

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41128 Entry Year 2022 Acreage: 1,697

County Schoolcraft

Management Area: Danaher Kingston Outwash

Revision Date: 2020-07-16

Stand Examiner: Bob Burnham

Legal Description:

T47N R14W Sections: 16 21 28 33

Identified Planning Goals:

Danaher Kingston Outwash Management

Soil and topography:

Sandy soils dominate this compartment. Terrain is level with 2 north/south ridges near the Fox River

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

The compartment is primarily contiguous state ownership, with two private parcels contained within section 16 to the north. There is one structure within the NW private parcel.

Unique Natural Features:

Spring pond is a tributary of the Fox River. It is fed by numerous springs flowing out of the base of a steep hillside encircling the pond. The outlet of the pond is approximately 20 feet wide, and shows evidence of an old wooden dam. Wood Turtle (Clemmys insculpta, state special concern) could occur in and along Fox River. The prescribed treatments in this compartment are unlikely to adversely impact this species if best management practices are followed along these riparian corridors. There is also potential for nesting red-shouldered hawk (Buteo lineatus, state threatened) and Northern goshawks (Accipiter gentilis, state special concern) to occur throughout this compartment in stands of northern hardwoods, white pine, and red pine (goshawk only).

Archeological, Historical, and Cultural Features:

At least one old pine camp is found within the compartment. An old wooden dam crosses the outlet of Spring Pond

Special Management Designations or Considerations:

The Fox River and adjacent stands within 200 feet of the edge of the river are within the Fox River Natural River Management Zone

Watershed and Fisheries Considerations:

This compartment contains the Fox River. The Fox River is a Natural River and is a designated trout stream less than 50' width. A 300' buffer is recommended for the Fox River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 200' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices and Fox River Natural Rivers Management Plan.

Wildlife Habitat Considerations:

Compartment 128 lies within north east Schoolcraft county in the Seney Sand Lake Plain ecological sub-subsection and is a part of the Danaher Kingston Outwash Management area with eastern bluebird, Kirtland's warbler, red crossbill, sharptailed-grouse, spruce grouse and upland sandpiper as featured species. The Fox River traverses the west side of this compartment. The growing season in this area averages between 100 and 130 days. Extreme winter low temperatures are around –40 degrees F with average snowfalls of approximately 160 inches.

Pre-settlement vegetation was dominated by conifer/hardwood mixed forest consisting of hemlock, white pine, beech, maple, yellow birch, and balsam fir. Natura disturbances likely consisted of windthrow and fire. Extensive logging followed by hot slash fires altered the vegetative and soil characteristics of the area. Currently the forest within this compartment is dominated by planted red pine. Northern hardwood and white pine also occur in sizeable stands. Aspen and jack pine stands occur to a lesser extent. Several grassy openings also exist.

Wildlife habitat management objectives include regaining some of the original structure, mesic conifer retention and

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managing for species and structural diversity in the northern hardwood stands. Other wildlife priorities include retention of mature seed-bearing trees in mixed pine stands and white pine stands, recruitment and retention of hard and soft mast producing species and connectivity in conifer stands. Other wildlife species of interest include brown creeper, Blackburnian warbler, smooth green snake, black bear, ruffed grouse, and white-tailed deer.

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 state-owned Sunken Lake (Seney North) Pit is five miles to the southeast and is currently leased to the County Road Commission. There might be some potential for sand & gravel in the compartment.

Vehicle Access:

There are a series of trail roads that run through the compartment. These roads connect to the Sunken Lake Road and eventually M-77.

Survey Needs:

An additional corner in the NW of Section of 16 will be needed.

Recreational Facilities and Opportunities:

The Sunken Lake Road is a Snowmobile Trail. Additional recreation activity in this area consists of hunting, fishing, trapping as well as berry picking and ORV use.

Fire Protection:

This area is with the Fox River Zone dispatch area which is a high risk fuel type. Additional resources are pre-planned if a fire gets established in this area.

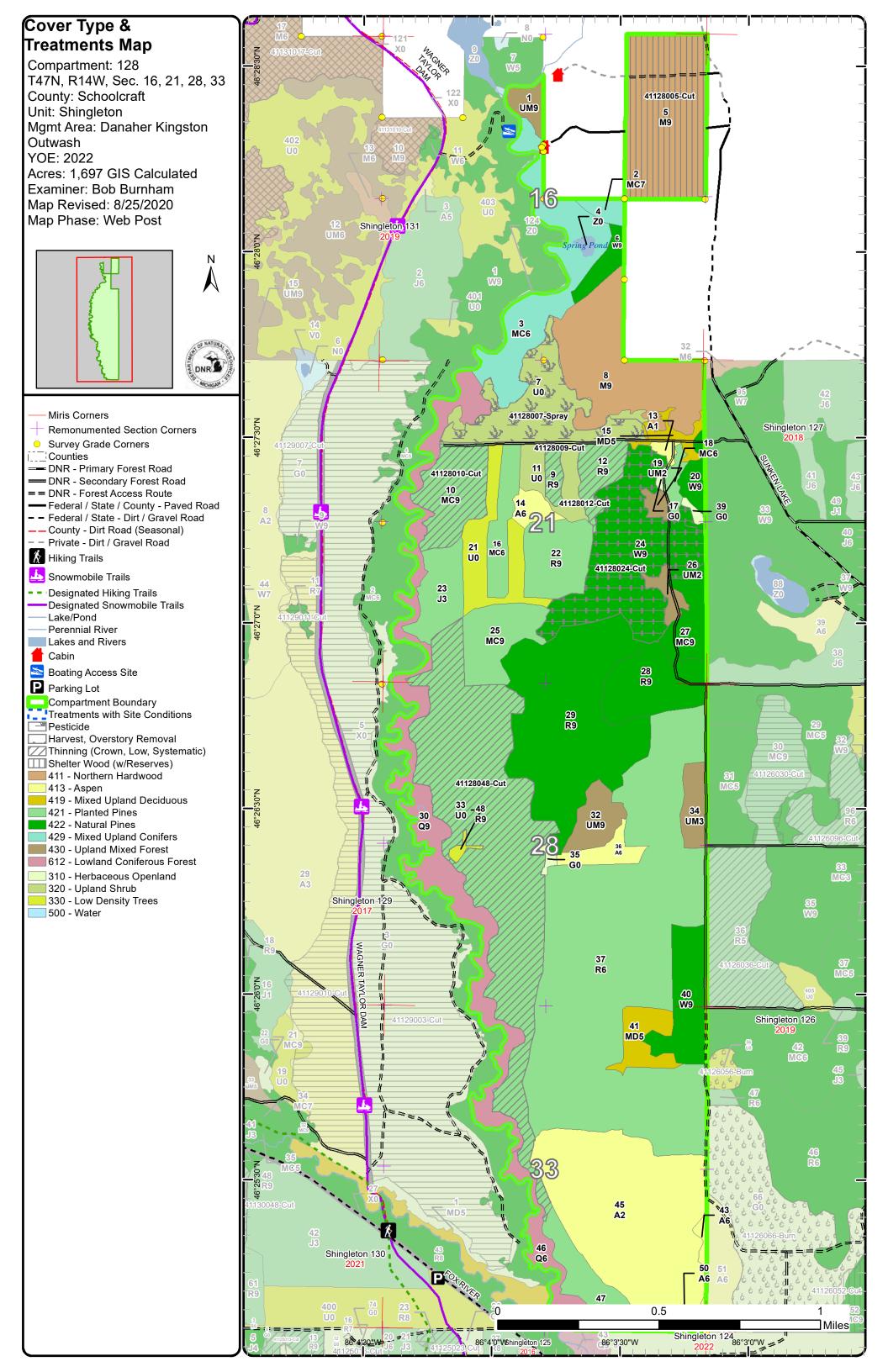
Additional Compartment Information:

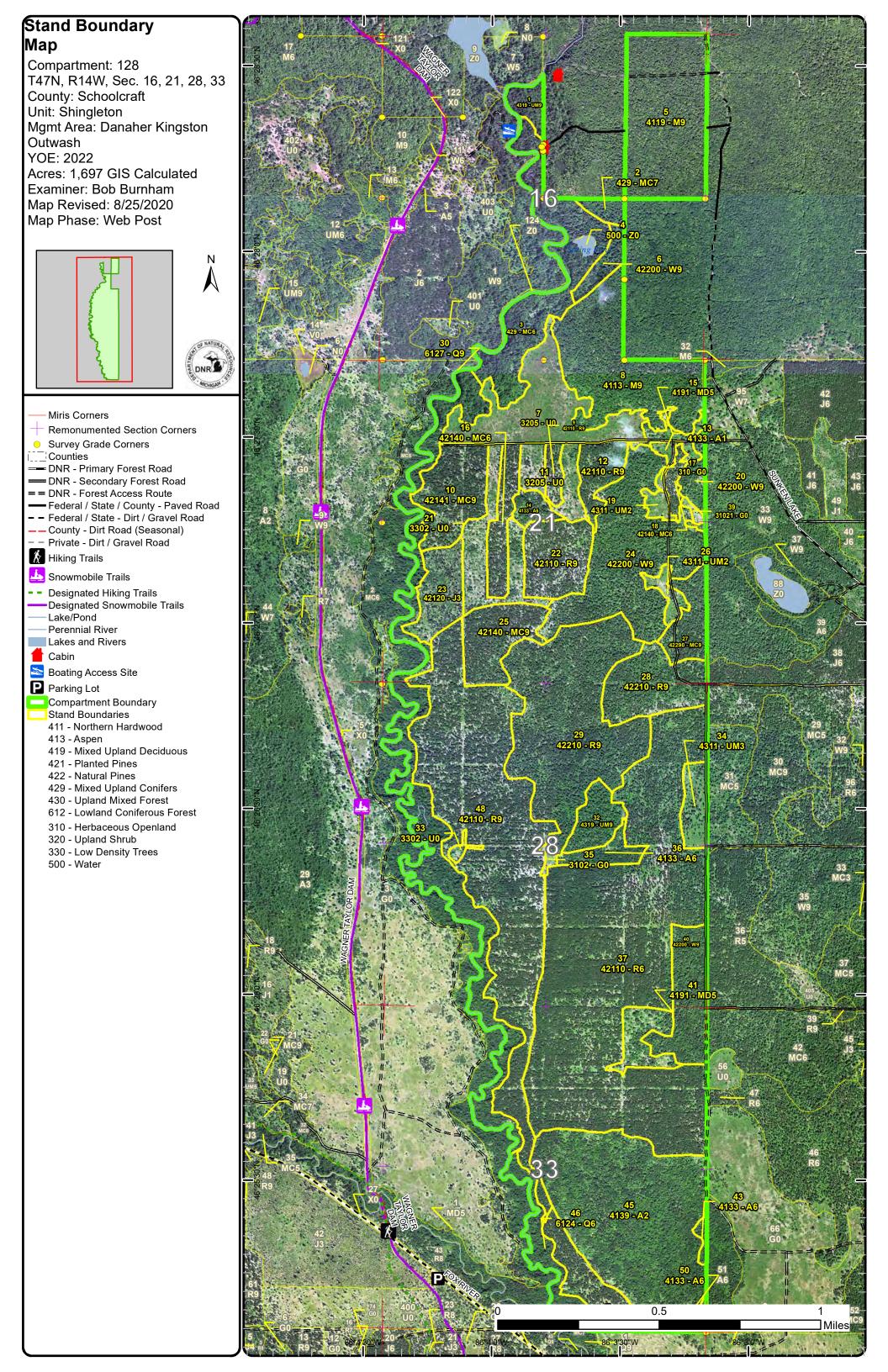
The following reports from the Inventory are attached:

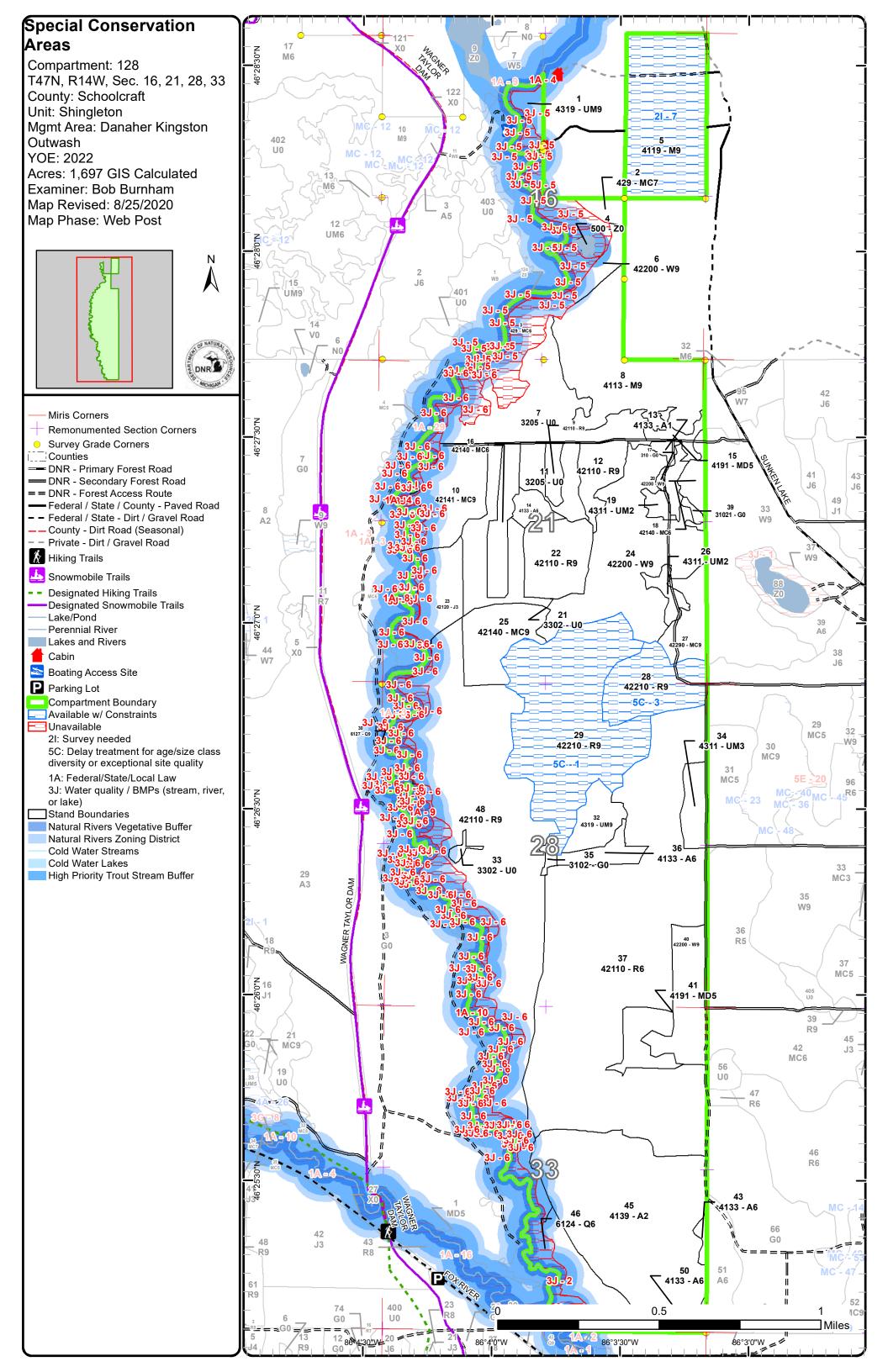
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

Bob Burnham: Examiner



Age Class

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	Zoc No.	is to the second				3/\$			/ \$ / [®]				"" " " " " " " " " " " " " " " " " " "					July July	A LOS
Aspen	0	143	3	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	172
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Low-Density Trees	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Conifers	0	0	0	0	0	0	0	19	0	0	98	0	0	0	0	0	0	0	117
Mixed Upland Deciduous	0	0	0	0	0	0	0	16	8	0	0	0	0	0	0	0	0	0	24
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18
Northern Hardwood	0	0	0	0	0	0	0	0	0	79	0	82	0	0	0	0	0	0	161
Planted Mixed Pines	0	0	0	0	0	24	0	63	0	0	0	0	0	0	0	0	0	0	87
Red Pine	0	0	0	0	0	0	27	53	0	162	0	0	0	0	0	0	0	490	732
Upland Conifers	0	0	0	0	0	0	0	0	6	0	0	0	62	0	0	0	0	0	68
Upland Mixed Forest	0	13	10	0	0	0	0	0	16	0	8	0	0	0	0	0	0	0	47
Upland Shrub	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	33	9	9	0	0	0	0	0	0	90	141
Total	110	156	36	0	0	50	27	151	63	250	115	82	62	0	0	0	0	598	1700



Report 2 – Treatment Summary

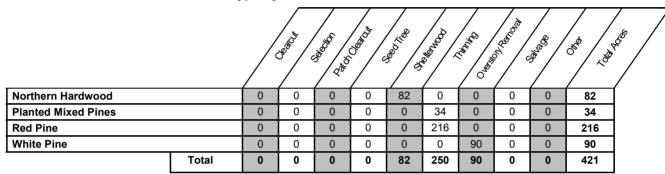
Shingleton Mgt. Unit Year of Entry: 2022

Acres of Harvest

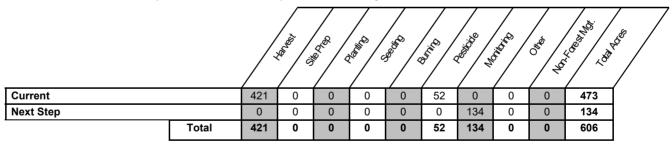
Compartment 128
Total Compartment Acres: 1,697

Commercial Harvest - 339 Harvests with Site Condition - 82 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Shingleton Mgt. Unit

Report 3 -- Treatments

Compartment: 128 Year of Entry: 2022

Age

Structure

Habitat

Cut

s t а n

Treatment Stand Size Stand BA **Treatment Treatment Cover Type** Acres Method Objective Name CoverType Density Age Range Type d

Proposed Treatments:

41128005-Cut 82.0 4119 - Mixed Sawtimber 100 111-Harvest Shelterwood 411 - Northern Uneven-No Northern Hardwoods Well 140 Hardwood Aged

Prescription Designate all spruce and fir and Mark to cut remainder of stand with a target BA of 50. Concentrate marking larger trees to make large canopy gaps to encourage regeneration. Do not cut hemlock. Favor yellow birch where appropriate. Leave 1 healthy spruce or fir per acre Specs:

for wildlife.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species currently on-site.

Regen: **Other**

Comment:

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

42110 - Planted 4211 - Planted Even-Aged 41128009-Cut 6.2 Sawtimber 81-110 Harvest Low Thinning No Red Pine Well Red Pine

Prescription Overall stocking is variable but there are areas that could benefit from thinning. Mark to cut. Target BA is 110 where applicable.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

42141 - Planted Systematic 4211 - Planted 41128010-Cut Sawtimber 63 81-110 34.2 Harvest Even-Aged No Mixed Pine, Mixed Well Thinning Red Pine

Deciduous

Prescription Remove every third row where appropriate. Remove all other species except oak. Mark red pine in areas of lower stocking. Stand borders

the Fox River. Specs:

Next Step Treatments:

Acceptable Regen:

Other

This is a variably stocked plantation, there will be areas that won't need rows removed but could red pine could benefit a traditional thinning.

CAN WE THIN WITH PERMIT BETWEEN 200 AND 100 FEET OF THE RIVER STAYING AT THE TOP OF THE RIDGE? Comment:

Site Condition

Proposed Start Date: 10/1 /2021



Compartment: 128

s Year of Entry: 2022 t а **Treatment** Size Stand BA **Treatment Treatment Cover Type** Acres Stand Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 12 41128012-Cut 16.1 42110 - Planted Sawtimber 111-Harvest Low Thinning 4211 - Planted Even-Aged Red Pine Red Pine Well 140 Prescription Overall stocking is variable but there are areas that could benefit from thinning. Target BA is 110 where applicable. Mark to cut. Specs:

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

41128024-Cut 89 7 42200 - Natural Sawtimber 90 51-80 Harvest Overstory 4220 - Natural Two-Aged No White Pine Well Removal White Pine

Prescription Treatment will be an overstory removal leaving all regen as well as young white pine. Leave all white pine less than 8 inches (approximately Specs: 2-3 sticks). Use regen protection spec. Mark some super canopy white pine as well to leave.

Next Step Treatments:

Acceptable Any species within current stand can be counted toward acceptable regen.

Regen:

Exclude any areas heavy to red pine on south end as these areas should be managed with stand 29. **Other**

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Systematic 4211 - Planted 41128048-Cut 193.2 42110 - Planted Sawtimber 66 81-110 Harvest Even-Aged No Red Pine Red Pine Well Thinning

Prescription Remove every third row where appropriate. Remove all other species except oak. Mark red pine in areas of lower stocking. Stand borders Specs: the Fox River.

Next Step Treatments:

Acceptable Regen:

This is a variably stocked plantation, there will be areas that won't need rows removed but could red pine could benefit a traditional thinning. Other

CAN WE THIN WITH PERMIT BETWEEN 200 AND 100 FEET OF THE RIVER STAYING AT THE TOP OF THE RIDGE? Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Approved Treatments:

42110 - Planted 7 41128007-51.5 3205 - Mixed Nonstocked Unspec Pesticide **ERROR** Even-Aged No Upland Shrub ified Red Pine Spray

Prescription Kill broadleaf competitors with herbicide. Application could also be aerial if option is available.

Specs:

Next Step Monitoring, Herbicide Use

Treatments:

Acceptable red pine

Regen:

Percent to Treat = 100% <u>Other</u>

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

Shingleton Mgt. Unit Report 3 -- Treatments Compartment: 128 Year of Entry: 2022 Cover Type Objective Age Structure **Treatment** Acres Stand Size Stand ВА Treatment **Treatment** Habitat Name CoverType Density Age Range Type Method Cut

Total Treatment 472.9 Acreage Proposed:

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Shingleton Mgt. Unit

Bob Burnham: Examiner

Compartment: 128
Year of Entry: 2022

Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition
Acres	Available	With Condition	Not Available		21	5C	1A	3J
171	171	0	0	Aspen				
4	4	0	0	Herbaceous Openland				
23	23	0	0	Jack Pine			0	
31	31	0	0	Low-Density Trees				
117	0	0	117	Lowland Conifers			54	63
24	24	0	0	Mixed Upland Deciduous				
18	18	0	0	Natural Mixed Pines				
161	79	82	0	Northern Hardwood	82			
87	87	0	0	Planted Mixed Pines			0	
730	569	161	0	Red Pine		161	0	
67	6	0	62	Upland Conifers			19	43
47	45	0	3	Upland Mixed Forest			3	
74	74	0	0	Upland Shrub				
1	0	0	1	Water			1	
140	140	0	0	White Pine			0	
1,697	1,270	243	183	Total Forested Acres	82	161	77	106
	75%	14%	11%	Relative Percent		-	-	-

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	125	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is a slower gr	owing site, stand is healthy ar	ıd pine ar	re not growing out of class			
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit
Bob Burnham: Examiner

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	1A: Federal/State/Local Law	35	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Fox River 100' zone	9					
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	43	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	45	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	2I: Survey needed	82	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	1A: Federal/State/Local Law	16	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Fox River 100' zone	e					

Report 4 – Site Conditions

Compartment: 128

Shingleton Mgt. Unit

Bob Burnham : Examiner Year of Entry: 2022

9	Unavailable	1A: Federal/State/Local Law	13	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	comments: ox River 100'zone						
10	Unavailable	1A: Federal/State/Local Law	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	comments:						

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Mgt. Unit

Compartment: #Type!
Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Shingleton Mgt. Unit Compartment: 128
Year of Entry 2022



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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condition stocked trout populations and those of other coldwater fish specific conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	es to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	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 and Vegetative Buffers for each Natural River see the table locat folder.	Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts

Report 7 - Stands



Stan	d Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments						
1	4319 - Mixed	Upland Fo	orest S	awtimber	Well	8.4	90	111-140	N/A		Hardwood stand along fox river.
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	3	Pole	7		Re	d Maple	Medium	Variable	Sapling	
	Red Maple	30	Log/Pole	10	73	Ва	lsam Fir	High	Variable	Sapling	
	Beech	2	Log/Pole	10		WI	nite Pine	Low	Variable	Sapling	
	Paper Birch	7	Log/Pole	10							
	Balsam Fir	15	Pole/Sapling	7							
	White Pine	35	Log/XLog	17	90						
	Black Cherry	8	Pole	8							
	429 - Mixed l	Jpland Con	ifers S	awtimber	Poor	5.6	70	1-50	N/A		check cutting record for age. overstory could be removed but small.
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	acreage
	Red Maple	16	Log/Pole	13	3-		d Maple	Full	10 - 20 feet	Sapling	
	White Spruce	32	Log/Pole	13			Isam Fir	Medium	Variable	Sapling	
	White Pine	52	Log/Pole		70		nite Pine	Low	5 - 10 feet	Sapling	
			3	_		Whi	te Spruce	Medium	Variable	Sapling	
							Beech	Low	5 - 10 feet	Sapling	
							ck Cherry	Medium	10 - 20 feet	Sapling	
3	429 - Mixed l	Jpland Con	ifers P	oletimber		61.6	110	51-80	N/A		This is the riparian area along the fox river, management would be difficult in the portions outside the 200' buffer because the stand slopes
	Canopy Species	% Cover	Size Class	DBH A		Sub-Ca	nopy Species	Density	Avg. Height	Size	to the river.
	Red Maple	30	Pole	8	50		d Maple	Medium	Variable	Sapling	
	Paper Birch	6	Pole	6		Ва	lsam Fir	High	Variable	Sapling	
	Quaking Aspen	2	Pole	6		WI	nite Pine	Low	Variable	Sapling	
	Balsam Fir	15	Pole/Sapling	7							
	Black Spruce	5	Pole	6							
	White Pine		XLog/Log/Pole		110						
	Hemlock	2	Log/Pole	10							
4	500 -	- Water		Nonstocl	ked	1.4	l	Inspecified	No		Spring Pond
5	4119 - Mixed No			awtimber		82.0	100	111-140	N/A		Overall health of stand is declining due to age. Regen from previous cut \upbeta yielded a heavy understory.
	Canopy Species		Size Class	DBH A	Age		nopy Species		Avg. Height	Size	,,,,
	Sugar Maple	19	Log/Pole	11			gar Maple	High	Variable	Sapling	
	Red Maple		Log/Pole/XLog		100		d Maple	High	Variable	Sapling	
	Yellow Birch	6	Log/XLog	17			Beech	Low	Variable	Sapling	
	Beech	2	Log/Pole	10			lsam Fir	Medium	Variable	Sapling	
	White Spruce	4	Log/Pole	10			nite Pine	Low	5 - 10 feet	Sapling	
	Hemlock	10	Log/XLog	16		Whi	te Spruce	Medium	5 - 10 feet	Sapling	
	Black Cherry	4	Log/Pole	10							
	White Pine	5	XLog/Log	20							



Stand	d Level 4 C	over Type		Size De	ensity	Acres Stand Ag	e BA Range	BA Range Managed Site		General Comments
6	42200 - Natu	ural White F	Pine	Sawtimb	er Well	9.0 85	51-80	N/A		Cut in Fall of 2005, Sunken Rotten Decks Sale.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	
	Balsam Fir	5	Pole	8		Red Maple	High	10 - 20 feet	Sapling	
	White Pine	80	Log	16	85	Beech	Low	10 - 20 feet	Sapling	
	Hemlock	10	Log	14		Balsam Fir	Medium	Variable	Sapling	
	White Spruce	5	Log	12		White Pine	Medium	Variable	Sapling	
•						Black Cherry	Low	5 - 10 feet	Sapling	
						White Spruce	Low	Variable	Sapling	
7	3205 - Mixed	d Upland SI	hrub	Nonst	ocked	56.8	Unspecified	42110 - Planted	Red Pine	Sale has been cut under 41-025-09-01 by Gigurere Logging, Stand was
						Sub-Canopy Spec	cies Density	Avg. Height	Size	trenched in summer of 2012 should be planted in spring of 2013 Planted spring of 2013, at a cost of \$10489.99 Count in 2014.
						Red Maple	Medium	5 - 10 feet	Sapling	(3/11/14RH)
					Pin Cherry	Medium	Variable	Tall Shrub	3rd year Regen survey only 254 T/A. Site needs a replant.	
					Red Pine	High	< 5 feet	Sapling	Replanted spring 2017. 1st year regen check, 1344 TPA. Passed 3rd year check but needs a release spray for cherry and aspen.	
					L					Stand is on schedule to be skidder released this summer, the cherry may be to tall/advanced to be killed. The red pine seedlings have a combination of snow and J-rooting damage.
8	4113 - R.Maple, Conifer Sawtimber V		4113 - R.Maple, Conifer Sawtimber Well		78.7 81	51-80	N/A		Stand was harvested in the fall of 2014, Spaceman Hardwoods.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	
	Red Maple	50	Log/Pole	10	81	Red Maple	Medium	5 - 10 feet	Sapling	
1						Darada	High	Variable	Sapling	
	White Spruce	2	Log/Pole	10		Beech		Variable	Capinig	
	White Spruce White Pine	28	Log/Pole XLog/Log	10 18		White Spruce	Low	Variable	Sapling	
	<u>'</u>									
	White Pine	28	XLog/Log	18		White Spruce	Low	Variable	Sapling	
9	White Pine Black Cherry	28 10 10	XLog/Log Log Log/Pole	18	per Well	White Spruce White Pine	Low	Variable 5 - 10 feet	Sapling Sapling	Stand was thinned in 2014, with Space Man hardwood. Stocking is
9	White Pine Black Cherry Sugar Maple	28 10 10 10	XLog/Log Log Log/Pole	18 10 10 Sawtimb	per Well	White Spruce White Pine Sugar Maple	Low Low Low	Variable 5 - 10 feet < 5 feet	Sapling Sapling	variable, there are areas that could be thinned but many areas of lower
9	White Pine Black Cherry Sugar Maple 42110 - Plan	28 10 10 10	XLog/Log Log Log/Pole	18 10 10 Sawtimb		White Spruce White Pine Sugar Maple 6.2 63	Low Low Low	Variable 5 - 10 feet < 5 feet N/A	Sapling Sapling Sapling	
9	White Pine Black Cherry Sugar Maple 42110 - Plan Canopy Species	28 10 10 10 nted Red P	XLog/Log Log Log/Pole Pine Size Class	18 10 10 Sawtimb	l Age	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec	Low Low Low 81-110 Cies Density	Variable 5 - 10 feet < 5 feet N/A Avg. Height	Sapling Sapling Sapling Sapling	variable, there are areas that could be thinned but many areas of lower BA.
9	White Pine Black Cherry Sugar Maple 42110 - Plat Canopy Species White Pine Red Pine 42141 - Planted	28 10 10 10 nted Red P % Cover 5 95	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole	18 10 10 Sawtimb	63	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine	Low Low 81-110 Cies Density Low	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable	Sapling Sapling Sapling Sapling Size Sapling	variable, there are areas that could be thinned but many areas of lower BA.
	White Pine Black Cherry Sugar Maple 42110 - Plat Canopy Species White Pine Red Pine 42141 - Planted	28 10 10 10 nted Red P % Cover 5 95 Mixed Pine iduous	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole	18 10 10 Sawtimb DBH 1 14 Sawtimb	63	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine Pin Cherry	81-110 cies Density Low Low 81-110	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Sapling Sapling Size Sapling	variable, there are areas that could be thinned but many areas of lower BA. Stocking varies greatly within this stand, records indicate that jack pine
	White Pine Black Cherry Sugar Maple 42110 - Plat Canopy Species White Pine Red Pine 42141 - Planted Dec	28 10 10 10 nted Red P % Cover 5 95 Mixed Pine iduous	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole	18 10 10 Sawtimb DBH 1 14 Sawtimb	63 eer Well	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine Pin Cherry 34.2 63	81-110 cies Density Low Low 81-110	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Sapling Sapling Size Sapling Tall Shrub	variable, there are areas that could be thinned but many areas of lower BA. Stocking varies greatly within this stand, records indicate that jack pine
	White Pine Black Cherry Sugar Maple 42110 - Plat Canopy Species White Pine Red Pine 42141 - Planted Dec Canopy Species	28 10 10 10 nted Red P % Cover 5 95 Mixed Pine iduous % Cover	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole e, Mixed Size Class	18 10 10 10 Sawtimb DBH 3 6 14 Sawtimb	63 eer Well	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine Pin Cherry 34.2 63 Sub-Canopy Spec	81-110 Cies Density Low 81-110 Density Density B1-110 Density	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height	Sapling Sapling Sapling Size Sapling Tall Shrub	variable, there are areas that could be thinned but many areas of lower BA. Stocking varies greatly within this stand, records indicate that jack pine was planted roughly 10 years after the red pine was.
	White Pine Black Cherry Sugar Maple 42110 - Plat Canopy Species White Pine Red Pine 42141 - Planted Dec Canopy Species Red Maple	28 10 10 10 nted Red P % Cover 5 95 Mixed Pine iduous % Cover 2	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole e, Mixed Size Class Pole	18 10 10 Sawtimb DBH 3 6 14 Sawtimb DBH 6	63 eer Well	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine Pin Cherry 34.2 63 Sub-Canopy Spec White Pine	81-110 Cies Density Low 81-110 Cies Density Medium	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height Variable	Sapling Sapling Sapling Size Sapling Tall Shrub Size Sapling	variable, there are areas that could be thinned but many areas of lower BA. Stocking varies greatly within this stand, records indicate that jack pine was planted roughly 10 years after the red pine was.
	White Pine Black Cherry Sugar Maple 42110 - Planted Canopy Species White Pine Red Pine 42141 - Planted Dec Canopy Species Red Maple Quaking Aspen	28 10 10 10 nted Red P Cover 5 95 Mixed Pine iduous Cover 2 3	XLog/Log Log Log/Pole Pine Size Class Pole/Sapling Log/Pole e, Mixed Size Class Pole Pole	18	63 eer Well	White Spruce White Pine Sugar Maple 6.2 63 Sub-Canopy Spec White Pine Pin Cherry 34.2 63 Sub-Canopy Spec White Pine Pin Cherry	81-110 Cies Density Low 81-110 Cies Density Medium Low	Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable 5 - 10 feet N/A Avg. Height Variable 5 - 10 feet	Sapling Sapling Sapling Size Sapling Tall Shrub	variable, there are areas that could be thinned but many areas of lower BA. Stocking varies greatly within this stand, records indicate that jack pine was planted roughly 10 years after the red pine was.

Report 7 - Stands



Stand	d Level 4 Cover Type		Level 4 Cover Type Size Density		nsity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
11	3205 - Mixed	d Upland Sh	nrub	Nonsto	cked	16.8		Unspecified	No		There is merchantable timber that could be cleaned up but wait until the adjacent stands are rotated.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	aujacon cianac are relateu.
						Ja	ck Pine	Low	>20 feet	Pole	
						Pin Cherry		Medium	10 - 20 feet	Tall Shrub	
12	42110 - Pla	nted Red P	ine	Sawtimb	er Well	16.1	63	111-140	N/A		Stand was thinned in 2006, Sunken Rotten Decks Sale. Stocking is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	variable, east side of stand has better soil.
	White Pine	15	XLog/Log	22		Re	d Maple	High	Variable	Sapling	
	Red Pine	85	Log	14	63	Wh	nite Pine	Low	5 - 10 feet	Sapling	
						Pir	n Cherry	Low	5 - 10 feet	Tall Shrub	
13	4133 - Aspe	en, Mixed P	ine	Sapling	Poor	2.6	14	Immature	N/A		Stand cut in 2006, Sunken Rotten Decks
	Canopy Species	% Cover	Size Class	DBH	Age						trenched 5/4/16 Planted spring 2018 to JP. site check fall 2018 needs replant of JP.
	Red Maple	5	Sapling	1							Site replanted spring 2019. Check fall 2019 passed.
	Quaking Aspen	75	Sapling	2	14						Jack pine is alive but will likely get shaded out over time. No further
	White Pine	10	Sapling	2							action recommended at this time.
	Jack Pine	10	Sapling	1	2						
14	4133 - Aspe	en, Mixed P	ine I	Poletimb	er Well	7.2	47	51-80	N/A		Steep knob ridge of aspen on north end.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	55	Pole	8	47	Wh	nite Pine	Medium	5 - 10 feet	Sapling	
	White Pine	25	Log/Pole	16		Pir	n Cherry	Low	5 - 10 feet	Tall Shrub	
	Red Pine	10	Log	10		E	Beech	Low	< 5 feet	Sapling	
	Jack Pine	5	Pole	6		Re	d Maple	Low	5 - 10 feet	Sapling	
	Red Maple	5	Pole	7			·				
15	4191 - Mixed Upla Co	and Decidu onifer	ous with Po	oletimbe	Mediu	m 7.6	70	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	35	Pole/Sapling	g 5		Pir	n Cherry	Medium	5 - 10 feet	Tall Shrub	
	White Pine	35	Log/Pole	16	70						•
	Black Cherry	10	Pole/Sap/Log	g 8							
	Red Maple	20	Pole	8							
16	42140 - Plan	ted Mixed I	Pine I	Poletimb	er Well	18.2	48	81-110	N/A		Red pine stand planted in 1957 due to mortality from scleroderris jack
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine was planted in 1972.
	Red Pine	41	Log	12	63	Ja	ck Pine	Low	5 - 10 feet	Sapling	
	Jack Pine	56	Pole	8	48	Wh	nite Pine	Low	5 - 10 feet	Sapling	
	White Pine	3	Pole	8		Pir	Cherry	Low	5 - 10 feet	Tall Shrub	
17	310 - Herbac	eous Open	land	Nonsto	cked	1.0	l	Unspecified	No		This stand is a frost pocket



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
18	42140 - Plan	ted Mixed F	Pine	Poletimber Well	5.4	48	51-80	N/A		Red pine plantation that had mostly failed, jack pine was planted in 1972
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and looks healthy
	Quaking Aspen	5	Pole	6	WI	nite Pine	Low	5 - 10 feet	Sapling	
	White Pine	10	Log	14	Quak	king Aspen	Low	5 - 10 feet	Sapling	
	Red Pine	35	Log	14 63						•
	Jack Pine	50	Pole	8 48						
19	4311 - Pin	4311 - Pine, Aspen Mix		Sapling Medium	4.1	14	Immature	N/A		Stand was cut in 2006, Sunken Rotten Decks
			Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trenched 5/4/16 Planted spring 2018 to JP. 1st year check done fall 2018, replant.
	Quaking Aspen	50	Sapling	2 14	Piı	n Cherry	Low	< 5 feet	Tall Shrub	site replanted spring 2019. check fall 2019.
	White Pine	White Pine 25 Sapling 3		3			'		,	Re-Inventoried summer 2020, jack pine stocking is sufficient but much of
	Jack Pine 20 Sapling 1 2		1 2						the planted stock is getting shaded out by aspen and white pine but no further action is recommended.	
	Red Maple	5	Sapling	1						Talanci addion is recommended.
20	42200 - Nati	ural White F	Pine	Sawtimber Well	9.0	90	51-80	N/A		Stand was cut in 2006, Sunken Rotten Decks which created second age.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Could manage with stand to the east in the future.
	White Pine	83	Log/Pole	16 90	White Pine		Medium	Variable	Sapling	
	Red Pine	5	XLog/Log	18	Quak	king Aspen	High	10 - 20 feet	Sapling	
	Jack Pine	12	Pole	9	Re	ed Maple	Medium	10 - 20 feet	Sapling	
21	3302 - Low Der	sity Conifer	Trees	Nonstocked	29.5	ι	Inspecified	No		Old opening that is filling in. Don't clean-up stand until surrounding
					Sub-Ca	nopy Species	Density	Avg. Height	Size	stands are rotated to help encourage consolidation.
					WI	nite Pine	Low	>20 feet	Pole	
					Ja	ick Pine	Low	>20 feet	Pole	
22	42110 - Pla	nted Red Pi	ine	Sawtimber Well	30.3	63	81-110	N/A		Red Pine stand that was inter-planted with jack pine in areas that failed.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Failures may have been result of scleroderris mortality.
	Red Maple	2	Pole	8	Pir	n Cherry	Low	< 5 feet	Tall Shrub	
	White Pine	12	XLog/Log	18	WI	nite Pine	Low	Variable	Sapling	
	Red Pine	70	Log	12 63	Re	d Maple	Low	5 - 10 feet	Sapling	
	Jack Pine	16	Pole	7 48						
23	42120 - Plai	nted Jack P	ine	Sapling Well	23.3	16 L	Jnspecified	N/A		Jack pine is healthy, red pine logs are scattered and its not feasible to try
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and remove them.
	Red Pine	25	Log	12 63	Piı	n Cherry	Medium	5 - 10 feet	Tall Shrub	
	Jack Pine	75	Sapling	3 16						

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Stan	d Level 4 C		Size Density			Acres Stand Age BA Range			Site	General Comments		
24	42200 - Natural White Pine		Pine S	Sawtimber Well		89.7	90	51-80	N/A		2 or 3 aged pine stand. Stand was thinned in 2006, Sunken Rotten Decks Sale which created full understory.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	Decks Sale which cleated full understory.	
	White Pine	75	Log/XLog/Pole	e 16	90	Bigtootl	n Aspen	Full	10 - 20 feet	Sapling		
	Red Pine	23	Log	16		Red I	Maple	Medium	10 - 20 feet	Sapling		
	Quaking Aspen	2	Pole	8		White	Pine	High	Variable	Sapling		
25	42140 - Planted Mixed Pine			Sawtimber Well		29.2 63		81-110 N/A			Stand was originally planted to red pine in 57 and then inter-planted to	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	giack pine in 72 in areas that failed.	
	White Pine	5	XLog/Log	18		White	Pine	Low	Variable	Sapling		
	Red Pine	50	Log	12	63	Pin C	herry	Low	5 - 10 feet	Tall Shrub		
	Jack Pine	45	Pole	9	48							
26	4311 - Pin	e, Aspen N	⁄lix S	Sapling Medium		6.2	14	1-50	N/A		Harvested in 2006, Sunken Rotten Decks	
	Canopy Species % Cover Size Clas		Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	Trenched 5/4/16 Planted spring 2018 to JP.	
	Quaking Aspen	50	Sapling	2	14	Pin C	herry	Low	< 5 feet	Tall Shrub		
	White Pine	25	Sapling	3							site replanted spring 2019. Checked fall 2019, passed.	
	Jack Pine	20	Sapling	1	2						This is a small stand and the advanced regen will likely shade out much of the planting stock but that is good at this point. Cancel all future	
	Red Maple	5	Sapling	1							treatments.	
27	42290 - Natural Mixed Pine Sawtimber \				er Well	18.3	60	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size		
	Quaking Aspen	5	Pole	9		White	Pine	Medium	Variable	Sapling		
	White Pine	50	Log	11	60	Red I	Maple	Low	5 - 10 feet	Sapling		
	Red Pine	15	Log	12							•	
	Jack Pine	30	Pole	9								
28	42210 - Natural Red Pine			Sawtimb	er Well	36.6 80		51-80	N/A		Cut in 1998, Sunken Lake Red Pine. Wait till the understory becomes	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	merchantable.	
	White Pine	25	Log	14		Red I	Maple	Medium	10 - 20 feet	Sapling		
	Red Pine	75	Log	14	80	Bigtootl	n Aspen	High	10 - 20 feet	Sapling		
						White	e Pine	High	Variable	Sapling		
						Red	Pine	Low	5 - 10 feet	Sapling		
29	42210 - Na	tural Red F	Pine S	Sawtimb	er Well	124.6	81	81-110	N/A		Stand was thinned in the 90's.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size		
	White Pine	30	Log/Pole	16		Red I	Maple	Medium	10 - 20 feet	Sapling		
	Red Pine	65	Log	14	81	White	Pine	Medium	Variable	Sapling		
	Red Maple	5	Pole	9		Quaking	g Aspen	Low	10 - 20 feet	Sapling		

7 - Stands Compartment: 128
Year of Entry: 2022

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Stand	d Level 4 C	•	Size De	nsity	Acres	Acres Stand Age BA Range			Site	General Comments This stand is in the natural river buffer along fox river. Stand is a ridge that along to the river more bettern land then unland.	
30	6127 - Lo	e S	Sawtimber Well		II 98.4	90	81-110	N/A			
	Canopy Species % Cover Size Cla			ss DBH Age		Sub-Ca	nopy Species	Density	Avg. Height Size		that slopes to the river, more bottom land than upland.
	Red Maple	20	Log/Pole	10		Re	ed Maple	Medium	Variable	Sapling	
	Paper Birch	5	Log/Pole	10		Ва	ılsam Fir	Medium	Variable	Sapling	
	Quaking Aspen	5	Pole	7		Pir	n Cherry	Low	< 5 feet	Tall Shrub	
	White Pine	40	Log	16	90	Whi	te Spruce	Low	5 - 10 feet	Sapling	
	Red Pine	10	Pole/Log	8							•
	Black Cherry	5	Pole	8							
	Black Spruce	5	Pole	8							
	Balsam Fir	5	Pole	8							
	White Spruce	5	Pole/Log	9							
32	4319 - Mixed	d Upland Fo	orest S	Sawtimber Well		II 15.6	15.6 73		N/A		Stand was thinned with Kara's Pine. Low quality hardwood.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height Size		
	Red Maple	50	Log/Pole	10	73	Re	ed Maple	High	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole	9		WI	hite Pine	Medium	Variable	Sapling	
	14/1 '(D'	35	Log	16		-	Beech	Low	5 - 10 feet	Sapling	
	White Pine	33	==9								
	Red Pine	10	Log	14		Pir	n Cherry	Low	5 - 10 feet	Tall Shrub	
33		10	Log	14 Nonsto	ocked	1.8		Low	5 - 10 feet No	Tall Shrub	
33	Red Pine 3302 - Low Der	10	Log r Trees							Tall Shrub	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut
	Red Pine 3302 - Low Der	nsity Coniference, Aspen M	Log r Trees	Nonsto		1.8	U	nspecified	No	Tall Shrub	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut
	3302 - Low Der 4311 - Pin	nsity Coniference, Aspen M	Log r Trees	Nonsto	g Well	1.8 12.9 Sub-Ca	U 4	nspecified	No N/A		Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
	Red Pine 3302 - Low Der 4311 - Pin Canopy Species	10 nsity Conife e, Aspen M % Cover	Log r Trees flix Size Class	Nonsto Sapling DB H	g Well	1.8 12.9 Sub-Ca	4 nopy Species	nspecified 1-50 Density	No N/A Avg. Height	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple	10 nsity Conife e, Aspen M Cover	Log Trees Mix Size Class Sapling	Nonsto	y Well	1.8 12.9 Sub-Ca	4 nopy Species	nspecified 1-50 Density	No N/A Avg. Height	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen	10 nsity Conife e, Aspen M Cover 10 45	Log Trees Mix Size Class Sapling Sapling	Nonsto	y Well	1.8 12.9 Sub-Ca	4 nopy Species	nspecified 1-50 Density	No N/A Avg. Height	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine	e, Aspen M Cover 10 45 20	Log Trees Aix Size Class Sapling Sapling Sapling/Pole	Sapling DBH 1 1 3	y Well I Age 4	1.8 12.9 Sub-Ca	4 nopy Species n Cherry	nspecified 1-50 Density	No N/A Avg. Height	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine	nsity Coniference, Aspen M Cover 10 45 20 25 - Grass	Log Trees Mix Size Class Sapling Sapling Sapling/Pole Log	Sapling DBH 1 1 3 12	y Well Age 4 68	1.8 12.9 Sub-Ca Pir	4 nopy Species n Cherry	nspecified 1-50 Density Low	No N/A Avg. Height 5 - 10 feet	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine 3102	10 e, Aspen M Cover 10 45 20 25 - Grass en, Mixed F	Log Trees Mix Size Class Sapling Sapling Sapling/Pole Log	Sapling DBH 1 1 3 12 Nonsto	y Well Age 4 68	1.8 12.9 Sub-Ca Pin 1.6	4 nopy Species n Cherry	nspecified 1-50 Density Low nspecified	No N/A Avg. Height 5 - 10 feet No	Size	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine 3102	10 e, Aspen M Cover 10 45 20 25 - Grass en, Mixed F	Log In Trees Itix Size Class Sapling Sapling Sapling/Pole Log Pine P	Sapling DBH 1 1 3 12 Nonsto	y Well Age 4 68 ocked	1.8 12.9 Sub-Ca Pir 1.6 II 10.1 Sub-Ca	4 nopy Species n Cherry	nspecified 1-50 Density Low nspecified 51-80	No N/A Avg. Height 5 - 10 feet No N/A	Size Tall Shrub	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine 3102 4133 - Aspe Canopy Species	nsity Conife e, Aspen M Cover 10 45 20 25 - Grass en, Mixed F	Log In Trees Aix Size Class Sapling Sapling Sapling/Pole Log Pine P Size Class	Sapling DBH 1 1 3 12 Nonsto	y Well Age 4 68 ocked	1.8 12.9 Sub-Ca Pir 1.6 II 10.1 Sub-Ca	4 nopy Species n Cherry	1-50 Density Low nspecified 51-80 Density	No N/A Avg. Height 5 - 10 feet No N/A Avg. Height	Size Tall Shrub	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine 3102 4133 - Aspe Canopy Species Red Maple	nsity Conifere, Aspen M Cover 10 45 20 25 Grass en, Mixed F Cover 5	Log Ir Trees Aix Size Class Sapling Sapling/Pole Log Pine P Size Class Pole/Sap/Log	Nonsto Sapling DBH 1 1 3 12 Nonsto Oletimb DBH 8	y Well Age 4 68 ocked	1.8 12.9 Sub-Ca Pir 1.6 II 10.1 Sub-Ca Re Wh	4 nopy Species n Cherry 40 nopy Species ad Maple	1-50 Density Low Inspecified 51-80 Density Low	No N/A Avg. Height 5 - 10 feet No N/A Avg. Height 5 - 10 feet	Size Tall Shrub Size Sapling	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.
34	Red Pine 3302 - Low Der 4311 - Pin Canopy Species Red Maple Bigtooth Aspen White Pine Red Pine 3102 4133 - Aspe Canopy Species Red Maple Red Oak	10 nsity Conife e, Aspen M Cover 10 45 20 25 - Grass en, Mixed F % Cover 5 5	Log Ir Trees Size Class Sapling Sapling/Pole Log Pine P Size Class Pole/Sap/Log Pole/Sap/ling	Nonsto Sapling DBH 1 1 3 12 Nonsto DBH 8 6	y Well Age 4 68 ocked er Well	1.8 12.9 Sub-Ca Pir 1.6 II 10.1 Sub-Ca Re Wh	4 nopy Species n Cherry 40 nopy Species ed Maple hite Pine	nspecified 1-50 Density Low 51-80 Density Low Medium	No N/A Avg. Height 5 - 10 feet No N/A Avg. Height 5 - 10 feet Variable	Size Tall Shrub Size Sapling Sapling	Stand was cut in 2016, Kara's Pine. This was a seedtree cut. The cut failed to regenerate red pine but aspen, white pine and maple have fully regenerated.



Stand	Level 4 Co	Size Density Poletimber Well		Acres Stand Age BA Range			Managed S	ite	General Comments	MICHIGAN .		
37	42110 - Planted Red Pine			296.6	59	81-110	10 N/A		Stand was third row thinned in 2016, Kara's Pine.			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Oak	5	Log	12		Wh	ite Pine	Low	Variable	Sapling		
	Red Pine	90	Pole	9	59	Bigto	oth Aspen	Medium	5 - 10 feet	Sapling		
	Red Maple	5	Pole/Log	9		Re	d Maple	Medium	5 - 10 feet	Sapling		
				,		Re	ed Oak	Low	5 - 10 feet	Sapling		
39	31021 - Cool	Season G	rass	Nonsto	cked	1.5	U	Inspecified	No		Frost Pocket	
40	42200 - Natu	ral White F	Pine	Sawtimb	er Well	32.6	71	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Oak	2	Log/Pole	10		Wh	ite Pine	Medium	Variable	Sapling		
	Paper Birch	10	Log/Pole	10		Re	d Maple	Medium	Variable	Sapling		
	Bigtooth Aspen	8	Pole	8								
	White Pine	60	Log/Pole	10	71							
	Red Pine	20	Log	14								
41	4191 - Mixed Upla Coi	nd Decidu	ous with P	oletimbe	Mediun	n 15.9	60	1-50	N/A		This is an old opening that has filled in.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	White Pine	30	Log/Pole	12		Quak	ing Aspen	Low	5 - 10 feet	Sapling		
	Red Maple	50	Pole	8	60	Wh	ite Pine	Medium	Variable	Sapling		
	Red Oak	10	Log	14		Re	d Maple	Low	5 - 10 feet	Sapling		
	Paper Birch	10	Pole/Log	9		Re	ed Pine	Low	5 - 10 feet	Sapling		
43	4133 - Aspe			Poletimb		2.5	43	51-80	N/A		Harvest when adjacent stand is harvested.	
	Canopy Species		Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	50	Pole	7	43	Wh	ite Pine	Low	< 5 feet	Sapling		
	Red Maple	10	Pole	8								
	Red Oak	10	Log	14	70							
	White Pine	25	Log	10								
	Paper Birch	5	Pole	6								



Stand	Level 4 C	over Type		Size Density		Acres S	Stand Age B	A Range	Managed S	Site	General Comments
45	4139 - Aspen, Mixed Deciduous			Sapling Medium		143.2	4 I	mmature	N/A		Sale was cut in the fall of 2016. Regen is spotty in some areas but the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	site index and soils in this area are not the greatest but regen should continue to fill in.
	Bigtooth Aspen	35	Sapling	1	4	Pin	Cherry	Low	< 5 feet	Tall Shrub	
	Quaking Aspen	10	Sapling	1							
	Red Maple	20	Sapling	1							
	White Pine	15	Sapling	1							
	Red Oak	5	Sapling	2							
	Red Oak	10	Log	14	70						
	White Pine	5	Log	14							
46	6124 - Lowl	and Spruce	-Fir F	Poletimbe	er Well	18.7	63 U	nspecified	N/A		This stand is a ridge/slope to the river.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	20	Pole	8		Bals	am Fir	Low	5 - 10 feet	Sapling	
	Balsam Fir	30	Pole/Sap/Log	9 6	63	Black	Spruce	Low	< 5 feet	Sapling	
	Black Spruce	30	Pole/Log/Sap	8 0		Tag	Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	15	Log	12		Red	Maple	Medium	5 - 10 feet	Sapling	
	Black Cherry	5	Pole/Log	8				,			
47	42110 - Pla	nted Red P	ine F	Poletimbe	er Well	26.6	59	81-110	N/A		Harvested in fall of 2016, Kicken Aspen Sale.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	3	Pole	6		Whit	e Pine	Low	Variable	Sapling	
	Quaking Aspen	2	Pole	6		Pin	Cherry	Low	< 5 feet	Tall Shrub	
	White Pine	5	Pole	9							
	Red Pine	90	Pole	9	59						
48	42110 - Planted Red Pine		ine S	Sawtimber Well		193.2	66	81-110	N/A		Stocking varies greatly throughout stand, very south end is much better
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	stocking. Red Pine was planted in 57 and jack pine in 72. Jack Pine was inter-planted due to scledederris mortality.
	White Pine	5	Log/Pole	10		Whit	e Pine	Low	Variable	Sapling	was mas planted and to solution mortality.
	Red Pine	80	Log	12	66	Jac	k Pine	Low	5 - 10 feet	Sapling	
	Jack Pine	15	Pole	9	50	Pin	Cherry	Low	< 5 feet	Sapling	
50	4133 - Aspe	en, Mixed P	ine F	Poletimbe	er Well	5.7	45	51-80	N/A		Harvest when adjacent compartment is prepared.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	50	Pole	7	45	Whit	e Pine	Low	Variable	Sapling	
	White Pine	30	Pole	9		Quakir	ig Aspen	Medium	5 - 10 feet	Sapling	
	Red Oak	5	Log	10							