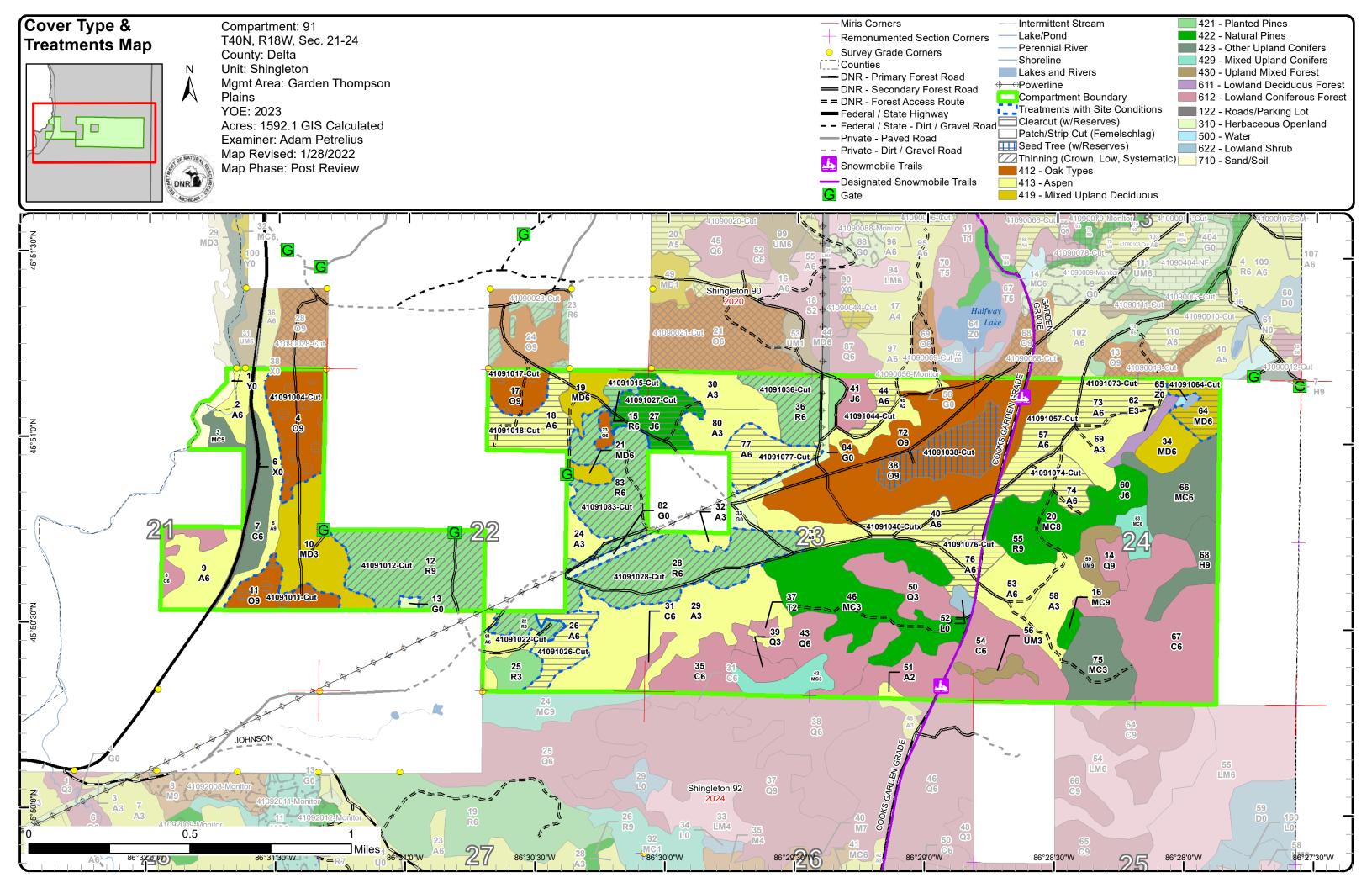
Additional Compartment Information:

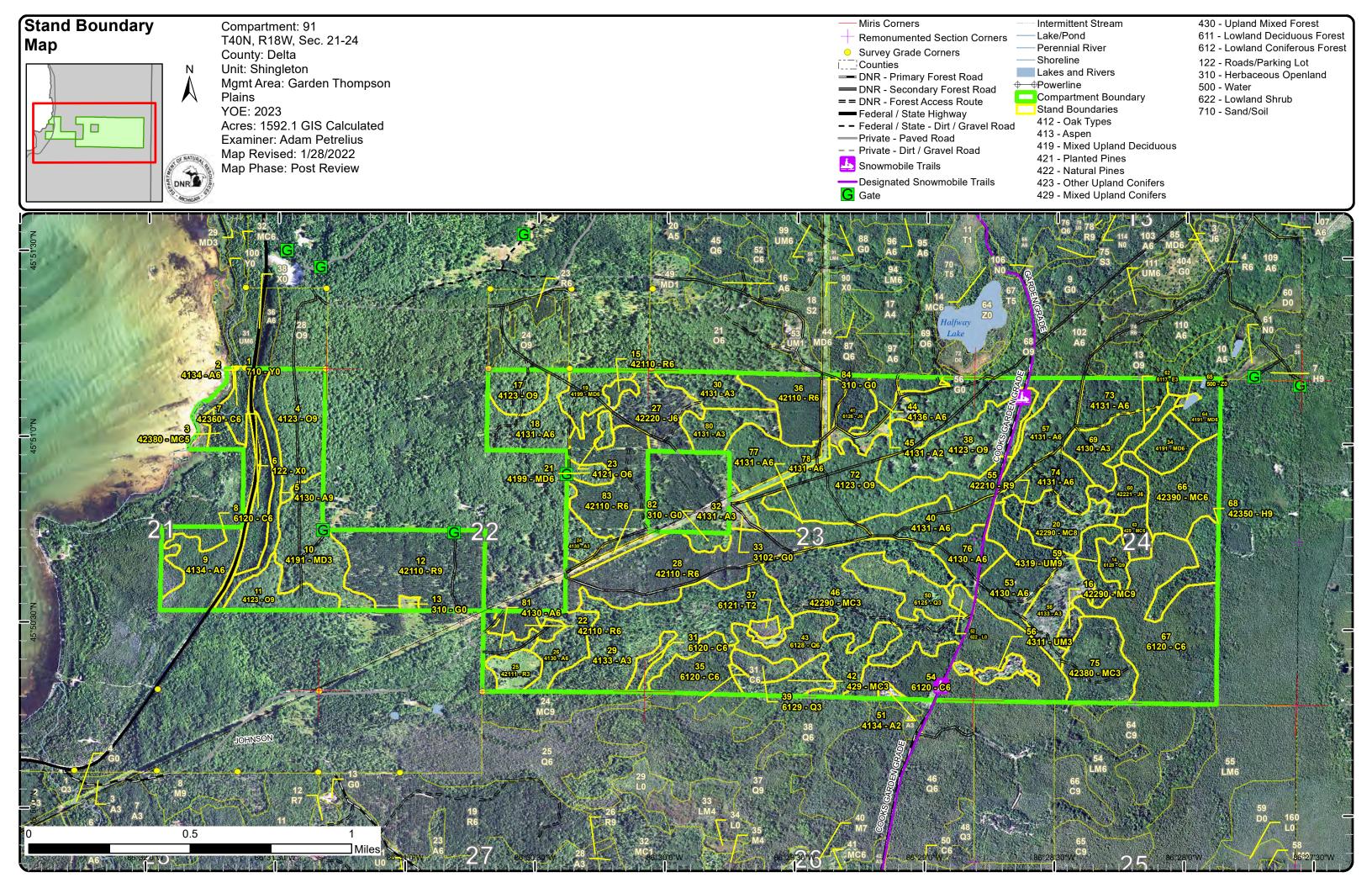
The following reports from the Inventory are attached:

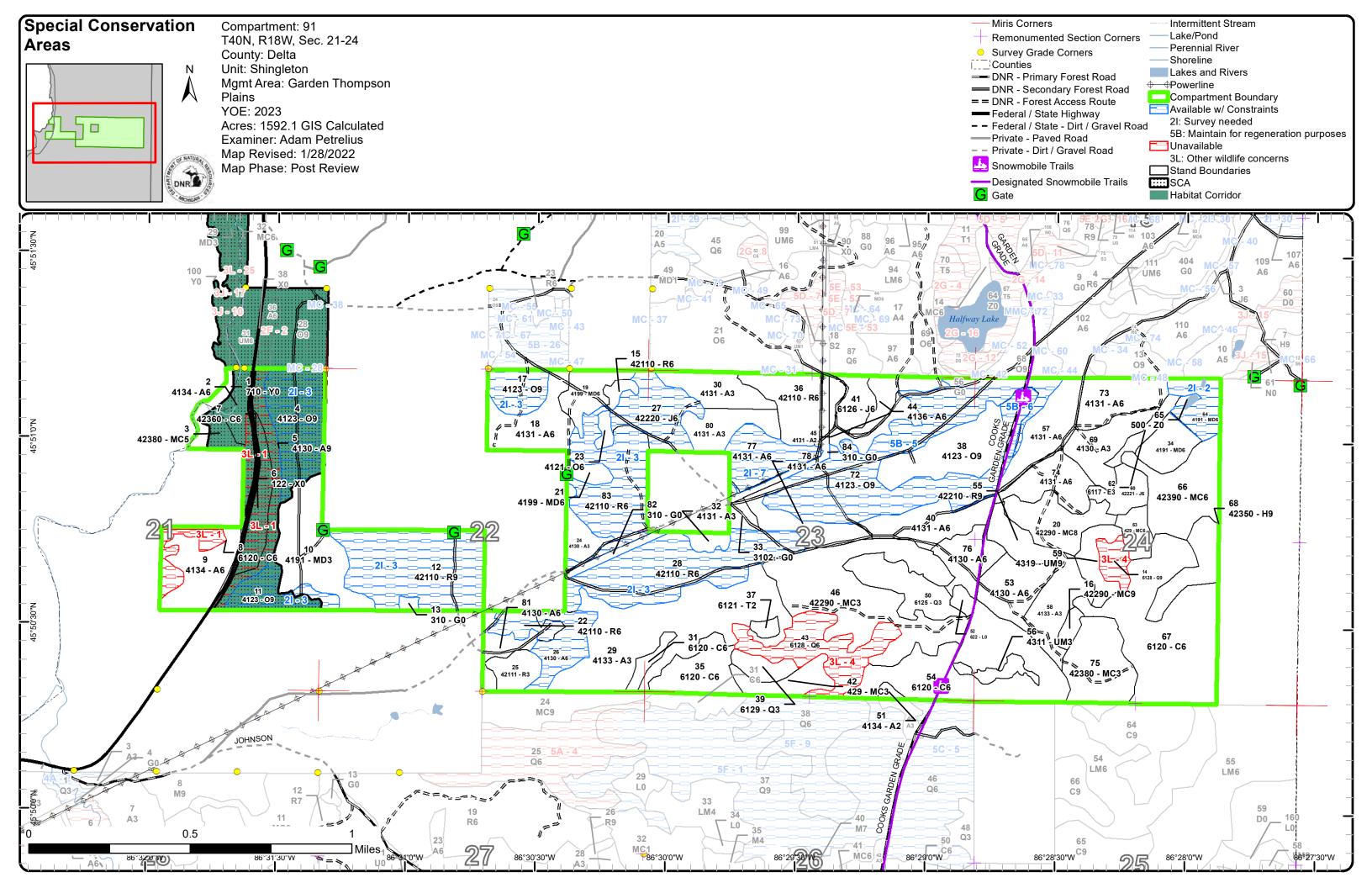
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Shingleton Mgt. Unit Adam Petrelius : Examiner



Age Class

	¥gg.	Legis /	3 / 2	2 /	A A	3/8	S S	3/8	\$ / *		8 8		W Zaz	<u> </u>			N. S.	* July	N. S.
Aspen	0	57	131	0	195	0	63	0	16	0	0	0	0	0	0	0	0	0	462
Cedar	0	0	0	0	0	0	0	11	147	0	20	26	0	0	0	0	0	0	203
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	16
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Jack Pine	0	0	0	0	10	0	38	0	0	0	0	0	0	0	0	0	0	0	48
Lowland Conifers	0	0	0	22	0	8	0	0	0	0	8	35	0	0	0	0	0	0	73
Lowland Deciduous	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	40	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	87
Natural Mixed Pines	0	0	0	76	0	0	0	0	27	0	0	0	0	0	0	0	0	0	103
Oak	0	0	0	0	0	0	0	3	0	154	55	0	0	0	0	0	0	0	212
Red Pine	0	0	10	0	27	0	187	0	12	0	0	0	0	0	0	0	0	0	235
Sand, Soil	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Tamarack	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	13	30	0	8	0	34	5	0	0	0	0	0	0	0	0	90
Upland Mixed Forest	0	6	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	17
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	37	63	181	117	309	11	296	14	247	159	83	61	17	0	0	0	0	0	1589



Report 2 – Treatment Summary

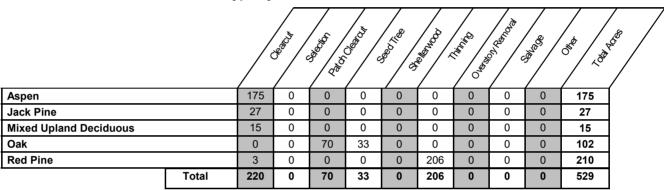
Shingleton Mgt. Unit Year of Entry: 2023

Acres of Harvest

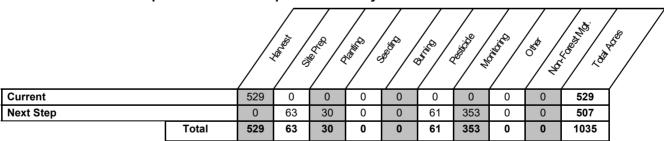
Compartment 91
Total Compartment Acres: 1,592

Commercial Harvest - 194
Harvests with Site Condition - 334
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



s t а

n

d

Treatment Name

Acres

Stand CoverType

Size Density Stand Age

BA Range **Treatment** Type

Treatment Method

Cover Type Objective

Compartment: 91

Year of Entry: 2023

Age Structure Habitat Cut

Approved Treatments:

4123 - Red Oak 41091004-Cut 36.2 Sawtimber 96 111-Harvest Strip/Patch/Gap 412 - Oak Types Two-Aged Nο Well 140 Cut

(Femelschlag)

Prescription Canopy gap harvest to promote oak regeneration. All trees located with canopy gaps should be harvested down to 2 inches. Canopy gaps Specs: should be at minimum 1/2 acre in size and contain a sufficient crown opening to allow oak regeneration and recruitment into the overstory. No harvesting shall occur outside canopy gaps unless trails are needed to move equipment between canopy gaps.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable Oak regeneration is desired however any species onsite will be acceptable.

Regen:

Other Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022

Strip/Patch/Gap 412 - Oak Types Two-Aged 41091011-Cut 4123 - Red Oak Sawtimber 96 Harvest 18 6 111-Nο Well 140 Cut (Femelschlag)

Prescription Canopy gap harvest to promote oak regeneration. All trees located with canopy gaps should be harvested down to 2 inches. Canopy gaps should be at minimum 1/2 acre in size and contain a sufficient crown opening to allow oak regeneration and recruitment into the overstory. Specs: No harvesting shall occur outside canopy gaps unless trails are needed to move equipment between canopy gaps.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak is desired, however any species onsite will be acceptable.

Regen:

Other Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022

42110 - Planted 4211 - Planted 12 41091012-Cut 64.8 Sawtimber 59 111-Harvest Crown Thinning Even-Aged No Red Pine Red Pine Well 140

Prescription Thin. Target basal area of 120, however overall may be lower due to pre-existing low basal area pockets and other species present. Focus on removing majority of trees that are approaching 18 inches dbh. Specs:

Next Step

Treatments:

<u>Acceptable</u> Regen:

Other

Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022

Report 3 -- Treatments Compartment: 91 s Year of Entry: 2023 t а **Treatment** Stand BA **Treatment Treatment Cover Type** Acres Stand Size Age Habitat n Method Objective Structure Name CoverType Density Age Range Type Cut d 15 41091015-Cut 3 4 42110 - Planted Poletimber 81-110 Harvest Clearcut 4211 - Planted Even-Aged Red Pine Red Pine Well Prescription Cut all trees greater than 2 inches live and dead for plantation management. Less than 3% retention acceptable due to small stand size. Specs: SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Next Step Treatments: Regen(3yr); Pesticide, Skidder - Release Acceptable red pine Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2022 41091017-Cut 14 7 4123 - Red Oak Sawtimber 111-Harvest Strip/Patch/Gap 412 - Oak Types Two-Aged No Well 140 Cut (Femelschlag) Prescription Canopy gap harvest to promote oak regeneration. All trees located with canopy gaps should be harvested down to 2 inches. Canopy gaps should be at minimum 1/2 acre in size and contain a sufficient crown opening to allow oak regeneration and recruitment into the overstory. Specs: No harvesting shall occur outside canopy gaps unless trails are needed to move equipment between canopy gaps. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Oak regeneration is desired, however any species onsite will be acceptable. Regen: Other Comment: Site Condition Survey Needed Proposed Start Date: 10/1/2022 41091018-Cut 25.2 4131 - Aspen, Oak Poletimber 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Nο Retention Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile Specs: trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Aspen regeneration is expected, however any deciduous and coniferous mixture is acceptable. Regen: Other 1 4 1 Comment:

Site Condition

Proposed Start Date: 10/1 /2031

8.9 42110 - Planted Poletimber 111-Harvest 4211 - Planted 22 41091022-Cut 56 Low Thinning Even-Aged Nο Red Pine Well 140 Red Pine

Prescription Thin with a target residual basal area of 120

Specs:

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other

Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022 Stand

CoverType

Cut

s t а

n

d

Year of Entry: 2023 **Treatment Cover Type** Age Habitat Method

Structure

Compartment: 91

Objective

26 41091026-Cut 18.1 4130 - Aspen Poletimber Harvest Clearcut 413 - Aspen Even-Aged Well

Treatment

Type

BA

Range

Stand

Age

Size

Density

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile Specs: trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acres

Treatments:

Treatment

Name

Acceptable Aspen regeneration is desired, however mixed coniferous and deciduous are acceptable.

Regen: **Other**

Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2026

42220 - Natural Poletimber Harvest 4211 - Planted 41091027-Cut 26.9 56 81-110 Clearcut with Even-Aged Nο Jack Pine Well Retention Red Pine

Prescription Cut all trees live and dead for plantation management. Retention should be placed along edge of stand.

Specs:

SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Treatments: Regen(3yr); Pesticide, Skidder - Release

Acceptable red pine

Regen:

Other Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022

41091028-Cut 42110 - Planted 61.7 4211 - Planted Poletimber 59 141-Harvest Low Thinning Even-Aged No Red Pine Well 170 Red Pine

Prescription Thin with target basal area of 120.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other May need to use a different color paint than orange to mark due to residual paint from last harvest.

Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2022

41091036-Cut 23.1 42110 - Planted Poletimber 36 141-Harvest Systematic 4211 - Planted Even-Aged No Red Pine Thinning Red Pine Well 170

Prescription 3rd row thinning

Specs:

Next Step Treatments:

<u>Acceptable</u>

Regen:

Other

Comment:

Site Condition

Retention

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
38	41091038-Cut	32.7	4123 - Red Oak	Sawtimbe	er 86	81-110	Harvest	Seed Tree with	412 - Oak Tynes	Even-Aged	No

<u>Prescription</u> Cut all trees down to 4 inches. Leave 10 to 30 sq. ft oak leave trees to remain as seed and mast producers.

Well

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Scarification

Treatments:

Acceptable Oak regeneration is expected, however any species onsite is acceptable.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 4 /13/2021

40 41091040- 23.4 4131 - Aspen, Oak Poletimber 37 81-110 Harvest Clearcut 413 - Aspen Even-Aged No Well

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is desired, however any mixed coniferous and deciduous are acceptable.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2031

44 41091044-Cut 7.7 4136 - Aspen, Poletimber 36 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Mixed Conifer Well Retention

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

57 41091057-Cut 21.7 4131 - Aspen, Oak Poletimber 51 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention

<u>Prescription</u> Specs: Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long

log on site for drumming logs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable.

Regen:

Other Do not cut serviceberry and dogwood.

Comment:

Site Condition



n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
64	41091064-Cut	14.6	4191 - Mixed	Poletimbe	er 39	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No

with Conifer

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, however mixed coniferous and deciduous are acceptable.

Regen:

Specs:

Other Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2031

73 41091073-Cut 20.5 4131 - Aspen, Oak Poletimber 51 81-110 Harvest Clearcut 413 - Aspen Even-Aged No Well

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long Specs: log on site for drumming logs per acre. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is expected, however mixed coniferous and deciduous is acceptable.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2026

74 41091074-Cut 19.7 4131 - Aspen, Oak Poletimber 51 81-110 Harvest Clearcut 413 - Aspen Even-Aged No Well

Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long Specs: log on site for drumming logs per acre. Do not cut serviceberry and dogwood.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration is likely, however mixed coniferous and deciduous is acceptable.

Regen:

Other Comment:

Site Condition

Shingleton Mgt. Unit

Report 3 -- Treatments

Compartment: 91 Year of Entry: 2023 OF NATURAL PROPERTY OF NAT

а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age Habitat n Method Objective Structure Name CoverType Density Age Range Type Cut d 76 41091076-Cut 17.0 4130 - Aspen Poletimber 51-80 Harvest Clearcut 413 - Aspen Even-Aged Well Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long Specs: log on site for drumming logs per acre. Do not cut serviceberry and dogwood. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Aspen regeneration is desired, however mixed coniferous and deciduous are acceptable. Regen:

Other Comment:

s

t

Site Condition

Proposed Start Date: 10/1 /2026

77 41091077-Cut 22.1 4131 - Aspen, Oak Poletimber 37 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention

Prescription Specs: Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs.

Next Step Monitoring, Natural Regen (Re-Inventory)

<u>Treatments:</u>

<u>Acceptable</u> Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. <u>Regen:</u>

Other Do not cut serviceberry and dogwood.

Site Condition Survey Needed
Proposed Start Date: 10/1 /2021

83 41091083-Cut 47.7 42110 - Planted Poletimber 59 111- Harvest Low Thinning 4211 - Planted Even-Aged No Red Pine Well 140 Red Pine

Prescription Thin with residual target basal area of 120.

Specs:

Next Step Treatments:

Acceptable Regen: Other

Comment:
Site Condition Survey Needed

Total Treatment 528.7 Acreage Proposed:

Shingleton Mgt. Unit

Adam Petrelius : Examiner

Compartment: 91
Year of Entry: 2023

Availability for Management Acres Avail Total Acres Acres **Dominant Site Conditions** With Condition Not Available Available 5B 3L Acres Aspen Cedar Hemlock Herbaceous Openland Jack Pine **Lowland Conifers Lowland Deciduous** Lowland Shrub Mixed Upland Deciduous **Natural Mixed Pines** Oak **Red Pine** Sand, Soil Tamarack **Upland Conifers Upland Mixed Forest** Urban Water 1,592 1,063 **Total Forested Acres**

Relative Percent

6%

*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	3L: Other wildlife concerns	46	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

67%

28%

Retain an intact canopy in upland coniferous (non-pine) stands near the lakeshore and lowland coniferous stands throughout the SCA in order to provide a functional travel corridor for migrating birds. These stands provide food in the form of insects and seeds, cover, concealment, and resting areas for migrating, neotropical birds.

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius: Examiner

2	Available	2I: Survey needed	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Available	2l: Survey needed	298	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3L: Other wildlife concerns	43	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: hemlock cutting rest	traints					
5	Available	5B: Maintain for regeneration purposes	98	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is being held	until results of adjacent harve	st are seen	through regeneration c	heck.		
6	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is being held	until results of adjacent harve	st are seen	through regeneration c	heck.		
7	Available	2I: Survey needed	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Shingleton Mgt. Unit

Compartment: 091 Year of Entry: 2023



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	Habitat Area	Habitat Corridor	SCA	103

Mgt. Unit

Compartment: Year of Entry



Report 6 - EXISTING SPECIAL CONSERVATION AREA DETAILS

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

ERA = Ecological Reference Area HCVA = High Conservation Value Area Conservation **Type Description** SCA = Special Conservation Area Area



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments	MICHIGAN .
1	710 - S	Sand, Soil		Nonsto	cked	6.5			No			
2	4134 - Aspe	en, Spruce/	/Fir F	Poletimbe	er Well	9.3	37	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cai	nopy Species	Density	Avg. Height	Size		
No	rthern White Cedar	15	Sapling/Pole	4		Northern	White Cedar	Medium	5 - 10 feet	Sapling		
	Balsam Fir	20	Pole/Sapling	5		Bal	sam Fir	Full	5 - 10 feet	Sapling		
	Paper Birch	5	Pole/Sapling	5				'			-	
	Quaking Aspen	60	Pole/Sapling	6	37							
3	42380 - Non Pine U Deci	Jpland Coni iduous	ifer, Mixed Po	letimber	Mediu	m 5.4	81	51-80	N/A		birch is dying and stand is converting to fir.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Balsam Fir	30	Pole	8	42	Northern	White Cedar	High	10 - 20 feet	Sapling		
	Red Maple	10	Pole	9		Bal	sam Fir	Full	10 - 20 feet	Sapling		
No	rthern White Cedar	20	Pole	7					1	1		
	Paper Birch	30	Pole	9	81							
	Black Spruce	10	Pole	8								
4	4123 -	Red Oak	S	Sawtimbe	er Well	36.2	96	111-140	N/A		Stand was thinned about 20 years ago.	
	Canopy Species	% Cover	Size Class	DBH		Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Oak	100	Log	14	96	Bigto	oth Aspen	High	10 - 20 feet	Sapling		
							d Maple	High	10 - 20 feet	Sapling		
						Re	ed Oak	Medium	10 - 20 feet	Sapling		
5	4130	- Aspen	5	Sawtimbe	er Well	16.2	77	171-200	N/A		steep hill	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Bigtooth Aspen	65	Log/Pole	12	77	Bal	sam Fir	Low	5 - 10 feet	Sapling		
	Paper Birch	25	Log/Pole	12		Re	d Maple	Low	10 - 20 feet	Sapling		
	Red Maple	10	Log/Pole	12				1				
6	122 - Road	d/Parking L	ot	Nonsto	cked	6.5		Immature	No			
7		pland Ceda		Poletimbe		20.1	91	111-140	N/A			
	Canopy Species		Size Class	DBH			nopy Species	Density	Avg. Height	Size		
No	rthern White Cedar	70	Pole	8	91		sam Fir	Medium	10 - 20 feet	Sapling		
	Paper Birch	10	Pole	8		Northern	White Cedar	High	10 - 20 feet	Sapling		
	Black Spruce	20	Pole/Log	9								



Stan	d Level 4 C	over Type	;	Size Density	Acres	Stand Age B	A Range	Managed S	ite	General Comments
8	6120 - Lo	wland Ceda	ar P	oletimber Wel	II 10.7	67	51-80	N/A		underground creeks present
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	10	Pole	6	Norther	n White Cedar	High	10 - 20 feet	Sapling	
	Tamarack	10	Pole	6	Ва	alsam Fir	High	10 - 20 feet	Sapling	
No	orthern White Cedar	80	Pole/Sapling	6 67						_
9	4134 - Aspe	en, Spruce/	/Fir P	oletimber We	1 24.2	37	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Sapling	4	Norther	n White Cedar	Medium	5 - 10 feet	Sapling	
No	orthern White Cedar	5	Sapling	2	Ва	alsam Fir	High	5 - 10 feet	Sapling	
	Balsam Fir	25	Pole/Sapling	5						-
	Bigtooth Aspen	60	Pole/Sapling	5 37						
10	4191 - Mixed Upla Co	and Decidu onifer	ous with	Sapling Well	39.8	16	1-50	N/A		Stand cut spring 2004, 41-028-03-01. Trenched and planted with 43,0 jack pine. 2007 regen count showed 587 jack pine. 2009 regen count
	Canopy Species	% Cover	Size Class	DBH Age						showed 572 jack pine. 6 of 43 acres were not trenched due to residua oak and aspen clones. Even though this stand did not reach the
	Red Maple	20	Sapling	3						minimum 600 tpa of jack pine to be fully stocked, FTP 1132 will be
	Bigtooth Aspen	15	Sapling	3						closed. Where jack pine was planted, the stand has over 600 tpa and
	Red Oak	25	Pole/Log	8						below acceptable count is likely due to the 6 acres of oak/aspen within the stand.
11	4123 -	Red Oak	S	awtimber Wel	l 18.6	96	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Oak	85	Log/Pole	13 96	W	hite Pine	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Pole/Log	9	F	ed Pine	Low	10 - 20 feet	Sapling	
	Red Pine	5	Pole/Log	8	Ва	alsam Fir	Low	5 - 10 feet	Sapling	
	Red Maple	5	Pole	7	F	ted Oak	High	10 - 20 feet	Sapling	
12	42110 - Pla	nted Red P	Pine S	awtimber Wel	l 64.8	59	111-140	N/A		Stand thinned in spring 2004. 41-028-03-01 Sand Pit Pine and again in
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2014 under Treed Santa Pine.
	Jack Pine	3	Pole	8	W	hite Pine	Low	< 5 feet	Sapling	
		3	Pole	9						-
	Bigtooth Aspen									
	Red Oak	5	Log	12						



Compartment: 91

Year of Entry: 2023

Stand	Level 4 C	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
14	6128 - Lowland Dec	Coniferous,	, Mixed	Sawtimber Wel	l 7.8	91	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	45	Log/Pole	12 91	Norther	n White Cedar	Medium	10 - 20 feet	Sapling	
	Paper Birch	10	Pole	8	В	alsam Fir	Medium	10 - 20 feet	Sapling	
	Red Maple	15	Log/Pole	10						
	Hemlock	25	Log	14						
	Bigtooth Aspen	5	Log	10						
15	42110 - Pla	nted Red P	ine	Poletimber Wel	I 3.4	59	81-110	N/A		Stand was cut as part of Treed Santa Sale # 41-042-13-01. TCR Date
	Canopy Species	% Cover	Size Class	DBH Age						7/22/2014.
	Jack Pine	2	Pole	8						
	Red Oak	2	Log	14						
	Red Pine	96	Pole	9 59						
16	42290 - Natu	ıral Mixed F	Pine	Sawtimber Wel	1 3.8	77	1-50	N/A		10/28/2015 TI] Stand was cut as part of Big Squirrel Country Sale #41-
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	051-13-01. TCR date 8/15/15.
	Red Pine	50	Log	16 77	В	alsam Fir	High	5 - 10 feet	Sapling	
	White Pine	50	Log	16 77	W	hite Pine	Medium	5 - 10 feet	Sapling	
		1		1 1	Bigt	ooth Aspen	High	5 - 10 feet	Sapling	
17	4123 -	Red Oak		Sawtimber Wel	l 14.7	84	111-140	N/A		Stand was cut in 1984. excellent oak regen and recruitment
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Red Oak	100	Log/Pole	12 84	F	Red Oak	Full	>20 feet	Sapling	
		- 1			R	ed Maple	Low	>20 feet	Sapling	
18	4131 - A	spen, Oak		Poletimber Wel	l 25.2	37	51-80	N/A		stand was cut in 1985. even mix of aspen oak regen. scattered large oak GEMS treatment planned in 2032. SW corner was a separate stand,
	Canopy Species	% Cover	Size Class	DBH Age						however due to size it was combined with this stand. Aspen exists in SW
	Bigtooth Aspen	45	Pole/Sapling	g 7 37						but just more sparse.
	Red Maple	10	Sapling/Pole	e 4						
	Red Oak	45	Pole/Sapling	g 7 37						
19	4199 - Other Mixe	d Upland D	eciduous	Poletimber Wel	13.7	37	81-110	N/A		Stand was cut in 1985 but has some mature aspen remaining.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	30	Pole/Sapling	g 7	F	Red Oak	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Pole/Sapling	g 6						
	Red Pine	5	Log/XLog	16						
	Red Oak	55	Pole/Log/Sa	p 8 37						



Stan	d Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
20	42290 - Natu	ural Mixed F	Pine Saw	/timbe	r Mediun	n 23.0	77	51-80	N/A		₁ [10/28/2015 TI] Stand was cut as part of Big Squirrel Country Sale #41-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	5051-13-01. TCR date 8/15/15.
	Red Pine	50	Log/XLog	16		R	ed Oak	Medium	10 - 20 feet	Sapling	
	White Pine	50	Log/XLog	16	77	Ва	lsam Fir	Medium	5 - 10 feet	Sapling	
						Bigto	oth Aspen	High	10 - 20 feet	Sapling	
						Ja	ck Pine	Low	< 5 feet	Sapling	
						Wh	nite Pine	Medium	< 5 feet	Sapling	
21	4199 - Other Mixe	d Upland D	eciduous Po	oletimb	er Well	4.9	37	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	5	Log/Pole	12		R	ed Oak	Low	5 - 10 feet	Sapling	
	Red Oak	50	Pole/Sapling	5	37	Re	d Maple	Medium	5 - 10 feet	Sapling	
	Bigtooth Aspen	35	Pole	6							
	Red Maple	10	Pole/Sapling	5							
22	42110 - Pla	% Cover	Size Class	DBH	er Well	8.9	56	111-140	N/A		
<u> </u>	Red Pine	100	Pole	8	56						
23		Oak, Aspen			er Well	3.0	62	51-80	N/A		stand was cut in 1985. Stand was part of GEMS plan, however it is nostly oak and was removed.
	Canopy Species		Size Class		l Age		nopy Species	Density	Avg. Height	Size	- moonly can ama mad romerous
	Red Maple	10	Pole/Sapling	5			d Maple	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	30	Pole	8	37	R	ed Oak	Low	5 - 10 feet	Sapling	
	Red Oak	60	Pole/Sap/Log	9	62						
24	4130	- Aspen	;	Saplin	g Well	9.1	16	1-50	N/A		Stand cut in spring 2006, 41-028-03-01. GEMS treatment planned in 2047
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Sapling	1		Wh	nite Pine	Low	< 5 feet	Sapling	
	Red Oak	15	Sapling/Pole	2							
	Bigtooth Aspen	75	Sapling	1	16						
	40444 BL 1	l Red Pine	Mixed S	Sanlin	g Well	10.2	12	1-50	N/A		Stand was cut in 2006, burned in 2008. (2/2/15 AP) Stand was trenched
25	42111 - Planted Dec	iduous									and planted with red pine. 3rd year regen check showed 457 tpa of red
25		iduous	Size Class		l Age						and planted with red pine. 3rd year regen check showed 457 tpa of red pine.
25	Dec	iduous			l Age						, , , , , , , , , , , , , , , , , , , ,



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
26	4130	- Aspen	Р	oletimb	er Well	18.1	37	81-110	N/A		GEMS treatment planned in 2027
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Cherry	5	Pole/Sapling	5		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Red Oak	15	Log	12		WI	nite Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	75	Pole/Sapling	6	37						•
	Red Maple	5	Pole/Sapling	6							
27	42220 - Nat	ural Jack F	Pine P	oletimb	er Well	26.9	56	81-110	N/A		poor stockingopen grow trees, mortality
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Jack Pine	92	Pole	9	56	Ja	ick Pine	Low	< 5 feet	Sapling	
	Bigtooth Aspen	5	Pole	9							1
	Red Oak	3	Log	14							
28	42110 - Plai	nted Red P	ine P		er Well	61.7	59	141-170	N/A		Stand was cut as part of Treed Santa Sale # 41-042-13-01. TCR Date 7/22/2014.
	Canopy Species	% Cover	Size Class	DBH	l Age						1/22/2014.
	Red Pine	96	Pole	9	59						
	Red Oak	2	Log	14							
	Jack Pine	2	Pole	8							
29	4133 - Aspe	en, Mixed P	ine	Saplin	g Well	83.0	18	1-50	N/A		Management objective last year of entry was for white pine. Stand was cut in spring 2004. Residual basal areas from cruise were red pine - 10,
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	white pine - 10, hemlock - 5, cedar - 8, oak - 2, total of 35 sq. ft.
	White Pine	25	Pole/Log/Sap	_		WI	nite Pine	Medium	5 - 10 feet	Sapling	
	Balsam Fir	10	Sapling	3		Ва	Isam Fir	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Sapling	1							
	Red Pine	5	Pole/Log/Sap	9							
	Quaking Aspen	50	Sapling	3	18						
30	4131 - A	spen, Oak		Saplin	g Well	17.6	16	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand was cut in 2005. TSI was completed in 2006. 13 sq. ft. of oak exist from timbersale cruise. Stand was supposed to get scarified, but that
	Jack Pine	5	Sapling	3		R	ed Oak	Medium	5 - 10 feet	Sapling	never happened in time. Prior to harvest, it was an even mixture of jack
	Bigtooth Aspen	65	Sapling	3	16						pine and aspen. GEMS treatment planned in 2047
	Red Maple	5	Sapling	3							
	Red Oak	25	Pole	9							
31	6120 - Lov	wland Ceda	ar P	oletimb	er Well	4.8	101	51-80	N/A		stand species thinned in 2004lots of blow down
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10	Log/Pole	12		Blad	ck Spruce	Medium	< 5 feet	Sapling	
	Hemlock	30	Pole/Log	9							-
	пенноск	30	Fole/Log	9							



tand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed 9	Site	General Comments
32	4131 - A	spen, Oak		Sapling	Well	4.5	16	1-50	N/A		stand cut in spring 2006, 41-028-03-01
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	GEMS treatment planned in 2042
	Bigtooth Aspen	70	Sapling	2	16	Ja	ck Pine	Low	< 5 feet	Sapling	OEMO treatment planned in 2042
	Red Oak	20	Pole/Log	7							
	Red Maple	10	Sapling	2							
33	3102	- Grass		Nonsto	cked	4.3	ι	Inspecified	Managed O	pening	Stand was cut as part of Treed Santa Sale.
34	4191 - Mixed Upla Co	and Decidu	ous with	Poletimb	er Well	13.7	39	81-110	N/A		GEMS treatment planned in year 2037
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10	Log/Pole	12			ed Oak	Low	10 - 20 feet	Sapling	
	Red Oak	25	Log	12		Re	d Maple	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Pole	5		Asp	en (spp.)	Medium	10 - 20 feet	Sapling	
	Bigtooth Aspen	35	Pole/Sapling	g 5	39	Wh	nite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	10	Pole/Sapling	g 7		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Red Pine	15	Log/Pole	12				1			
35	6120 - Lo	wland Ceda	ar	Poletimb	er Well	20.9	100	111-140	N/A		size and quality of cedar decreases towards the south
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	rthern White Cedar	80	Pole/Sapling	g 7	100	Ва	lsam Fir	High	< 5 feet	Sapling	
	Hemlock	5	Log/Pole	13							-
	Paper Birch	10	Log/Pole	10							
	Red Maple	5	Pole	8							
36	42110 - Pla	nted Red P	ine	Poletimb	er Well	26.6	36	141-170	N/A		high quality plantation
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Pine	100	Pole	8	36						
37	6121 -	Tamarack	;	Sapling N	/ledium	2.8	41	1-50	N/A		former treed bog
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	50	Sapling	3	41		Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	50	Sapling	3	41					1	ı
38	4123 -	Red Oak		Sawtimb	er Well	41.5	86	81-110	N/A		Aspen/red maple removed in 1985. Regeneration in holes is starting to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	reach canopy.[10/28/15 TI] Part of the stand was cut with Big Squirrel Country Sale #41-051-13-01. TCR date 8/18/15. 2020 regen check
							ed Oak	Medium	10 - 20 feet	Sapling	showed success is minimal due to heavy deer browse
	Red Oak	100	Log/Pole	11	86	11	cu Oak			99	Showed success is minimal due to heavy deer browse
	Red Oak	100	Log/Pole	11	80		d Maple	Medium	10 - 20 feet	Sapling	showed success is minimal and to heavy deer browse



Stand	Level 4 Co	over Type	\$	Size De	ensity	Acres	Stand Age	BA Range	Managed S	iite	General Comments	
39	6129 - Mixed Conife	erous Lowla	and Forest	Saplin	g Well	8.0	41	1-50	N/A		former treed bogscattered mature trees	
	Canopy Species	% Cover	Size Class	DBH	l Age							
No	rthern White Cedar	35	Sapling/Pole	4	41							
	Black Spruce	20	Sapling/Pole	2								
	Tamarack	35	Sapling/Pole	2								
	White Pine	10	Sapling/Pole	2								
40	4131 - A	spen, Oak	Р	oletimb	er Wel	I 23.4	37	81-110	N/A		Stand cut in 1985. GEMS treatment period 2032	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size		
	Bigtooth Aspen	55	Pole	7	37	W	hite Pine	Low	< 5 feet	Sapling		
	Red Oak	45	Log/Pole	12		Bigto	ooth Aspen	Low	10 - 20 feet	Sapling		
•						R	ted Oak	Low	10 - 20 feet	Sapling		
41	6126 - Lowla	and Jack P	ine P	oletimb	er Wel	10.3	36	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size		
	White Pine	10	Pole/Sapling	5		Ja	ack Pine	Medium	5 - 10 feet	Sapling		
	Jack Pine	63	Pole/Sapling	7	36	Bla	ck Spruce	Medium	5 - 10 feet	Sapling		
	Tamarack	12	Sapling/Pole	4								
	Black Spruce	15	Pole/Sapling	5								
42	429 - Mixed U	Jpland Con	ifers	Saplin	g Well	12.9	27	1-50	N/A		very mixed stand	
	Canopy Species	% Cover	Size Class	DBH	l Age							
	Black Spruce	15	Sapling	2								
	Balsam Fir	10	Sapling	3								
	Jack Pine	15	Sapling	3								
	Red Maple	5	Sapling	3								
	White Pine	10	Sapling/Pole	4								
	Quaking Aspen	35	Sapling	4	27							
	Red Pine	10	Sapling/Pole	3								
43	6128 - Lowland (Deci	Coniferous, duous	Mixed P	oletimb	er Wel	II 34.6	100	111-140	N/A		cedar and hemlock to thick to operate in most areas	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size		
	Black Spruce	10	Pole	8		Bla	ck Spruce	Low	< 5 feet	Sapling		
	Paper Birch	15	Pole	9		H	lemlock	Low	10 - 20 feet	Sapling		
	Hemlock	25	Pole/Log	9		Ва	alsam Fir	Low	5 - 10 feet	Sapling		
No	rthern White Cedar	35	Pole	8	100							
			D.L.									
	Red Maple	10	Pole	8								



Stand	I Level 4 C	Level 4 Cover Type			nsity	Acres	Stand Age B	and Age BA Range Managed Site Gen		General Comments	
44	4136 - Asper	n, Mixed Co	nifer F	Poletimb	er Well	7.7	36	81-110	N/A		GEMS treatment planned in 2022.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	70	Pole/Sapling	6	36	Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Black Spruce	10	Pole/Sapling	6							
	Jack Pine	10	Pole/Sapling	5							
	Red Oak	10	Log/Pole	12							
45	4131 - A	Aspen, Oak	5	Sapling N	/ledium	12.8	7	1-50	N/A		GEMS treatment planned in 2052
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	15	Sapling	1	7						
	Red Oak	20	Log/Pole	10							
	Bigtooth Aspen	65	Sapling	1	7						
46	42290 - Nati	ural Mixed F	Pine	Sapling	Well	76.4	21	1-50	N/A		stand has been scarified.trenched.seeded. and planted in various area
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	since it was cutexcellent mixedregen became established between 2000 and 2008
	Red Maple	3	Sapling	1		WI	nite Pine	Medium	< 5 feet	Sapling	2000 and 2000
	Red Pine	24	Pole/Sap/Log	9 8		Ja	ick Pine	Medium	< 5 feet	Sapling	
	Bigtooth Aspen	3	Sapling	1		R	ed Pine	Medium	< 5 feet	Sapling	
	Jack Pine	40	Sapling	4	21						
	Black Spruce	3	Sapling	1							
	White Pine	27	Pole/Sap/Log	9							
50	6125 - Lowland Bla	ack Spruce,	Jack Pine	Sapling	Well	21.9	27		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Tamarack	5	Sapling	2							
No	rthern White Cedar	30	Sapling/Pole	4							
	Jack Pine	5	Sapling	2							
	White Pine	10	Sapling	2							
	Black Spruce	45	Sapling	2	27						
	Red Pine	5	Sapling	2							
51	4134 - Asp	en, Spruce/	Fir S	Sapling N	/ledium	1.8	8	1-50	N/A		[10/28/15 TI] Stand was cut as part of Big Squirrel Country Sale # 41
	Canopy Species	% Cover	Size Class	DBH	Age						051-13-01.
	Red Maple	30	Sapling	1							
	Bigtooth Aspen	40	Sapling	1	8						
	Balsam Fir	30	Sapling	1	8						
52		wland Shrub		Nonsto		3.1		mmature	No		



Stand	d Level 4 C	over Type		Size Dens	sity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
53	4130	- Aspen	I	Poletimber	r Well	20.8	37	51-80	N/A		GEMS treatment planned in 2042
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Pole/Sapling	5		Ва	lsam Fir	Medium	10 - 20 feet	Sapling	
	White Pine	5	Pole/Sapling	5		Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	
	Red Oak	5	Log/Pole	12							
	Bigtooth Aspen	85	Pole	7	37						
54	6120 - Lo	wland Ceda		Poletimber		65.4	73	81-110	N/A		cedar size varies in stand
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	orthern White Cedar	85	Pole/Sapling	7	73	Ва	lsam Fir	Medium	< 5 feet	Sapling	
	White Spruce	10	Pole	7		Northerr	White Cedar	Medium	10 - 20 feet	Sapling	
	Paper Birch	5	Pole/Sapling	7							-
55	42210 - Na	tural Red P	ine	Sawtimber	r Well	12.2	71	81-110	N/A		other species were cut out of stand in past leaving a sparse canopy of
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	red pine and white pine. Regen is mostly aspen/fir and almost reaching the canopy.
	Red Oak	5	Log	14		Whi	te Spruce	Medium	10 - 20 feet	Sapling	
	Red Pine	75	Log	14	71	Re	d Maple	Medium	>20 feet	Sapling	
	White Pine	20	Log	14		Bigto	oth Aspen	High	>20 feet	Sapling	
		, ,				Ва	lsam Fir	High	10 - 20 feet	Sapling	
56	4311 - Pin	e, Aspen M	1ix	Sapling V	Nell	5.9	8	1-50	N/A		[10/28/15 TI] Stand was cut as part of Big Squirrel Country Sale # 41-051
	Canopy Species	% Cover	Size Class	DBH A	Age						13-01.
	White Pine	10	Log	14							
	Balsam Fir	25	Sapling	2	8						
	Red Pine	10	Log	14							
	Bigtooth Aspen	55	Sapling	2	8						
57	4131 - A	Aspen, Oak	ı	Poletimber	r Well	22.9	51	81-110	N/A		GEMS treatment planned in 2022.
	Canopy Species		Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	65	Pole	7	51	Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	
	White Pine	5	Pole/Log	9		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Red Pine	5	Log/Pole	12		Re	ed Maple	Low	10 - 20 feet	Sapling	
	Red Oak	20	Log/Pole	13		WI	nite Pine	Low	10 - 20 feet	Sapling	
	Jack Pine	5	Pole	6		R	ed Oak	Low	10 - 20 feet	Sapling	
58	4133 - Asp	en, Mixed P	Pine	Sapling V	Nell	21.6	7	1-50	N/A		10/28/2015 TI] Stand was cut as part of Big Squirrel Country Sale #41-
	Canopy Species	% Cover	Size Class	DBH A	Age						051-13-01. TCR date 8/15/15. Residual: white pine 15', hemlock 2', red pine 13'.
	White Pine	20	Log	14							•
	Balsam Fir	10	Sapling	1							
	Bigtooth Aspen	60	Sapling	1	7						
	Red Maple	10	Sapling	1							



Stand	Level 4 Cover Type			Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN .
59	4319 - Mixed	Upland Fo	orest	Sawtimb	er Wel	l 11.4	77	141-170	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Paper Birch	10	Log/Pole	10		Northern	n White Cedar	Low	< 5 feet	Sapling		
	White Pine	20	Log	12		Ва	ılsam Fir	Medium	10 - 20 feet	Sapling		
	Bigtooth Aspen	25	Log	12	77							
	Red Pine	10	Log	12								
No	rthern White Cedar	5	Log/Pole	12								
	Balsam Fir	5	Pole	9								
	Red Maple	20	Log/Pole	10								
	Hemlock	5	Log	14								
60	42221 - Natural Deci	Jack Pine, duous	Mixed	Poletimb	er Wel	l 11.2	52	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Jack Pine	60	Pole	8	52	Ja	ack Pine	Medium	5 - 10 feet	Sapling		
	White Pine	5	Log/Pole	12		Ba	ılsam Fir	Medium	5 - 10 feet	Sapling		
	Red Pine	5	Log/Pole	12		1				1		
	Bigtooth Aspen	30	Pole	6								
62	6117 - Lowland I Coni	Deciduous, ferous	, Mixed	Saplino	j Well	6.2	27	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	20	Sapling	3		Ва	ılsam Fir	High	5 - 10 feet	Sapling		
	Bigtooth Aspen	20	Sapling	3			Alder	Medium	5 - 10 feet	Tall Shrub		
	Paper Birch	30	Sapling	3	27						•	
	Balsam Fir	30	Sapling	3	27							
63	429 - Mixed U	Jpland Con	nifers	Poletimb	er Wel	l 8.4	57	81-110	N/A		even mix of high and low ground. jp on ridges,bs on low ground	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	White Pine	5	Log	14		Northern	n White Cedar	Low	5 - 10 feet	Sapling		
	Balsam Fir	5	Pole	8		Ва	llsam Fir	Low	5 - 10 feet	Sapling		
	Paper Birch	5	Pole	6		Blac	ck Spruce	Medium	5 - 10 feet	Sapling		
	Red Pine	5	Log	14								
No	rthern White Cedar	10	Pole/Saplin	ng 5								
	Red Maple	5	Pole	9								
	Black Spruce	35	Pole	8	57							
	Jack Pine	30	Pole	9	57							



Stand	Level 4 C	Level 4 Cover Type			nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
64	4191 - Mixed Upland Deciduous wi Conifer		ous with	Poletimb	er Well	14.4	39	81-110	N/A		GEMS treatment planned in year 2032
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	35	Pole/Sapling	g 5	39	Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Red Oak	25	Log	12		R	ed Oak	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Pole	5		WI	nite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	10	Pole/Sapling	g 7		Re	d Maple	Low	10 - 20 feet	Sapling	
	Red Pine	15	Log/Pole	12		Asp	en (spp.)	Medium	10 - 20 feet	Sapling	
	White Pine	10	Log/Pole	12							
65	500 -	- Water		Nonsto	ocked	1.2			No		
66	42390 - Mixed Non-	-Pine Uplar	nd Conifers	Poletimb	er Well	33.9	76	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	20	Pole	8		Ва	lsam Fir	Medium	< 5 feet	Sapling	
No	rthern White Cedar	20	Pole	8	76						
	Red Maple	20	Pole	8							
	Hemlock	20	Pole	10							
	Balsam Fir	20	Pole	8							
67		wland Ceda		Poletimb		81.1	76	81-110	N/A		
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size	
No	rthern White Cedar	90	Pole	6	76	Ва	lsam Fir	Medium	< 5 feet	Sapling	
	Black Spruce	10	Pole/Sapling	g 5							
68	42350 - Up	land Hemlo	ock	Sawtimb	er Well	16.5	113	111-140	N/A		
69	4130	- Aspen		Sapling	g Well	19.9	5	1-50	N/A		Stand was cut as part of Sale #41-001-17-01 Garden Grade GEM 2017.
	Canopy Species	% Cover	Size Class	DBH	l Age						GEMS treatment planned in 2057.
	Bigtooth Aspen	90	Sapling	1	5						
	Red Oak	10	Pole	7							
72	4123 -	Red Oak		Sawtimb	er Well	98.2	82	111-140	N/A		Aspen/red maple removed in 1985.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	10	Pole	7		WI	nite Pine	Medium	5 - 10 feet	Sapling	
	Red Maple	5	Pole	7		R	ed Oak	High	10 - 20 feet	Sapling	



Stan	Level 4 Cover Type		Size Density			Acres	Acres Stand Age BA Range			ite	General Comments
73	4131 - A	spen, Oak	P	oletimb	oer Well	20.5	51	81-110	N/A		GEMS treatment planned in 2027
	Canopy Species	., .		Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Bigtooth Aspen	65	Pole	7	51	Bigto	Bigtooth Aspen		10 - 20 feet	Sapling	
	White Pine	5	Pole/Log	9		R	Red Oak		10 - 20 feet	Sapling	
	Red Pine	5	Log/Pole	12		Ва	Balsam Fir		5 - 10 feet	Sapling	
	Red Oak	20	Log/Pole	12		Re	Red Maple		10 - 20 feet	Sapling	
	Jack Pine	5	Pole	6		Wh	nite Pine	Low	10 - 20 feet	Sapling	
74	4131 - A	spen, Oak	P	oletim	oer Well	l 19.7	51	81-110	N/A		GEMS treatment planned in 2032.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	65	Pole	7	51	Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	
	Red Pine	5	Log/Pole	12		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	White Pine	5	Pole/Log	9		R	ed Oak	Low	10 - 20 feet	Sapling	
	Red Oak	20	Log/Pole	13		Re	d Maple	Low	10 - 20 feet	Sapling	
	Jack Pine	5	Pole	6		Wh	nite Pine	Low	10 - 20 feet	Sapling	
75	75 42380 - Non Pine Upland Conifer, Mixed Sapling Well Deciduous				30.4	36	1-50	N/A		limestone rock, poor site. Gems treatment planned 2052. Stand was originally 2 GEMS treatments, however due to poor, rocky, site conditions	
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	it was combined into 1 treatment with a late period. Southern portion is
	Canopy Species White Spruce	% Cover 15	Size Class Sapling	DB l	H Age		nopy Species Isam Fir	Density High	Avg. Height 5 - 10 feet	Size Sapling	mostly balsam.
					H Age						
	White Spruce	15	Sapling	2	Age 36						
76	White Spruce Balsam Fir Bigtooth Aspen	15 40	Sapling Sapling Sapling/Pole	2 4 4		Ва					
76	White Spruce Balsam Fir Bigtooth Aspen	15 40 40	Sapling Sapling Sapling/Pole	2 4 4 oletimi	36	Ba	Isam Fir	High	5 - 10 feet		mostly balsam.
76	White Spruce Balsam Fir Bigtooth Aspen 4130	15 40 40 - Aspen	Sapling Sapling/Pole	2 4 4 oletimi	36 per Well	17.0 Sub-Ca	Isam Fir	High 51-80	5 - 10 feet	Sapling	mostly balsam.
76	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species	15 40 40 - Aspen % Cover	Sapling Sapling/Pole Policy Size Class	2 4 4 Deletime	36 per Well	Ba 17.0 Sub-Ca Bigto	37 nopy Species	High 51-80 Density	5 - 10 feet N/A Avg. Height	Sapling	mostly balsam.
76	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine	15 40 40 - Aspen % Cover 5	Sapling Sapling/Pole Pole Size Class Pole/Sapling	2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	36 per Well	Ba 17.0 Sub-Ca Bigto	37 nopy Species oth Aspen	High 51-80 Density Medium	N/A Avg. Height 10 - 20 feet	Sapling Size Sapling	mostly balsam.
76	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak	15 40 40 - Aspen 5 5	Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole	2 4 4 5 5 12	36 Der Well	Ba 17.0 Sub-Ca Bigto	37 nopy Species oth Aspen	High 51-80 Density Medium	N/A Avg. Height 10 - 20 feet	Sapling Size Sapling	mostly balsam.
76	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir	15 40 40 40 - Aspen 5 5 85	Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole Pole/Sapling	2 4 4 4 Deletimber 5 12 7 5	36 Der Well	Ball 17.0 Sub-Ca Bigto Ba	37 nopy Species oth Aspen Isam Fir	High 51-80 Density Medium	N/A Avg. Height 10 - 20 feet	Sapling Size Sapling	mostly balsam.
	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir	15 40 40 - Aspen % Cover 5 5 85 5	Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole Pole/Sapling	2	36 Der Well H Age	Ball 17.0 Sub-Ca Bigto Ball 22.0	37 nopy Species oth Aspen Isam Fir	High 51-80 Density Medium Medium	N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Size Sapling	GEMS treatment planned in 2027
	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir	15 40 40 - Aspen % Cover 5 5 85 5	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole Pole/Sapling	2	36 Der Well 37 Der Well	Ball 17.0 Sub-Ca Bigto Ball 22.0 Sub-Ca	37 nopy Species oth Aspen Isam Fir	High 51-80 Density Medium Medium 81-110	N/A Avg. Height 10 - 20 feet 10 - 20 feet	Size Sapling Sapling Sapling	GEMS treatment planned in 2027
	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A	15 40 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole Pole/Sapling Size Class	2	36 Der Well 37 Der Well	Ball 17.0 Sub-Ca Bigto Ball 22.0 Sub-Ca	37 nopy Species oth Aspen Isam Fir 37 nopy Species	51-80 Density Medium Medium 81-110 Density	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height	Size Sapling Sapling Sapling	GEMS treatment planned in 2027
	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A Canopy Species Red Oak	15 40 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover 25	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole Pole/Sapling Size Class Log/Pole	2	36 Der Well H Age 37 Der Well	Ball 17.0 Sub-Ca Bigto Ball 22.0 Sub-Ca R	37 nopy Species oth Aspen Isam Fir 37 nopy Species ed Oak	High 51-80 Density Medium Medium 81-110 Density Low	N/A Avg. Height 10 - 20 feet N/A Avg. Height 10 - 20 feet	Size Sapling Sapling Size Sapling	GEMS treatment planned in 2027
	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A Canopy Species Red Oak Bigtooth Aspen	15 40 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover 25	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole/Sapling Size Class Pole/Sapling Pole/Sapling	2	36 Der Well H Age 37 Der Well	Baa 17.0 Sub-Ca Bigto Ba 22.0 Sub-Ca R WH Bigto	37 nopy Species ooth Aspen Isam Fir 37 nopy Species ed Oak nite Pine ooth Aspen	51-80 Density Medium Medium 81-110 Density Low Low	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet < 5 feet	Size Sapling Sapling Size Sapling Sapling Sapling	GEMS treatment planned in 2027
77	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A Canopy Species Red Oak Bigtooth Aspen	15 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover 25 75	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole/Sapling Size Class Pole/Sapling Pole/Sapling	2	36 Der Well 37 Der Well 4 Age 37	Baa	37 nopy Species oth Aspen Isam Fir 37 nopy Species ed Oak nite Pine oth Aspen	High 51-80 Density Medium Medium 81-110 Density Low Low Low	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	Size Sapling Sapling Size Sapling Sapling Sapling	GEMS treatment planned in 2027 Stand cut in 1985. GEMS treatment planned in 2022.
77	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A Canopy Species Red Oak Bigtooth Aspen	15 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover 25 75	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole Pole/Sapling	2	36 Der Well 37 Der Well 37	Ball 17.0 Sub-Ca Bigto Ball 22.0 Sub-Ca R Wh Bigto 17.2 Sub-Ca	37 nopy Species oth Aspen Isam Fir 37 nopy Species ed Oak nite Pine oth Aspen 37	High 51-80 Density Medium Medium 81-110 Density Low Low Low 81-110	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet × 5 feet 10 - 20 feet	Size Sapling Sapling Size Sapling Sapling Sapling Sapling	GEMS treatment planned in 2027 Stand cut in 1985. GEMS treatment planned in 2022.
77	White Spruce Balsam Fir Bigtooth Aspen 4130 Canopy Species White Pine Red Oak Bigtooth Aspen Balsam Fir 4131 - A Canopy Species Red Oak Bigtooth Aspen At 31 - A Canopy Species Canopy Species Canopy Species	15 40 40 40 - Aspen % Cover 5 5 85 5 sspen, Oak % Cover 25 75 sspen, Oak % Cover 0 25 Co	Sapling Sapling Sapling/Pole Pole Size Class Pole/Sapling Log/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Size Class Log/Pole Pole Pole	2	36 Der Well H Age 37 Der Well H Age 37	Bable	37 nopy Species oth Aspen Isam Fir 37 nopy Species ed Oak nite Pine oth Aspen 37 nopy Species	51-80 Density Medium Medium 81-110 Density Low Low Low B1-110 Density	N/A Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet < 5 feet 10 - 20 feet N/A Avg. Height Avg. Height	Size Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	GEMS treatment planned in 2027 Stand cut in 1985. GEMS treatment planned in 2022.



Stand	d Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age I	BA Range	Managed S	ite	General Comments				
80	4131 - <i>F</i>	4131 - Aspen, Oak			g Well	17.2	16	1-50	N/A		Stand was cut in 2005. TSI was completed in 2006. 13 sq. ft. of oak exis				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	from timbersale cruise. Stand was supposed to get scarified, but that never happened in time. Prior to harvest, it was an even mixture of jack				
	Bigtooth Aspen	65	Sapling	3	16	F	Red Oak	Medium	5 - 10 feet	Sapling					
	Jack Pine	5	Sapling	3							OFMO treatment planned in 2040				
	Red Maple	5	Sapling	2							GEMS treatment planned in 2042				
	Red Oak	25	Pole	9											
81	4130	- Aspen	Po	oletimb	er Well	9.8	37	51-80	N/A		GEMS treatment planned in 2047				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size					
	Jack Pine	5	Pole/Sapling	6		Ва	alsam Fir	Low	5 - 10 feet	Sapling					
	Red Oak	15	Log	12											
	Red Maple	5	Pole/Sapling	6											
	Black Cherry	5	Pole/Sapling	6											
	Bigtooth Aspen	70	Pole/Sapling	6	37										
82	310 - Herbac	ceous Open	land	Nonsto	ocked	4.8	0		No						
83	42110 - Pla	Planted Red Pine Poletimber		Poletimber \		Poletimber V		Poletimber Wel		47.7	59	111-140	N/A		Stand was cut as part of Treed Santa Sale # 41-042-13-01. TCR Date 7/22/2014.
	Canopy Species	% Cover	Size Class	DBH	l Age						1/22/2014.				
	Jack Pine	2	Pole	8											
	Red Pine	96	Pole	9	59										
	Red Oak	2	Log	14											
84	310 - Herbad	ceous Open	land	Nonsto	ocked	8.2	0 ι	Jnspecified	No						