

# **Compartment Review Presentation**

**Traverse City Forest Management Unit** 

Compartment 61145 Entry Year: 2019 Acreage: 1,795

County: Kalkaska

Management Area: High Sand Plains

Stand Examiner: Katie Armstrong

**Legal Description:** 

T25N R6W Sections 19, 20 and 21

## **Identified Planning Goals:**

This compartment is part of the Kirtland's Warbler Management Area and is managed to create habitat for the federally endangered Kirtland's Warbler (KW). Management is guided by the KW Breeding Range Conservation Plan and the Operational Plan for KW Habitat Management on Michigan State Forests. Some of the stands in this management area have been identified as essential habitat for the KW. Management on the stands that are not identified as essential habitat is guided by the Regional State Forest Management Plan and will emphasize balancing the age classes of aspen and red pine and regenerating the aging oak resource. Management activities may be constrained or modified based on the management recommendations described in the Conservation Plan. Expected challenges within this 10-year planning period include introduced pests and diseases and ensuring adequate jack pine regeneration on KW sites. Much of the oak along Naples Road is dead and dying so planned cuts will attempt to salvage remaining value and create conditions conducive to oak regeneration.

## Soil and topography:

Most of the compartment sits on sand especially Rubicon sand and Croswell sand. There are also areas poorly and moderately drained soils such as mucks. Most of the compartment is flat with some topography near the streams.

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

The State acquired 40 acres within this compartment since the last inventory. There are two areas of private ownership, totalling 120 acres.

#### **Unique Natural Features:**

See other sections.

#### **Archeological, Historical, and Cultural Features:**

There is an identified site in Section 21, but it was determined to be not significant and does not need to be avoided.

### **Special Management Designations or Considerations:**

A stand in the northwest corner of the compartment was included in an SCA for "Other Habitat Area," a relatively good example of a hardwood-conifer swamp, which extends into Compartment 243. The compartment contains polygons for two rare species.

#### **Watershed and Fisheries Considerations:**

Big Cannon Creek and a tributary to Little Cannon Creek flow through this compartment. Both are Designated Trout Streams. Big Cannon Creek has naturally reproducing populations of brook, brown, and rainbow trout. Treatments near these streams should have a BMP buffer of at least 100 feet. Both of these streams are protected by the Natural Rivers plan for the Manistee River.

#### Wildlife Habitat Considerations:

Compartment 145 is part of a broad, flat outwash plain, comprised mainly of excessively drained soils. Grayling sand predominates, creating a flat, drought-prone landscape adapted to frequent wildfires. The Sharon Area Kirtland's Warbler (KW) Management Unit includes most of Compartment 145, making habitat management for KWs a priority in this compartment. Management is guided by the Kirtland's Warbler Recovery Plan, developed by State and Federal agencies, academics, and other interested parties in 1976 and updated in 1985. It is currently undergoing a third revision to facilitate management efforts to increase the Kirtland's warbler populations throughout their limited range. These jack pine stands also provide habitat for the upland sandpiper, Eastern bluebird, white tailed deer, black bear, snowshoe hare, and for several protected prairie plants, including the Allegheny plum, Hill's thistle, and rough fescue. Prescribed burning, hand felling, along with some potential seeding of native forage grasses have been proposed to maintain important herbaceous cover. Elements of coarse woody debris, mast bearing residual trees, and/or cover islands should be incorporated into the proposed timber sales to provide key habitat components in the resulting stands.

A small patch of poorly drained soils (LTA 5149) is located in the south central part of the compartment. These mucky soils support a stand of lowland aspen and a sizeable stand of lowland conifer that extends south into the next compartment. Wildlife utilizing these lowland communities include: white-tailed deer, bobcat, black bear, snowshoe hare, alder flycatcher, Eastern milk snake, and wood turtle.

## Mineral Resource and Development Concerns and/or Restrictions

There is no known metallic mineral potential in this region. A former sand/gravel pit is located in sections 33-34. There is some sand and gravel potential within the compartment, but the water table appears to be relatively shallow across much of the area, which could limit development potential. The Garfield 14 and 15 fields are located to the northeast of the compartment. The fields produce from the Devonian Richfield (Lucas Formation) and the Ordovician St. Peter Sandstone. The entire compartment was previously leased as part of the Collingwood lease play. All of the leases are now expired, and there currently is no interest in developing the Collingwood. Potential for additional Richfield or St. Peter SS production in the area is unknown.

#### **Vehicle Access:**

South Sharon Road, Beaver Dam, Naples, and Cannon Bridge roads are county roads running through the compartment. The Kalkaska County Road Commission closed the bridge over Big Cannon Creek, but there is access from either side. The overgrown forest roads through the large jack pine stands managed for Kirtland warbler should be closed (until needed) to block vehicular traffic, especially during nesting season.

#### **Survey Needs:**

None identified at this time.

## **Recreational Facilities and Opportunities:**

There are no designated recreational trails or facilities within this compartment. (T.M.N. 10/10/16)

#### **Fire Protection:**

Fire protection in this compartment is provided by Garfield Township and the DNR Kalkaska Field Office. Sections 20 and 21 are within Zone 5, meaning additional resources will be dispatched from nearby offices for fires on High and above days.

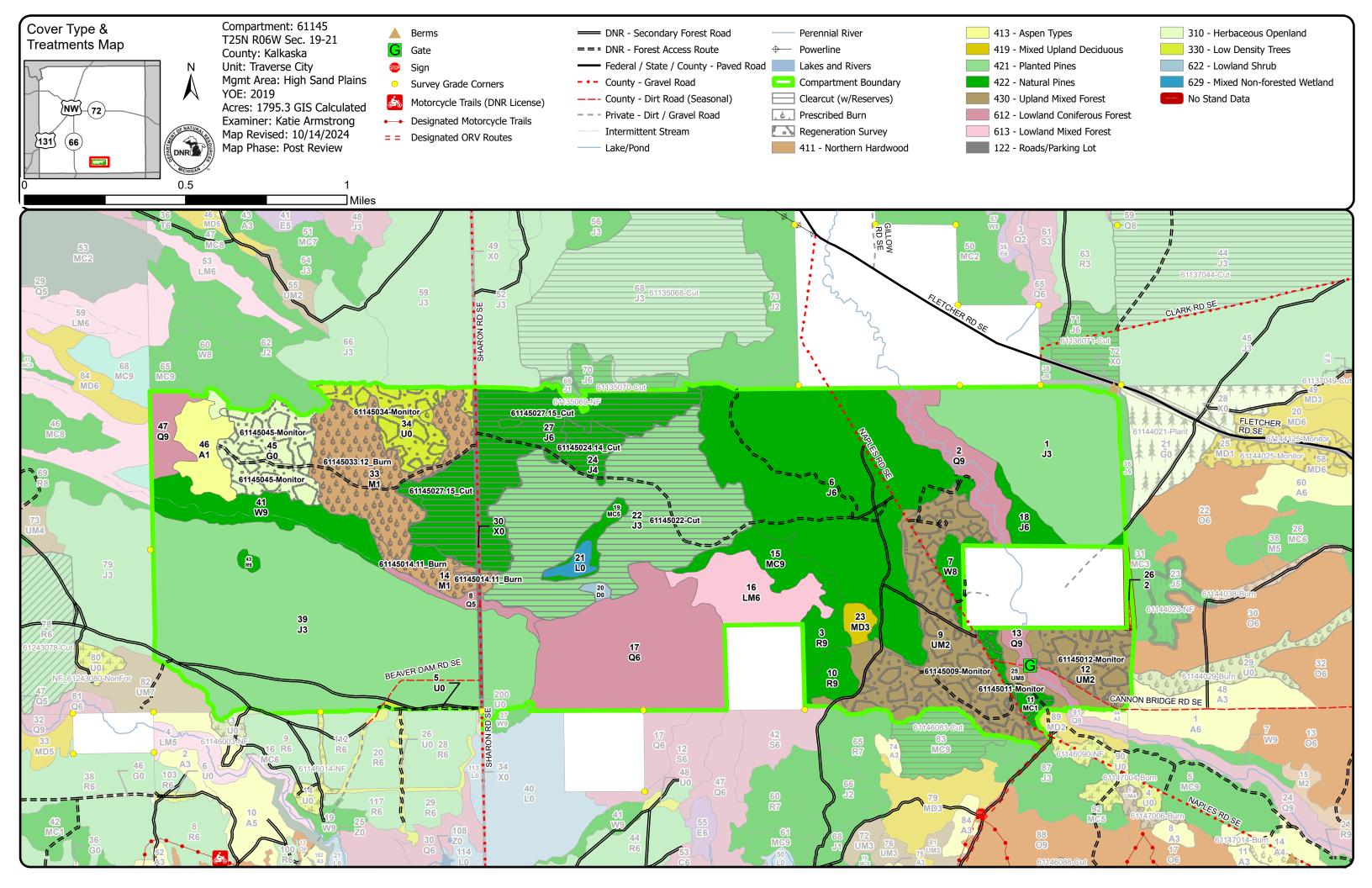
#### **Additional Compartment Information:**

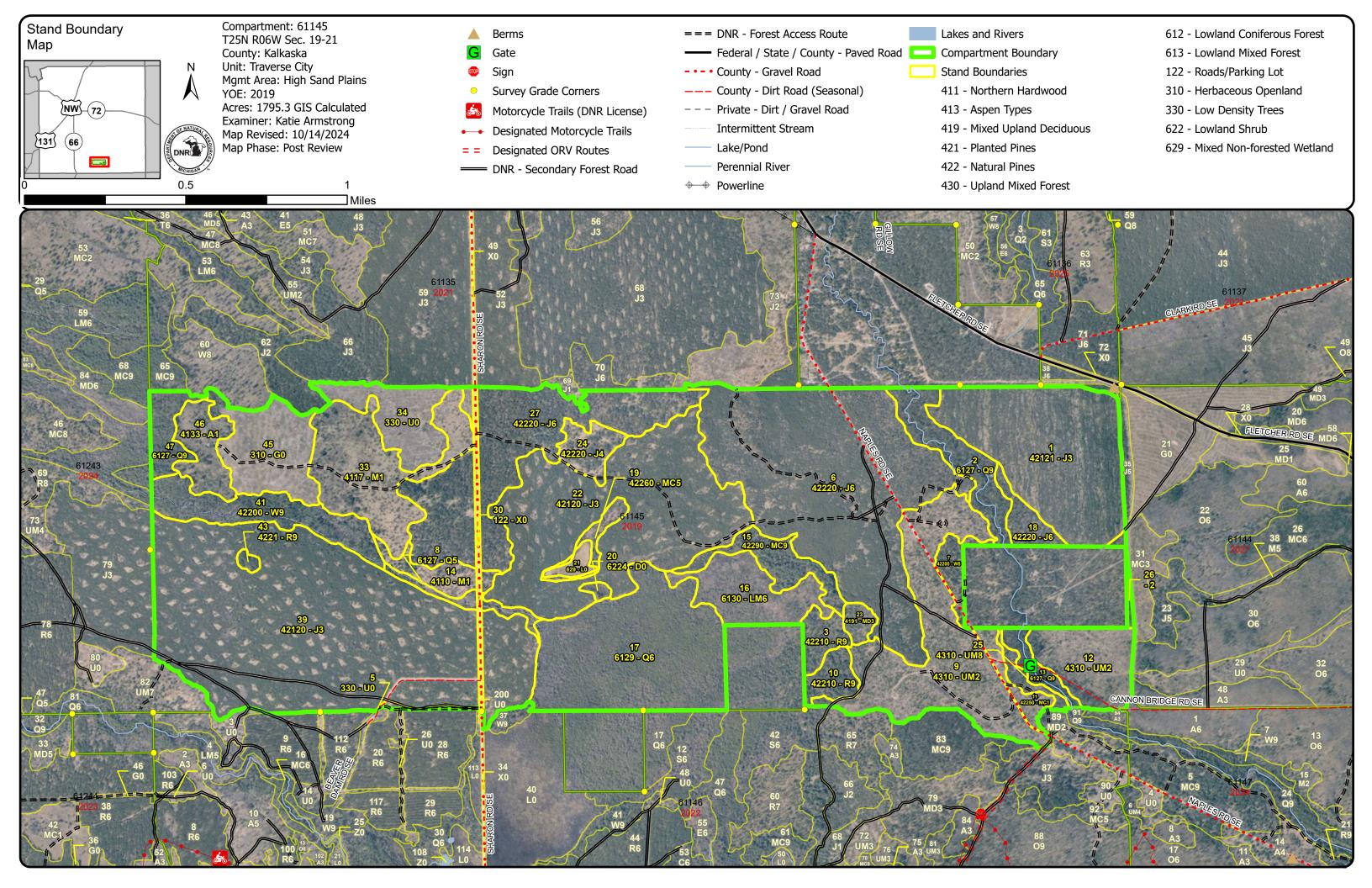
The following reports from the Inventory are attached:

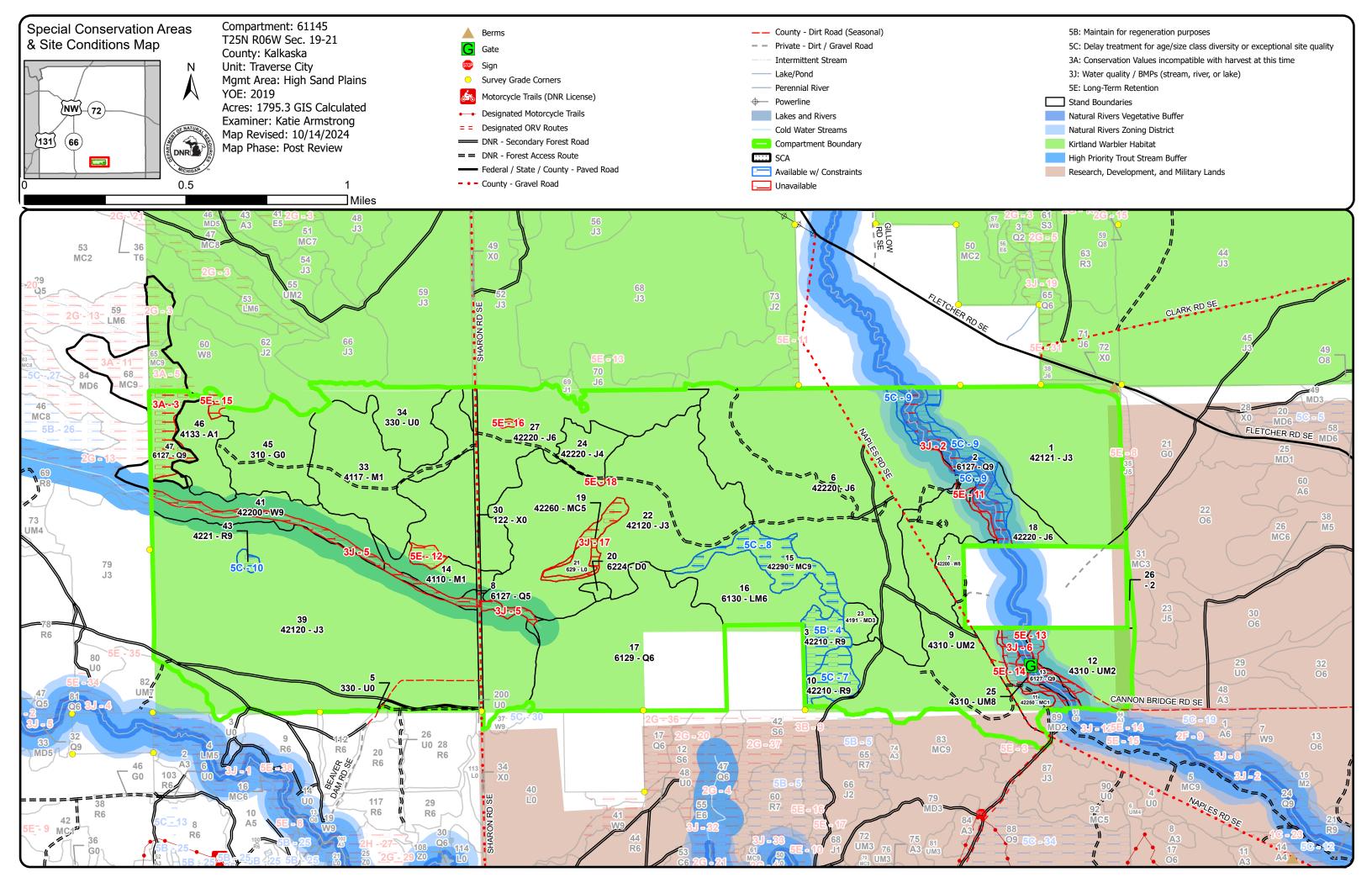
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Traverse City Mgt. Unit

Katie Armstrong: Examiner

Compartment 145 Year of Entry 2019



# Age Class

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	/	<i>*</i> /		_ /	_ /	_ /	_ /	_ /	_ /	_ /	_ /	_ /	<b>'</b> /	<u> </u>	_ /	/ /	/_/	/ /	
		Korie / C	§ / ¿		\$ \\ \&	3 / &		ું / હ	8/8	8	\$ \ <b>x</b>				,		;	3 / July	No. No.
	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Aspen	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Herbaceous Openland	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Jack Pine	0	0	0	516	125	251	136	0	0	0	0	0	0	0	0	0	0	0	1028
Low-Density Trees	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	178	0	17	0	0	0	0	9	204
Lowland Mixed Forest	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Natural Mixed Pines	0	11	0	0	0	0	0	8	0	0	25	0	0	0	0	0	0	0	43
Northern Hardwood	0	0	0	0	16	77	0	0	0	0	0	0	0	0	0	0	0	0	92
Red Pine	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	2	27
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	41	117	0	0	0	0	0	0	0	0	7	0	0	0	0	0	164
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	11	0	45	0	0	0	0	0	0	56
Total	105	11	73	633	141	328	177	8	0	36	203	45	24	0	0	0	0	11	1792



# **Report 2 – Treatment Summary**

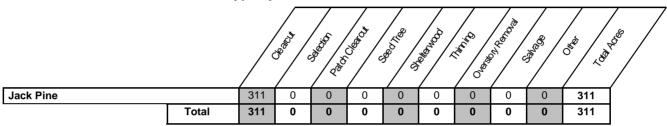
# Traverse CityMgt. Unit Year of Entry: 2019

#### **Acres of Harvest**

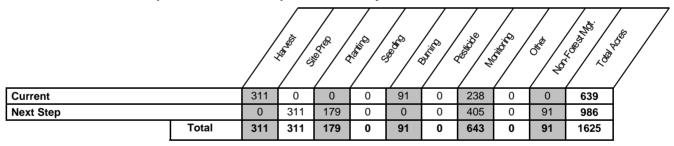
Compartment 145
Total Compartment Acres: 1,795

Commercial Harvest - 311 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

# **Cover Type by Harvest Method**



# **Proposed and Next Step Treatments by Method**



Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 145 Year of Entry: 2019

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**Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat Method Age Objective Structure Name CoverType Density Range Type Cut

**Proposed Treatments:** 

4212 - Planted 22 61145022-Cut 42120 - Planted 179.3 Sapling Immatu Harvest Clearcut Even-Aged No Jack Pine Well Jack Pine re

Prescription Cut all trees 1 inches and larger. Require chipping and low stumps to facilitate planting operations. Biomass harvest

Specs:

Next Step SitePrep, Trenching; Planting, KW Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

**Treatments:** 

Acceptable Planted jack pine KW

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2024

**Approved Treatments:** 

61145009-108.9 4310 - Pine, Oak Mix Sapling 23 1-50 Monitoring Natural Regen 4319 - Mixed Even-Aged No Monitor Medium (Re-Inventory) **Upland Forest** 

Prescription

Specs:

Next Step

Treatments:

Acceptable Oak, pine, aspen, maple.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/1 /2026

61145011-10.9 42250 - Pine, Oak Sapling 1-50 Natural Regen 4310 - Pine, 4 Monitoring Even-Aged Nο Poor (Re-Inventory) Oak Mix

Monitor

**Prescription** 

Specs:

Next Step

Treatments:

Acceptable White pine, red pine, jack pine, oak, aspen, red maple.

Regen:

**Other** Percent to Treat = 100%

Comment:

Site Condition:

S t						rt 3 <sup>-</sup>	Treatments	Compartmer Year of Entr		DNR DNR	
a n Treat d Nai		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	15012- nitor	34.7 4	310 - Pine, Oak Mix	Sapling Medium	13	1-50	Monitoring	Natural Regen (Re-Inventory)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
Prescription Specs:											
Next Step Treatments:											
Acceptable Regen:	White p	ine, jack p	pine, red pine, asper	n, oak, red	maple,	cherry.					
Other Comment:	Percent	to Treat =	= 100%								
Site Condition	on:										
Proposed St	tart Date:	10/1 /20	26								
	014.11_ urn	14.3 4	110 - Sugar Maple Association	Sapling Poor	36	Immatu re	Burn	Opening	3105 - Mixed Upland Herbaceous		No
Prescription Specs:	based oneeded	on currents by herbici	onal burning is to res s needs of restoratio iding or other metho r encroachment.	n such as	reducir	ng woody	encroachment c	or promoting grasse	s versus forbs.	Remove exoti	cs as
Next Step Treatments:		estMgt, O	ther - Specify								
Acceptable Regen:											
Other Comment:			and that are not able mature trees and ve		hould b	e treated	mechanically to	achieve similar MO	as the burn unit	. Back burn c	or foam
Site Condition	on:										
Proposed St	tart Date:	10/1 /20	18								
	024.14_ Cut	15.3	42220 - Natural Jack Pine	Poletimbe Poor	er 46	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No

Prescription Clearcut, leaving retention along edge of younger stand. Include specs to facilitate natural regeneration, e.g. leaving limbs/tops scattered throughout stand.

Specs:

Next Step Treatments: SitePrep, Scarification

<u>Acceptable</u> Naturally regenerated jack pine for KW habitat. <u>Regen:</u>

Other Comment:

Site Condition:

Traverse	City	Mgt.	Unit
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Report 3 -- Treatments

Compartment: 145

1	5 t									Year of Entr	y: 2019	DNR
1	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
2	27 6	51145027.15_ Cut	116.3	42220 - Natural Jack Pine	Poletimbe Well	er 58	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
	rescr	•		retention as pocket leaving limbs/tops					orner, as one examp	le. Include specs	to facilitate na	atural
	lext S reatm	<u>step</u> SitePre nents:	p, Scarific	ation								
	ccept Regen		ly regener	ated jack pine for K	(W habitat.							
	Other Comm		treatment	on Comp 135 Star	nd 70 to the	north.						
<u>s</u>	ite Co	ondition:										
P	ropos	sed Start Date:	10/1 /20	20								
3	33 6	61145033.12_ Burn	76.3	4117 - Mixed N. Hardwood - Pine	Sapling Poor	42	1-50	Burn	Opening	3105 - Mixed Upland Herbaceous		No
	rescr pecs:	based oneeded	on currents I by herbic	s needs of restorati	on such as	reducin	ig woody e	encroachment	ecosystem. The tim or promoting grasse eding of native grass	s versus forbs. I	Řemove exoti	cs as
	lext S reatm	itep NonFor nents:	estMgt, O	ther - Specify								
	ccept Regen											
	Other Comm			and that are not ab mature trees and ve		hould b	e treated	mechanically to	o achieve similar MC	as the burn unit	. Back burn c	or foam
<u>S</u>	ite Co	ondition:										
E	ropos	sed Start Date:	10/1 /20	18								
	34	61145034- Monitor	37.2	330 - Low-Density Trees	Nonstocke	ed 0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4222 - Natural Jack Pine	Even-Aged	No
	rescr pecs:	<u>iption</u> <u>:</u>										

Next Step Treatments:

<u>Acceptable</u> Jack pine, white pine, red pine, oak. <u>Regen:</u>

Percent to Treat = 100%

Other Comment:

Site Condition:

S t			1	Repo	rt 3 <sup>-</sup>	Treatments	Compartmer Year of Entr	DNR			
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
45	61145045- Monitor	46.1	310 - Herbaceous Openland	Nonstocke	d 0	Unspec ified	Monitoring	Artificial Regen(1yr)	4211 - Planted Red Pine	Even-Aged	No
Preso Spec	cription s:										
	Step ; ; ; ments:	; Monito	oring, Artificial Rege	n(3yr)							
Acce Rege		tocked red	d pine stand.								
Other Comm	Percer	nt to Treat	= 100%								
Site 0	Condition:										

Total Treatment 639.3 Acreage Proposed:

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Compartment: 145 Year of Entry: 2019



Availability for Management

Availe	ability loi	Managemen	11.						
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	S
Acres	Available	With Condition	Not Available		5B	5C	ЗА	3J	5E
24	24	0	0	Aspen					0
50	47	0	2	Herbaceous Openland					2
1028	1021	0	7	Jack Pine				1	6
40	40	0	0	Low-Density Trees					
203	135	14	54	Lowland Conifers		14	17	35	2
41	41	0	0	Lowland Mixed Forest					
5	5	0	0	Lowland Shrub					
6	6	0	0	Mixed Upland Deciduous					
43	11	25	8	Natural Mixed Pines		25		8	0
92	92	0	0	Northern Hardwood					
27	1	26	0	Red Pine	12	14			
2	2	0	0	Treed Bog					
165	155	0	11	Upland Mixed Forest				1	10
8	8	0	0	Urban					
56	45	0	11	White Pine				11	
1,793	1,636	64	93	Total Forested Acres	12	52	17	56	20
_	91%	4%	5%	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	
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:  Natural Rivers buffer = 100' on Big Cannon Creek. May need to be increased where there is a bluff.							
3	Unavailable	3A: Conservation Values incompatible with harvest at this time	17	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Unusual stand. SCA for Other Habitat Area.							

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4	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 50' buffer on tributa	ary of Manistee, per Natural Rive	ers plan.				
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 100' buffer on Big (	Cannon Creek per Manistee Riv	er natura	l rivers plan. May need to	be increased where there	is a bluff.	
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hold until stand to	the north is final harvested.					
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Not sure how to re	plicate this stand. Save as an isl	and of di	versity in a compartment	with lots of KW jack pine.		
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Save for diversity a	along stream between KW cuts.					

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10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention. Addition	al stream buffer.					
12	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
13	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention. Addition	al stream buffer.					
14	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention. Addition	al stream buffer.					
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						

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17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Co	omments:						
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



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

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

Comments	

Traverse City Mgt. Unit Compartment: 145
Year of Entry 2019



# Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen condi- stocked trout populations and those of other coldwater fish speci- to year. Coldwater streams in Michigan typically provide these co- of groundwater to their stream flows. Such streams are establish trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from year nditions due to substantial contributions
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for include the 5,847 acre Forest Fire Experiment Station, the 12,000 Area, the Beaver Islands Archipelago Wildlife Research Area (the High and Hog Islands, all state owned land on Beaver, South Fow Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Resources, and over 144,000 acres of Military Lands.	O acre Houghton Lake Wildlife Research at includes most of Garden Island, all of and North Fox Islands), the Cusino
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high d communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	unique conditions adjacent to lakes, iversity of plants and wildlife. Riparian ets on water quality and quantity, as well
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and coop U.S. Fish and Wildlife service for the recovery of threatened and 365, Endangered Species Protection, of the Natural Resources at PA 451, and the Federal Endangered Species Act of 1973. This is species plans in various stages of review. As of now only two ex Plover Habitat.	endangered species, as governed by Part and Environmental Protection Act, 1994 s an active program, with proposed
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10	Zoning District is a 400 foot buffer for

DNR DNR DNR

Stand	Level 4 Cover Type				nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments		
1	42121 - Planted Deci	Mixed	Sapling Well		124.9	30	Immature	N/A		Warbler stand, couldn't find planting records. Scattered overstory or white pine and jack pine.			
С	Canopy Species	% Cover	Size Class	DBH	l Age								
No	orthern Pin Oak	15	Sapling	1									
Е	Black Cherry	5	Sapling	1									
	Jack Pine	80	Sapling	1	30								
2	6127 - Lo	wland Pine	e S	awtimb	er Well	34.3	95	81-110	N/A		Big Cannon Creek flows through stand. Diverse stand with good vertical		
С	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	structure. Mostly flat along stream bed with bluff on either side.		
North	nern White Cedar	25	Log/Pole	10		Blac	k Spruce	Low	Variable	Sapling			
Е	Black Spruce	10	Pole	6							1		
	Red Maple	5	Log	12									
	Jack Pine	5	Pole/Log	8									
	White Pine	50	XLog/Log	18	95								
	Red Pine	5	Log	10									
3	42210 - Nat	ural Red P	ine S	Sawtimber Well		12.6	89	81-110	N/A		North part cut with Naples West 61-046-09-01, cut 3-5/2011. Trees		
С	Canopy Species	% Cover Size Class		s DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	marked for removal and all aspen, RM, and JP. Patches of mostly red maple regeneration. Heavy browse. Some wet areas.		
	Red Pine	70	Log/Pole/XLog	14	89	Wh	ite Pine	Medium	5 - 10 feet	Sapling	maple regeneration. Fleavy browse. Some wet areas.		
	White Pine	25	Log/XLog/Pole	16									
	vviiito i iiio		3. 3	1 -		Re	d Maple	Medium	10 - 20 feet	Sapling			
	orthern Pin Oak	5	Pole	6		Re	d Maple	Medium	10 - 20 feet	Sapling			
		5	Pole		ocked	1.7	'	Medium	10 - 20 feet No	Sapling			
No	orthern Pin Oak	5 Density Tre	Pole	6 Nonsto	ocked er Well		0 (			Sapling	Variable stand. Parts are very dense jack pine. Barely a pole stand, and		
5 6	orthern Pin Oak 330 - Low-E	5 Density Tre	Pole	6 Nonsto		1.7	0 (	Unspecified Unspecified	No	Sapling	most stems are still smaller. Cherry in scattered gaps. Part of KW block		
5 6	330 - Low-E 42220 - Nati	5 Density Tre	es Pole	6 Nonsto	er Well	1.7 235.4 <b>Sub-Car</b>	0 (	Unspecified Unspecified	No N/A				
5 6	330 - Low-E 42220 - Natu Canopy Species	5 Density Tre ural Jack P % Cover	es Pole Size Class	6 Nonsto	er Well	1.7 235.4 <b>Sub-Car</b>	0 l	Unspecified Unspecified s Density	No N/A Avg. Height	Size	most stems are still smaller. Cherry in scattered gaps. Part of KW block		
5 6	330 - Low-E 42220 - Natu Canopy Species Jack Pine	Density Tre  ural Jack P  Cover  98 2	es  ine Pole  Size Class  Pole/Sapling  Sapling	6 Nonsto	er Well  Age  44  Medium	1.7 235.4 Sub-Car	0 l	Unspecified Unspecified s Density	No N/A Avg. Height >20 feet N/A	Size	most stems are still smaller. Cherry in scattered gaps. Part of KW block 23. To be planted in 2031.  Cut with Naples Road Jack Pine, 61-068-99-01, cut 7/2000-3/2001. Cut		
5 6 C	330 - Low-E 42220 - Natu Canopy Species Jack Pine Black Cherry	Density Tre  ural Jack P  Cover  98  2  ural White F	es  ine Pole  Size Class  Pole/Sapling  Sapling	Nonsto	er Well Age 44 Medium	1.7 235.4 Sub-Car Norther	0 l 44 l nopy Species ern Pin Oak	Unspecified Unspecified S Density Trace	No N/A Avg. Height >20 feet	Size Sapling	most stems are still smaller. Cherry in scattered gaps. Part of KW block 23. To be planted in 2031.  Cut with Naples Road Jack Pine, 61-068-99-01, cut 7/2000-3/2001. Cut JP, aspen and RM. Left all oak. This part has higher residual BA,		
5 6 C 7 C C	330 - Low-E  42220 - Natu Canopy Species  Jack Pine Black Cherry  42200 - Natu	Density Tre  ural Jack P  Cover  98  2  ural White F	es  ine Pole  Size Class  Pole/Sapling  Sapling  Pine Sav	DBH DBH DBH 13	er Well  Age  44  Medium	1.7 235.4 Sub-Car Norther	0 U 44 U nopy Species ern Pin Oak 87	Unspecified Unspecified S Density Trace	No N/A Avg. Height >20 feet N/A	Size Sapling	most stems are still smaller. Cherry in scattered gaps. Part of KW block 23. To be planted in 2031.  Cut with Naples Road Jack Pine, 61-068-99-01, cut 7/2000-3/2001. Cut JP, aspen and RM. Left all oak. This part has higher residual BA, especially white pine, than rest of that cut. Oak is in very bad shape. Heavy browse on oak seedlings but some have gotten taller than 3'. BA		
5 6 C F 7 C C	330 - Low-E  42220 - Natu Canopy Species  Jack Pine Black Cherry  42200 - Natu	Density Tre  Ural Jack P  Cover  98 2  Ural White F	es  Size Class Pole/Sapling Sapling Pine Sav Size Class	Nonsto	er Well Age 44 Medium	1.7  235.4  Sub-Car  Norther  11.0  Sub-Car	0 Unopy Species 87	Unspecified Unspecified S Density Trace 1-50 S Density	No N/A Avg. Height >20 feet N/A Avg. Height	Size Sapling	most stems are still smaller. Cherry in scattered gaps. Part of KW block 23. To be planted in 2031.  Cut with Naples Road Jack Pine, 61-068-99-01, cut 7/2000-3/2001. Cut JP, aspen and RM. Left all oak. This part has higher residual BA, especially white pine, than rest of that cut. Oak is in very bad shape.		



Stand Le	evel 4 Cover	Туре	Si	ize De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
8 6	3127 - Lowlar	nd Pine	Pole	timber	Medium	9.1	75	51-80	N/A		Narrow strip of trees along seasonal drainage. Variable stand. Bigger
Canopy Sp	ecies %	Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	trees at east end.
Red Pine	9	5	Pole/Log	8		Wh	ite Pine	Trace	Variable	Sapling	
Red Mapl	е	10	Pole	6		Ta	g Alder	Low	5 - 10 feet	Tall Shrub	
Jack Pine	е	15	Pole/Log	8		Blac	k Cherry	Low	5 - 10 feet	Sapling	
Northern Pin	Oak	20	Log	12							-
Quaking As <sub>l</sub>	pen	5	Log/Pole	10							
White Pin	e	45	Log/Pole/Sap	10	75						
g 4310 - Pine, Oak Mix Sapling Mediu						116.5	23	1-50	N/A		2021: Additional overstory removal of dead and dying oak in 2020.
Canopy Sp	ecies %	Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	Dipped into thicker white pine south of section line to chase dying oak.  Left scattered white and red pine in that part and it has heavier white pine
Northern Pin	Oak	22	Sapling	1	23	Northe	rn Pin Oak	Medium	< 5 feet	Sapling	understory. Producers did a good job protecting the advanced regen.
White Pin	ie	5	Log	12	83	Wh	ite Pine	Medium	< 5 feet	Sapling	Previously cut as Naples Road Jack Pine, 61-068-99-01, cut 7/2000-
Jack Pine	е	50	Sapling	1	23						J 3/2001. Cut JP, aspen and RM. Left all oak. KW designation is unclear: north of section line may be part of KW block
White Oa	k	20	Log/Pole	10							23, to be planted in 2031?
Red Pine	)	3	Log	12							•
10 422	210 - Natural	Red Pi	ine Sa		er Well	12.7	89	81-110	N/A		Not sure why this wasn't cut with stand to the north. Red pine diameters and BA are variable; some parts are 170+ and others are 50-80. Patchy
Canopy Sp			Size Class	_	Age		opy Species	Density	Avg. Height	Size	understory. Consider holding until stand to the north is restarted.
Northern Pin		5	Pole/Log	8			ite Pine	Medium	Variable	Sapling	, , , , , , , , , , , , , , , , , , ,
Red Pine			Log/XLog/Pole	14	89		d Maple	Medium	Variable	Sapling	
Black Spru	ice	5	Pole	6			rn Pin Oak	Low	>20 feet	Sapling	
White Pin	ie	25	Log/Pole/XLog	12			k Spruce	Low	5 - 10 feet	Sapling	
						Blac	k Cherry	Low	Variable	Sapling	
11	42250 - Pine	e, Oak	S	Sapling	Poor	11.0	4	1-50	N/A		Cut fall/white 2020-2021. Removed most of oak overstory in favor of
Canopy Sp	ecies %	Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	oak/white pine/jack pine understory.  2017: More white pine at southern end. Heavy browse on oak seedlings.
Northern Pin	Oak	25	Sapling	1		Wh	ite Pine	Medium	>20 feet	Sapling	Some very open areas, possibly used for camping. Past issues with
White Pin	ie	5	Log	12	117	Northe	rn Pin Oak	Low	>20 feet	Sapling	illegal ORV traffic (carsonite sign along stream). Old grade.
Jack Pine	е	25	Sapling	1	4						-
White Oa	k	5	Log/Pole	10							
White Oa Red Pine		5 10	Log/Pole Log	10							

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Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
12	4310 - Pi	ne, Oak Mix	•	Sapling I	Medium	41.4	13	1-50	N/A		Cut fall/winter 2020-21, 61-156-18. Pre-harvest BA was variable (10-120
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	sf/acre) due to variable volume cut in 2011. This was attempt to salvage dying oak and release more of the advanced regen. Producers did a good
	Red Pine	3	Log/Pole	12	113	Northe	rn Pin Oak	Low	< 5 feet	Sapling	job of protecting that. Did not cut sliver at north end between private
Q	uaking Aspen	20	Sapling	1	13	Wh	ite Pine	Medium	Variable	Sapling	property and pipeline. Did not cut south of Cannon Bridge Rd, a small,
	White Pine	42	Sapling	1	13	Red	d Maple	Low	< 5 feet	Sapling	dense pocket of old white pine and red pine (BA 200+). Removed White Pine Log/Pole age of 110 from canopy table.
No	orthern Pin Oak	20	Sapling	1	13						This Eagh did ago of the noningality table.
	White Oak	5	Log/Pole	12							Cannon Bridge, 61-051-09-01, cut May-June, 2011. Relatively low volume
	Jack Pine	5	Sapling	1							sale, but additional dead oak volume was added at the time.
	Red Maple	5	Sapling	1	4						Old railroad grade runs through this part.
13	6127 - Lo	wland Pine		Sawtimb	er Well	10.3	99	51-80	N/A		Big Cannon Creek flows through stand. Steep banks.
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	
North	nern White Cedar	15	Pole/Log	8		Ta	g Alder	Medium	5 - 10 feet	Tall Shrub	
	White Oak	5	Log	12		Wh	ite Pine	Low	>20 feet	Sapling	
No	orthern Pin Oak	5	Log	12		Bal	sam Fir	High	Variable	Sapling	
Q	uaking Aspen	15	Log/Pole	12							•
	White Pine	60	Log/XLog	16	99						
14	4110 - Sugar Maple Association		Sapling	Poor	16.0	36 I	mmature	N/A		Part of opening that doesn't get burned.	
C	Canopy Species	% Cover	Size Class	DBH	Age						
I	Black Cherry	80	Sapling/Pole	e 2	36						
	Jack Pine	20	Sapling	2							
15	42290 - Natu	ıral Mixed F	Pine	Sawtimb	er Well	24.5 94		171-200	N/A		Nice stand with some tall white pine (although fair amount of defect),
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	relatively high species diversity, and good vertical structure. Red maple in understory is relatively well developed. Concerned that cutting would
	Red Maple	10	Pole/Log	8		Red	d Maple	Low	>20 feet	Sapling	push towards red maple. Standing water in some areas. Wetter to the
North	nern White Cedar	5	Pole/Log	8		Bal	sam Fir	Medium	10 - 20 feet	Sapling	south. Less pine in finger to the west. Old grade? Old fire scars and cut
	White Pine	50	XLog/Log	18	94	Wh	ite Pine	Low	>20 feet	Sapling	stumps.
E	Black Spruce	15	Pole	6		Black	k Spruce	Medium	>20 feet	Sapling	
	Red Pine	20	Log	14							
16	6130 - Fir,	Aspen, Map	ole	Poletimb	er Well	41.0	56 U	nspecified	N/A		Relatively dense stand. Habitat cut (hardwood and aspen) in 1967. Hard
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	to tell how wet.
	Red Maple	40	Pole/Sapling	g 5	56	Red	d Maple	Medium	>20 feet	Sapling	
	Balsam Fir	20	Pole	8		Blac	k Cherry	Medium	>20 feet	Sapling	
Е	Black Spruce	15	Pole	6				,			•
	White Pine	5	Log	16							
North	nern White Cedar	5	Pole	8							
	nern White Cedar luaking Aspen	5 10	Pole Pole	8							

Report 7 - Stands



Stand	d Level 4 Cover Type			Size De	nsity	Acres	Stand Age	BA Range	BA Range Managed Si		General Comments			
17	6129 - Mixed Conife	erous Lowl	and Forest F	Poletimb	er Well	132.9	93	Unspecified	N/A					
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size				
	Black Spruce	20	Pole	6		Ta	ıg Alder	High	5 - 10 feet	Tall Shrub				
	Paper Birch	5	Pole	6		Ва	lsam Fir	Medium	Variable	Sapling				
	Tamarack	40	Pole/Log	8	93	Blac	k Spruce	Medium	Variable	Sapling				
No	orthern White Cedar	35	Pole/Log	8										
18	42220 - Nato	ural Jack F	Pine F	Poletimbe	er Well	13.8	53	Unspecified	N/A		Jack pine with scattered oak above and below. Oak is in poor shape.  Heavy browse on oak seedlings. More white pine toward the creek.			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Overhead powerline and access road to seasonal private property along			
	Jack Pine	75	Pole/Sap/Log	9 6	53	Northe	ern Pin Oak	Low	< 5 feet	Seeding	south edge of stand.			
	White Oak	5	Log/Pole	10		Wh	nite Pine	Trace	5 - 10 feet	Sapling				
	White Pine	10	Pole/Log	8		Northe	ern Pin Oak	Low	10 - 20 feet	Sapling				
	Northern Pin Oak	10	Log/Pole	10		Blad	ck Cherry	Low	5 - 10 feet	Sapling				
19	42260 - Natural Pir	ne, Mixed [	Deciduous Po	letimber	Mediun	n 7.9	66	51-80	N/A		Small buffer of trees around V0 and drainage leading into it. BA is			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	variable with some denser pockets of trees, open areas, and tag alder along the drainage. Good diversity within KW planted jack pine stand.			
	White Pine	15	Log/Pole	10			nite Pine	Low	Variable	Sapling	along the dramage. Good diversity within two planted jack pine stand.			
	Red Oak	10	Log/Pole	10		Re	d Maple	Low	Variable	Sapling				
	Red Maple	20	Pole/Log	8		Ta	ng Alder	Low	5 - 10 feet	Tall Shrub				
	Jack Pine	30	Pole/Log	8	66	Ja	ck Pine	Medium	10 - 20 feet	Sapling				
	Red Pine	25	Log/Pole	10	86									
20	6224 - T	reed Bog		Nonsto	cked	2.2		Unspecified	No		Small, sparse treed bog with fringe of trees, mostly older red pine and jack pine.			
21	629 - Mixed non	-forested v	wetland	Nonsto	cked	5.4		Unspecified	No		OPIC - FMD: Area at one time was used as a hay field.			
22		42120 - Planted Jack Pine			1 3				179.5	22	Immature	N/A		Warbler Creek, 61-020-99-01, cut 5-9/2000. Did not find planting record. Managed for Kirtland Warbler.
	Canopy Species		Size Class	DBH	Age						-			
	Black Cherry	2	Sapling	1										
	Red Oak	3	Sapling/Pole											
	Jack Pine	95	Sapling	2	22									
23	•	land Deciduous with onifer		Sapling		6.4	13	Immature	N/A		Naples West, 61-046-09-01, cut 3-5/2011. Cut aspen, RM, BC, WP, and RP. Left all oak. Mostly saplings with residual oak overstory.			
	Canopy Species	% Cover	Size Class	DBH	Age									
	Bigtooth Aspen	35	Sapling	1	13									
	White Pine	20	Sapling	1										
	Red Maple	20	Sapling	1										
	White Oak	5	Sapling/Pole	3										
	Northern Pin Oak	20	Pole/Sapling	5										

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Stand	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age I	BA Range	Managed S	ite	General Comments	
24	42220 - Nat	tural Jack P	ine Po		er Poor	15.7	46 l	Jnspecified	N/A		Part of KW block 25. To be planted in 2025. Similar trees as stand 27 but with clumpy distribution. Scattered openings with shrubby cherry.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	with clumpy distribution. Scattered openings with shrubby cherry.	
	White Pine	10	Pole/Log	8		Ja	ck Pine	Low	Variable	Sapling		
	Red Pine	10	Pole/Log	8		Blac	k Cherry	Low	5 - 10 feet	Sapling		
	Jack Pine	80	Pole/Sapling	6	46	Re	ed Oak	Trace	Variable	Sapling		
25	4310 - Pi	ne, Oak Mix	c Saw	vtimber	Medium	n 7.2	117	51-80	N/A		This was split from Stand 11 as retention/stream buffer from that	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	treatment. Data is from 2017: High oak mortality. More white pine at southern end.	
	Red Pine	10	Log	12		Wh	ite Pine	Medium	>20 feet	Sapling	Heavy browse on oak seedlings. Some very open areas, possibly used	
	White Oak	15	Log/Pole	10		Northe	rn Pin Oak	Low	>20 feet	Sapling	for camping. Past issues with illegal ORV traffic (carsonite sign along	
	White Pine	30	Log/Pole/Sap	10							stream). Old grade.	
	Jack Pine	10	Log/Pole	12								
١	Northern Pin Oak	35	Log/XLog	14	117							
26			Sa	apling N	Medium	2.1	13	1-50	N/A		Cut fall/winter 2020-21, 61-156-18. Pre-harvest BA was variable (10-120	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	sf/acre) due to variable volume cut in 2011. This was attempt to salvage dying oak and release more of the advanced regen. Producers did a good	
	Quaking Aspen	20	Sapling	1	13	Wh	ite Pine	Medium	Variable	Sapling	job of protecting that. Did not cut sliver at north end between private	
	White Pine	10	Log/XLog	14	113	Re	d Maple	Low	< 5 feet	Sapling	property and pipeline. Did not cut south of Cannon Bridge Rd, a small,	
	Jack Pine	5	Sapling	1		Northe	rn Pin Oak	Low	< 5 feet	Sapling	dense pocket of old white pine and red pine (BA 200+).	
	Red Pine	3	Log/Pole	12				'			Cannon Bridge, 61-051-09-01, cut May-June, 2011. Relatively low volume	
	Red Maple	5	Sapling	1	4						sale, but additional dead oak volume was added at the time.	
	White Oak	5	Log/Pole	12							Old railroad grade runs through this part.	
	White Pine	32	Sapling	1	13						Old Tallioad grade Tallo tillough this part.	
١	Northern Pin Oak	20	Sapling	1	13							
27	42220 - Nat	tural Jack P	ine Po	oletimb	er Well	122.3	58 l	Jnspecified	N/A		2024 - Payment unit #1 of Timber Sale was contract scarified with chains  May 2024	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	2024 - Payment unit #1 of timber sale was harvested April 2024.	
Ν	Northern Pin Oak	2	Pole	6		Re	ed Oak	Trace	>20 feet	Sapling	2017 - Perhaps cut in1965. More diverse than average JP stand Part of	
	Jack Pine	85	Pole/Sap/Log	6	58	Ja	ck Pine	Low	Variable	Sapling	KW block 25. To be planted in 2025.	
	Red Pine	8	Log/Pole	12		Blac	k Cherry	Low	5 - 10 feet	Sapling		
	White Pine	5	Log/Pole	10							-	
30	122 - Roa	d/Parking L	ot	Nonsto	ocked	8.3		1-50	No		S. Sharon Rd. Overhead powerline runs along west side of road.	
33	4117 - Mixed N	. Hardwood	- Pine	Sapling		76.5	42	1-50	N/A		Rotational opening maintenance burn.	
	Canopy Species Black Cherry Jack Pine	% Cover 75 25	Size Class Sapling/Pole Pole/Sapling	2 6	<b>Age</b> 42							



Stan	d Level 4 C	over Type		Size Density		Stand Age	BA Range	Managed S	iite	General Comments		
34	330 - Low-I	330 - Low-Density Trees				0	Unspecified	4222 - Natural Jack Pine		Cut winter 2020-21, Minja Pine, 61-102-19. Left a few scattered overstory white pine and a few clumps of red pine. Original stand had large, remnant white pine stumps.		
39	42120 - Plar	nted Jack F	Pine	Sapling Well	336.7	22	Immature	N/A		Furrow seeding by WLD in June 2001 was deemed a failure. Hand		
	Canopy Species	% Cover	Size Class	DBH Age						planted in spring 2003. Scattered deciduous saplings and a few overstory oaks. Managed for Kirtland Warbler.		
	Red Oak	3	Sapling/Pole/Lo	og 2						calci managos for financia francis		
	Red Maple	1	Sapling	1								
	Black Cherry	2	Sapling	1								
	Jack Pine	94	Sapling	1 22								
41	42200 - Natu	ural White	Pine S	Sawtimber Well	44.7	100	111-140	N/A		W6/W9 with ribbon of NWC and tag alder along seasonal drainage.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	Evidence of past cutting and fire. White pine is larger towards the west end. More deciduous and lesser quality towards eastern end. Trace of		
	Quaking Aspen	10	Pole	8	WI	hite Pine	Low	Variable	Sapling	oak in canopy.		
	Red Maple	5	Pole/Log/Sap	6	Ta	ag Alder	Low	5 - 10 feet	Tall Shrul			
	Red Pine	15	Log	14								
No	orthern White Cedar	5	Pole/Log	8								
	White Pine	65	Log/Pole/XLog	g 12 100								
43	4221 - Nati	ural Red P	ine S	Sawtimber Well	2.2	187	111-140	N/A		Small pocket of red pine surrounded by KW habitat.		
45	310 - Herbac	ceous Oper	nland	Nonstocked	49.8	0	Unspecified	4211 - Planted	Red Pine	2024 - Stand was Planted to 860 Trees per Acre of Red Pine on 5/2/2024 2023 -Stand was Helicopter Site Prep Sprayed 8/16/2023 by Hamilton Helicopters Inc. 2022 - Stand was Trenched to plant Red Pine 2021 -Final harvested winter 2020-21. Minja Pine, 61-102-19. Chipped and ready for trenching.		
46	4133 - Aspe	4133 - Aspen, Mixed Pine			24.4	14	Immature	N/A		Cut summer 2010, Bird Day Conifers, 61-106-09-01. Was natural stand of mixed JP and WP. Some pockets of good aspen regeneration but other		
	Canopy Species	% Cover	Size Class	DBH Age						areas are still filling in. Might just take a while longer. Scattered overstory		
	Black Spruce	5	Sapling	1						conifers.		
		30	Sapling	1								
	Red Maple											
	Jack Pine	3	Sapling	1								
		3 45	Sapling Sapling	1 14								
	Jack Pine											

Report 7 - Stands



Level 4 Cover Type			Size Density		Acres	Stand Age I	BA Range	Managed S	ite	General Comments	
6127 - Lowland Pine		e Sa	Sawtimber Well		16.8	114	171-200	N/A		Diverse stand with good vertical structure. Evidence of pas	t cutting.
Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
White Pine	45	XLog/Log/Pole	18	114	Wh	nite Pine	Low	Variable	Sapling		
Red Maple	10	Pole/Log	8		Re	d Maple	Low	< 5 feet	Sapling		
Quaking Aspen	2	Log/Pole	10		Ва	lsam Fir	Low	10 - 20 feet	Sapling		
thern White Cedar	3	Pole/Log	8		Re	d Maple	Low	>20 feet	Pole		
Black Spruce	5	Pole/Log	8		Blac	k Spruce	Medium	>20 feet	Sapling		
Hemlock	5	Log/Pole	10						1		
Red Pine	30	Log/XLog/Pole	16								
t	6127 - Lo  Canopy Species  White Pine  Red Maple Quaking Aspen  hern White Cedar  Black Spruce  Hemlock	6127 - Lowland Pine Canopy Species % Cover White Pine 45 Red Maple 10 Quaking Aspen 2 hern White Cedar 3 Black Spruce 5 Hemlock 5	6127 - Lowland Pine Sa  Canopy Species % Cover Size Class  White Pine 45 XLog/Log/Pole  Red Maple 10 Pole/Log  Quaking Aspen 2 Log/Pole  hern White Cedar 3 Pole/Log  Black Spruce 5 Pole/Log  Hemlock 5 Log/Pole	Canopy Species         % Cover Size Class         DBH           White Pine         45 XLog/Log/Pole         18           Red Maple         10 Pole/Log         8           Quaking Aspen         2 Log/Pole         10           hern White Cedar         3 Pole/Log         8           Black Spruce         5 Pole/Log         8           Hemlock         5 Log/Pole         10	Canopy Species % Cover Size Class DBH Age White Pine 45 XLog/Log/Pole 18 114 Red Maple 10 Pole/Log 8 Quaking Aspen 2 Log/Pole 10 hern White Cedar 3 Pole/Log 8 Black Spruce 5 Pole/Log 8 Hemlock 5 Log/Pole 10	Canopy Species   % Cover   Size Class   DBH   Age   Mite Pine   45   XLog/Log/Pole   18   114   What   Red Maple   10   Pole/Log   8   Red Maple   2   Log/Pole   10   Bahern White Cedar   3   Pole/Log   8   Re Black Spruce   5   Pole/Log   8   Black Hemlock   5   Log/Pole   10   Black   Black   Spruce   5   Log/Pole   10   Black   Black   Spruce   5   Log/Pole   10   State   Spruce   Spruce   State   Spruce   State   Spruce   State   Spruce   State   Spruce   State   Spruce   Spruce	Canopy Species	Sawtimber Well   16.8   114   171-200   16.8   114   171-200   16.8   114   171-200   16.8   114   171-200   171-2	Sawtimber Well   16.8   114   171-200   N/A	6127 - Lowland Pine Sawtimber Well 16.8 114 171-200 N/A  Canopy Species % Cover Size Class DBH Age White Pine 45 XLog/Log/Pole 18 114 White Pine Low Variable Sapling Red Maple 10 Pole/Log 8 Red Maple Low < 5 feet Sapling Balsam Fir Low 10 - 20 feet Sapling Red Maple Low >20 feet Pole Black Spruce 5 Pole/Log 8 Black Spruce Medium >20 feet Sapling	6127 - Lowland Pine Sawtimber Well 16.8 114 171-200 N/A Diverse stand with good vertical structure. Evidence of past Canopy Species