

Compartment Review Presentation

Traverse City Forest Management Unit Compartment 61046 Entry Year 2025 Acreage: 3,131 County Grand Traverse Management Area: Kalkaska Sandy Moraines

Stand Examiner: Pat Ruppen

Legal Description:

Sections 1, 2, 11 & 12 T26N-R9W, and Sections 25, 35 & 36, T27N-R9W, Grand Traverse County

Identified Planning Goals:

This compartment is located within the Kalkaska Sandy Moraines Management Area. A plan for the management of this area currently under development and review. This compartment also falls within Land Type Association 5111 in Subsection VII 2.2. This is described as broad, flat, excessively drained outwash plain with few kettle lakes. This sub-section has relatively high elevation and extreme temperature variations. Pre-settlement vegetation was primarily conifer forests and pine barrens on the most fire prone sites. Mixes of white pine, oak, and other conifers occupied the less fire prone sites while beach/sugar maple association forests were found on the least fire prone sites. Wildfires were common and large and areas of wind throw were also reported. Due to wildfire suppression and conversion to xeric pine plantations, the extent of pine barrens has been greatly diminished. Some poorly drained outwash supporting conifer swamps with uplands inclusion were found and are present in this compartment. Current vegetation shows a shift from lowland conifers to lowland hardwoods and a large increase in aspen/birch forests which have replaced coniferous forests as compared to presettlement levels. There are many rare and threatened species associated with the Land Type association and the majority of them are commonly found in pine or oak/pine barrens. Several management focuses are recommended as a result of field inventory and analysis. Stands of mixed pine with an aspen and oak component were in the 80-90 year age class. Some of these stands are recommended for final harvest and replanting to restart a stand of managed red pine. Several stands were noted with low stocked jack and white pine and red maple/cherry regeneration formed after prior harvests. These stands are prescribed to be harvested and planted to establish a well-stocked red pine stand. An area in the north half of Section 12 is under current management as a Barrens Restoration project. It is recommended that this area be maintained with prescribed fire. Several natural white pine stands are prescribed for crown thinning to maintain the health and growth in these stands. An area of mature aspen is also recommended for harvest to restart this aspen stand and build age class diversification in the area.

Soil and topography:

Rubicon. Rwa most common. C in low areas. Some Cra in south part of Section 1. Terrain is level to rolling with steep banks in some areas along river floodplain.

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

Complete State of Michigan ownership in east ½ of compartment. Mixed ownership in west ½.

Unique Natural Features:

North and South Branch of Boardman River along with associated tributaries. Element Occurrence of Hill's Thistle in Section 35 along Broomhead Road.

Archeological, Historical, and Cultural Features:

none known but high potential for historical sites along bluffs of Boardman River.

Special Management Designations or Considerations:

The North and South Branches of the Boardman River are Designated Natural Rivers. An Area in the north ½ of Section 12 will be managed as A Special Conservation Area- Oak/Pine Barrens.

Watershed and Fisheries Considerations:

Both the North and South Branches of the Boardman River can be found within this compartment. Both of these streams are top quality, naturally reproducing trout streams. Though none of the proposed treatments appear as though they will have any impact on the riparian zones of these streams, the appropriate BMP's and Natural Rivers buffers should be adhered to.

Wildlife Habitat Considerations:

This compartment falls entirely within a broad, flat outwash plain with few wetlands and excessively drained sandy soil. Consequently, this is a fire-driven landscape, so a range of habitat conditions from open barrens to some late-successional forests, in various fire protected locations, is appropriate. Thus management should continue to promote various age classes and species mixes of oak-aspen-pine forest through burning and timber harvest. Final harvests should retain as many snags and downed logs as possible as well as a variety of residual live trees, especially oak and mast bearing shrubs like Juneberry and hawthorn. Sale operations should leave as many tops as possible unchipped which can be left in brush piles for small animal cover.

Oak Pine Barrens restoration work has taken place in section 12. Approximately 200 acres now have been burned multiple times and will continue as needed. Both rare and common wildlife species utilize the unique blend of habitat components provided by barrens. Several abandoned oil well sites within the restoration area will need work to eliminate invasive species. Species benefiting from this habitat would include white-tailed deer, fox squirrel, badger, red fox, Eastern box turtle, ruffed grouse, prairie warbler, Eastern bluebird, as well as a host of common and rare invertebrates and plants.

The compartment is split in several locations by the North and South Branches of the Boardman River. These riparian areas should be primarily managed for lowland mixed forest, including cedar and hemlock. These riparian corridors provide valuable travel corridors for wildlife and deer use them for winter cover. Natural disturbances included beaver activity and small blowdown patches, which can be mimicked with occasional patch cuts if necessary. Species utilizing this habitat include bear, bobcat, raccoon, silver-haired bat, snowshoe hare, and white-breasted nuthatch.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no current economic use for the Coldwater. The nearest gravel pit is one mile to the southeast and there could be potential. This area is located along the south edge of the prolific Guelph (Niagaran) reef trend. Most of the Compartment is leased and held by old leases. Additional reefs may be found in this compartment. The Antrim Shale has not been developed in this area and may be too deep. Most of the Compartment has been leased for underground gas storage of the older producing fields.

Vehicle Access:

Access is relatively good with routes on County Roads and forest roads.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

Snowmobile Trail #55 (Boardman Valley Snowmobile Trail) runs East/West along the southern portion of the compartment. The Grand Traverse motorcycle trail is located in the SW corner of this compartment. The Shore to Shore & North Country Trail riding and hiking trail goes through the NW corner of this compartment. The Grand Traverse motorcycle trail is designated by the Directors Order to remain a "2 wheeled vehicle only use trail"-therefore this trail should be kept tight, narrow, and curvy. Un-merchantable vegetation & understory trees adjacent to this special cycle trail should be protected, and remain next to the tread to promote narrow use. Merchantable trees removed directly adjacent to the cycle trail should be flush cut to insure stumps aren't hidden by ferns, resulting in an unsafe condition. The appropriate trail protection specifications used for each of these 3 types of trails would reduce impacts on users, increase safety, and educate the recreational user on the benefits of using sound silvics to manage our multi-use forest resource. Non-winter harvests near the snowmobile trail, flush cut stumps adjacent to the motorcycle trail, and leaving a debris free tread on the horse/hiking trail are all suggested considerations. Hunting and fishing are popular in this compartment. (TMN 3/13)

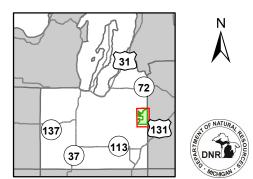
Fire Protection:

Fire protection for this area is covered from the Traverse City Field Office with back up support from Kalkaska DNR and local township fire departments. Manton DNR can also respond if require to assist. Road access into the compartment is relatively good with a combination blacktop and dirt roads running through the compartment. Travel time for fire suppression is reasonable.

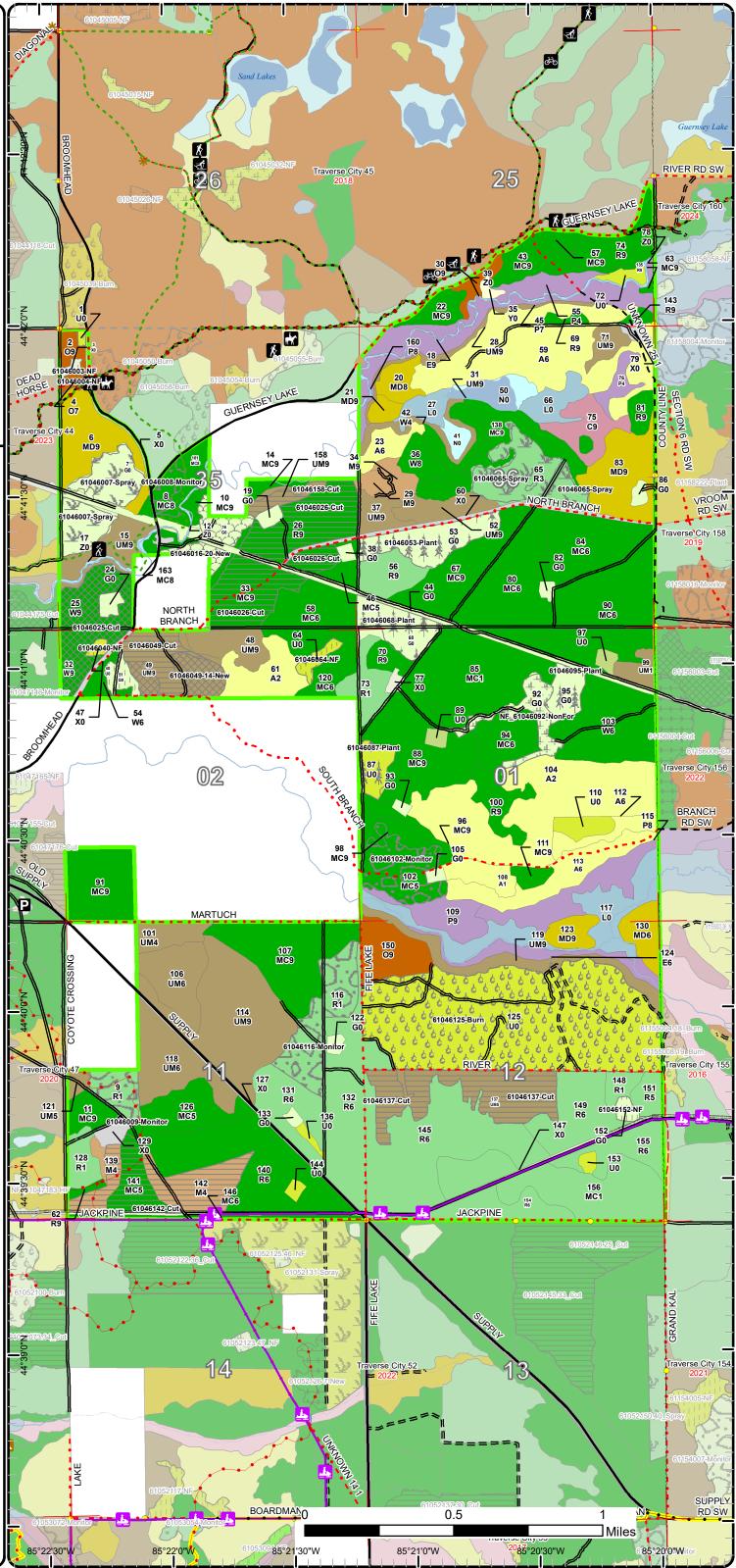
Additional Compartment Information:

Cover Type & Treatments Map

Compartment: 46 T27N-R9W Sec.25,35,36 **County: Grand Traverse** Unit: Traverse City Mgmt Area: Kalkaska Sandy Moraines YOE: 2025 3130.7 GIS Calculated Acres: Examiner: Pat Ruppen Map Revised: 5/10/2023 Map Phase: Web-Post

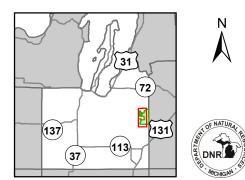


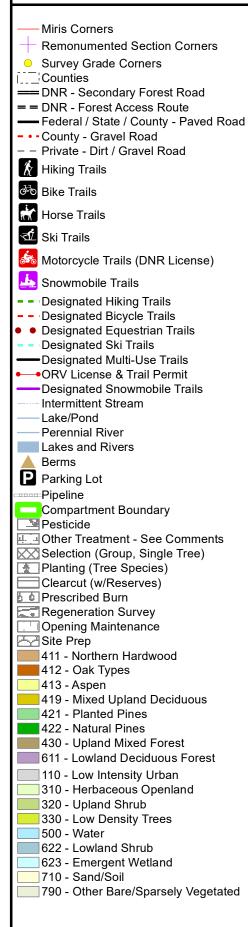
- Miris Corners
- **Remonumented Section Corners** Survey Grade Corners 0 Counties DNR - Secondary Forest Road = = DNR - Forest Access Route
- Federal / State / County Paved Road
- - Federal / State Dirt / Gravel Road - • - County - Gravel Road
- County Dirt Road (Seasonal)
- Private Dirt / Gravel Road
- K Hiking Trails
- 💑 Bike Trails 🛣 Horse Trails
- 🐋 Ski Trails
- Motorcycle Trails (DNR License)
- 🚣 Snowmobile Trails
- - Designated Hiking Trails
- - Designated Bicycle Trails Designated Equestrian Trails
- Designated Ski Trails
- Designated Multi-Use Trails ORV License & Trail Permit
- Designated Snowmobile Trails Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- Parking Lot
- Pipeline
- Compartment Boundary Pesticide
- . Other Treatment See Comments Selection (Group, Single Tree)
- Planting (Tree Species)
- Clearcut (w/Reserves)
- Prescribed Burn
- Regeneration Survey
- Opening Maintenance
- Site Prep
- 411 Northern Hardwood 412 - Oak Types
- 413 Aspen
- 419 Mixed Upland Deciduous
- 421 Planted Pines
- 422 Natural Pines
- 430 Upland Mixed Forest

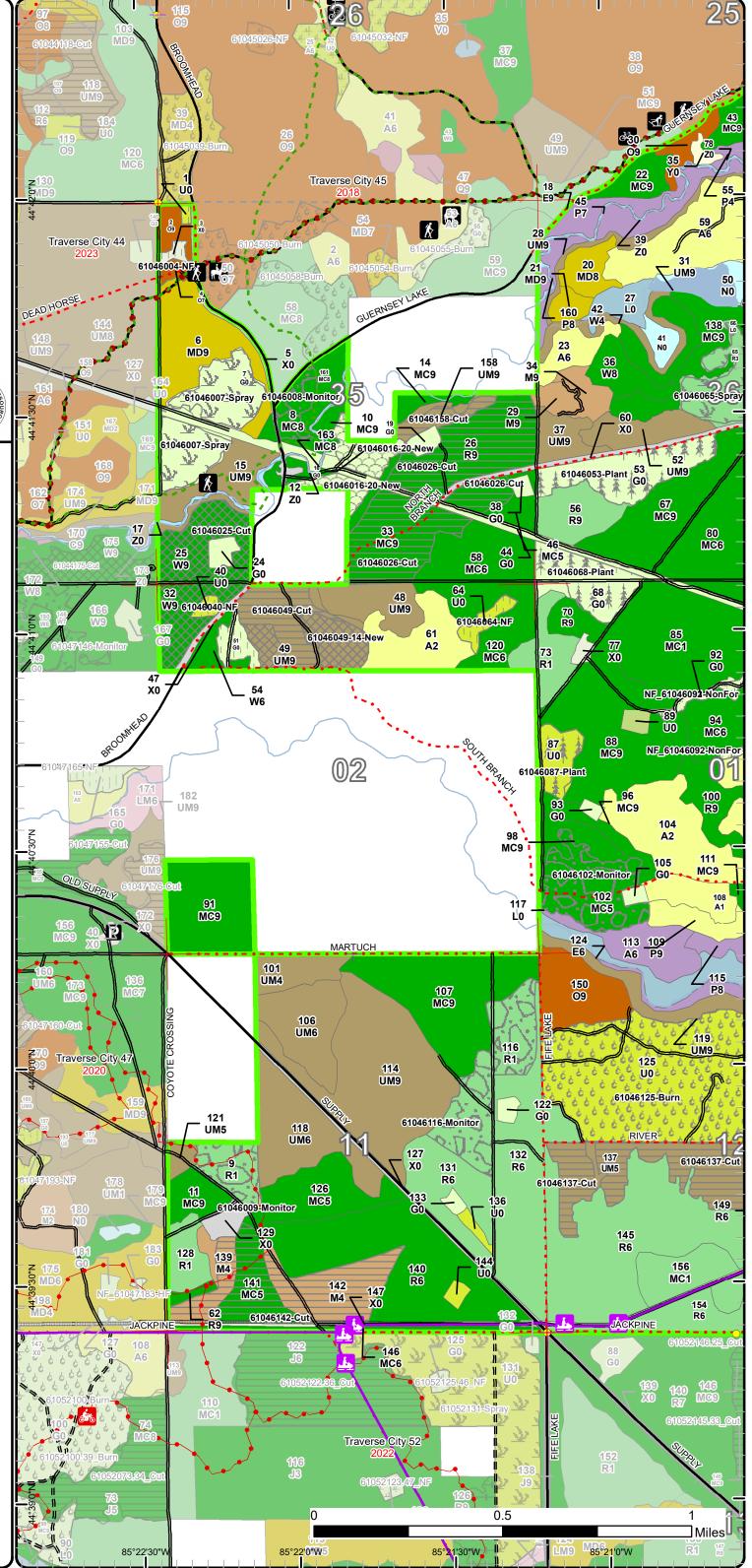




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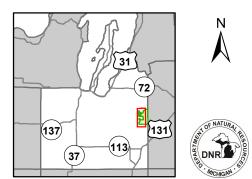




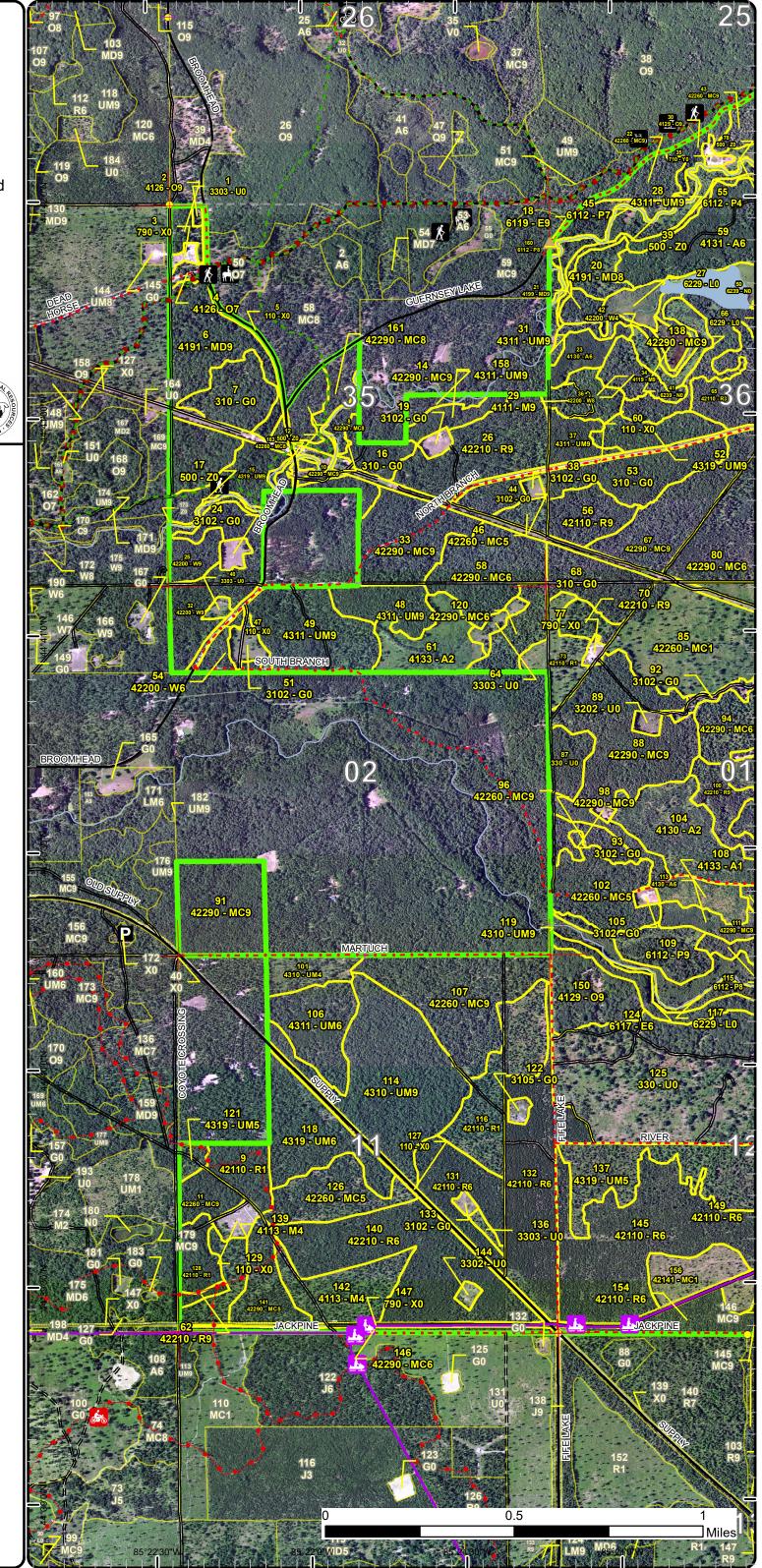


Stand Boundary Map

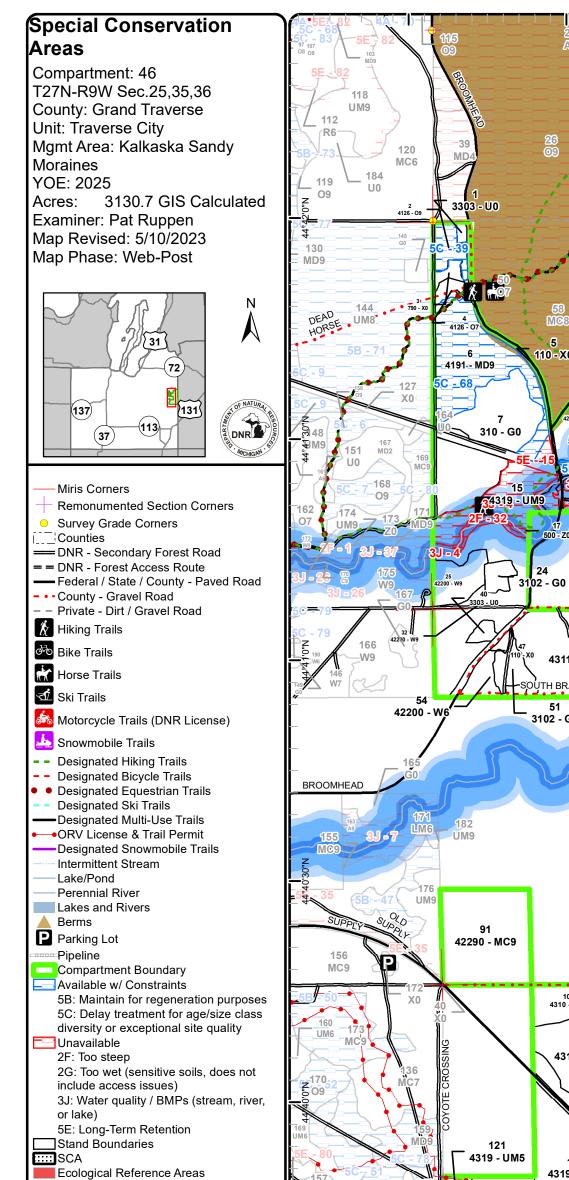
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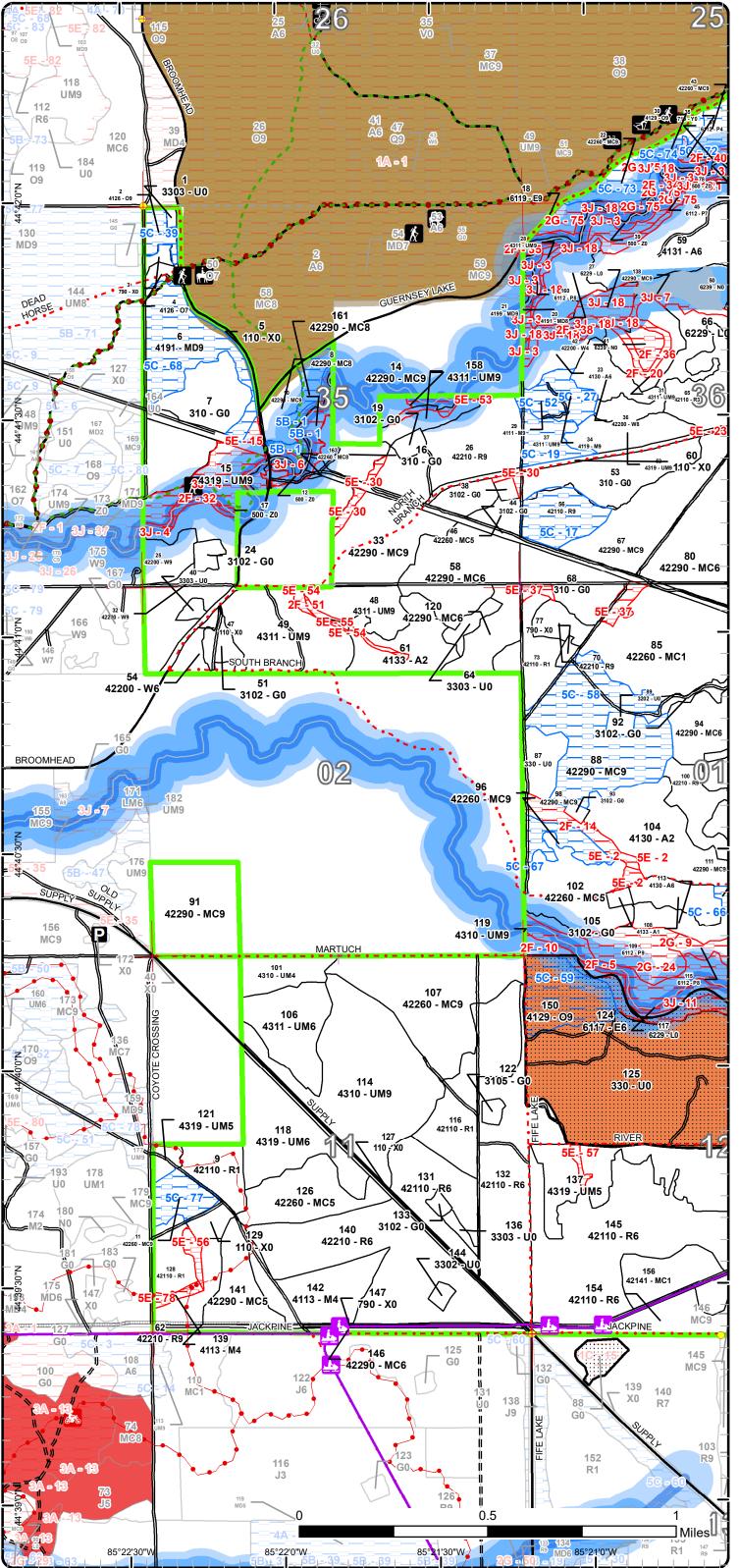


Miris Corners **Remonumented Section Corners** 0 Survey Grade Corners Counties DNR - Secondary Forest Road = = DNR - Forest Access Route Federal / State / County - Paved Road - • - County - Gravel Road - - Private - Dirt / Gravel Road Hiking Trails 💑 Bike Trails Horse Trails 🗹 Ski Trails 💑 Motorcycle Trails (DNR License) 🚣 Snowmobile Trails - - Designated Hiking Trails Designated Bicycle Trails
Designated Equestrian Trails Designated Ski Trails Designated Multi-Use Trails •ORV License & Trail Permit Designated Snowmobile Trails Intermittent Stream Lake/Pond Perennial River Lakes and Rivers Berms Parking Lot Pipeline Compartment Boundary Stand Boundaries 411 - Northern Hardwood 412 - Oak Types 413 - Aspen 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 110 - Low Intensity Urban 310 - Herbaceous Openland 320 - Upland Shrub 330 - Low Density Trees 500 - Water



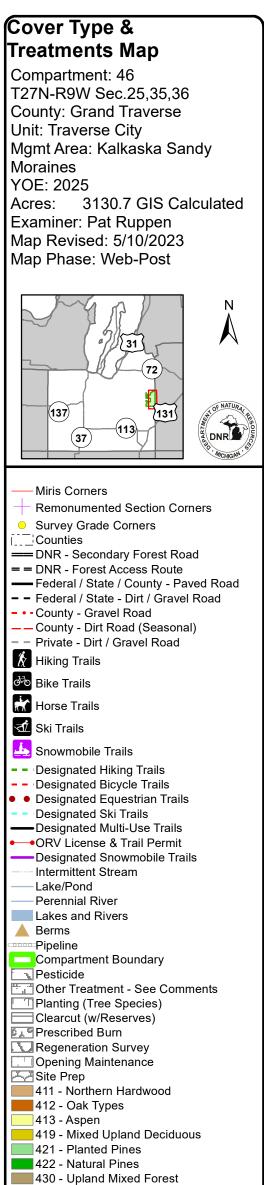
622 - Lowland Shrub 623 - Emergent Wetland 710 - Sand/Soil 790 - Other Bare/Sparsely Vegetated

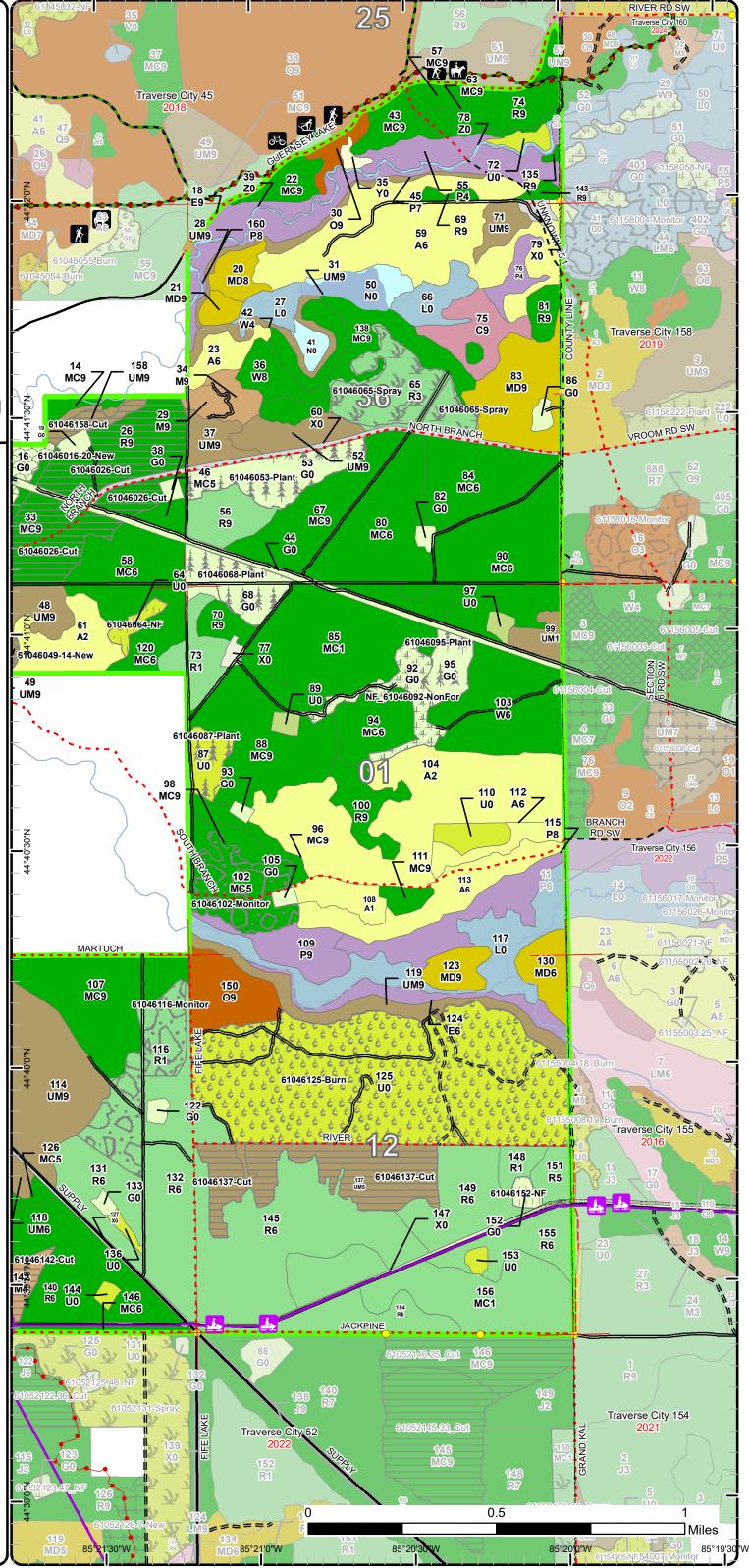


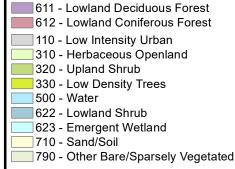


Natural Rivers Zoning District
Forest Habitat Core Interior
Dedicated Management Areas
Cold Water Streams
High Priority Trout Stream Buffer
Other Habitat Area

Natural Rivers Vegetative Buffer

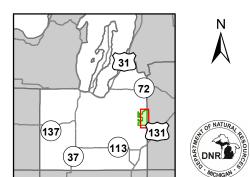




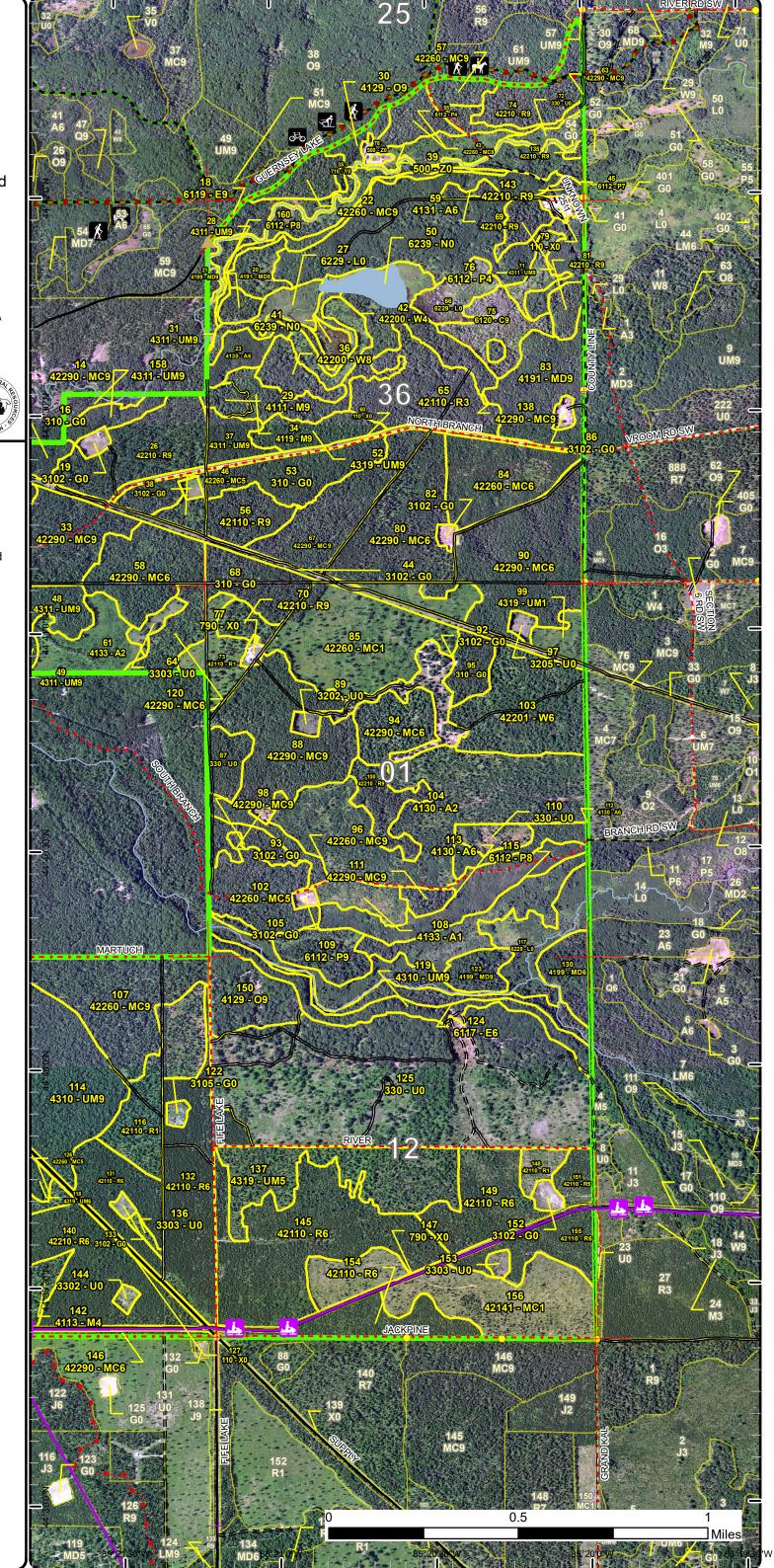


Stand Boundary Map

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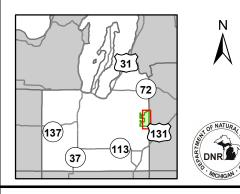
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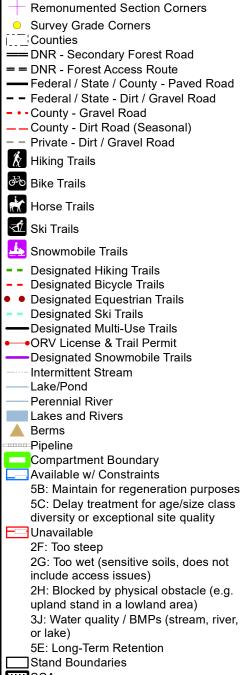
790 - Other Bare/Sparsely Vegetated

Special Conservation Areas

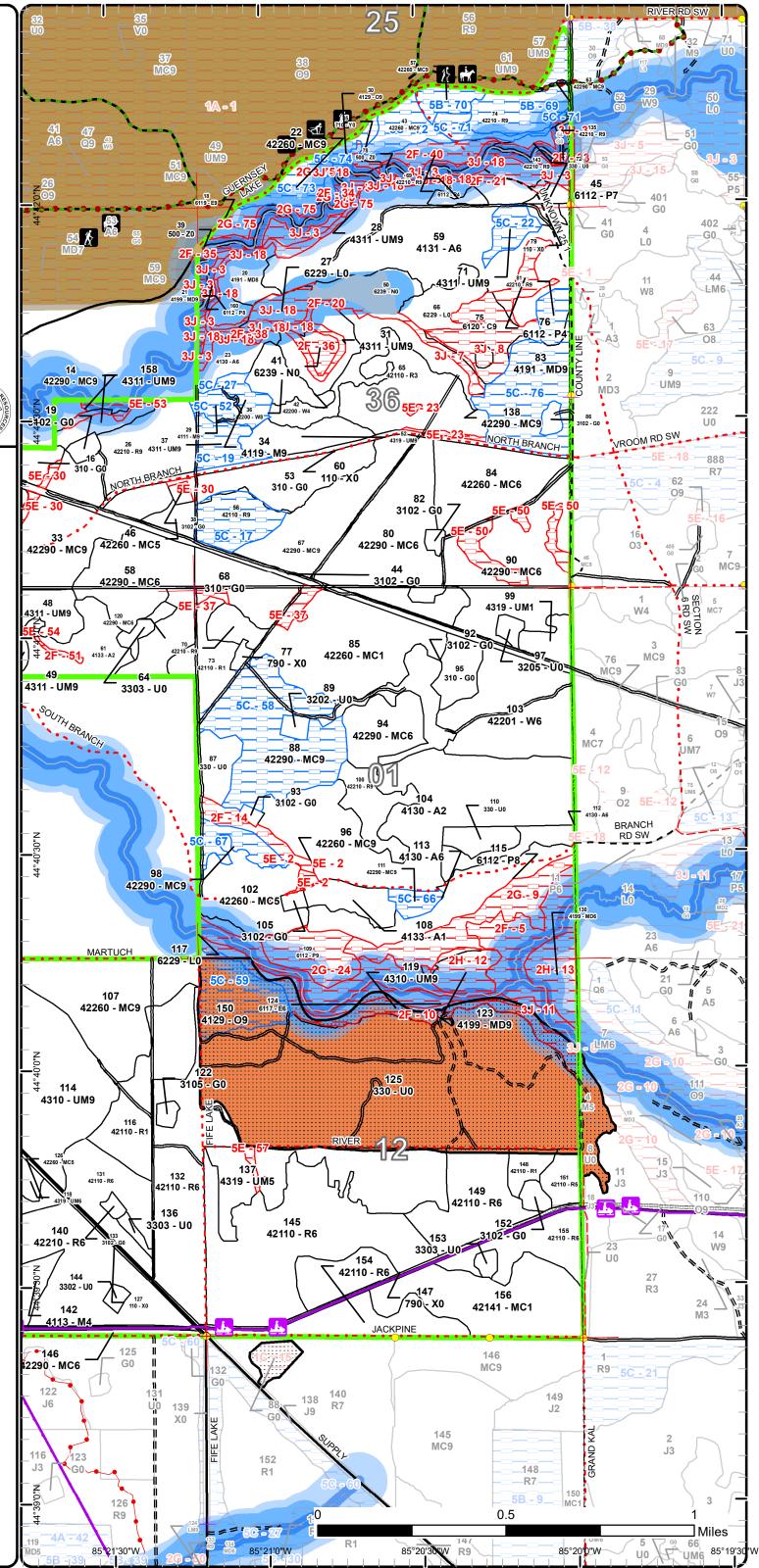
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Miris Corners



SCA Natural Rivers Vegetative Buffer



Natural Rivers Zoning District Forest Habitat Core Interior Dedicated Management Areas Cold Water Streams High Priority Trout Stream Buffer Other Habitat Area 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

Pat Ruppen : Examiner

Year of Entry 2025



Age Class

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Aspen	0	0	132	54	105	0	0	0	0	0	0	0	0	0	0	0	0	0	291
Bare/Sparsely Vegetated	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	19
Herbaceous Openland	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185
Low-Density Trees	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	242
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	72	29	0	0	0	0	0	0	0	0	100
Lowland Deciduous	0	0	0	0	0	0	0	0	0	15	11	0	0	0	0	0	0	0	26
Lowland Shrub	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Marsh	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	5	0	0	0	10	62	34	0	0	0	0	0	0	0	111
Natural Mixed Pines	0	0	70	36	90	50	0	14	35	348	66	11	24	0	0	0	0	0	744
Northern Hardwood	0	0	0	0	0	0	0	0	40	8	0	0	5	0	0	0	0	0	53
Oak	0	0	0	0	0	0	0	0	3	0	6	32	0	0	0	0	0	0	41
Planted Mixed Pines	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Red Pine	0	127	0	0	335	0	0	0	24	81	0	0	22	0	0	0	0	0	589
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	8	0	120	17	0	0	52	63	18	24	0	0	0	0	0	76	378
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
White Pine	0	0	0	0	62	0	0	0	49	12	0	0	0	0	0	0	0	0	123
Total	587	196	210	90	717	67	0	14	285	637	135	67	51	0	0	0	0	76	3131

Acres of Harvest



Compartment 46 Total Compartment Acres: 3,131

Commercial Harvest - 271 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

			Concert Concert	in the second	CO CO	and the second	AND COMPANY	in Oro	Reputer C	and the second	No. No.	S. S
Northern Hardwood		55	0	0	0	0	0	0	0	0	55	Í
Red Pine		79	0	0	0	0	0	0	0	0	79	
Upland Mixed Forest		77	17	0	0	0	0	0	0	0	95	
White Pine		0	43	0	0	0	0	0	0	0	43	
	Total	211	60	0	0	0	0	0	0	0	271]

Proposed and Next Step Treatments by Method

			AND IN IT	Contraction of the second	Onition of the second	A CONTRACTOR	our c	An California	Silicito	ON ^{CO} NO	6 / 2	S. S
Current		271	15	68	0	203	68	90	0	38	752	
Next Step		0	371	200	0	0	200	690	0	203	1665	
	Total	271	386	269	0	203	268	780	0	241	2417	

Prescription Specs: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Acceptable Regen: Working reclaim Other Comment: Working reclaim Site Condition Proposed Start Date: Prescription Specs: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: 10/1 /2 Acceptable Regen: 10/1 /2 4 61046004-NF 2.9 Prescription Specs: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Next Step Treatments: Selectively remo fruiting shrubs, a existing native vi Eventually burn it Other Selectively remo fruiting shrubs, a	CoverType Der 0 3303 - Mixed Low Nons Density Trees Nons Density Trees 10 0 3303 - Mixed Low Nons Density Trees 10 0 3303 - Mixed Low Nons Density Trees 10 0 0 10 1 1 11 1 1 11 1 1 11 1 1 12 1 1 13 1 1 14 1 1 15 1 1 16 1 1 17 1 1 18 1 1 17 1 1 18 1 1 17 1 1 18 1 1 19 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 <	nstocked L barrens equivale trees and shrub h additional nativ parrens dynamic. onnect this stand nstocked L barrens equivale trees and shrub h additional nativ	ified ent. Impus. S. Shoul ve seeds. Remov with star with star Unspec ified ent. Impus. Shoul ve seeds,	ortant trees to re ld eventually bu /seedling as nee /e invasive spec nd 3. NonForestMgt ortant trees to re ld eventually bu /seedling as nee	Irn to stimulate any eded to diversify sit cies mechanically o Herbaceous/Crop /Grass Planting etain would be matu irn to stimulate any eded to diversify sit	Season Grass ure "wolf" trees of existing seed bar of or wildlife forag with herbicide tr 31022 - Warm Season Grass ure "wolf" trees of existing seed bar of or wildlife forag	hk and encou ge and cover. reatment. f oak, pine or hk and encou ge and cover.	cherr
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Acceptable Regen: Working reclaim Other Comment: Working reclaim Site Condition Proposed Start Date: 10/1 /2/2 3 61046003-NF 2.0 Prescription Specs: Selectively remons fruiting shrubs, a existing native vale ventually burn fruiting s	2024 790 - Other Nons Bare/Sparsely Vegetated rove woody vegetation to ba and a scattering of other tr vegetation. Augment with a notationally to maintain ba 2024 2024 2024 2024 2024 2024 2024	nstocked L barrens equivale trees and shrub h additional nativ	Unspec ified ent. Impos. Shoul	NonForestMgt ortant trees to re Id eventually bu /seedling as nee	/Grass Planting etain would be matu Irn to stimulate any eded to diversify sit	Season Grass are "wolf" trees of existing seed bar e for wildlife forag	nk and encou ge and cover.	irage
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Specs: fruiting shrubs, a existing native vertices and the second se	ove woody vegetation to be and a scattering of other tr vegetation. Augment with a	wtimber 71	1-50	NonForestMgt	Herbaceous/Crop	330 - Low-		
Treatments: Acceptable Regen: Other		trees and shrub h additional nativ	s. Shoul ve seeds	ld eventually bu /seedling as nee	Irn to stimulate any eded to diversify site	existing seed bar	nk and encou ge and cover.	irage .
Regen: Other								
Comment:								
Site Condition								
Proposed Start Date: 10/1 /2	2024							

Traverse City Mgt. Unit

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Report 3 -- Treatments

Compartment: 46 Year of Entry: 2025 DNR MINGHIGAN

t										. 2020	DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
9	61046009- Monitor	14.1	42110 - Planted Red Pine	Sapling Poor	3	Immatu re	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
Pres Spec		or red pine	survival after dry su	ummer. So	me loss	s noted in	inventory. Do n	ot need to herbicid	e. Light oak and	cherry sprout	ing.
	<u>Step</u> tments:										
Acce Rege	e <u>ptable</u> red pi en:	ne, oak. wł	nite pine.								
Othe											
Site	Condition										
	osed Start Dat	<u>e:</u> 10/1 /20)22								
32	61046025-Cu	t 42.5	42200 - Natural White Pine	Sawtimbe Well	er 70	111- 140	Harvest	Single Tree Selection	4319 - Mixed Upland Forest	Uneven- Aged	No
Pres Spec			pen by contract spe ed by pine. Target								
	<u>Step</u> Monite tments:	oring, Natu	ral Regen (Re-Inver	ntory)							
Acce Rege	eptable_pine, a	aspen, map	ole, oak.								
<u>Dthe</u> Com	er ment:										
Site	Condition										
Prop	osed Start Dat	<u>e:</u> 10/1 /20)24								
26	61046026-Cu	t 78.8	42210 - Natural Red Pine	Sawtimbe Well	er 82	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	N
Pres Spec		st stems to	o 1". Chip tops to pi		planting	g. Plant re	ed pine after har	vest and site prep.	Neu Fille		
			ning; Pesticide, Ae ePrep, Roller Chop		rep; Pl	lanting, Ini	itial Plant; Mon	itoring, Artificial Re	gen(1yr); Monito	oring, Artificia	I
Acce Reg	e <u>ptable</u> Plante en:	ed red pine	,								
<u>Othe</u> Com			nd in red pine produ er last harvest. Still,					vanced aspen, red	maple, white pine	e and cherry	
Site	Condition										
Prop	osed Start Dat	<u>e:</u> 10/1/20)24								
40	61046040-NF	2.0	3303 - Mixed Low Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	31022 - Warm Season Grass		N
Pres Spec	<u>cs:</u> fruitin existir	g shrubs, a ng native ve	ve woody vegetation nd a scattering of o egetation. Augment rotationally to mainta	ther trees a twith additi	and shru onal na	ubs. Shou tive seeds	Id eventually bu	rn to stimulate any eded to diversify si	existing seed ba te for wildlife forag	nk and encou ge and cover.	rage
	<u>Step</u> tments:										
Acce Rege	eptable_ en:										
<u>Othe</u> Com	e <u>r</u> ment:										
Site	<u>Condition</u>										

Traverse City Mgt. Unit

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Report 3 -- Treatments

Compartment: 46

name CoverType Density Age Range Type Method Objective Structure 49<61046049-14- New 17.4<4311 - Pine, Aspen Sawtimber 70 81-110 Harvest Single Tree 4319 - Mixed Two-Aged Prescription Remove aspen, red maple and jack pine by specification. This remaining stand for crop tree release. Reidual stocking will be 120 ba Special Single Tree Rease will formed oak as found. Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Single Tree Rease will formed oak as found. Other Expect white pine and aspen to fill geps. Single Tree Retention Upland Forest Verify and the second oak and pine. Proposed Start Date: 101 / 7024 49 61046049-Cut 18.7 4311 - Pine, Aspen Sawtimber 70 81-110 Harvest Clearcut with Retention 4319 - Mixed Two-Aged Prescription Harvest to regenerate. Cut to 1*dbh unless green marked. Keep some widely scattered well formed oak and pine. Retention area on 1 Specs: edge. Two-Aged Prescription Harvest to regenerate. Cut to 1*dbh unless green marked. Keep some widely scattered we	n Treatment Access base Stand BAse Stand BAse Treatment Treatment Treatment Treatment Cover Type Age	S t	114	verse ony			repo		reatments		Compartmer Year of Entr		DNR March
New Mix Well Selection Upland Forest Prescription Secsor. Remove aspen, rad maple and jack pine by specification. Thin remaining stand for crop tree release. Residual stocking will be 120 ba Secsor. Residual Stocking will be variable. Residual Stocking will be variable.	New New Weil Selection Upland Forest Plascription Remove aspen, red maple and jack pine by specification. Thin remaining stand for crop tree release. Reidual stocking will be 120 ba or fosses. Stocking will be variable. Target poortly formed weevield white pine and suppressed trees. Release well formed oak as found. Next Step Monitoring, Natural Regen (Re-Inventory) Image the variable. Target poortly formed weevield white pine and suppressed trees. Release well formed oak as found. Next Step Approxed Start Date: 10/1 / 2024 Image the variable. Target poortly formed weevield white pine and suppressed trees. Adj 19 - Mixed Nrv-Aged N Mix Well Mix Well Clearcut with 4319 - Mixed Nrv-Aged N Step Condition Proposed Start Date: 10/1 / 2024 Adj 9 61046004 - Cut 18.7 4311 - Pine, Aspen Sawtimber 70 81-110 Harvest Clearcut with 4319 - Mixed Two-Aged N N Prescription Harvest to regenerate. Cut to 1*dbh unless green marked. Keep some widely scattered well formed oak and pine. Retention area on NE Space. Next Step Monitoring, Natural Regen (Re-Inventory) Image Market Norege Noregetain to area on NE Space: Space Noregetain Adj 2014 / 2024 Space Noregetain Adj 2014 / 2024 N Star Condition Proposed Start Date: 10/1 / 2024	n Trea		Acres								-	Habita Cut
Specs: tess. Stocking will be variable. Target poorly formed weeviled white pine and suppressed trees. Release well formed oak as found. Next Sign: Monitoring, Natural Regen (Re-Inventory) Acceptable aspen, oak, pine, maple Regen: Expect white pine and aspen to fill gaps. Comment: Site Condition Proposed Start Date: 10/1 /2024 49 6106049-Cut 18.7 4311-Pine, Aspen Sawtimber 70 81-110 Harvest Clearcut with 4319 - Mixed Two-Aged Mix Well Max Well Max Well Retention Upland Forest Prescription Harvest to regenerate. Cut to 1'dbh unless green marked. Keep some widely scattered well formed oak and pine. Retention area on 1 Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable. aspen, oak, pine, maple Regen: Other Gammant: Site Condition Proposed Start Date: 10/1 /2024 51 61040051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 3102 - Warm Freadments: Step Step Should be mature 'wolf' trees of oak, pine or cherr Step Step Step	Specs: less. Stocking will be variable. Target poorly formed weeviled white pine and suppressed trees. Release well formed oak as found. Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Specs: Acceptable. aspen, oak, pine, maple Regan: Expect white pine and aspen to fill gaps. Comment: Site Condition Proposed Start Date: 10/1 /2024 49<61046049-Cut			17.4 4			er 70	81-110	Harvest				No
Comment: Site Condition Proposed Start Date: 10/1 /2024 49 61046049-Cut 18.7 4311 - Prine, Aspen Sawtimber 70 81-110 Harvest Clearcut with 4319 - Mixed Two-Aged Prescription Harvest to regenerate. Cut to 1"dbh unless green marked. Keep some widely scattered well formed oak and pine. Retention area on I Specs: edge. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable. aspen, oak, pine, maple Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm filed //Grass Planting Season Grass Prescription Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "woll" trees of oak, pine or cherr Specs: Truiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seed/seeding as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Ne	Comment: Site Condition Proposed Start Date: 10/1 /2024 49 61046049-Cut 18.7 4311 - Pine, Aspen Sawtimber 70 81-110 Harvest Clearcut with 4319 - Mixed Two-Aged N Mix Well Well Retention Upland Forest N Prescription Harvest to regenerate. Cut to 1"dbh unless green marked. Keep some widely scattered well formed oak and pine. Retention area on NE Specs: edge. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, oak, pine, maple Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm N filed //Grass Planting Season Grass N Iffeed /Grass Planting Seeason Grass N Prescription Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherry, fritting shrubs, and a scattering of othor trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation.<	Specs: Next Step Treatments Acceptable	less. S Monitor <u>::</u>	tocking wil	ll be variable. Targ al Regen (Re-Inver	et poorly fo							
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Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm ified ////////////////////////////////////	Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm N 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm N Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherry, fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Site Condition			ing, Natura	al Regen (Re-Inver	ntory)							
Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm field Prescription Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherr fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step. Treatments: Acceptable Regen: Other Comment: Site Condition Site Condition	Comment: Site Condition Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm Nonstocked Nons		_ aspen,	oak, pine,	maple								
Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm Prescription Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherr Specs: Selectively remove woody vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Site Condition	Proposed Start Date: 10/1 /2024 51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm Nonstocked Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm Nonstocked Nonstocked Unspec NonForestMgt Herbaceous/Crop 31022 - Warm Nonstocked Nonstocked Unspec Nonstocked Nonstocked Unspec Nonstocked Nonstocked Nonstocked Nonstocked Nonstocked Nonstocked Notesting												
51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop Season Grass 31022 - Warm Season Grass Prescription Specs: Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherr fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition	51 61046051-NF 6.3 3102 - Grass Nonstocked Unspec NonForestMgt Herbaceous/Crop Grass 31022 - Warm Season Grass NonForestMgt Herbaceous/Crop Grass Planting Season Grass NonForestMgt Herbaceous/Crop Grass Season Grass NonForestMgt Herbaceous/Crop Grass Planting Season Grass NonForestMgt Herbaceous/Crop Grass Planting Season Grass NonForestMgt Herbaceous/Crop Grass Planting Season Grass NonForestMgt Herbaceous/Crop Season Grass NonForestState Next Step Treatments: NonForestMgt Herbaceous/Crop Season Grass		ion										
ified /Grass Planting Season Grass Prescription Specs: Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherr fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Next Step Treatments: Remove invasive species mechanically or with herbicide treatment. Acceptable Regen: Cother Comment: Site Condition Site Condition	ified /Grass Planting Season Grass Prescription Specs: Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherry, fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition	Proposed S	Start Date:	10/1 /202	24								
Prescription Specs: Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherr fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition	Prescription Specs: Selectively remove woody vegetation to barrens equivalent. Important trees to retain would be mature "wolf" trees of oak, pine or cherry, fruiting shrubs, and a scattering of other trees and shrubs. Should eventually burn to stimulate any existing seed bank and encourage existing native vegetation. Augment with additional native seeds/seedling as needed to diversify site for wildlife forage and cover. Eventually burn rotationally to maintain barrens dynamic. Remove invasive species mechanically or with herbicide treatment. Next Step Treatments: Acceptable Regen: Other Comment: Ste Condition	51 6104	6051-NF	6.3	3102 - Grass	Nonstocke	ed		NonForestMg	t Herbaceous/Crop			No
Treatments: Acceptable Regen: Other Comment: Site Condition	Treatments: Acceptable Regen: Other Comment: Site Condition	Specs:	fruiting existing	shrubs, an native veg	nd a scattering of ot getation. Augment	ther trees a with additi	ind shru onal na	alent. Imp ubs. Shou tive seeds	Id eventually b s/seedling as ne	retain would be mat urn to stimulate any eeded to diversify si	ture "wolf" trees o existing seed ba te for wildlife fora	of oak, pine or ink and encou ge and cover.	irage
Regen: Other Comment: Site Condition	Regen: Other Comment: Site Condition		<u>::</u>										
Other Comment: Site Condition	Other Comment: Site Condition	_	-										
Site Condition	Site Condition	Other											
			ion										
Proposed Start Date: 10/1/2024				: 10/1 /202	24								

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Report 3 -- Treatments

S t	Tra	verse City	Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartmen Year of Entry		DNR DV R
a n Treat d Na	ment me	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
64 61046	064-NF	4.5 3	303 - Mixed Low Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	t Herbaceous/Crop /Grass Planting	31022 - Warm Season Grass		No
<u>Specs:</u> <u>Next Step</u>	fruiting existing Eventua	shrubs, an native veg	d a scattering of or etation. Augment	ther trees a with additi	and shru onal na	ibs. Shou	uld eventually bu s/seedling as ne	retain would be mat urn to stimulate any eeded to diversify sit ecies mechanically o	existing seed bar	nk and encou ge and cover	urage
Treatments Acceptable											
<u>Regen:</u> <u>Other</u> <u>Comment:</u>											
Site Conditi	on										
Proposed S	tart Date:	10/1 /202	24								
137 61046	137-Cut	52.0	4319 - Mixed Upland Forest	Poletimbe Medium		1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Ageo	d No
Prescription Specs:		on strip in v						tain some widely sc arvest the other thin			
<u>Next Step</u> Treatments			ng; Pesticide, Ski Prep, Roller Chopp		Prep;	Planting,	Initial Plant; M	lonitoring, Artificial F	Regen(1yr); Mon	itoring, Artific	cial
Acceptable Regen:	planted	red pine, c	bak								
<u>Other</u> Comment:											
Site Conditi	on										
Proposed S	tart Date:	10/1 /202	24								
142 61046	142-Cut	54.7	4113 - R.Maple, Conifer	Poletimbe Poor	er 73	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Ageo	d No
Prescription Specs:	post ha		ain some well form					stems to 1' dbh. Ch motorcycle trail. Co			
<u>Next Step</u> Treatments			ng; Pesticide, Ski Prep, Roller Chopp		Prep;	Planting,	Initial Plant; M	lonitoring, Artificial F	Regen(1yr); Mon	itoring, Artifi	cial
Acceptable Regen:	planted	red pine									
<u>Other</u> Comment:											
Site Conditi	on										
Proposed S	tart Date:	10/1 /202	24								

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Report 3 -- Treatments

S t		Tra	verse City	Mgt. Unit		Repor	rt3 1	Freatments		Compartmen Year of Entry		DR DR DR CF
a n d	Treatr Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
152	61046 [,]	52-NF	3.3	3102 - Grass	Nonstock	əd	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	31022 - Warm Season Grass		No
<u>Spe</u>	<u>cs:</u>	fruiting existing	shrubs, and native veg	d a scattering of or etation. Augment	ther trees a twith additi	and shru onal nat	ibs. Shou	Id eventually bu	etain would be maturn to stimulate any eded to diversify situ cies mechanically o	existing seed ba e for wildlife forag	nk and encou ge and cover	urage
	<u>t Step</u> atments:											
Acce Reg	eptable en:											
<u>Othe</u> Com	er Iment:											
<u>Site</u>	Conditio	<u>n</u>										
Prop	osed St	art Date:	10/1 /202	24								
158	610461	58-Cut	6.6 43	311 - Pine, Aspen Mix	Sawtimbe Well	er 82	141- 170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Two-Aged	No
Pres Spec		Retain	some well f	ormed oak and pi	ne (10-40 k	oa) Harv	vest rema	ining stems to re	egenerate stand.			
	t Step atments:	Monitor	ing, Natura	l Regen (Re-Inver	ntory)							
Acce Reg		Aspen,	maple, pine	e, oak.								
<u>Othe</u> <u>Com</u>	er iment:											
<u>Site</u>	Conditio	<u>n</u>										
Prop	osed St	art Date:	10/1 /202	4								
92	NF_610 Nor		16.4	3102 - Grass	Nonstock	əd	Unspec ified	NonForestMgt	Other - Specify	31021 - Cool Season Grass		No
Pres Spec		Conitue	e previous p	rescription of plar	nting herba	ceous fo	orage crop	o for wildlife food	l and cover. Previo	us crops have be	een annual ry	e.
	t Step atments:											
<u>Acce</u> Reg	eptable en:											
<u>Othe</u> <u>Corr</u>	er iment:	Maintai	n as neede	d with mowing, se	eding, ferti	lizing, b	urning, or	removal of woo	dy encroachment.			
<u>Site</u>	Conditio	<u>n</u>										
Prop	osed St	art Date:	10/1 /202	.4								

Approved Treatments:

7 (61046007- Spray	33.3 310 - Herbace Openland		0	Unspec ified	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<u>Prescrip</u> <u>Specs:</u>	ution Release S	Spray Red Pine to Ach	ieve 80% free to g	grow	at this time.	Stand is curre	ently only 55% Fre	ee to grow after firs	t regen survey.	
<u>Next Ste</u> Treatme		g, Artificial Regen(3yr)								
<u>Accepta</u> <u>Regen:</u>	ble Planted re	ed pine.								
<u>Other</u> Comme		o Treat = 100%								
Site Cor	ndition									

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S t	т	raverse Cit	y Mgt. Unit		Repo	rt 3 T	Freatments		Compartmen Year of Entry		DR NATURAL RESOURCES
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
Prop	osed Start Dat	te: 10/1 /20)22								
8	61046008- Monitor	8.8	42290 - Natural Mixed Pine	Sawtimbe Medium		51-80	Monitoring	Natural Regen (Re-Inventory)	42260 - Natural Pine, Mixed Deciduous	Uneven- Aged	No
Pres Spec	<u>scription</u> . <u>cs:</u>										
	<u>: Step</u> .tments:										
Acce Reg		n, red mapl	e, white pine, red p	ine, jack pir	ne, oak,	birch.					
<u>Othe</u> Com	er Perce iment:	ent to Treat	= 100%								
<u>Site</u>	<u>Condition</u>										
Prop	osed Start Dat	<u>te:</u> 10/1 /20	032								
16	61046016-20 New	- 14.8	310 - Herbaceous Openland	Nonstock	ed 0	Unspec ified	SitePrep	Trenching	4211 - Planted Red Pine	Even-Agec	l No
Pres Spec		ch site to pro	epare for planting r	ed pine.							
	<u>Step</u> Pestientestientestienteste Step	cide, Skidde	er - Site Prep; Pla	nting, Initial	Plant;	Monitorin	g, Artificial Reg	gen(1yr); Monitorin	g, Artificial Regen	(3yr)	
Acce Reg	eptable plante en:	ed red pine.									
<u>Othe</u> Com	er iment:										
	Condition										
Prop	osed Start Dat	t <u>e:</u> 10/1 /20)22								
53	61046053- Plant	26.7	310 - Herbaceous Openland	Nonstock	ed 0	Unspec ified	Planting	Initial Plant	42111 - Planted Red Pine, Mixed Deciduous	Even-Agec	l No
	cription plant	red pine									
	<u>Step</u> ; Mo	nitoring, Ar	tificial Regen(1yr);	Monitoring	ı, Artific	ial Regen((3yr)				
		n some wel		oak and fina	l harves	st stand de	own to 2" dbh.	Retention along roa	ad if suitable trees	are found.	Chip tops
Othe		ent to Treat	-								
<u>Site</u>	<u>Condition</u>										
Prop	osed Start Dat	<u>te:</u> 10/1 /20)22								

Traverse City Mgt. Unit

Report 3 -- Treatments

Compartment: 46 Year of Entry: 2025



S t	I	1446136 01	ty Mgt. Offit		керо	113	reatments		Compartmen Year of Entry		
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	MicHIGAN Habita Cut
65	61046065- Spray	34.2	42110 - Planted Red Pine	Sapling Well	3	Immatu re	Pesticide	ERROR	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
Pres Spec		y stand to re	elease red pine								
<u>Next</u> Trea	<u>t Step</u> Moni atments:	toring, Herb	vicide Use								
Acce Rege		ct regenera	tion of red maple. a	spen, oak,	white pi	ine, jack p	ine and planted	red pine.			
Othe		ent to Treat	= 100%								
	Condition										
<u>Prop</u> 68	61046068- Plant		022 310 - Herbaceous Openland	Nonstock	ed 0	Unspec ified	Planting	Initial Plant	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Nc
Pres Spec	scription Plant	red pine af	ter site prep								
Next		onitoring, Aı	rtificial Regen(1yr);	Monitoring	g, Artific	ial Regen(3yr)				
<u>Acce</u> Rege		ct regenera	tion of aspen, oak,	rm, jp, wp,	and pla	nted red p	ine.				
Othe	er Perce	ent to Treat	= 100%								
	<u>ment:</u> Condition										
	bosed Start Da	<u>te:</u> 10/1 /2	022								
87	61046087- Plant	10.3	330 - Low-Density Trees	Nonstock	ed 0	Unspec ified	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Nc
Pres Spec	<u>scription</u> plant <u>cs:</u>	after site p	rep.								
	<u>t Step</u> Moni [.] atments:	toring, Artifi	cial Regen(1yr); M	onitoring, A	rtificial l	Regen(3yr)				
<u>Acce</u> Reg		ed red pine	. Natural White pine	э.							
<u>Othe</u> Com	er Perce	ent to Treat	= 100%								
<u>Site</u>	Condition										
Prop	oosed Start Da	<u>te:</u> 10/1 /2	022								

Traverse City Mgt. Unit

Report 3 -- Treatments

Compartment:	46
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n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
95	61046095- Plant	11.2	310 - Herbaceous Openland	Nonstocke	ed 0	Unspec ified	Planting	Initial Plant	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
<u>Prescri</u> Specs:	<u>iption</u> plant re	ed pine							Deciduous		
<u>Next S</u> Treatm		ring, Artifi	cial Regen(1yr); Mo	onitoring, Ar	tificial I	Regen(3yr)				
Accept Regen:		ne is agin	ig and damaged fro	m heavy sn	ows in	3/12. Exp	ect regeneratio	n of mixed pine , re	ed maple, oak, asp	en and plante	ed red
<u>Other</u> Comm		t to Treat	= 100%								
<u>Site Co</u>	ondition										
Propos	sed Start Date	<u>:</u> 10/1 /20	022								
102	61046102- Monitor	30.1	42260 - Natural Pine, Mixed	Poletimbe Medium	r 88	51-80	Monitoring	Natural Regen (Re-Inventory)	42260 - Natural Pine, Mixed	Uneven- Aged	Nc
			Deciduous						Deciduous		
<u>Prescri</u> Specs:			Deciduous						Deciduous		
	<u>: hents:</u> t <u>able</u> Expect <u>:</u> regene Percen		to form of aspen, p ay get browsed bad						anopy of pine and	oak. Decidud	bus
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos	<u>: hents:</u> t <u>able</u> Expect <u>:</u> regene Percen	ration ma t to Treat <u>:</u> 10/1 /20	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted	ly along rive				likely form in new	anopy of pine and age group. 42110 - Planted	oak. Decidud	
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos	table Expect table Expect regene Percen tent: ondition sed Start Date 61046116- Monitor	ration ma t to Treat <u>:</u> 10/1 /20	to form of aspen, p ay get browsed bad = 100% 025	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group.		
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos 116 Prescri Specs:	<u>itep</u> hents: table Expect regene Percen ent: ondition sed Start Date 61046116- Monitor iption	ration ma t to Treat <u>:</u> 10/1 /20	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group. 42110 - Planted		
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos 116 Prescri Specs: Next S Treatm	i <u>step</u> <u>hents:</u> <u>table</u> Expect Percent <u>percent</u> <u>sed Start Date</u> 61046116- Monitor <u>iption</u> istep hents:	ration ma t to Treat <u>:</u> 10/1 /20 36.6	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group. 42110 - Planted		
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos 116 Prescri Specs: Next S Treatm	i <u>step</u> <u>hents:</u> <u>table</u> Expect <u>Percen</u> <u>Percen</u> <u>ent:</u> <u>ondition</u> <u>sed Start Date</u> <u>61046116- Monitor</u> <u>iption</u> <u>i</u> <u>tep</u> <u>hents:</u> <u>table</u> Red pin	ration ma t to Treat <u>:</u> 10/1 /20 36.6	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group. 42110 - Planted		
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos 116 Prescri Specs: Next S Treatm Accept	itep nents: table Expect itep Percenter ondition Step 61046116- Monitor Step iption Step interest Red pinents: table Red pinents: table Red pinents:	ration ma t to Treat <u>:</u> 10/1 /20 36.6	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted Red Pine	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group. 42110 - Planted		No
Specs: Next S Treatm Accept Regen Other Comm Site Cc Propos 116 Prescri Specs: Next S Treatm Accept Regen Other Comm Other Specs: Next S Comm Comm Comm Specs: Next S Comm Comm Comm Specs: Next S Comm Comm Comm Specs: Next S Comm Comm Specs: Next S Comm Comm Specs: Next S Comm Comm Specs: Next S Comm Comm Specs: Next S Comm Comm Comm Specs: Next S Comm Comm Comm Specs: Next S Comm Comm Comm Comm Comm Comm Specs: Next S Comm	itep nents: table Expect itep Percenter ondition Step 61046116- Monitor Step iption Step interest Red pinents: table Red pinents: table Red pinents:	ration ma t to Treat <u>:</u> 10/1 /20 36.6	to form of aspen, p ay get browsed bad = 100% 025 42110 - Planted Red Pine	ly along rive	r corrid	or but whi	e pine will then	likely form in new	anopy of pine and age group. 42110 - Planted		

Report 3 Treatments

S t		Tra	verse Cit	ty Mgt. Unit		Repo	rt3 1	Freatments		Compartmer Year of Entr		DNR DNR G
a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
125	61046 Bu		203.1	330 - Low-Density Trees	Nonstock	ed 0	Unspec ified	Burn	Opening	3303 - Mixed Low Density Trees		No
Preso Spec	<u>s:</u>	frequer forbs.	ncy of the Remove	burns will be based	on current by herbicidi	s needs ng or ot	of restoration	ation such as re ods. Maintain a	naintain a grassland educing woody encro as needed with mow roachment.	pachment or pror	noting grass	es versus
	<u>Step</u> ments:	NonFor	restMgt, ⊦	lerbaceous/Crop/Gr	ass Plantir	ng						
<u>Acce</u> <u>Rege</u>		Barrens	s flora and	d grasses. This area	a will be bu	rned pe	riodically	to enhance.				
<u>Other</u> Comr	-	Percen	t to Treat	= 100%								
Site C	Conditior	<u>1</u>										
Propo	osed Sta	art Date:	: 1 /25/20	019								

Total Treatment 752.3 Acreage Proposed:

Pat Ruppen : Examiner

Compartment: 46 Year of Entry: 2025

Availability for Management

Total	Acres	Acres Avail	Acres	De	omina	nt Site	e Cono	dition	S		
Acres	Available	With Condition	Not Available		5B	5C	2F	2G	2H	3J	5E
291	289	0	2	Aspen		0	1	0		1	
18	18	0	0	Bare/Sparsely Vegetated		0					
19	0	0	19	Cedar						19	
185	180	1	4	Herbaceous Openland	0	1				2	2
242	240	0	2	Low-Density Trees		0	0			2	
100	2	0	98	Lowland Aspen/Balsam Poplar			9	45	1	43	
26	0	0	26	Lowland Deciduous			0	5		21	
70	13	0	57	Lowland Shrub			49		0	8	
18	13	0	5	Marsh			5			0	
76	14	35	26	Mixed Upland Deciduous		35	0		25	1	
744	564	129	51	Natural Mixed Pines	15	114	8	0		20	23
53	38	13	3	Northern Hardwood		13					3
40	3	37	0	Oak		37				0	
69	69	0	0	Planted Mixed Pines							
588	536	46	7	Red Pine	22	24	0			1	6
2	0	0	2	Sand, Soil			2			1	
378	292	19	67	Upland Mixed Forest		19	42			20	5
5	5	0	0	Upland Shrub							
35	35	0	0	Urban	0	0				0	
12	0	0	12	Water			2			10	
123	123	0	0	White Pine			0			0	
3,095	2,435	279	382	Total Forested Acres	37	242	118	50	26	150	38
	79%	9 %	12%	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.

	e Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Compartment: 46

Traverse City Mgt. Unit Pat Ruppen : Examiner

2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Steep slope and flo	odplain along N. branch Boardr	nan Ri	ver			
5	Unavailable	2F: Too steep	48	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setba	ack					
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	1A: Federal/State/Local Law	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setba	ack					
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Headwaters area fo	or tributary of Boardman River					

		Traverse City Mgt. Unit Pat Ruppen : Examiner Unavailable 2G: Too wet (sensitive		Report 4 – Site Cond	ditions	Compartment: 46 Year of Entry: 2025	
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
10	Unavailable	2F: Too steep	22	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Steep slope along i	river floodplain. Not operable					
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Riparian zone along	g river floodplain.					
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: upland stand block	ed by lowland and river					
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments: Stand access is blo	ocked by river ande tributary on	State	ownership. Unknown if acces	ss can be attained from	private land	
14	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Compartment: 46

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15							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention area for	treatment on stand 8					
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: PRESCRIBING ST	ANDS ON BOTH NORTH AND	SOUT	TH FOR FINAL HARVEST			
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	47	1A: Federal/State/Local Law	Unspecified	Unspecified	Unspecified
	Comments: Riparian setbacks	on Boardman River Natural Riv	er				
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is about half	aspen and red maple that is sti	ll pole :	sized. Let grow in before harve	esting.		
ę							
20	Unavailable	2F: Too steep	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
20	Comments:	2F: Too steep flood plain of river tributary	10		Unspecified	Unspecified	Unspecified
20	Comments:		10 9		Unspecified Unspecified	Unspecified Unspecified	Unspecified Unspecified

		se City Mgt. Unit uppen : Examiner		Report 4 – Site Co	nditions	Compartment: 46 Year of Entry: 20	
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
23	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
	Looked at with sno	be too wet too work. Ground is w off and parts of this could be h ep some mature aspen in this ar 5C: Delay treatment for	narvestee	d but the stand to the no	rthwest is prescribed and mo		
		age/size class diversity or exceptional site quality					
	Comments:						
30	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
32	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack and steep slope above flood	lplain.				

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33	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack and steep slope above flood	lplain.				
34	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack and steep slope above flood	lplain.				
35	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack and steep slope above flood	lplain.				
36	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack					
37	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
38	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack					
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small oak stand su	rrounded by large regeeration a	reas and	open conifers. Keep for	diversity and mast produc	tion.	

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40	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack and steep slope above flood	lplain.				
50	Unavailable	5E: Long-Term Retention	12	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
51	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
52	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
53	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Natural rivers Setb	ack					
54	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
55							

Compartment: 46

Traverse City Mgt. Unit Pat Ruppen : Examiner

56	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
57	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
58	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand was thinned	in 2015 entry period. Not enoug	gh volum	e available justify harves	t at this time.		
59	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Area with large dia	meter oak adjacent to managed	barrens	area. Retain for diversity	v at this time.		
66	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small pocket of pir	ne surrounded by younger asper	. Keep f	or diversity at this time.			
67	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Adjacent stand to s	south recently harvested.					

		se City Mgt. Unit Ruppen : Examiner		Report 4 – Site Co	nditions	Compartment: 46 Year of Entry: 202	
68	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Souther portion of	stand harvested in last entry.					
69	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand was recently	y thinned. Not enough volume fo	or comme	rcial treatment			
70	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:	o develop before harvesting from	n canopy				
71	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: <i>I</i> anage area alon	g river corridor for large trees.					
72	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: <i>I</i> anage area alon	g river corridor for large trees.					
73	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified

		se City Mgt. Unit uppen : Examiner		Report 4 – Site Cor	nditions	Compartment: 46 Year of Entry: 20	
74	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
-	Comments: nanage for old tre	es along river					
75	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
76	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Keep stand until ad	djacent recently harvested and p	lanted sta	and (on west) grows in a	little.		
77	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hold due to adjace	ent recent harvest.					
78	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: .ong term retentio	n					



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
South Branch Barrens Comments proposed old growth	Habitat Area	Other Habitat Area	SCA	253

Compartment: 46 Year of Entry 2025



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservatio Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water 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 o communities are ecologically and socially significant in their effer 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	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific mana rules, as governed by Part 5, Department of Natural Resources, 324.504). Section 38 of the Administrative Procedures Act (MCL the promulgation of rules. This is an active program, with one pro DNR.	of the NREPA (MCL 324.502(2) and 24.238) provides for public requests for
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	S Zoning District is a 400 foot buffer for
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (ra threatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological p submit recommendations for lands as ERAs using the DNR Cons	al Features Inventory (MNFI) within the t Occurrences with viability ranks of A urity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

	Travers				Rep	oort 7 – Sta	ands		Compartment: 46 Year of Entry: 2025				
Stand	Level 4 Cover Type 3303 - Mixed Low Density Trees			Size Density Nonstocked		Acres	Stand Age	BA Range	Managed Site		General Comments		
1						0.9	ι	Unspecified	No		2022: Low density trees. May be frost pocket.		
2	4126 - White, Black, N. Pin Oak		Sawtimb	awtimber Well		94	81-110	N/A		2022: Poor quality older oak stand. WO saplings in areas but not			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	constant and poorly developed. Stocking is variable. Could cut and plant . Leave strip along west side for retention. Maybe could cut and plant		
1	Northern Pin Oak	15	Log/Pole	16		W	hite Oak	Medium	< 5 feet	Sapling	stand 1 but could be a frost pocket. Maybe plant well pad to west in		
	Jack Pine	3	Pole			R	ed Oak	Low	< 5 feet	Sapling	adjacent compartment. 2003FMD O8 M2 2013FMD:Looks like good		
	White Pine	2	Pole	9	<u>_</u> _			1		1	oak ground but not much good oak. Good little oak stand in a good place -let grow in for now for mast production		
	Red Maple	20	Log/Pole	10							place lier grow in tor now for mast production		
	White Oak	40	Log/Pole	16	94								
	Red Oak	20	Log/Pole	16	94								
	4 4126 - White, Black, N. Pin Oak			Sawtimber Poor									
4						2.9	71	1-50	N/A		2022: Moved stand from non-forested to forested.		
4	Canopy Species		n Oak Size Class	DBH	Age		71 nopy Species		N/A Avg. Height	Size	2022: Moved stand from non-forested to forested.		
	Canopy Species White Oak	% Cover 30	Size Class Log/Pole	DB- 12	71	Sub-Ca				Size Sapling	2022: Moved stand from non-forested to forested.		
	Canopy Species White Oak Northern Pin Oak	% Cover 30 30	Size Class Log/Pole Log/Pole	DBH 12 12	Age	Sub-Ca	nopy Species	s Density	Avg. Height		2022: Moved stand from non-forested to forested.		
	Canopy Species White Oak Northern Pin Oak Black Cherry	% Cover 30 30 10	Size Class Log/Pole Log/Pole Pole	DBH 12 12 8	71	Sub-Ca	nopy Species	s Density	Avg. Height		2022: Moved stand from non-forested to forested.		
	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine	% Cover 30 30 10 20	Size Class Log/Pole Log/Pole Pole Log/Pole	DBH 12 12 8 10	71	Sub-Ca	nopy Species	s Density	Avg. Height		2022: Moved stand from non-forested to forested.		
-	Canopy Species White Oak Northern Pin Oak Black Cherry	% Cover 30 30 10	Size Class Log/Pole Log/Pole Pole	DBH 12 12 8	71	Sub-Ca	nopy Species	s Density	Avg. Height		2022: Moved stand from non-forested to forested.		
-	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine	% Cover 30 30 20 10	Size Class Log/Pole Log/Pole Log/Pole Log	DBH 12 12 8 10	Age 71 71	Sub-Ca	nopy Species hite Oak	s Density	Avg. Height		2022: Moved stand from non-forested to forested.		
	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla	% Cover 30 30 10 20 10	Size Class Log/Pole Log/Pole Log/Pole Log	DBH 12 12 12 10 10 Sawtimb	Age 71 71 00cked er Well	Sub-Ca W	nopy Species hite Oak	S Density Low	Avg. Height < 5 feet		2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla	% Cover 30 30 10 20 10 20 10	Size Class Log/Pole Pole Log/Pole Log ban	DBH 12 12 12 10 10 Sawtimb	I Age 71 71 71 0 0 0 0	Sub-Ca W 5.9 34.1	nopy Species hite Oak	S Density Low Unspecified 51-80	Avg. Height < 5 feet No		2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla	% Cover 30 30 10 20 10	Size Class Log/Pole Pole Log/Pole Log ban	DBH 12 12 8 10 10 Nonstro Sawtimb DBH 10	Age 71 71 00cked er Well	Sub-Ca W 5.9 34.1 Sub-Ca	nopy Species hite Oak	S Density Low Unspecified 51-80	Avg. Height < 5 feet No	Sapling	2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May want to keep this stand until adjacent planted area grows in. 2003FMD:M5/M1 2013FMD;South part of stand harvested in 2019.		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla Cc Canopy Species Red Maple White Oak	% Cover 30 30 10 20 10 10 20 10	Size Class Log/Pole Pole Log/Pole Log ban ous with	DBH 12 12 12 8 10 10 Nonstr Sawtimb DBH 10 10	I Age 71 71 71 0cked er Well I Age	Sub-Ca W 5.9 34.1 Sub-Ca W W	nopy Species hite Oak 92 nopy Species hite Pine hite Oak	S Density Low Unspecified 51-80 S Density	Avg. Height < 5 feet No N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling	2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May want to keep this stand until adjacent planted area grows in. 2003FMD:M5/M1 2013FMD;South part of stand harvested in 2019. looks like red pine was planted through oak. Most grew alright but in		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla Cc Canopy Species Red Maple White Oak Red Oak	% Cover 30 30 10 20 10 20 10 20 10 20 10 20 10 20 10 ntensity Urb and Deciduo onifer % Cover 23 25 25 25	Size Class Log/Pole Pole Log/Pole Log ban bus with Size Class Log/Pole	DBH 12 12 8 10 10 Nonstro Sawtimb DBH 10	I Age 71 71 71 71 00cked er Well I Age 92	Sub-Ca W 5.9 34.1 Sub-Ca W W	nopy Species hite Oak 92 nopy Species hite Pine	S Density Low Unspecified 51-80 S Density Low	Avg. Height < 5 feet No N/A Avg. Height 5 - 10 feet	Sapling Size Sapling	2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May want to keep this stand until adjacent planted area grows in. 2003FMD:M5/M1 2013FMD;South part of stand harvested in 2019. looks like red pine was planted through oak. Most grew alright but in some areas with heavy canopy it is stunted and small. Large crowned		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla Cc Canopy Species Red Maple White Oak Red Oak Northern Pin Oak	% Cover 30 30 10 20 10 10 20 10 0 ntensity Urb 0 and Deciduo 0 0 23 25 25 25 5	Size Class Log/Pole Pole Log/Pole Log/Pole can ban Size Class Log/Pole Log/Pole Log/Pole Log/Pole	DBH 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 10 Nonsta Sawtimb DBH 10 16 16 16	I Age 71 71 71 71 00cked er Well I Age 92 92 92 92	Sub-Ca W 5.9 34.1 Sub-Ca W W	nopy Species hite Oak 92 nopy Species hite Pine hite Oak	s Density Low Unspecified 51-80 s Density Low Medium	Avg. Height < 5 feet No N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling	2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May want to keep this stand until adjacent planted area grows in. 2003FMD:M5/M1 2013FMD;South part of stand harvested in 2019. looks like red pine was planted through oak. Most grew alright but in some areas with heavy canopy it is stunted and small. Large crowned oak and red maple stump sprouts. Could cut back to marked retention and plant red pine. Red maple sprouts would likely be a problem. Red		
5	Canopy Species White Oak Northern Pin Oak Black Cherry Jack Pine Red Maple 110 - Low In 4191 - Mixed Upla Cc Canopy Species Red Maple White Oak Red Oak	% Cover 30 30 10 20 10 20 10 20 10 20 10 20 10 20 10 ntensity Urb and Deciduo onifer % Cover 23 25 25 25	Size Class Log/Pole Pole Log/Pole Log ban Size Class Log/Pole Log/Pole Log/Pole	DBH 12 12 12 12 12 12 12 12 12 12 12 12 10 10 Nonstr Sawtimb DBH 10 16 16	I Age 71 71 71 71 00cked er Well I Age 92	Sub-Ca W 5.9 34.1 Sub-Ca W W	nopy Species hite Oak 92 nopy Species hite Pine hite Oak	s Density Low Unspecified 51-80 s Density Low Medium	Avg. Height < 5 feet No N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling	2022: Oak saplings in most areas 3-5'. This stand should go to oak when the canopy is taken off. Could cut back to 40-50 ba to further develop the understory oak but the red maple would be a sprouting problem. May want to keep this stand until adjacent planted area grows in. 2003FMD:M5/M1 2013FMD;South part of stand harvested in 2019. looks like red pine was planted through oak. Most grew alright but in some areas with heavy canopy it is stunted and small. Large crowned oak and red maple stump sprouts. Could cut back to marked retention		

Traverse City Mgt. Unit

Compartment: 46 Year of Entry: 2025

Stand	Level 4 C	over Type		Size Density		Size Density		Size Density		Size Density		Acres	Stand Age	BA Range	Managed S	Site	General Comments		
7	310 - Herbaceous Openland			Nonsto	cked	37.1	0	Unspecified	4211 - Planted	Red Pine	 2022 Fall 10/25/2022 Stand's First Year Regen Survey was completed; Stand has an estimated 924 trees per acre and is 55% free to grow at this time. Release Spray is recommended at this time to achieve 80% Free To grow Red Pine according to policy. 2022 Spring - Stand was Planted to Red Pine 5/6/2022 2021: site prep herbicide skidder. 2020: Stand trenched by contractor. 2019: Final harvested. Trench 2020. Herbicide 2020 or 2021. Plant after site prep is complete. Had to leave brush piles 2003FMD: PI stands 10 and 6 were same O/I stand. O6/M2 2013FMD: Not enough good oak to manage. Could mark some good retention of oak and cut and replant to red pine. Some large older oak scattered throughout stand. A good bit of oak seedlings in places. 								
8	42290 - Nati	ural Mixed	Pine S	awtimber	Medium	n 8.9	82	51-80	N/A		2022: TS# 61-032-18 Cut all jack pine, red maple, aspen and cherry								
(Canopy Species	es % Cover Size Class		DBH	Age	Sub-Ca	anopy Speci	ies Density	Avg. Height	Size	unless green marked. Harvested 6/22. Gaps should fill in with pine, maple and oak. Mixed								
	Red Pine	40	Log/Pole	12	82	W	hite Pine	Low	10 - 20 feet	Sapling	sizes and density of residual pine and oak. 2003FMD: PI stands 7 and								
	White Pine	40	Pole/Log	9	82			,			14 were one O/I stand. J5/A1 Stand borders wild and scenic river.								
No	orthern Pin Oak	10	Pole	8							2013FMD; North Country Trail through stand. Some old legacy red and white pine. Gaps filled in with white pine jack pine red pine aspen. Jack								
	White Oak	10	Pole	8							pine is going out. Not too bad yet but starting to die and some areas								
											damaged by heavy snows in 2012. Fish Div may not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking.								
9	42110 - Pla	nted Red F	Pine	Sapling	Poor	14.1	3	Immature	N/A		2022: Removed herbicide treatment. Light oak and cherry sprouting.								
(Canopy Species	% Cover	Size Class	DBH	Age						Some loss of planted red pine after dry summer. Some natural red pine supplementing planted pine. 11/9/2021 - Year 1 regeneration survey								
	Red Pine	95	Sapling	1	3						completed. Stand has approximately 889 trees per acre. Stand is not								
	White Oak	2	Sapling	1							free to grow at this time herbicide treatment is currently recommended. Check stand for year 3 regeneration survey is also recommended.								
	Jack Pine	3	Sapling	1	3					Check stand for year 5 rege	Check stand for year 5 regeneration survey is also recommended.								
											2021: stand planted with containerized red pine, 2003FMD: R6 2019: Trenched 2018. Herbicide site prep skidder 2019. 2013FMD: Stand is variable but basically mix of rp wp wo and a little ro and rm. Some areas are heavier to rp and others have more wo mixed in. WO is older large crowned trees and there is some older pine scattered around in stand (age 98 estimate) Could harvest a part of this stand and replant rp or would be alright to hold for now. Getting older and growth has slowed.								

Report 7 – Stands



E

_											Year of Entry: 2025		
Stand	Level 4 Cover Type			Size De	ensity	Acres	Acres Stand Age BA Range			Site	General Comments		
10	42290 - Natural Mixed Pine		Sawtimb	er Well	3.9	110	111-140	N/A		2022: Floodplain along river. Factor Limit. 2003FMD: R9/R1 Limiting _ factor water quality BMP stand borders wild and scenic river. Pine with			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak and apen on slope along river. Riparian area of river. Let grow in to		
	Northern Pin Oak	2	Log	12		Re	d Maple	Low	5 - 10 feet	Sapling			
	Red Maple	5	Pole	7		Wh	nite Pine	Low	< 5 feet	Sapling			
	Bigtooth Aspen	20	Log	12	82								
	Red Pine	36	Log	12	110								
	Jack Pine	10	Pole/Log	9	82								
	White Oak	2	Pole/Log	8									
	White Pine	25	Log/Pole	12	110								
11	42260 - Natural Pi	ine, Mixed D	Deciduous	Sawtimb	er Well	10.6	90	111-140	N/A		2022: Stand is variable but basically mix of rp wp wo and a little ro and		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	rm. Some areas are heavier to rp and others have more wo mixed in. WO is older large crowned trees and there is some older pine scattered		
	Red Pine	50	Log	11	90	Re	d Maple	Medium	5 - 10 feet	Sapling	around in stand		
	Red Oak	5	Log	11	90	Wh	nite Pine	Medium	5 - 10 feet	Sapling	(age 98 estimate) Stand would go to white oak, white pine if harvested.		
	Red Maple	10	Pole	6	62	Wł	nite Oak	Medium	5 - 10 feet	Sapling	Seed tree/shelterwood. Hold now due to adjacent young stands. Good bit of white oak seedlings in most of the stand and white pine saps in		
	White Pine	20	Log	12					I		areas.		
	White Oak	10	Log	11	90								
	Bigtooth Aspen	5	Log	12									
12		00 - Water Natural Mixed Pine		Nonstocked Sawtimber Well		2.6			No N/A		2020: Flood plain plana river Limitian Foster, too stoop stood borde		
14			-					111-140		Size	2022: Flood plain along river. Limiting Factor: too steep stand borders vild and scenic river. 2013FMD: Slope and floodplain along river. Could		
	Canopy Species Red Maple	5 5	Size Class Pole/Saplir		Age		nopy Species nite Pine	Density	Avg. Height 10 - 20 feet	Size Sapling	let this grow into large pine along river.		
	White Pine	35	Log	19 0 17	82	VVI		LOW	10-201660	Saping			
	Red Pine	50	Log	13	82								
	Jack Pine	5	Log/Pole		52								
	Bigtooth Aspen	5	Log/Pole										
15	4319 - Mixeo	d Upland Fo		Sawtimb	er Well	20.1	82	111-140	N/A		2022: Slope along river. Factor limit. 2003FMD: PI stands 7 and 14		
	Canopy Species	% Cover	Size Class	DBH	DBH Age		nopy Species	Density	Avg. Height	Size	were one O/I stand. J5/A1 Stand borders wild and scenic river. 2013FMD: Slopes along N Branch Boardman River along with floodplain		
	Bigtooth Aspen	10	Log/Pole	12		Wh	nite Pine	Low	5 - 10 feet	Sapling			
No	orthern White Cedar	5	Log	12		Re	d Maple	Low	5 - 10 feet	Sapling	1		
	White Pine	25	Log/Pole	11	82						-		
	Red Pine	15	Log/Pole	13	82								
	White Oak	5	Log	14									
	Red Maple	10	Pole/Log	9									
	Quaking Aspen	10	Log	14	82								
_	D 10 1		-	10	400								

Red Oak

Log

16 108

20

Report 7 – Stands Compartment: 46 Traverse City Mgt. Unit Year of Entry: 2025 Stand Size Density Managed Site **General Comments** Level 4 Cover Type Acres Stand Age BA Range 310 - Herbaceous Openland Nonstocked 15.2 0 Unspecified 4211 - Planted Red Pine 2022: Stand harvested to 1" and tops chipped to prep site for planting 16 red pine. Harvested 2022. Aspen sprouting in areas of stand. Sub-Canopy Species Density Avg. Height Size < 5 feet Bigtooth Aspen Low Seeding 500 - Water Nonstocked 1.7 Unspecified No part of north branch Boardman River 17 6119 - Mixed Lowland Deciduous Forest Sawtimber Well 11.0 92 51-80 N/A 2003FMD: A5 limiting factor :water guality BMP stand border wild and 18 scenic river. 2012FMD: PI stands 17 and 27 were in same O/I stand. **Canopy Species** % Cover Size Class **DBH Age** Sub-Canopy Species Avg. Height Size Density Split due to mapping rules. 2013FMD:edge along river -barely lowland Red Maple 8 5 - 10 feet Tall Shrul 10 Pole/Sapling Hawthorn (spp.) Low aspen mix with some higher ground on the edges. Riparian strip along river. 12 White Oak 10 Black Cherry Medium 5 - 10 feet Sapling Log/Pole **Bigtooth Aspen** 5 Loa 14 92 White Pine 10 14 92 Loa/Pole Northern Pin Oak 10 Log/Pole 10 5 Red Pine Log/Pole 14 92 26 13 Quaking Aspen Loa 92 Black Cherry 24 Pole 8 3102 - Grass Nonstocked 2.9 Unspecified Well plugged 9/2000. Unknown if reclamation is needed or attempted. 19 4191 - Mixed Upland Deciduous with Sawtimber Medium 9.9 75 1-50 N/A 2022: East side is low density bushy wp and bc. Better stocking in west 20 Conifer with wp saps filling gaps. 2011FMD TS# 047-83. TCR 01/87. Cut all merchantable except no cedar hemlock or oak 2013FMD Low stocked **Canopy Species** % Cover Size Class **DBH** Age Sub-Canopy Species Densitv Avg. Height Size BC WP Oak. There has been a recent fire through here that burned Black Cherry 20 Pole/Sapling 8 Quaking Aspen Low 5 - 10 feet Sapling pretty hot. If this stand was cut with PI stand 54 to east it did not regenerate much. There is a little aspen in the 28 yr age along the edge. Quaking Aspen 20 Pole 8 75 Black Cherry Low 5 - 10 feet Sapling White Pine 32 12 75 Log/Pole White Pine 5 - 10 feet Low Sapling Northern Pin Oak 15 Log/Pole 14 92 White Oak 5 Log/Pole 14 92 36 4199 - Other Mixed Upland Deciduous Sawtimber Well 4.9 51-80 N/A 21 2022: Let stand grow in. Mixed pine sizes. Aspen regen from last harvest with a good mix of other species and sizes left during that **DBH** Age **Canopy Species** % Cover Size Class Sub-Canopy Species Density Avg. Height Size treatment. Let stand grow in. Mixed pine sizes. New stand added. Black Cherry 15 Pole 7 75 White Pine Low 5 - 10 feet Sapling 2013FMD TS# 047-83. TCR 01/87. Cut all merchantable except no cedar hemlock or oak. This stand was likely cut with stands to the east. Sugar Maple 5 Log/Pole 12 Red Maple Low 5 - 10 feet Sapling This stand had more residual pine and oak and has a fair amount of **Biatooth Aspen** 10 Pole 8 36 **Biatooth Aspen** 5 - 10 feet Sapling Low aspen regen age 26. Some older oak aged 82 but most pine. aspen and Northern Pin Oak 10 Log/Pole 14 92 cherry seems to be age 65. Quaking Aspen 20 Pole/Sapling 8 36 White Oak 10 Log/Pole 14 92 **Red Maple** 15 Pole/Log 9

15

12 75

Loa/Pole

White Pine

30

6

1

5

32

6

20

% Cover

5

89

3

3

80

5

5

5

5

35

1

1

63

4130 - Aspen

3102 - Grass

42200 - Natural White Pine

42210 - Natural Red Pine

% Cover Size Class

Log

Log/Pole

Pole/Loa

Pole

Log/Pole

Log/Pole

Loa/Pole

Size Class

Sapling

Pole/Sapling

Sapling

Sapling

Loa/Pole

Log/Pole

Pole

Pole

Loa/Pole

Log

Pole

Log/Pole

Log

% Cover Size Class

% Cover Size Class

Level 4 Cover Type

42260 - Natural Pine, Mixed Deciduous

Canopy Species

Red Pine

White Oak

Jack Pine

Red Maple

White Pine

Red Oak

Biatooth Aspen

Canopy Species

Red Maple

Biatooth Aspen

Red Oak

White Pine

Canopy Species

White Pine

Red Pine

Jack Pine

Red Maple

Bigtooth Aspen

Canopy Species

White Pine

Bigtooth Aspen

Red Oak

Red Pine

Stand

22

23

24

25

26

27

Report 7 – Stands

81-110

51-80

Unspecified

111-140

Densitv

Low

Low

Low

Density

Low

Density

Low

low

Avg. Height

5 - 10 feet

10 - 20 feet

10 - 20 feet

Avg. Height

10 - 20 feet

10 - 20 feet

Avg. Height

Acres Stand Age BA Range

103

31

79

Sub-Canopy Species

Black Cherry

Red Maple

White Pine

Sub-Canopy Species

White Pine

Sub-Canopy Species

Red Maple

White Pine

11.0

10.2

3.5

9.5

48.0

9.1

ls		Compartment: 46 Year of Entry: 2025								
Managed S	ite	General Comments								
N/A		2022: Pine is mixed size but red pine is getting large. Pine stocking is								
vg. Height	Size	variable and clumpy. Some rm,wo,wp,rp poles growing through. WP would likely fill canopy								
0 - 20 feet	Sapling	gaps if treated. Stocking is not too high. Could thin lightly and reduce								
0 - 20 feet	Sapling	the size a bit but not real interesting. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD:Not much jp in this stand but it is dying out. Stand looks like natural pine stand. Could be thinned and managed for large old pine along river. Cut aspen, jp, rm and marked.								
N/A		2022: Good growth and stocking for aspen. 2003FMD: A3 2013FMD: PI								
vg. Height	Size	stands 21 and 39 were hooked in O/I. Look different now. TS# 01/92. TCR 8/92. Cut all to 2" DBH. Keep stands separate after field review.								
< 5 feet	Sapling	This stand has good aspen regeneration mixed with some wp saplings.								
		2023: Grass cover Well plugged 2015. Unknown if reclamation is needed or attempted.								
N/A		2022: Could mark this stand to get the larger white pine out. It is getting oversized.								
vg. Height	Size	Thin smaller pine as needed. Stocking is variable. A little ironwood.								
5 - 10 feet	Sapling	Mixed sized of pine.								
0 - 20 feet	Sapling	2003FMD:A6 Limiting Factor Retention of stand for regen purposes/ Borders wild and Scenic river. PI stand 32 (North part) was also in this								
0 - 20 feet	Sapling	O/I stand. 2013FMD: Stand is heavier to WP than stand 32 and larger								
		average diameter. Could get aspen out and jack pine and mark pine Manage this stand for pine. May not sell alone but could sell with PI stand 32. Some large old legacy white pine.								
N/A		2022: Pine is getting large. Pockets of aspen regen age 15 would cause								

82 N/A 81-110 2022: Pine is getting large. Pockets of aspen regen age 15 would cause trouble for harvest and re-plant. RM seedlings <5' throughout stand. Sub-Canopy Species Density Avg. Height Size Some areas are heavier to wp in canopy. Consider harvest. 2003FMD: Hazelnut (Beaked) Low 5 - 10 feet Tall Shrul Cut under contract # 61-078-05-01. TCR 09/07 Cut orange marked and all merch, rm aspen an jp. WLD: R9 with mix of Red Maple Medium 5 - 10 feet Sapling aspen/wp/O/bc/rm/sm/ash/juneberry. Leave snags, oak, black cherry, Pole **Bigtooth Aspen** 10 - 20 feet Medium sm, juneberry, ash 2011FMD PI stands 29 and 24 were same in O/I Split Black Cherry 5 - 10 feet low Sapling because of mapping standard. 2013FMD: Residual stocking in this stand is lower than PI stand 29. This stand must have had a higher component White Pine Low < 5 feet Seedina of aspen and red maple. A good bit of aspen and red maple regeneration has formed in sub canopy throughout much of this stand. Areas with heavier residual pine basal area do not have such a robust second age forming. A little bit of oak and cherry scattered around in the overstory. Some wp seedlings on ground. No rp seedling found.

Nonstocked

Size Density

Sawtimber Well

15

12

9

6

13 103

12

11

2

5 31

4

4

Nonstocked

Sawtimber Well

13

12

8

6

12

Sawtimber Well

14

7

10

14

DBH Age

DBH Age

79

79

79

82

82

Poletimber Well

DBH Age

DBH Age

103

92

Unspecified

No

OF NATURAL PROVIDENCE

Stand	d Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
28	4311 - Pine	e, Aspen M	lix Sa	awtimb	er Well	8.5	92	111-140	N/A		2003FMD: A5 limiting factor :water quality BMP stand border wild and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	scenic river. 2013FMD: PI stands 17 and 27 were in same O/I stand. Split due to mapping rules. Slope along river and some Red pine (like
	Red Maple	10	Log	12		Re	ed Maple	Low	5 - 10 feet	Sapling	planted) with aspen, birch, red oak, red maple. Riparian zone of river.
	Red Pine	55	Log/Pole/XLog	14	92					1	
	Bigtooth Aspen	25	Log/Pole/XLog	12	92						
	Paper Birch	3	Log/Pole	12							
	White Pine	2	Log/Pole	14	92						
	Red Oak	5	Log/Pole	16							
29	4111 - S.Maple, Ha	ard Mast As	ssociation Sa	awtimb	er Well	5.2	113	81-110	N/A		2022: Low quality hardwood stand. No desirable regeneration. Few
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	crop trees. Do not see any potential upside to treating this stand. Stocking is variable. 2008 FMD W8 Cut under contract 078-05-01 TCR
	Black Cherry	1	Log	12		W	hite Pine	Low	< 5 feet	Sapling	09/07. Selectively removed a few white pine saw log trees. Also TS#
	Basswood	34	Log	16	113	Ir	onwood	Medium	< 5 feet	Sapling	006-92. cut orange marked pine and hardwood and all aspen.
	Red Oak	10	Log	14							¹ 2013FMD. Lower quality northern hardwoods mixed with large white pine. Little to no regeneration. A good bit of ironwood and basswood.
	Ironwood	10	Pole/Sapling	6							Stocking is not bad at this time. This stand is unusual in this area. Let
	White Pine	5	Log/XLog	16	113						grow in for now.
	Red Maple	5	Log	12							
	Sugar Maple	35	1 (D)	40							
	ougui mapie	55	Log/Pole	12	113						
30	0	Vixed Oak	0		113 ber Well	6.7	103	111-140	N/A		2022: Mixed oak and pine sizes. Low quality oak. Not interesting. Kee
30	0	Vixed Oak	0	awtimb		-	103 Inopy Species	-	N/A Avg. Height	Size	for water quality and mast production. 2003FMD:R8 2012FMD: PI
30	4129 - N	Vixed Oak	Sa	awtimb	er Well	Sub-Ca		-		Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory.
30	4129 - N Canopy Species	Mixed Oak % Cover	Sa Size Class	awtimb DBH	er Well	Sub-Ca	nopy Species	Density	Avg. Height		for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce
30	4129 - M Canopy Species Red Maple	Mixed Oak % Cover 10	Sa Size Class Pole/Sapling	awtimb DBH 8	er Well I Age	Sub-Ca	nopy Species hite Pine	Density Low	Avg. Height 5 - 10 feet	Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory.
30	4129 - M Canopy Species Red Maple Red Oak	Mixed Oak % Cover 10 35	Sa Size Class Pole/Sapling Log/Pole	awtimb DBH 8 16	er Well I Age	Sub-Ca	nopy Species hite Pine	Density Low	Avg. Height 5 - 10 feet	Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce
30	4129 - M Canopy Species Red Maple Red Oak White Pine	Mixed Oak % Cover 10 35 25	Sa Size Class Pole/Sapling Log/Pole Log/Pole	DBH 8 16 12	er Well I Age 103	Sub-Ca	nopy Species hite Pine	Density Low	Avg. Height 5 - 10 feet	Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce
30	4129 - M Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen	Mixed Oak % Cover 10 35 25 25	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole	DBH 8 16 12 15 10	er Well I Age 103	Sub-Ca	hite Pine ed Maple	Density Low	Avg. Height 5 - 10 feet	Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - M Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen	Mixed Oak * Cover 10 35 25 25 5 e, Aspen M	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole	awtimb DBH 8 16 12 15 10 awtimb	er Well 1 Age 103 103 92	Sub-Ca W Re 9.6	hite Pine ed Maple	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine	Mixed Oak % Cover 10 35 25 25 5 e, Aspen M % Cover	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole	awtimb DBH 8 16 12 15 10 awtimb	er Well Age 103 103 103 92 er Well Age	Sub-Ca W Re 9.6 Sub-Ca	hite Pine ed Maple 92	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine Canopy Species	Mixed Oak % Cover 10 35 25 25 5 e, Aspen M % Cover	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole Size Class	awtimb DBH 8 16 12 15 10 awtimb	er Well Age 103 103 103 92 er Well Age	Sub-Ca W Re 9.6 Sub-Ca W	hite Pine ed Maple 92 nopy Species	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height	Sapling Sapling Size	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine Canopy Species Red Oak	Mixed Oak % Cover 10 35 25 25 5 e, Aspen M % Cover 5	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	awtimb DBH 8 16 12 15 10 awtimb DBH 14	er Well Age 103 103 103 92 er Well Age	Sub-Ca W Re 9.6 Sub-Ca W	nopy Species hite Pine ed Maple 92 nopy Species hite Pine	Density Low Low T111-140 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine Canopy Species Red Oak Black Cherry	Mixed Oak	Sa Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole lix Sa Size Class Log/Pole/XLog Log/Pole	awtimb DBH 8 16 12 15 10 awtimb DBH 14 10	er Well 103 103 103 92 er Well Age 92	Sub-Ca W Re 9.6 Sub-Ca W	nopy Species hite Pine ed Maple 92 nopy Species hite Pine	Density Low Low T111-140 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine Canopy Species Red Oak Black Cherry Bigtooth Aspen	Mixed Oak * Cover 10 35 25 5 e, Aspen M * Cover 5 5 20	Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole/XLog Log/Pole	awtimb DBH 8 16 12 15 10 awtimb DBH 14 10 12	er Well 103 103 103 92 er Well Age 92 92 92	Sub-Ca W Re 9.6 Sub-Ca W	nopy Species hite Pine ed Maple 92 nopy Species hite Pine	Density Low Low T111-140 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen A311 - Pine Canopy Species Red Oak Black Cherry Bigtooth Aspen Red Pine	Mixed Oak * Cover 10 35 25 5 e, Aspen M * Cover 5 5 20 22	Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Size Class Log/Pole/XLog Log/Pole Log/Pole	awtimb DBH 8 16 12 15 10 awtimb DBH 14 10 12 12 12 12 12 12 12 12 12 12	er Well 103 103 103 92 er Well Age 92 92 92	Sub-Ca W Re 9.6 Sub-Ca W	nopy Species hite Pine ed Maple 92 nopy Species hite Pine	Density Low Low T111-140 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.
	4129 - N Canopy Species Red Maple Red Oak White Pine White Oak Bigtooth Aspen 4311 - Pine Canopy Species Red Oak Black Cherry Bigtooth Aspen Red Pine Red Maple	Mixed Oak	Size Class Pole/Sapling Log/Pole Log/Pole Log/Pole Log/Pole lix Sa Size Class Log/Pole/XLog Log/Pole Log/Pole Log/Pole	awtimb DBH 8 16 12 15 10 awtimb DBH 14 10 12 12 5	er Well 1 Age 1 03 92 103 92 1 03 92 92 92 92 92	Sub-Ca W Re 9.6 Sub-Ca W	nopy Species hite Pine ed Maple 92 nopy Species hite Pine	Density Low Low T111-140 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Size Sapling	for water quality and mast production. 2003FMD:R8 2012FMD: PI Stands 20 and 26 were in the same O/I stand. Age 93 R8 2013FMD; Oak logs with WP logs/poles. Some white pine regen in understory. Possible oak wilt patch on road by entrance to sand trap. Could reduce oak canopy to allow pine to advance. Oak is generally lower quality. 2022: Steep slope alone drain. Mix of upland conifer and deciduous.



DNR

32	Level 4 Cover Type Size Density		Acres	Stand Age B	A Range	Managed S	Site	General Comments			
ג ∠	42200 - Natu	ıral White F	Pine	Sawtimb	er Well	33.0	70	111-140	N/A		2022: Mixed white pine with some larger old pine and oak scattered
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	around. Aspen is falling out. Could get most of the larger white pine of excluding the legacy sized trees.
	Red Pine	10	Log	12	70	Wł	hite Pine	Low	10 - 20 feet	Sapling	Get larger pine out before it becomes too large. Gaps should fill in wit
	Black Cherry	2	Log/Pole	13							wp. Release well formed oak as found. More aspen and oak in north
	Jack Pine	5	Log/Pole	10	80						along river. 2003FMD: (North part) A6 Limiting Factor Retention of sta for regen purposes/ Borders wild and Scenic river. PI stand 23 was a
	White Oak	2	Log/Pole	14							in this O/I stand. The part south of well pad was in O/I stand 23 which
	Red Oak	2	Log/Pole	16							was an A5 age 73 retained for age/size class diversity. There was a
(Quaking Aspen	5	Log/Pole	11	80						small JP stand in the SW corner in O/I J5 age 75. 2013FMD: Good p ground. Red pine over 14" diameter age 58-60. White pine age is
	White Pine	74	Log/Pole	12	70						variable 60-70 with some large legacy trees in stand. Could get aspe
33	42290 - Natu	ıral Mixed F	Pine S	Sawtimb	er Well	34.9	86	111-140	N/A		pine. A few scattered oak in cherry in stand. More oak in north along river. 2022: Pine is getting large and should be re-started. Steep area on n
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	edge for retention. Keep good red oak and plant around. Red oak is good here. A little
	Red Oak	15	Log	15		Blac	ck Cherry	Low	< 5 feet	Sapling	ironwood. Would be nice to get oak and pine mix here. Almost no oa
	White Pine	30	Log	16	86	Re	ed Maple	Medium	< 5 feet	Sapling	seedlings currently. RM and BC seedlings would have to be sprayed
	Red Pine	55	Log	15	86	W	hite Pine	Medium	< 5 feet	Sapling	control. 2003FMD: Cut under contract # 61-078-05-01. TCR 09/07 (orange marked and all merch, rm aspen an jp. WLD: R9 with mix of
											because of mapping standard. 2013FMD: This stand has heavier
											because of mapping standard. 2013FMD: This stand has heavier residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in canc in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops.
34	4119 - Mixed No	orthern Har	dwoods S	Sawtimb	er Well	7.5	82	111-140	N/A		residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in canc in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an
	4119 - Mixed No Canopy Species		dwoods S Size Class		er Well		82 nopy Species		N/A Avg. Height	Size	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this
						Sub-Ca				Size Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a
34	Canopy Species	% Cover	Size Class	DBH		Sub-Ca	nopy Species	Density	Avg. Height		residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a thinning. Would not be bad to let this grow in unless it can be hooked
-	Canopy Species Red Oak	% Cover	Size Class Log	DBH 16		Sub-Ca	nopy Species	Density Medium	Avg. Height < 5 feet	Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a
-	Canopy Species Red Oak White Pine	% Cover 10 8	Size Class Log XLog/Log	DBH 16 20 16		Sub-Ca	nopy Species	Density Medium	Avg. Height < 5 feet	Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a thinning. Would not be bad to let this grow in unless it can be hooked
-	Canopy Species Red Oak White Pine Red Pine	% Cover 10 8 1	Size Class Log XLog/Log Log	DBH 16 20 16		Sub-Ca	nopy Species	Density Medium	Avg. Height < 5 feet	Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a thinning. Would not be bad to let this grow in unless it can be hooked
-	Canopy Species Red Oak White Pine Red Pine Ironwood	Cover 10 8 1 2	Size Class Log XLog/Log Log Pole/Sapling	DBH 16 20 16 7		Sub-Ca	nopy Species	Density Medium	Avg. Height < 5 feet	Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a thinning. Would not be bad to let this grow in unless it can be hooked
-	Canopy Species Red Oak White Pine Red Pine Ironwood Black Cherry	% Cover 10 8 1 2 1	Size Class Log XLog/Log Log Pole/Sapling Log/Pole	DBH 16 20 16 7 10	I Age	Sub-Ca	nopy Species	Density Medium	Avg. Height < 5 feet	Sapling	residual basal area than PI stand 24. There are areas with good regeneration of aspen and rm but it is not evident for the most part throughout the stand. There is an evident red oak component in cand in this stand. The stocking in this stand is fine after the last harvest. this stnad grow in for now and see how second age develops. 2022: Low quality hardwoods with large WP. Mixed sizes of poles an logs. No desirable regen in understory. See no value in treating this stand. Unique in area. 2013fmd: Lower quality hardwoods. Stocking high. Only 5.9 acres so would be hard to get enough volume in a thinning. Would not be bad to let this grow in unless it can be hooked

Report 7 – Stands

Stan	d Level 4 C	over Type	s	Size De	ensity	Acres	Stand Age E	3A Range	Managed S	Site	Year of Entry: 2025 General Comments
36	42200 - Nat	ural White F	Pine Sav	vtimbe	r Medium	12.0	81	51-80	N/A		2022: Mix of wp saps, poles, logs with aspen growing in under after last
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest. Let stand grow in. 2019: TS# 042-15. Cut all aspen, jp, rm and orange marked. 2003FMD W6 2011FMD PI stands 64,31,48,55
	Black Cherry	2	Pole/Sapling	8			nite Pine	Low	5 - 10 feet	Sapling	were all in one O/I stand. W6 2013FMD; wp/aspen mix. Aspen is
	Red Pine	10	Log/Pole	13	81	Re	ed Maple	Low	5 - 10 feet	Sapling	declining. Ground is rolling and access is unsure. Could harvest stand
	White Pine	88	Log/Pole	11	81	Blac	ck Cherry	Medium	5 - 10 feet	Sapling	to regenerate if nearby- not enough to stand alone.
			-			Irc	onwood	Low	5 - 10 feet	Sapling	
						Bigto	oth Aspen	Medium	5 - 10 feet	Sapling	
37	4311 - Pin	e, Aspen M	lix S	awtimb	er Well	10.8	84	141-170	N/A		2022: Aspen would probable occupy site when harvested but this is a
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	good pine site. Red pine looks good. Consider keeping stand in red pine by herbicide on aspen or could let it go to aspen. A few well formed red
	Red Maple	5	Pole/Log	9		Wł	nite Pine	Low	>20 feet	Sapling	oak in canopy. Mixed aspen sizes. Stand would probably hold. RP is
	Bigtooth Aspen	40	Log/Pole	10	84	Re	d Maple	Medium	< 5 feet	Sapling	getting large. Would not take out aspen/rm and create two age classes.
	Red Pine	35	Log	15	84	Irc	onwood	Medium	< 5 feet	Sapling	2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of
	Red Oak	1	Log	14							mapping rules. This stand is different than PI stand 47. More aspen in
	White Pine	19	Log	14	84						this stand and most is pole sized. Let aspen grow in and look at harvest when aspen matures economically.
38	3102	- Grass		Nonsto	ocked	1.8	L	Jnspecified	No		
39	500	500 - Water Nonstocked		ocked	4.1	ι	Jnspecified	No			
40	3303 - Mixed L	ow Density	Trees	Nonsto	ocked	2.0	l	Jnspecified	No		2022: Grass cover and low density trees
41	6239 - Mixed E	mergent W	etland	Nonsto	ocked	4.7	L	Jnspecified	No		
42	42200 - Nat	ural White F	Pine P	oletimb	er Poor	11.5	31	1-50	N/A		2022: Low stocked stand with wp, bc, qa. Beavers likely took stand out
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	in past. A little wp growing in. 2003FMD: A3 2013FMD: PI stands 21 and 39 were hooked in O/I. Look different now. TS# 01/92. TCR 8/92.
	Black Cherry	10	Sapling	3			nite Pine	Low	5 - 10 feet	Sapling	Cut all to 2" DBH. 2013FMD: Low stocked aspen -patchy- looks like
	Quaking Aspen	10	Pole	6	31	Bigto	oth Aspen	Low	5 - 10 feet	Seeding	
	White Pine	80	Pole	8	31						-
43	42260 - Natural Pi	ne, Mixed D	Deciduous S	awtimb	er Well	12.1	113	141-170	N/A		2022: Mixed sizes of pine. Low quality oak. Some wo and rm poles
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	growing through. White pine would likely fill gaps if opened up. Could thin lightly and
	Quaking Aspen	10	Log/Pole	12	92	Re	ed Maple	Medium	10 - 20 feet	Sapling	reduce size but not very interesting. 2003FMD: R9 Limiting Factor
	White Pine	30	Log	14	113	Wł	nite Pine	Low	10 - 20 feet	Sapling	Scenic/visual values. 2013FMD:Nice natural look pine, Heavier aspen
	Red Maple	5	Pole/Sapling	8							on lower edge along river. Could thin and manage for big old pine. Some large old pine and oak scattered around.
	Red Pine	35	Log/Pole	14	113						
	Red Oak	10	Log/Pole	14	113						
	White Oak	10	Log/Pole	12							

Traverse	City	Mgt.	Unit
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DNR

Stan	d Level 4 C	Level 4 Cover Type		Size De	nsity	Acres	Acres Stand Age BA Range Managed Site			Site	General Comments	
44	3102	- Grass		Nonsto	cked	26.5		Unspecified	No			
45	6112 - Lov	wland Aspe	en S	Sawtimbe	er Poor	25.3	75	1-50	N/A		2022: Very wet aspen and tag alder. 2013:Stand swapped from Non-	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Forested to Forested.	
	Black Cherry	20	Pole	7		Та	ag Alder	Medium	5 - 10 feet	Tall Shrub		
	Bigtooth Aspen	40	Log	12	75	Bla	ck Cherry	Low	5 - 10 feet	Sapling		
	White Oak	2	Log/Pole	10								
	Quaking Aspen	35	Pole	8	75							
	Northern Pin Oak	1	Log	13								
	Red Maple	2	Pole	8								
46	42260 - Natural Pi	ne, Mixed [Deciduous Po			n 5.4	60	51-80	N/A		2012: Low stocked aspen and pine canopy with a low stocking of wp and jp saplings in understory. Good red pine growth on older trees. Should	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	cut and replant at some point but not enough volume or acerage in this	
	White Pine	50	Pole	7	60	R	ed Pine	Low	10 - 20 feet	Sapling	stand to go alone.	
	Black Cherry	10	Pole/Sapling	g 8		Bla	ck Cherry	Low	10 - 20 feet	Sapling		
	Red Pine	5	Pole	7	60	Ja	ack Pine	Low	10 - 20 feet	Sapling		
	Jack Pine	10	Pole	7		W	hite Pine	Low	5 - 10 feet	Sapling		
	Bigtooth Aspen	20	Log/Pole	11	60	Re	ed Maple	Low	5 - 10 feet	Sapling		
	Red Maple	5	Log/Pole	10								
47	110 - Low li	ntensity Urb	ban	Nonsto	cked	2.8		Unspecified	No			
48	4311 - Pin	e, Aspen N	lix	Sawtimbe	er Well	16.8	45	81-110	N/A		2022: Stand could be harvested or could likely hold. Aspen has had good growth through pine and oak. Most of the pine is getting large and	
	Canopy Species	% Cover	Size Class	DBH	_	Sub-Ca	nopy Species	B Density	Avg. Height	Size	should be harvested soon. When this is harvested should cut back to	
	Bigtooth Aspen	30	Pole	9	45	Re	ed Maple	Low	10 - 20 feet	Sapling	seed tree to establish pine back in where the aspen does not sprout.	
	Red Pine	20	Log	15	90	W	hite Pine	Low	5 - 10 feet	Sapling	Surrounding stand to east is recent harvest so this could wait. WP seedlings and saps advancing in gaps. SW slope is steep and should b	
	White Pine	20	Log	16	90						retention zone and factor limited. 2003FMD: A2A4M4W4 2013FMD;	
	Jack Pine	3	Log/Pole	10	90						Moderate stocking or oak and pine left from last harvest with robust	
	Red Maple	8	Log/Pole	13							aspen growing through. Better site -some sm bw ash and iw scattered around as htere was in other stands in area. Let this aspen continue to	
	Red Oak	15	Log	14	90						grow in .	
	White Oak	2	Log/Pole	14							5 -	
	Sugar Maple	2	Log/Pole	12								

Report 7 – Stands

Compartment: 46 Year of Entry: 2025

DNR

Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
49	4311 - Pin	e, Aspen M	ix S	Sawtimb	er Well	39.2	70	81-110	N/A		2022: Stand should be harvested .
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	BA is ready and the QA is declining. Could cut to seed tree and keep most oak. Most areas should come back to aspen well. Could leave
	Quaking Aspen	25	Log/Pole	10	42	Wh	nite Pine	Low	< 5 feet	Seeding	retention on steep slope to NE.
	Red Pine	5	Log/Pole	11	70	Blac	k Cherry	Low	< 5 feet	Sapling	May also want to leave retention or just thinned area on east where it is
	Red Oak	4	Log/Pole	12		Re	d Maple	Low	< 5 feet	Sapling	heavier to pine and adjacent to recent harvest. Keep most oak. 2003FMD: A2A4M4W4 TS# 044-83 TCR 8/86. Cut all merchantable but
	White Pine	34	Log/Pole	11	70	Ja	ck Pine	Low	< 5 feet	Seeding	no oak. 2013FMD: Looks like a good bit of sapling sized suppressed
	Jack Pine	5	Pole	8	42			·			white pine and some red pine and jack pine were left at last harvest. This
	White Oak	2	Log/Pole	11							is now around age 60 with logs and poles in wp rp and jp. Most of the canopy gaps are filled with younger aspen jack pine and white pine. A
	Bigtooth Aspen	25	Log/Pole	10	42						good bit of the quaking aspen is pretty spindly looking butthere are some beter looking clones. Pocket of older aspen on west side looks older. May have been a retention pocket left in last harvest of maybe was young unmerchantable clone at that time. Let this stand develop.
50	6239 - Mixed E	mergent W	etland	Nonsto	cked	13.6	l	Unspecified	No		
51	3102	- Grass		Nonsto	cked	6.3	l	Unspecified	No		Low density trees. Grasses.
52	4319 - Mixed	Upland Fo	rest S	Sawtimb	er Well	14.8	82	111-140	N/A		2022: Lower end hardwood site with mix of hardwood, pine, aspen. Small amount of cherry, Mixed density. Large wp mixed through. Most
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	red maple is lower qualitysome of the red oak is good. May be best to
	Ironwood	1	Pole/Sapling	·			nite Pine	Low	5 - 10 feet	Sapling	keep this stand for diversity at this time until adjacent stands grow in that
	Bigtooth Aspen	5	Log	12		Irc	onwood	Low	5 - 10 feet	Sapling	were recently harvested. 2003FMD W6 2011FMD PI stands 64,31,48,55 were all in one O/I stand. W6 2013FMD; Big old white pine and a few
	Sugar Maple	2	Log/Pole	10	82						older oak. RM SM RO WP poles and small logs grown in and the some
	Red Maple	35	Pole/Log	9	82						scattered RP logs. Stocking is a bit high but this stand would thin better after it developes a bit more. The feature of this stand is the large white
	Red Oak White Pine	15	Log	15	110						pine.
	Red Pine	31 10	XLog/Log	18 12	112 82						
	White Oak	10	Log/Pole	12	02						
	vvnie Oak		Log	14							

Report 7 – Stands

											Year of Entry: 2025
Stand	Level 4 C	over Type	5	Size De	e Density	Acres	es Stand Age BA Range		Managed S	Site	General Comments
54	42200 - Nati	ural White F	Pine P	oletimbe	nber Well 6.9		70	111-140	N/A		2022: Mixed sizeds of white pine. Some old wp and rp scattered around.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Stocking is variable. Could be thinned but not critical. Aspen is falling out. 2013FMD: Mixed ages and sizes. Some big old white pine. Aspen
	Jack Pine	8	Pole	8	54	Wh	nite Oak	Low	< 5 feet	Sapling	is small and poor form. Not too much aspen. Could let this stand self
	Quaking Aspen	10	Log	12	70	Wh	iite Pine	Low	< 5 feet	Sapling	thin and let pine grow in for now or could get aspen out and mark for crop
	Red Pine	2	Log	14	62			·			tree release. Red pine growing well on site Age 52 and over 13". Measured 14" wp age 60 and 8" jp age 41.
	White Pine	80	Pole/Log	9	70						
55	6112 - Lov	wland Aspe	n P	oletimbe	er Poor	13.0	73	1-50	N/A		2003FMD: A6 Limiting Factor Borders wild and scenic river. 2011 FMD:
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Part of stand on west and south side was LO in O/I. 2013FMD: low aspen with hawthorn and dogwood and other lowland shrub.
	Black Cherry	30	Pole/Sapling	7	73	Decidu	ous Shrubs	Low	5 - 10 feet	Tall Shrub	
	White Pine	20	Pole/Sapling	8		Blac	k Cherry	Low	< 5 feet	Sapling	
	Quaking Aspen	50	Pole/Sapling	6	73	Wh	ite Pine	Low	< 5 feet	Sapling	
						Hawth	norn (spp.)	Medium	< 5 feet	Tall Shrub	
					_	Dogw	ood (spp.)	Low	5 - 10 feet	Tall Shrub	
56	42110 - Pla	nted Red P	ine S	awtimbe		17.1	88	111-140	N/A		2022: : Red pine is getting large but probably need to hold due to the adjacent stands that have been treated recently. JP is falling out. Very
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Pine							-		Size	nice pine site. Wouldn't cut any of the aspen or red maple until final
	Reu Fille	60	Log	14	88	Wh	ite Pine	Low	5 - 10 feet	Sapling	nice pine site. Wouldn't cut any of the aspen or red maple until final harvest to reduce sprouting and forming a new age class. Should try to
	Bigtooth Aspen	60 5	Log Log	12			ite Pine k Cherry				harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after
			0		88 88			Low	5 - 10 feet	Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003
	Bigtooth Aspen	5	Log	12				Low	5 - 10 feet	Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping
	Bigtooth Aspen White Pine	5 25	Log Log	12 12	88			Low	5 - 10 feet	Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs.
57	Bigtooth Aspen White Pine	5 25 10	Log Log Log/Pole	12 12 10 awtimbe	88 88 88		sk Cherry	Low	5 - 10 feet	Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
	Bigtooth Aspen White Pine Jack Pine	5 25 10	Log Log Log/Pole	12 12 10	88 88 88	Blac 7.5	sk Cherry	Low	5 - 10 feet 5 - 10 feet	Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
	Bigtooth Aspen White Pine Jack Pine 42260 - Natural Pi	5 25 10	Log Log Log/Pole	12 12 10 awtimbe	88 88 88	Blac 7.5 Sub-Car	the Cherry	Low Low 81-110	5 - 10 feet 5 - 10 feet N/A	Sapling Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
	Bigtooth Aspen White Pine Jack Pine 42260 - Natural Pi Canopy Species	ne, Mixed E % Cover	Log Log Log/Pole	awtimbe DBH 6	88 88 88	7.5 Sub-Car Ret	tk Cherry 119 nopy Species	Low Low 81-110 Density	5 - 10 feet 5 - 10 feet N/A Avg. Height	Sapling Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
57	Bigtooth Aspen White Pine Jack Pine 42260 - Natural Pi Canopy Species Red Maple	ne, Mixed E % Cover 10	Log Log/Pole Deciduous S Size Class Pole/Sapling	awtimbe DBH 6	88 88 er Well	7.5 Sub-Car Rei	119 nopy Species d Maple	Low Low 81-110 Density Medium	5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet	Sapling Sapling Size Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
57	Bigtooth Aspen White Pine Jack Pine 42260 - Natural Pi Canopy Species Red Maple White Oak	ne, Mixed E % Cover 10 10 10 10	Log Log/Pole Deciduous S Size Class Pole/Sapling Log	awtimbe 6 12 10 10 10	88 88 88 er Well Age 119	7.5 Sub-Car Rei	119 119 Dopy Species d Maple ed Pine	81-110 Density Medium Low	5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling Size Sapling Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.
57	Bigtooth Aspen White Pine Jack Pine 42260 - Natural Pi Canopy Species Red Maple White Oak Bigtooth Aspen	ne, Mixed D 70 70 70 70 70 70 70 70 70 70 70 70 70	Log Log/Pole Deciduous S Size Class Pole/Sapling Log Log/Pole	awtimber 6 12 10 10 10 10 12	88 88 er Well Age 119 92	7.5 Sub-Car Rei	119 119 Dopy Species d Maple ed Pine	81-110 Density Medium Low	5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling Size Sapling Sapling	harvest to reduce sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands start to grow in. Unfortunately this is ready now. 2003 FMD: R6 Let aspen and maple mature then final harvest all species. Pi stands 33 and 47 were same stand in O/I. Split because of mapping rules. 2013FMD; Could harvest and re-plant. Some scattered oak logs. Scattered aspen. May be a little trouble for regenerating one in this stand but it is not a very heavy component. Different than PI stand 33. Red pine in stand is good quality and is ready to harvest. Seriously consider regenerating this stand.



Sour

and	d Level 4 C	over Type	!	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments		
58	42290 - Natu	ural Mixed F	² ine P	oletimb	er Well	35.1	42	51-80	N/A		2022; LET STAND DEVELOP. JP/WP mix. 2003FMD:J1A1W1M1 Vel		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Patchy TS# 044-83 TCR 8/86. Cut all merchantable but no oak. 2013FMD: Looks like a fair amount of saplings were left at last harvest.		
	Jack Pine	40	Pole	7	42	Re	d Maple	Low	< 5 feet	Sapling	Now a two aged stand with 60 yr grown up saplings and new ingrowth @		
	Red Oak	2	Log/Pole	12	70	Blac	ck Cherry	Low	< 5 feet	Sapling	32 yrs. This is a mix of jp wp and aspen. A lot of the Q Aspen is stunted		
	Quaking Aspen	10	Pole	6	42						and spindly but some has done well. Let stand develop. Call both ages in canopy.		
	Red Pine	5	Log/Pole	12	70						п саюру.		
	White Pine	40	Pole	7	42								
	Black Cherry	3	Pole	6	42								
9	4131 - A	spen, Oak	P	oletimb	er Well	94.9	36	51-80	N/A		2022: Nice mixed species stand. Aspen is patchy. Some recent b		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvesting. 2003FMD: A3 nearing A6 TS# 047-83. TCR 01/87. Cut all merchantable except no cedar hemlock or oak. 2013FMD. Well stocked		
	Black Cherry	1	Pole	6			ck Cherry	Low	5 - 10 feet	Sapling	aspen mixed with wp rm oak. A little sm and beech . Older oak retentio		
	Red Pine	1	Log	14		Wł	nite Pine	Low	5 - 10 feet	Sapling	scattered around. New beaver cutting on south slope along flooding.		
	Quaking Aspen	15	Pole	6	36	Re	d Maple	Low	5 - 10 feet	Sapling			
	Red Oak	10	Log	14									
	White Pine	12	Pole	6	36								
	Red Maple	10	Pole	6	36								
	White Oak	10	Log	14									
	Bigtooth Aspen	41	Pole	7	36								
50 51	110 - Low Ir 4133 - Aspe	,		Nonsto Sapling N		9.6 24.1	13	nspecified	No N/A		2022: Good aspen regeneration in patches. The open areas have white		
		a/ a	<u> </u>		•						pine and cherry seedlings. Scattered pine and oak retention from last		
	Canopy Species		Size Class		Age						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered		
	White Pine	20	Sapling	1	13						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS		
	White Pine Jack Pine	20 2	Sapling Sapling	1	13 13						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen		
	White Pine Jack Pine Black Cherry	20 2 8	Sapling Sapling Sapling	1 1 1	13 13 13						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual.		
	White Pine Jack Pine Black Cherry Red Maple	20 2 8 10	Sapling Sapling Sapling Sapling	1 1 1 2	13 13 13 13						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen	20 2 8 10 60	Sapling Sapling Sapling Sapling Sapling	1 1 1	13 13 13						harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual.		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat	20 2 8 10 60 tural Red Pi	Sapling Sapling Sapling Sapling Sapling ine S	1 1 2 2 Sawtimb	13 13 13 13 13 13 er Well	2.3	80	81-110	N/A	2	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat Canopy Species	20 2 8 10 60 tural Red Pi % Cover	Sapling Sapling Sapling Sapling ine S Size Class	1 1 2 2 Sawtimb DBH	13 13 13 13 13 13 er Well	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain.		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat Canopy Species Bigtooth Aspen	20 2 8 10 60 tural Red Pi % Cover 2	Sapling Sapling Sapling Sapling ine S Size Class Log	1 1 2 2 Sawtimb DBH 11	13 13 13 13 13 13 er Well Age 65	Sub-Ca	nopy Species	Density Low	Avg. Height 5 - 10 feet	Sapling	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat Canopy Species Bigtooth Aspen White Oak	20 2 8 10 60 tural Red Pi % Cover 2 10	Sapling Sapling Sapling Sapling Sapling ine S Size Class Log Log/Pole	1 1 2 2 Sawtimb DBH 11 12	13 13 13 13 13 13 13 13 65 126	Sub-Ca Wi	nopy Species nite Pine nite Oak	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat Canopy Species Bigtooth Aspen White Oak Red Maple	20 2 8 10 60 tural Red Pi % Cover 2 10 18	Sapling Sapling Sapling Sapling ine S Size Class Log Log/Pole Log/Pole	1 1 2 2 Sawtimb DBH 11 12 9	13 13 13 13 13 13 13 13 14 65 126 40	Sub-Ca Wi Wi Northe	nopy Species hite Pine hite Oak ern Pin Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Sapling Sapling Seeding	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		
	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat A2210 - Nat Canopy Species Bigtooth Aspen White Oak Red Maple Red Pine	20 2 8 10 60 tural Red Pi % Cover 2 10 18 60	Sapling Sapling Sapling Sapling ine S Size Class Log Log/Pole Log/Pole Log/Pole	1 1 2 2 Sawtimbb DBH 11 12 9 12	13 14 15 16 17 17 18 19 126 40 80	Sub-Ca Wi Wi Northe Re	nopy Species nite Pine nite Oak ern Pin Oak d Maple	DensityLowLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Sapling Sapling Seeding Sapling	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS: 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		
52	White Pine Jack Pine Black Cherry Red Maple Bigtooth Aspen 42210 - Nat Canopy Species Bigtooth Aspen White Oak Red Maple	20 2 8 10 60 tural Red Pi % Cover 2 10 18	Sapling Sapling Sapling Sapling ine S Size Class Log Log/Pole Log/Pole	1 1 2 2 Sawtimb DBH 11 12 9	13 13 13 13 13 13 13 13 14 65 126 40	Sub-Ca Wi Wi Northe Re	nopy Species hite Pine hite Oak ern Pin Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Sapling Sapling Seeding	harvest. 2003WLD :A6 with mix of wp/bc/jp/rp/rm Oak? Leave scattered mast producing trees (oak,bc) scattered conifer, snags Was age 70. TS# 065-05 TCR 11/10 Cut all trees 2"dbh except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD; Good aspen regeneration. Scattered laok and pockets of red pine left as residual. Trees left along steep band due to terrain. 2022: Retention area from planted area to north. Motorcycle trail		

Report 7 – Stands

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Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed S	ite	General Comments
63	42290 - Natu	ıral Mixed F	Pine	Sawtimb	er Well	6.2	85	111-140	N/A		2022: Stand looks fine. 2003FMD:J6 Stand should convert naturally to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	pine. Let stand grow in. This area north of the river could be managed for large pine. 2013FMD; Most jp has died out. Aspen mixed through
	White Pine	20	Log	13	85	R	ed Pine	Low	10 - 20 feet	Sapling	stand. WP and RP understory. a good bit of rp saplings in places. Let
	Bigtooth Aspen	10	Log/Pole	12	85	W	hite Pine	Medium	10 - 20 feet	Sapling	this stand grow in for now. Stocking is not too high at this time.
	Jack Pine	1	Log/Pole	10	85						-
	Red Oak	5	Log/Pole	8							
	Red Maple	4	Pole	6							
	Red Pine	55	Log	13	85						
	White Oak	5	Pole/Log	8							
64	3303 - Mixed L	ow Density	Trees	Nonsto	ocked	4.5	ι	Jnspecified	No		2022: JP is filling in nice grassy opening.
65	42110 - Pla	nted Red Pi	ne	Sapling	g Well	40.7	3	Immature	N/A		2022: Good growth and survival on planted rp seedlings. 11/9/2021 -
	Canopy Species	% Cover	Size Class	DBH	Age						Year 1 regeneration survey completed. Stand has approximately 964 trees per acre. Stand is not free to grow at this time herbicide treatment
	Red Pine	100	Sapling	1	3						is currently recommended. Check stand for year 3 regeneration survey is
											in fall. TS# 042-15. Harvested Fall 2018. Cut to 1' except a few scattered green marked and a small retention area. Tops were chipped but a large amount of residue that didn't get into the chipper was windrowed along the north/south road through stand. May be able to burn at some point. Stand 138 to north was part of this treatment but this stand was thinned for crop tree release and all aspen was removed. 2003FMD W6 2011FMD PI stands 64,31,48,55 were all in one O/I stand. W6 2013FMD:
66	6229 - Mixeo	l lowland sh	rub	Nonsto	ocked	12.8	ι	Jnspecified	No		
67	42290 - Nati	Iral Mixed F	Pine	Sawtimb	er Well	35.6	88	81-110	N/A		2022: Red pine is getting large but probably need to hold due to the adjacent stands that have been treated recently. JP is falling out. Very
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	nice pine site.
	Red Pine	31	Log	15	88	Bla	ck Cherry	Low	5 - 10 feet	Sapling	Wouldn't cut any of the aspen or red maple until final harvest to reduce
	Jack Pine	10	Log	10	88	W	hite Pine	Low	5 - 10 feet	Sapling	sprouting and forming a new age class. Should try to keep this site in pine. Should harvest and re-plant when possible after adjacent stands
	Red Oak	2	Log	13							start to grow in. Unfortunately this is ready now. Stocking is not too
	White Oak	2	Log	13							high. White pine could put on more volume. Some well formed oak
	Red Maple	5	Pole	9							scattered around stand. 2003FMD J6 Delayed treatment for age/size
	Bigtooth Aspen	5	Log	12							class diversity 2013fmd:PI STANDS 61,57,60 were all together in O/I. 61 and 57 split due to mapping standards St 60 split out as it looks different
	White Pine	45	Log/Pole	11	88						in imagery. (aspen?) 2013FMD; Very nice pine. Red pine is superior

Compartment: 46 Year of Entry: 2025

Stand	Level 4 C	over Type	5	Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
68	310 - Herbac	eous Openl	land	Nonsto	ocked	21.9	ο ι	Jnspecified	4211 - Planted I	Red Pine	2022: Retention area in SW. Herbicide treatment site prep 2021: stand trenched to prep for planting 2020:stand chip harvested to prep for planting. Trench 2021 and possibly herbicide same year. Aspen sprouting should be controlled before planting. 2003FMD J6 Delayed treatment for age/size class diversity 2013fmd:PI STANDS 61,57,60 wer all together in O/I. 61 and 57 split due to mapping standards 2013FMD: Jack pine mixed with RP WP and oak/aspen/rm/cherry. Jack pine is damaged bu heavy snow 2012 and will likely get worse. Should get it ou before this gets bad. Red oine growth is superior in this stand. Should get jack pine out and re-plant this stand to red pine. Could keep residua of oak and some legacy red and white pine.
69	42210 - Nat	tural Red Pi	ne S	awtimb	er Well	3.1	84	141-170	N/A		2022: Red pine is getting large. Keep for diversity? 2013: Three small
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine block- planted but natural look. Keep for species/age diversity.
	Red Oak	5	Log/Pole	14			hite Pine	Low	10 - 20 feet	Sapling	Wintering cover near river corridor.
	Red Pine	75	Log	15	84	Re	ed Maple	Low	5 - 10 feet	Sapling	
	Sugar Maple	1	Pole	6			ck Cherry	Low	5 - 10 feet	Sapling	
E	Bigtooth Aspen	1	Pole	6			onwood	Low	< 5 feet	Sapling	
	White Pine	7	Log	14	84					1 0	
	White Oak	5	Log	12							
	Jack Pine	1	Log	10	84						
	Red Maple	5	Log/Pole	12							
	42210 - Nat		-		er Well	7.5	75	111-140	N/A		2022: Mixed stocking levels. Let stand grow in. 2003FMD: A5 Hold harvest until 2001. Good chance of red pine natural seeding. WLD:
	Canopy Species	% Cover	Size Class	DBH	er Well I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin
	Canopy Species White Oak	% Cover 2	Size Class Log/Pole	DBH 14	Age	Sub-Ca Blac	nopy Species ck Cherry	Density Low	Avg. Height 5 - 10 feet	Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale
	Canopy Species White Oak Red Pine	% Cover 2 96	Size Class Log/Pole Log/Pole	DBH 14 10	Age	Sub-Ca Blac WI	nopy Species ck Cherry hite Pine	B Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Seeding	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli
	Canopy Species White Oak	% Cover 2	Size Class Log/Pole	DBH 14	Age	Sub-Ca Blac WI	nopy Species ck Cherry	Density Low	Avg. Height 5 - 10 feet	Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale
	Canopy Species White Oak Red Pine Red Oak	% Cover 2 96	Size Class Log/Pole Log/Pole Log	DBH 14 10 16	Age	Sub-Ca Blac WI	nopy Species ck Cherry hite Pine	B Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Seeding	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli because more residual pine in stand 63.
71	Canopy Species White Oak Red Pine Red Oak	% Cover 2 96 2 e, Aspen M	Size Class Log/Pole Log/Pole Log	DBH 14 10 16 awtimb DBH	Age 75	Sub-Ca Blac Wi Bigto 7.9	nopy Species ck Cherry hite Pine both Aspen	Density Low Low Low 51-80	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Seeding	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density is mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin	% Cover 2 96 2 e, Aspen M	Size Class Log/Pole Log/Pole Log	DBH 14 10 16 awtimb	75 er Well	Sub-Ca Blar Wi Bigto 7.9 Sub-Ca	nopy Species ck Cherry hite Pine both Aspen 84	Density Low Low Low 51-80	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A	Sapling Seeding Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density is mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species	% Cover 2 96 2 e, Aspen M % Cover	Size Class Log/Pole Log/Pole Log ix S Size Class	DBH 14 10 16 awtimb DBH	Age 75 er Well Age 36	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species	Density Low Low Low 51-80 Density	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Seeding Sapling Size	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density is mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species Sugar Maple	% Cover 2 96 2 e, Aspen M % Cover 2	Size Class Log/Pole Log/Pole Log ix S Size Class Pole/Sapling	DBH 14 10 16 awtimb DBH 5	75 er Well	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca Ire Blac	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species onwood	 Density Low Low Low 51-80 Density Medium 	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height < 5 feet	Sapling Seeding Sapling Size Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producir trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spl because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density i mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species Sugar Maple Red Maple	% Cover 2 96 2 e, Aspen M % Cover 2 15	Size Class Log/Pole Log/Pole ix S Size Class Pole/Sapling Pole	DBH 14 10 16 awtimb DBH 5 6	Age 75 er Well Age 36	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca Ire Blac	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species onwood ck Cherry	 Density Low Low Low 51-80 Density Medium Medium 	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height < 5 feet 5 - 10 feet	Sapling Seeding Sapling Size Sapling Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producin trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spl because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density i mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species Sugar Maple Red Maple Black Cherry	% Cover 2 96 2 ee, Aspen M % Cover 2 15 3	Size Class Log/Pole Log/Pole ix S Size Class Pole/Sapling Pole/Sapling	DBH 14 10 16 awtimb 5 6 5 6 5	Age 75 er Well Age 36 36	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca Ire Blac	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species onwood ck Cherry	 Density Low Low Low 51-80 Density Medium Medium 	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height < 5 feet 5 - 10 feet	Sapling Seeding Sapling Size Sapling Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producir trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spli because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density is mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species Sugar Maple Red Maple Black Cherry Red Pine	% Cover 2 96 2 e, Aspen M % Cover 2 15 3 43	Size Class Log/Pole Log/Pole ix S Size Class Pole/Sapling Pole/Sapling Pole/Sapling Log	DBH 14 10 16 awtimb 5 6 5 6 5 16	Age 75 er Well Age 36 36	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca Ire Blac	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species onwood ck Cherry	 Density Low Low Low 51-80 Density Medium Medium 	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height < 5 feet 5 - 10 feet	Sapling Seeding Sapling Size Sapling Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producir trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spl because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density i mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.
71	Canopy Species White Oak Red Pine Red Oak 4311 - Pin Canopy Species Sugar Maple Red Maple Black Cherry Red Pine Red Oak	% Cover 2 96 2 96 2 e, Aspen M % Cover 2 15 3 43 5	Size Class Log/Pole Log/Pole Log Size Class Pole/Sapling Pole/Sapling Pole/Sapling Log	DBH 14 10 16 awtimb DBH 5 6 5 6 5 16 16	Age 75 er Well Age 36 36	Sub-Ca Blac Wi Bigto 7.9 Sub-Ca Ire Blac	nopy Species ck Cherry hite Pine both Aspen 84 nopy Species onwood ck Cherry	 Density Low Low Low 51-80 Density Medium Medium 	Avg. Height 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height < 5 feet 5 - 10 feet	Sapling Seeding Sapling Size Sapling Sapling	harvest until 2001. Good chance of red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch hazel. Leave scattered mast producir trees (oak, bc), scattered conifer poles/saps 2011 FMD: Check sale records for new first age. PI stands 67 and 63 were hooked in O/I. Spl because more residual pine in stand 63. 2022: Red pine is large but aspen is too small to harvest. RP density i mixed. Could hold this until Aspen and red maple put on more volume and then harvest and plant. Could treat with other small pine blocks nearby or could just keep it all for diversity. 2003FMD R8 TS#047-83.

Compartment: 46 Year of Entry: 2025

NR DNR

73	42110 - Plar	nted Red P	ine	Sapling	Poor	16.6	9	Immature	N/A		2022: Good growth on most remaining red pine. Some leader die ba
	Canopy Species	% Cover	Size Class	DBH	Age						and mortality and some lower stocked areas. Residual oak and pine scattered in stand. 2019: Regeneration survey 84% survival and 75%
	Beech	2	Sapling	1	9						FTG ratio. Most competition is from jp and bc. Considering that this
	Red Maple	2	Sapling	1	9						was planted due to failed regeneration of jp, aspen, wp, this result is
ļ	Bigtooth Aspen	2	Sapling	1	9						acceptable. No next step required. 2018: Regen check. Good surviv and FTG ratio. Little competition. TMS request monitoring 2019. 201
	White Pine	2	Sapling	1	13						Stand was chopped and trenched in 2014. Initial plant of rp in 2015 a
	Red Pine	75	Sapling	1	9						re-planted 2017. 2003FMD: A5 Hold harvest until 2001. Good chanc
	Jack Pine	7	Sapling	1	13						red pine natural seeding. WLD: A5w/mix of wp rp rm bc O whitch haz Leave scattered mast producing trees (oak, bc), scattered conifer
	Black Cherry	10	Sapling	1							poles/saps 2011 FMD: Check sale records for new first age. PI stand 67 and 63 were hooked in O/I and in this TS Split because more
74	42210 - Nat	ural Red P	ine S	Sawtimb	er Well	21.9	113	81-110	N/A		except no red ine < 9.5" dbh and no oak. Cut rp wp aspen jp rm oak 2013FMD: Scattered residual oak and pine retention from last sale. F regeneration of aspen and red maple and little pine seeded in. Considerer trenching and planting red pine. 2019: Good bit of aspen and rm sprouting after harvest but most is
			Size Class		Age	-	nopy Species		Avg. Height	Size	heavily browsed. Some has advanced. Stand looks good. 2010: TS
	Canopy Species White Pine	10	Log	14	113		d Pine	Low	10 - 20 feet	Sapling	007-16. TCR 9/30/19. Cut aspen and jack pine and marked pine. Ini was to manage this corridor along road and river for older pine. 2003
	Red Pine	70	Log	12	113		oth Aspen	Medium	< 5 feet	Sapling	Limiting Factor Scenic/visual values. 2013FMD; mix of pine and oak
	Red Oak	5	Log/Pole	14	115	0	d Maple	Medium	< 5 feet	Sapling	a good bit of aspen in this stand. May not be enough aspen for harve
	White Oak	10	Log/Pole	12			ite Pine	Low	10 - 20 feet	Sapling	Could treat with PI stand 70. Could harvest aspen, rm jp and mark lo guality oak and pine. RP saplings in areas. Stand is trying to stay in
	Red Maple	5	Pole/Sapling					2011	10 201000	oupinig	pine.
75		wland Ceda		Sawtimb		19.2	85	111-140	N/A		Cedar/deciduous mix. Headwaters of trib of S Boardman.
	Canopy Species		Size Class		Age		nopy Species	-	Avg. Height	Size	
	Paper Birch	10	Pole	9		Ta	g Alder	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	10	Pole/Sapling								
	Red Maple	18	Log/Pole	11	85						
	Yellow Birch	5	Log/Pole	12							
	Tamarack	5	Log/Pole	11							
Nor	thern White Cedar	52	Log	13	85						
76		vland Aspe		Poletimb		7.3	71	1-50	N/A	Size	Wet low area with aspen and tag. Low stocking. May have been partially harvested last treatment. Mixed sizes Part of harvested stand
	Canopy Species Red Maple	25	Size Class Pole/Sapling		Age		h opy Species k Cherry		Avg. Height 5 - 10 feet	Sapling	lower drain. Mixed of aspen maple, balsam and tag alder
	Balsam Fir	10	Pole/Sapling Pole	6			g Alder	Low Medium	5 - 10 feet	Sapling Tall Shrub	
	Quaking Aspen	45	Pole	8	71	Ta	y Aluel	Medium	5 - 10 100		1
	0 1										
I	Bigtooth Aspen	20	Log/Pole	10	71						

Report 7 – Stands



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
78	500 -	Water		Nonsto	cked	3.1		Unspecified	No		2022: North Branch Boardman River.
79	110 - Low Ir	ntensity Urb	ban	Nonsto	cked	2.8		Unspecified	No		2022: Active oil/gas production site.
80	42290 - Natu	ural Mixed F	Pine I	Poletimb	er Well	49.9	30	81-110	N/A		2022: Larger rp scattered around (age 86) and some areas fully stocked
	Canopy Species	% Cover	Size Class	DBH	Age						with larger pine. QA is scraggly but BA looks good and has good growth. Stand will be interesting to manage in future with mix of aspen, and pine.
	White Pine	10	Pole	6	30						Would try to get all back to one age. 2003FMD: TS# 012 92. TCR
	Red Pine	45	Pole/Sapling	6	30						2/94. Whole tree harvest to 2" but leave all RP. R7A1J1W1 scattered
	Quaking Aspen	5	Pole/Sapling	J 5							R1 Age 20? Machine Planted (district?)1994 with Pl stands 72 and 76 treated together. Did not plant areas of heavy pine and oak residual.
	Bigtooth Aspen	20	Pole/Sapling	5	30						Site was very stumpy. 2013FMD; Last harvest left a red pine seed tree
	Jack Pine	20	Pole	6	30						look and then red pine was woven in around trees by district. Planted red pine has survived and is now starting to get good growth. Looks like it had a bad start. Patchy planting with areas heavy to jp, wp, aspen or just open areas. Has a natural pine look after all. Canopy call is on 20 yr class.
81	42210 - Nat	ural Red P	ine s	Sawtimb	er Well	6.8	81	111-140	N/A		2022: Red pine is getting large. Some larger old pine scattered in stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	Vernal pond in north end with steeper slopes around. Could harvest and plant with retention around vernal pond.
	Red Oak	5	Log	16		W	nite Pine	Low	10 - 20 feet	Sapling	Not much volume in this small stand but may be able to treat if nearby.
	White Pine	18	Log	12	81	R	ed Pine	Low	5 - 10 feet	Sapling	Could also just allow to grow in to large pine for diversity in area. 2013:
	Red Pine	70	Log/Pole	14	81			·	•		Stand is heavy to red pine. Stocking is a bit high but it could wait. Stand on bowl and drain.
	Jack Pine	1	Pole	9	81						
	Red Maple	5	Pole/Sapling	5							
	White Oak	1	Log	12							
82	3102	- Grass		Nonsto	cked	1.9		Unspecified			Well plugged 5/2003. Unknown if reclamation is needed or attempted.
83	4191 - Mixed Upla Co	and Decidu onifer	ous with	Sawtimb	er Well	37.2	81	111-140	N/A		2022: GOOD PINE GROUND. WHITE PINE IS MIXED SIZED POLE- XL. STOCKING IS NOT TOO HIGH. LITTLE BIT OF SM AND BW.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	WEST FINGER IS MOSTLY WP IN DRAIN. COULD HARVEST AND RE-PLANT OR HOLD UNTIL ADJACENT RECENT HARVEST
	Red Oak	20	Log/Pole	14		W	nite Pine	Low	5 - 10 feet	Sapling	DEVELOPS. This stand could probably hold. Most WP is not too large.
	White Oak	2	Log/Pole	12		Re	d Maple	Low	< 5 feet	Sapling	DO NOT HARVEST ASPEN/RM UNTIL READY FOR FINAL HARVEST.
	Paper Birch	1	Log/Pole	10		Ire	onwood	Low	< 5 feet	Sapling	2013FMD; MIXED PINE WITH ASPEN OAK RM. SOME LARGE OLD OAK AND PINNE SCATTERED AROUND. RED PINE HAS GOOD
	White Pine	15	Log/Pole	11	81						GROWTH AND FORM. THINNING WOULD LIKELY CAUSE SECOND
	Red Pine	24	Log	13	81						AGE TO FORM OF ASPEN AND RED MAPLE DUE TO THE AMOUNT
	Red Maple	20	Pole	9							IN STAND. DOES NOW SEEM LIKELY THAT A SEED TREE OR SHELTERWOOD HARVEST WOULD RESULT IN PINE
	Jack Pine	1	Log/Pole	10	81						REGENERATION. MAY GET WHITE PINE MIXED WITH ASPEN AND
	Bigtooth Aspen	17	Log/Pole	11	81						RED MAPLE BUT RED PINE SUCCESS IS UNLIKELY. COULD TRY
		· · · ·			_						TO REPLANT SOME OF THE BETTER LYING GROUND. THERE IS A GOOD BIT OF ASPEN IN THIS STAND AND IT IS MATURE.

Compartment: 46 Year of Entry: 2025

Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	lite	General Comments
84	42260 - Natural Pi			Poletimb		36.1	29	81-110	N/A		2022: Stocking is variable. BA looks good but QA is still spindly. Red pine growth is good. RP and WP retention. Stand will be a challenge to
	Canopy Species		Size Class		Age						manage in future with mix of pine and aspen. 2003FMD: R3M1W1A1
	Jack Pine	25	Pole	6	29						Machine Planted (district?)1994 with PI stands 72 and 76 treated
	Quaking Aspen	10	Sapling	4	29						together. Did not plant areas of heavy pine and oak residual. Site was very stumpy and steep. Did not plant deep frost pocket in east . TS#
	Bigtooth Aspen	20	Pole	6	29						012 92. TCR 2/94. Whole tree harvest to 2" 2013FMD; PLANTED RP
	Red Pine	35	Pole	5	29						MIXED WITH ASPEN, RM WP JP. HEAVY ASPEN COMPONENT. QA
	White Pine	10	Pole	6	29						IS PRETTY SPINDLY BUT BA LOOKS PRETTY GOOD. ASPEN HAS OVERGROWN RP IN AREAS BUT RP IS STILL GROWING. RP HAD BAD START BUT GROWING NOW.
85	42260 - Natural Pi	ine, Mixed D	Deciduous	Sapling	Poor	69.8	13	Immature	N/A		2022: Mixed stand with planted red pine. Residual oak scattered
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	around. Good growth on remaining planted pine. Planting this stand to supplement failed natural regen was a good call. Should develop into
	Red Maple	5	Sapling	2	13	R	ed Pine	High	< 5 feet	Seeding	nice mixed stand with decent stocking. Retention area in NW. 2021:
	White Pine	30	Sapling	2	13						Dropped herbicide release treatment for this stand. Consider pre-
	Bigtooth Aspen	10	Sapling	1	13						commercial thinning in future. 2018 poor regeneration over much of site after last harvest. Trenched site in 2017. Will plant red pine 2018.
	Black Cherry	15	Sapling	2	13						10/18. Regen check. Survival good> 80%. Trees need release
	White Oak	5	Sapling	1							treatment to set back woody competition. es and saps. 2011FMD Check
	Red Pine	25	Sapling	1	6						sale record for new age. TS# 065-05 TCR 11/10 Cut all trees 2"dbh except no oak. Cut rp wp aspen jp rm oak 2013FMD: Residual oak
	Jack Pine	10	Sapling	2							through stand- small logs and poles. mederate jp regen throughout stand but pretty steady. May fill in more in the future. A few scattered wp saps. Let stand develop.
86	3102	- Grass		Nonsto	ocked	2.5		Unspecified	No		
87	330 - Low-	Density Tre	es	Nonsto	ocked	11.2	0	Unspecified	4211 - Planted	Red Pine	2022 - Stand was Sprayed 6/13/2022 with Contract Skidder 2021: site trenched to prep for planting. 2020. Stand harvested and tops chipped to prep site for planting. Aspen component will likely sprout vigorously in areas so herbicide will be required before planting. 2003 FMD: W6 2011FMD: PI stands 78,81,88,90 were all one O/I stand W6 age 67. Split due to differences in imagery 2013FMD: Considerable aspen component in this stand that is mature and should be harvested. Good pine ground. Cutting and planting nay cause competion issues fro the pine from aspen clones. Taking aspen out first will likely cause a second age to form and delay removal of pine. There is a good bit of aspen and pine/aspen in this immedialte area.
88	42290 - Nat	ural Mixed F	Pine	Sawtimb	er Well	58.8	82	111-140	N/A		2022: Stand looks good after thinning. Basal area on target. Let stand $_{\rm I}$ grow in. Aspen, rm,bc sprouts and seedlings in understory. Getting
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Speci	es Density	Avg. Height	Size	browsed heavily. 2019. TS# 079-15. Marked Crown release thinning on
	Red Pine	50	Log/Pole	11	82	Bla	ck Cherry	Low	< 5 feet	Sapling	rr/wp+ most aspen and jp Harvested Summer 2019. 2003 FMD: W6
	White Oak	2	Log/Pole	12		Re	ed Maple	Medium	< 5 feet	Sapling	2011FMD: PI stands 78,81,88,90 were all one O/I stand W6 age 67. Split due to differences in imagery 2013FMD: mixed pine stand -red pine
	Red Oak	3	Log/Pole	12		•	oth Aspen	Medium	< 5 feet	Sapling	has best growth and form. White pine is a bit limby and weeveled.
	White Pine	40	Log/Pole	10	82	W	nite Pine	Low	10 - 20 feet	Sapling	Some legacy red and white pine in stand. Could manage this pine along
	Red Maple	5	Pole/Saplin								or could harvest and re-plant.

Report 7 – Stands

Compartment: 46

Stand		over Type		Size De	ncity	Acros S	itand Age	BA Bango	Managed S	ito	Year of Entry: 2025 General Comments
89	3202 - Autumn		vsuckle	Nonsto		2.6	•	Jnspecified	No		2022: Most of the autumn olive was taken out during timber sale as this was uswed as landing.
90	42290 - Nati	ural Mixed P	Pine	Poletimb	er Well	68.1	81	81-110	N/A		2022: Retention areas that were not treated in valleys and steeper areas.
50	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	Areas with exploding aspen sprouts which will be a concern in future
	Red Oak	2	Log/Pole		, Age		Oak	Low	5 - 10 feet	Sapling	management. Mixed pine sizes. Let stand grow in. 2018: TS# 976-15. Harvested Winter 2017-2018.
	White Oak	2	Log/Pole				h Aspen	Medium	5 - 10 feet	Sapling	Marked thinning and all jp/aspen/rm unless green marked. 2003FMD:
	Red Pine	40	Log/Pole		81	-	e Oak	Low	5 - 10 feet	Sapling	J6 PI stand 82 and 87 were hooked in O/I Split due to mapping rules
	White Pine	56	Log/Pole				Maple	Low	5 - 10 feet	Sapling	2013FMD: Most stocking is white pine poles that could use a thinning. Could take jack pine , aspen and red maple out and thin pine. May be
			- 0,				e Pine	Low	5 - 10 feet	Sapling	hared to sell due to white pine volume. Split new stand off west side PI 167. Check and see if this is different.
91	42290 - Nati	ural Mixed P	Pine	Sawtimb	er Well	37.0	84	81-110	N/A		2022: Stocking is fine. Oak, wp and rm seedlings and some aspen
•	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	clones in understory. Stand will likely keep moving towards this mix as
	White Pine	35	Log/Pole		84		e Pine	Medium	5 - 10 feet	Sapling	stand develops. 2019: TS# 058-15. Harvested 2018-2019. Marked crow release = cut all rm/aspen,jp2003FMD: W6 2013FMD: Looks like
	Red Pine	55	Log	14	84		e Oak	Low	< 5 feet	Seeding	maybe the sw/south part may bless pine but there are runs of pine
	White Oak	5	Log/Pole				Oak	Low	< 5 feet	Seeding	through that as well. 2013FMD: Mix of pine oak aspen and rm. Has
	Red Oak	5	Log	13	84		Maple	Low	< 5 feet	Seeding	natural lookno planting record. pruned in 1989. Some large old pine and oak scattered around. Some areas are heavier to rp and aspen
			- 5				h Aspen	Low	5 - 10 feet	Sapling	seems heavier in south of stand. Corner and witness trees in SE corner.
92	3102	- Grass		Nonsto	ocked	16.9	ι	Jnspecified	Managed Op	pening	
93	3102	- Grass		Nonsto	ocked	1.4	ι	Jnspecified	No		
94	42290 - Nati	ural Mixed P	Pine	Poletimb	er Well	20.8	38	51-80	N/A		2022: Lower quality stand with jp and wp mix. Some scattered oak and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	red pine. Consider harvest next entry and planting to red pine. Let stand put on more volume at this time. 2003 FMD: A2W7W4O4 Same age
	Jack Pine	40	Pole	7	38	Jack	Pine	Low	< 5 feet	Sapling	for PI stands 95,86 TS# 043-83 TCR 5/86 cut all merchantable but no
	Red Oak	5	Log/Pole	12	83	White	e Pine	Low	< 5 feet	Sapling	oak 2013fmd: poorly stocked stand with poor formed trees. Bushy oper
	White Oak	3	Log/Pole	12				·			¹ grown white and jack pine with a little red pine. Looks like the last treatment left a good bit of wp saps and poles as well as scattered oak
	Red Pine	4	Pole/Log	9							logs and poles. Consider trying to get this ground cleared and planting
	White Pine	48	Pole/Log	9	38						red pine. This ground is under-utilized.
95	310 - Herbac	eous Openl	land	Nonsto	ocked	11.2	0 (Jnspecified	4211 - Planted	Red Pine	2022: site prep herbicide treatment 2021: stand trenched. 2020: Stand chip harvested to prep site for planting. Some large scattered pine and oak residual. Should be trenched in 2021 and possibly herbicide in sam year. May have considerable aspen sprouting that should be controlled before planting. 2003FMD: J6 Pl stand 82 and 87 were hooked in O/I Split due to mapping rules 3013FMD; Stand is mixed pine heavy to jack pine which has talken a good bit of damage from snows in 2012. Som large crowned oak scattered around and oak poles as well. Jack pine should come out. Could mark some oak and pine retention and replant

Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age BA	A Range	Managed S	ite	General Comments
96	42260 - Natural Pi	ne, Mixed I	Deciduous	Sawtim	oer Well	9.4	77 2	111-140	N/A		steep slope . Factor limit. 2003 FMD: W6 2011FMD: PI stands 78,81,88,90 were all one O/I stand W6 age 67. Split due to differences in
	Canopy Species	% Cover	Size Class	s DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	imagery 2013fmd: Steep slope. Not manageable. JP is dying out of
	White Pine	30	Log/Pole	9 11		Wh	ite Pine	Low	10 - 20 feet	Sapling	stand
	Red Pine	30	Log/Pole	e 12	77						
	White Oak	5	Log/Pole	e 14							
	Jack Pine	5	Log/Pole		77						
	Red Oak	10	Log/Pole	e 12							
	Bigtooth Aspen	20	Log/Pole	e 10	77						
97	3205 - Mixeo	d Upland Sł	hrub	Nonst	ocked	2.8	Ur	nspecified	No		2022: Old well pad with a little autumn olive and jp.
98	42290 - Natu	ural Mixed F	Pine	Sawtim	oer Well	10.6	88 î	111-140	N/A		2022: Mixed pine sized. A good bit of large older pine mixed in. Let stand grow in. 2011FMD: Stand not inventoried before. Mix of wp aspen
	Canopy Species	% Cover	Size Class	s DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	rm with a little rp and oak. Mixed ages. Some older rp, wp scattered
	Jack Pine	1	Pole	9		Wh	ite Pine	Low	10 - 20 feet	Sapling	around. Aspen is declining. Ground is hummocky. Could open this
	White Pine	56	Log/Pole	e 11	88	Red	d Maple	Low	10 - 20 feet	Sapling	stand up for pine to seed in. Not sure of access. S Branch road is narrow and passes by private cottages.
	Red Maple	5	Pole	8							narrow and passes by private collages.
	Red Oak	2	Log/Pole	e 10							
	Bigtooth Aspen	5	Log	12	88						
	White Oak	1	Log/Pole	9 12							
	Red Pine	30	Log/Pole	e 11							
99	4319 - Mixed	I Upland Fo	orest	Saplin	g Poor	8.1	13	1-50	N/A		2022: Site planted with red pine 2018 after failed natural regeneration. Mix of natural regen with planted red pine. Some scattered residual oak
	Canopy Species	% Cover	Size Class	s DBI	l Age						from last harvest. 2021: Dropped herbicide release treatment for this
	Jack Pine	10	Sapling	1	13						stand. 2003FMD A5 WLD A5 with wp oak rm rp. Leave scattered mast
	Red Pine	20	Sapling	1	5						producing trees (oak, bc) and scattered conifer poles and saps.
	Red Maple	30	Sapling	1	13						2011FMD TS# 065-05 TCR 11/10 Cut all trees 2"dbh except no oak < 9.5" dbh. Cut rp wp aspen jp rm oak 2013FMD: Part of this had decent
	Red Oak	10	Sapling	1	13						aspen regen but the most part is pretty sparse. Red maple and oak
	White Pine	15	Sapling	2							stump sprouts have been browsed heavily. Pretty heavy slash and a
	Bigtooth Aspen	15	Sapling	1	13						good bit of residual oak so it may not be possible to trench and plant this if it fails. Evaluate in spring of 2013 and if necessary trench as possible
											to plant red pine.
100	42210 - Nat	tural Red P	ine	Sawtim	ber Well	16.0	77 1	111-140	N/A		2022: Could be cut and planted but good for diversity in area. 2003FMD: W6. PI stands 160 and 81 were hooked in O/I. stand 160 was treated
	Canopy Species	% Cover	Size Class	s DBI	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	with TS# 003-05, TCR 10/05. cut only red maple and aspen. 2013FMD:
	Red Oak	5	Log/Pole	e 16		Red	d Maple	Low	5 - 10 feet	Sapling	Red nad white pine witha little scattered oak. nice diversity and good
	White Oak	2	Log/Pole	e 14		Bigtod	oth Aspen	Low	10 - 20 feet	Sapling	stocking to grow at this time.
	White Pine	31	Log	13	77	Wh	ite Pine	Low	< 5 feet	Seeding	
	Red Maple	2	Pole	8							
	Red Pine	60	Log	12	77						

Report 7 – Stands

Compartment: 46 Year of Entry: 2025

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Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
101	4310 - Pi	ne, Oak Mix	¢ F	Poletimb	er Poor	12.9	70	1-50	N/A		2022: Nice mixed stand coming in understory. Unusual amount of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	natural red pine. Oak is advancing in patches but other areas still getting browsed. Let stand develop. 2012:Sale resold as TS# 053-07. Cut all
	Red Oak	25	Log/Pole	12			ck Pine	Low	5 - 10 feet	Seeding	trees to 2" DBH but no oak or red pine< 9.5DBH. TCR 6/08 WLD: J6 with
	White Pine	10	Pole	8		Bigto	oth Aspen	Low	10 - 20 feet	Sapling	mix of wp/o/aspen/rp. Leave snags and oak. Stand Yof O 2009
	White Oak	25	Log/Pole	10		-	nite Oak	Medium	5 - 10 feet	Sapling	2013FMD: Smaller red pine and oak left for retention from the last sale. Regen of oak, aspen jp. regen getting browsed badly at this time. let
	Red Pine	40	Pole	8	70	Re	ed Pine	Low	5 - 10 feet	Sapling	stand develop.
						Re	ed Oak	Low	5 - 10 feet	Sapling	
102	42260 - Natural Pi	ne, Mixed D	eciduous Po	letimber	Medium	30.2	88	51-80	N/A		2022: TS# 057-18. Harvested Fall 2022. Cut all aspen, jp and marked
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	trees. Aspen should regenerate through residual pine. May be able to hold until I aspen is ready to harvest again.
	White Oak	10	Pole/Log	9		Re	d Maple	Low	10 - 20 feet	Sapling	2011FMD: Stand not inventoried before. Mix of wp aspen rm with a little
	Red Pine	20	Log	12		Wh	nite Pine	Low	10 - 20 feet	Sapling	rp and oak. Mixed ages. Some older rp, wp scattered around. Aspen i
	White Pine	50	Pole	8	88						declining. Ground is hummocky. Could open this stand up for pine to seed in. Not sure of access. S Branch road is narrow and passes by
	Red Oak	10	Pole/Log	9							private cottages.
	Red Maple	10	Pole	8							
103	Dec Canopy Species	iduous % Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	 2022: Mixed sizes of wp (sapling-log) Most is pole sized. Aspen clones mixed through stand. Let stand develop. 2003FMD; A2 Same age PI stands 95,86 TS# 043 83 TCR 5/86 cut all merchantable but no oak 2013FMD: Some older wp
	Red Maple	10	Pole	6			nite Pine	Low	< 5 feet	Seeding	and a fair amount of oak poles and logs left as retention from last
	Red Oak	5	Log	14	83						d treatment. New stand has decent stocking- a little patchy. Most is white
	White Oak	5	Log/Pole	12							pine.
E	Bigtooth Aspen	14	Pole/Sapling	5	38						
	White Pine	60	Pole	6	38						
	Jack Pine	5	Sapling	5							
104	4130	- Aspen	S	Sapling N	ledium	107.9	17	1-50	N/A		2022: Good regeneration through oak and pine retention. An unusual
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	amount of red pine saplings. Let stand develop. 2004 FMD: A0 Cut under contract 003-05 TCR 10/05 Cut all trees to 2" dbh except leave a
	Red Oak	5	Log	13	77	Re	ed Pine	Low	5 - 10 feet	Sapling	white oak, cherry, hawthorn and rp < 9.5dbh. WLD: A6 with mix of
	Red Pine	5	Log	12	77	Hazeln	ut (Beaked)	Low	< 5 feet	Tall Shrub	O/rm/wp/rp/and occasional witch hazel and hawthorn. Leave scattered
	White Oak	5	Log	13	77	Wh	nite Pine	Low	5 - 10 feet	Sapling	mast producing trees and hawthorn, scattered conifer poles and saps and some rm as CWD. 2012FMD: Scattered oak and red pine in canop
	White Pine	5	Sapling	3	17						left as retention from last sale. New stand formed of aspen, white pine.
E	Bigtooth Aspen	80	Sapling	3	17						Oak and red maple sprouts are heavily broused at this time.
105	3102	- Grass		Nonsto	cked	1.8	U	Inspecified	No		2022: Old well pad. Could plant If adjacent stand planted in future.

	Travers	e City Mg	jt. Unit				Keb	ort / – Sta	anus		Compartment: 46 Year of Entry: 2025
Stan	d Level 4 Co	over Type	S	ize De	ensity	Acres	Stand Age B	BA Range	Managed S	ite	General Comments
106	4311 - Pine	e, Aspen N	lix Po	oletimb	er Well	27.3	36	51-80	N/A		2022: Areas thick in wp saps and poles and other areas with good aspen pole/sapling stocking. Mixed ages of oak and pine in overstory. Some
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak advancing in understory.
	Bigtooth Aspen	50	Pole/Sapling	5	36	Hazelnu	ıt (American)	Low	5 - 10 feet	Tall Shrub	Most is white oak. Quad trail from house on west side. May have left
	Red Pine	6	Pole	8		Wł	nite Oak	Low	5 - 10 feet	Sapling	most pine in last harvest. 2003FMD: A2M4W4W2 TS# 017-87. TCR 05 89. Cut all merchantable but green marked retention. 2013FMD: Asper
	White Pine	40	Pole	6	36	R	ed Oak	Low	5 - 10 feet	Sapling	regen with white pine. Some older rp/wp/oak left for retention in last
	White Oak	2	Pole/Sapling	8							harvest. Some oak pockets harvested but regen is still in browse size.
	Red Oak	2	Pole/Sapling	8							
107	42260 - Natural Pir	ne, Mixed [Deciduous Sa	awtimb	er Well	55.0	93	51-80	N/A		2022: Pockets of oak and white pine advancing in under-story. Stocking is fine. Let stand put on volume and allow second age to develop.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2012:Stand was orange marked and thinned leaving oak and pine mix.
	Red Maple	2	Pole	8		Wh	nite Pine	Low	5 - 10 feet	Sapling	Removed larger pine and oak. Was in same sale as PI stand 106 which
	White Oak	8	Log	13		Re	ed Oak	Low	5 - 10 feet	Sapling	was not cut. Oak seedling growing in in openings. HEAVY IN PLACES. WP SUB CANOPY KNOCKED DOWN BY SNOW. ALL PINE IS SAME
	Red Pine	35	Log/Pole	11	93	Bigto	oth Aspen	Low	5 - 10 feet	Sapling	AGE (83) EXCEPT WP SAPLINGS. LOOKS LIKE THER MAY BE A
	Red Oak	20	Log	13		Wł	nite Oak	Medium	5 - 10 feet	Sapling	YOUNGER AGE BUT NOT SO. Let understory develop. Can not locat
	White Pine	35	Log/Pole	10	93						sale record.
108	4133 - Aspe	n, Mixed P	line S	Sapling	g Poor	12.1	26	1-50	N/A		2022: Poor quality and stocking. Patchy regeneration. Bushy open
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	grown wp with poor quality QA. Would be good to harvest this stand and plant a block of pine when possible.
	Black Cherry	30	Sapling	2	26	Blac	k Cherry	Low	5 - 10 feet	Sapling	2003FMD: A3 TS# 013-92 TCR 1/97 cut to 2". 2013fmd; pi STANDS
	Quaking Aspen	50	Sapling/Pole	4	26						100, 101, 107, 105, 103 WERE ALL IN THIS STAND THAT WAS CUT
	White Pine	20	Sapling/Pole	4	27						AROUND 1997. DIFFERENT LOOK ON IMAGERY NOW FOR THESE STANDS. 2013FMD: This stand is poorly stocked struggling QA, BC with
											some wp saplings.
109											
	6112 - Lov			awtimb	er Well	19.2	79	51-80	N/A		2022: Low wet area on north edge of stand limits access to this stand.
	6112 - Lov Canopy Species		n Sa Size Class		er Well I Age		79 n opy Species		N/A Avg. Height	Size	Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access.
	Canopy Species Bigtooth Aspen			DBH 13		Sub-Ca				Size Tall Shrub	Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand.
	Canopy Species	% Cover	Size Class	DBH 13 14	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part
	Canopy Species Bigtooth Aspen White Pine Red Maple	% Cover 40 10 20	Size Class Log Log Log/Pole	DBH 13 14 12	I Age	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part
	Canopy Species Bigtooth Aspen White Pine	% Cover 40 10	Size Class Log Log	DBH 13 14	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet it
	Canopy Species Bigtooth Aspen White Pine Red Maple	% Cover 40 10 20	Size Class Log Log Log/Pole	DBH 13 14 12 11 11	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to
	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak	% Cover 40 10 20 10	Size Class Log Log Log/Pole Log/Pole	DBH 13 14 12 11 12	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet it
	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak Paper Birch	% Cover 40 10 20 10 5	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole	DBH 13 14 12 11 11	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet it
	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak	% Cover 40 10 20 10 20 12	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole	DBH 13 14 12 11 12	79	Sub-Ca	nopy Species	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet it
	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak Paper Birch Black Cherry	% Cover 40 10 20 10 20 10 10 10 2 10 2 10 2 11 2 2	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole Pole/Sapling	DBH 13 14 12 11 12 11 12 11 12	I Age 79 79 79	Sub-Ca	nopy Species g Alder	Density	Avg. Height		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet i
110	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak Paper Birch Black Cherry 330 - Low-E	% Cover 40 10 20 10 5 12 1 2	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole Pole/Sapling	DBH 13 14 12 11 11 12 10 8 Nonsto	I Age 79 79 79	Sub-Car Ta	n opy Species g Alder U	Density Low	Avg. Height < 5 feet		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet i places and regeneration may get browsed badly along river. 2022: Low density trees. Could cut and plant pine some time when nearby. 2013:poorly regenerated pocket from aspen harvest @1997. 2022: Keep for diversity Stand looks fine. 2003FMD: W6 TS# 013-92
110	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak Paper Birch Black Cherry 330 - Low-E	% Cover 40 10 20 10 5 12 1 2	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole Pole/Sapling	DBH 13 14 12 11 11 12 10 8 Nonsto	Age 79 79 79 0 0 0 0 0 0 0 0	Sub-Car Ta 8.2 5.1	n opy Species g Alder U	Density Low	Avg. Height < 5 feet No		Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet in places and regeneration may get browsed badly along river. 2022: Low density trees. Could cut and plant pine some time when nearby. 2013:poorly regenerated pocket from aspen harvest @1997. 2022: Keep for diversity Stand looks fine. 2003FMD: W6 TS# 013-92 TCR 1/97 cut to 2" but cut no pine. 2013FMD: Nice pocket of pine left
1110	Canopy Species Bigtooth Aspen White Pine Red Maple Red Oak Quaking Aspen White Oak Paper Birch Black Cherry 330 - Low-E 42290 - Natu	% Cover 40 10 20 10 5 12 1 2	Size Class Log Log/Pole Log/Pole Log/Pole Log/Pole Pole/Sapling Pone Sa	DBH 13 14 12 11 11 12 10 8 Nonsto	Age 79 79 79 00000000000000000000000000000	Sub-Car Ta 8.2 5.1 Sub-Car	nopy Species g Alder U	Density Low	Avg. Height < 5 feet No	Tall Shrub	Older aspen, oak, rm, wp. Would be good to cut aspen and rm to regenerate but limited by access. Beaver activity and beaver ponds in south central part of stand. 2003FMD: A5 Delayed treatment for age/size class diversity. West part of this stand was not inventoried in past-private land but looks similar to A5 to east 2013FMD; between upland and lowland. Could attempt to regenerate this stand if access can be made. Stand may be pretty wet in places and regeneration may get browsed badly along river. 2022: Low density trees. Could cut and plant pine some time when nearby. 2013:poorly regenerated pocket from aspen harvest @1997. 2022: Keep for diversity Stand looks fine. 2003FMD: W6 TS# 013-92



DNR

Stand	d Level 4 C	over Type	:	Size De	nsity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments
112	4130	- Aspen	Р	oletimb	er Well	10.6	26	51-80	N/A		2022: A little patchy but well stocked in general. Good growth. 2003FMI $_{\rm T}$ A3 TS# 013-92 TCR 1/97 cut to 2". 2013fmd; pi STANDS 100, 101,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	107, 105, 103 WERE ALL IN THIS STAND THAT WAS CUT AROUND
	Black Cherry	2	Pole	5		Hazelr	nut (Beaked)	Low	5 - 10 feet	Tall Shrub	1997. DIFFERENT LOOK ON IMAGERY NOW FOR THESE STANDS.
	Bigtooth Aspen	85	Pole/Sapling	5	26						2013FMD: Aspen regen with oak, red maple and black cherry.
	White Pine	4	Pole	6							
	Red Oak	2	Pole	6							
	Red Maple	5	Sapling	4	26						
	White Oak	2	Pole	6	26						
113	4130	- Aspen	Р	oletimb	er Well	31.8	26	51-80	N/A		2022: Well stocked QA. Let stand grow in. 2003FMD: A3 TS# 013-92
	Canopy Species	% Cover	Size Class	DBH	Age						TCR 1/97 cut to 2". 2013fmd; pi STANDS 100, 101, 107, 105, 103 WERE ALL IN THIS STAND THAT WAS CUT AROUND 1992.
	Quaking Aspen	96	Pole	5	26						DIFFERENT LOOK ON IMAGERY NOW FOR THESE STANDS.
	Red Maple	2	Sapling	4							2013FMD: Good aspen regen a-stocking- but kinda spindly quaking
	Black Cherry	2	Sapling	4							aspen.
114	4310 - Pi	ne, Oak Mi	x S	awtimb	er Well	76.3	93	111-140	N/A		2022: Patchy wp saplings in understory with oak seedlings. Oak is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mostly low quality and wolfy. Good stocking of mixed sixes and species in north part of stand. May be best to let this grow in and consider final
	White Oak	20	Log	16	93		hite Pine	Medium	5 - 10 feet	Sapling	harvest and plant or thinning next entry. Would be hard to get the large
	Red Pine	28	Log	12	93	W	hite Oak	Medium	< 5 feet	Seeding	wolfy oak out without damaging stand excessively. South part of stand
	Red Oak	25	Log	16	93	R	ed Oak	Low	< 5 feet	Seeding	has larger diameters and lower stocking and is ready to harvest. Shou hold until the rest of the stand grows in. May want to seed tree. Strip of
	Bigtooth Aspen	2	Log	12	93					1	east side would be easy to cut and plant but most of the stand may hav
	Jack Pine	2	Log	12	93						too much advanced oak regen to plant. May want to leave pine 6" or
	White Pine	20	Log/Pole	10	93						less. Some older legacy pine. Some decent formed oak could be retained . Stocking is variable. 2003FMD: W607R7W7. WLD: W6 w/
	Red Maple	3	Pole	6							mix of pr/O/aspen/rm. Heavy to wp saps/poles and occasional saw logs
											Leave snags and scattered oak and pine sawlogs as leave trees. 2013FMD PI stands 106 and 97 were hooked in O/I. This stand was no harvested during last sale. Uncut unit? Mixed ages and sizes of pine and oak. Some large old pine and oak scattered around. It may be we to let this stand develop further before thinning. It is pretty complicated at this time with the mixed up ages and all the white pine saps and poles. Large sized pine and oak was marked in last treatment but not harvested. A lot of the white pine understory has been bent down by th snow, South part has lower stocking 90-120 and some jack pine and aspen. A good bit of the jack pine has died. All that was marked in las sale was the large legacy pine and oak. The oak is large wolfy poor formed trees and there seems to be a lot of porkie damage. Let this stand grow in for now.
115		wland Aspe			Medium		85	51-80	N/A	0'	2022: Wet aswpen/rm/tag alder mix. Too wet to manage. Beaver ☐ activity. 2013 FMD Black ash. A good bit of mortality from EAB. May
	Canopy Species		Size Class Pole	DBH	Age		nopy Species		Avg. Height	Size Tall Shrub	convert to lowland brush by next inventory.
	Red Maple	20		-	95	la	ag Alder	High	5 - 10 feet	raii Shrub	1
	Bigtooth Aspen	80	Log/Pole	10	85						

Report 7 – Stands

Stand	Level 4 Co	over Type	5	Size De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
116	42110 - Plar Canopy Species Jack Pine Red Pine		Pine Size Class Sapling Sapling	Sapling DBH	A Poor	36.8	3	Immature	N/A		 2022: Some loss of planted red pine. Very Droughty summer. May want to do regen survey 2022 instead of waiting. 11/9/2021 - Year 1 regeneration survey completed. Stand has approximately 980 trees per acre. Stand is free to grow at this time no herbicide treatment is currently recommended. Check stand for year 3 regeneration survey is also recommended. 2021: stand planted with containerized red pine after herbicide treatment. 2018: Roller chopped and trenched after harvest. Herbicide in 2019. Site Prep spray with skidder. plant the following year or when trees available. 2003FMD: M4W4M1 Scattered pockets of planted R2 1989. 2013FMD: PI stands 108 and 124 were hooked in O/l. Maybe stand 124 was planted and st 108 not? 2013FMD: This stand was not planted except for a strip along the north-south road. Scattered red maple poles/logs and widely spaced red pine logs with a low stocking of grown in jp, wp, bc saplings. Called both ages in canopy. Would be desirable to chip harvest and replant this stand. May not be enough volume to sell but may be able to make it attractive with pricing. May need to follow up with herbicide to supress cherry and red maple. Keep sca61059-16. ttered rp and oak for retention. This area is not attractive to manage as barrens. Does not have species make-up. Oak regen in pockets that is getting broused badly. 2018 TS# 059-15. Harvested winter 17-18. Trenched 2018. Should be planted spring 2019.
117	6229 - Mixed	lowland sl	hrub	Nonsto	ocked	47.9		Unspecified	No		2022: Very wet. Beaver activity.
117 118	6229 - Mixed 4319 - Mixed				ocked	47.9 36.0	36	Unspecified 51-80	No N/A		2022: Low quality rm and wp stand with scattered oak. Variable stocking.
		Upland Fo		oletimb		36.0		51-80		Size	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the
	4319 - Mixed	Upland Fo	prest P	oletimb	oer Well	36.0 Sub-Car	36	51-80	N/A	Size Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in
	4319 - Mixed Canopy Species	Upland Fo	orest Pe	oletimb DBH 12 8	ber Well I Age 71 36	36.0 Sub-Car Re	36 hopy Species	51-80 s Density	N/A Avg. Height		2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4
	4319 - Mixed Canopy Species Red Pine	Upland For Cover 5 40 5	brest Provide	oletimb DBH	oer Well I Age 71	36.0 Sub-Car Re Blac	36 hopy Species ed Oak	51-80 s Density Low	N/A Avg. Height 5 - 10 feet	Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an
	4319 - Mixed Canopy Species Red Pine White Pine	Upland Fo	r Size Class Log/Pole Pole	Detimb DBH 12 8 5 14	Age 71 36 36	36.0 Sub-Car Re Blac Wh	36 nopy Species ed Oak k Cherry	51-80 5 Density Low Low	N/A Avg. Height 5 - 10 feet < 5 feet	Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP
	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine	Upland For Cover 5 40 5	orest Point Size Class Log/Pole Pole Pole/Sapling	DBH 12 8 5	ber Well I Age 71 36	36.0 Sub-Car Re Blac Wh	36 nopy Species ed Oak k Cherry ite Oak	51-80 s Density Low Low Medium	N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN
	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Red Oak	Upland Fo	Dorest Poil Size Class Description Log/Pole Pole Pole/Sapling Log	Detimb DBH 12 8 5 14	Age 71 36 36	36.0 Sub-Car Re Blac Wh	36 nopy Species ed Oak k Cherry ite Oak	51-80 s Density Low Low Medium	N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Red Oak Red Maple	Upland Fo	Direst Poil Size Class Image: Class Log/Pole Image: Class Pole/Sapling Image: Class Log Image: Class Pole/Log Image: Class	Detimb DBH 12 8 5 14 8	Age 71 36 36	36.0 Sub-Car Re Blac Wh	36 nopy Species ed Oak k Cherry ite Oak	51-80 s Density Low Low Medium	N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Acd Oak Red Oak Red Maple White Oak Bigtooth Aspen	Upland Fo Cover 5 40 5 5 25 10	orest Parison	Deletime DBH 12 8 5 14 8 12 4	Age 71 36 36 773	36.0 Sub-Car Re Blac Wh	36 nopy Species ed Oak k Cherry ite Oak	51-80 s Density Low Low Medium	N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS. 2003FMD: 08 POG WLD 08 w/ understory of O/A/RM/WP poles and
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Acd Oak Red Oak Red Maple White Oak Bigtooth Aspen	Upland Fo	orest Parison	Detimb DBH 12 8 5 14 8 12 4 24 24	Age 71 36 36 73 36 36	36.0 Sub-Car Re Blac Wh Wh 23.5	36 hopy Species ad Oak k Cherry ite Oak ite Pine	51-80 S Density Low Medium Low 111-140	N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet < 5 feet	Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS.
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Jack Pine Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pir	Upland Fo	orest Poisson	Detimb DBH 12 8 5 14 8 12 4 24 24	ber Well 1 Age 71 36 36 73 36 36 20 20 20 20 20 20 20 20 20 20	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ad Oak k Cherry iite Oak iite Pine 103	51-80 S Density Low Medium Low 111-140	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet < 5 feet N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS. 2003FMD: 08 POG WLD 08 w/ understory of O/A/RM/WP poles and
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Acd Oak Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pir Canopy Species	Upland Fo % Cover 5 40 5 25 25 10 10 he, Oak Mi % Cover	Direst Poil Size Class Log/Pole Pole/Sapling Log Pole/Log Dole/Log Sapling/Pole X Sapling	Deletimb DBH 12 8 5 14 8 12 4 24 24 20 20 20 20 20 20 20 20 20 20	ber Well 1 Age 71 36 36 73 36 9 9 9 9 9 9 9 9 9 9 9 9 9	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ed Oak k Cherry iite Oak iite Pine 103 nopy Species	51-80 s Density Low Medium Low 111-140 s Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet × 5 feet N/A N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS.
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Jack Pine Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pin Canopy Species White Pine	Upland Fo % Cover 5 40 5 25 25 10 10 10 me, Oak Mi % Cover 15	orest Point	oletimb DBH 12 8 5 14 8 12 4 24 awtimb DBH 16	ber Well 1 Age 71 36 36 73 36 73 36 wer Well 1 Age 103	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ed Oak k Cherry iite Oak iite Pine 103 nopy Species	51-80 s Density Low Medium Low 111-140 s Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet × 5 feet N/A N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS.
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Jack Pine Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pin Canopy Species White Pine Red Pine	Upland Fo % Cover 5 40 5 25 10 10 10 me, Oak Mi % Cover 15 30	orest Parison Polest Polest Polest Pole Pole Pole Pole Pole/Log Pole/Log Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Sapling/Pole Pole Pole Pole Pole Pole Pole Pole	oletimb DBH 12 8 5 14 8 12 4 12 4 2 4 2 4 2 12 14 12 14 8 12 14 8 12 14 8 12 14 12 12 12 12 12 12 12 12 12 12	ber Well 1 Age 71 36 36 73 36 73 36 wer Well 1 Age 103	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ed Oak k Cherry iite Oak iite Pine 103 nopy Species	51-80 s Density Low Medium Low 111-140 s Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet × 5 feet N/A N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS. 2003FMD: 08 POG WLD 08 w/ understory of O/A/RM/WP poles and saps and juneberry. 2013 FMD: This stand split off -slopes along drain. Large pine and oak along slope with some birch, aspen and
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pin Canopy Species White Pine Red Pine Hemlock	Upland Fo % Cover 5 40 5 25 25 10 10 me, Oak Mi % Cover 15 30 2	orest Parison	Deletimb DBH 12 8 5 14 8 12 4 awtimb DBH 16 15 8	ber Well 1 Age 71 36 36 73 36 73 36 wer Well 1 Age 103	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ed Oak k Cherry iite Oak iite Pine 103 nopy Species	51-80 s Density Low Medium Low 111-140 s Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet × 5 feet N/A N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS.
118	4319 - Mixed Canopy Species Red Pine White Pine Jack Pine Red Oak Red Oak Red Maple White Oak Bigtooth Aspen 4310 - Pin Canopy Species White Pine Red Pine Hemlock Red Maple	Upland Fo	orest P Size Class Log/Pole Pole/Sapling Log Pole/Log Sapling/Pole x Size Class Size Class Log Log Pole/Log	Deletimb DBH 12 8 5 14 8 12 4 8 12 4 8 12 4 8 12 4 12 4 12 4 12 4 12 13 16 15 8 9	ber Well 1 Age 71 36 36 73 36 73 36 103 103 103	36.0 Sub-Car Re Blac Wh Wh 23.5 Sub-Car	36 nopy Species ed Oak k Cherry iite Oak iite Pine 103 nopy Species	51-80 s Density Low Medium Low 111-140 s Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet × 5 feet N/A N/A	Sapling Sapling Sapling Sapling	2022: Low quality rm and wp stand with scattered oak. Variable stocking. Areas in stand have heavy WO saplings but other areas are open in the understory. Higher residual stocking along road. Quad trails through stand from private. Aspen looks scraggly. Little white pine in understory. 2003FMD: north part A2M4W4W2 age 26. south part M4 age 29 Hard to see stand break on inventory. There does seem to be an aspen clone in the middle. North part TS# 017-87. TCR 05-89. Cut all merchantable but green marked retention. 2013FMD; MIXED UP SPECIES AND AGES. RETAINED SOME RP WP OAK AND RM IN LAST SALE. GAPS FILLING WITH WP AND ASPEN. ALSO SOME PLANTED RP AND SOME OPEN AREAS. 2003FMD: 08 POG WLD 08 w/ understory of O/A/RM/WP poles and saps and juneberry. 2013 FMD: This stand split off -slopes along drain. Large pine and oak along slope with some birch, aspen and



Stand	Level 4 C	over Type		Size De	ensity	Acres Stand Age BA Range			Managed S	ite	General Comments		
120	42290 - Natu	ural Mixed	Pine	Poletim	er Well	15.2	42	51-80	N/A		2022: Low quality jack pine and white pine with a little oak and cherry.		
120	Canopy Species		Size Class		I Age		nopy Species	Density	Avg. Height	Size	Southwest corner has some well formed pine. 2003FMD:J1A1W1M1		
	Red Oak	2	Log/Pole	12	70		ck Cherry	Low	< 5 feet	Sapling	Very Patchy TS# 044-83 TCR 8/86. Cut all merchantable but no oak. 2013FMD: Looks like a fair amount of saplings were left at last harvest.		
	Red Maple	10	Log	12	10		ed Maple	Low	< 5 feet	Sapling	Now a two aged stand with 60 yr grown up saplings and new ingrowth @		
	White Pine	25	Log	12	42			LOW	< 0 1001	Oaping	32 yrs. This is a mix of jp wp and aspen. A lot of the Q Aspen is stunted		
	Jack Pine	58	Pole	8	42						and spindly but some has done well. Let stand develop. Call both ages		
	Black Cherry	3	Sapling	4	42						in canopy.		
	Red Pine	2	Log/Pole	12	70								
121	4319 - Mixed	d Upland Fo	prest Po	oletimbe	r Medium	3.9	34	51-80	N/A		2022: WP and RM with a little oak. 2003FMD: M4W4J4J1 ORV Trail run		
121	Canopy Species	•	Size Class		I Age		nopy Species	Density	Avg. Height	Size	through stand. May have some rp planted 1989. Was in origional FTP to		
	Red Maple	30	Pole	8			ed Oak	Low	5 - 10 feet	Sapling	plant. 2013FMD: Stand was harvested with retention of wp oak rm rp. WP JP BC growing in gaps. Used saplings as first age and both ages in		
	Red Oak	5	Log	16			hite Oak	Low	5 - 10 feet	Sapling	canopy call.		
	White Oak	5	Pole	8			nite Pine	Low	5 - 10 feet	Sapling			
	White Pine	50	Pole	6	34	•••		2011	0 101000	oupling			
	Jack Pine	5	Pole	6	34								
	000111110	Ũ	1 0.0	Ŭ	U .								
22	Black Cherry 3105 - Mixed U	5 pland Herb	Sapling	4 Nonst	ocked	2.2	U	nspecified	No				
	3105 - Mixed U	pland Herb	aceous			2.2	U 85	nspecified 81-110	No N/A				
	3105 - Mixed U	pland Herb ed Upland E	aceous	Nonst Sawtimb		10.4		•		Size	2003FMD: A6 POG This stand is inaccessable 2013FMD; surrounded by lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
	3105 - Mixed U 4199 - Other Mixe	pland Herb ed Upland E	aceous Deciduous	Nonst Sawtimb	er Well I Age	10.4 Sub-Ca	85	81-110	N/A	Size Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
	3105 - Mixed U 4199 - Other Mixe Canopy Species	pland Herb ed Upland E % Cover	aceous Deciduous Size Class	Nonst Sawtimb	er Well I Age	10.4 Sub-Ca r Ta	85 nopy Species	81-110 Density	N/A Avg. Height		lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen	pland Herb ed Upland E % Cover 38	aceous Deciduous Size Class Log/Pole	Nonste Sawtimb DBI 14	er Well I Age	10.4 Sub-Ca r Ta	85 nopy Species ag Alder	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine	pland Herb ed Upland E % Cover 38 15	aceous Deciduous Size Class Log/Pole XLog/Log	Nonstr Sawtimt 14 22 10	er Well I Age 85	10.4 Sub-Ca r Ta	85 nopy Species ag Alder	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak	pland Herb ed Upland D % Cover 38 15 5	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole	Nonstr Sawtimb DBI 14 22 10	er Well I Age 85	10.4 Sub-Ca r Ta	85 nopy Species ag Alder	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
122	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland	pland Herb ed Upland D % Cover 38 15 5 5 5 37	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole	Nonstr Sawtimb 14 22 10 9 8	Age Image: Second system 85 Image: Second system	10.4 Sub-Ca r Ta	85 nopy Species ag Alder	81-110 Density Low	N/A Avg. Height 5 - 10 feet	Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump.		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland	pland Herb ed Upland E % Cover 38 15 5 5 37 Deciduous iferous	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole	Nonsta Sawtimt DBI 14 22 10 3 8 10 Poletimt	Age Image: Second system 85 Image: Second system	10.4 Sub-Ca Ta Wr 15.4	85 nopy Species ag Alder nite Pine	81-110 Density Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Tall Shrub	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con	pland Herb ed Upland E % Cover 38 15 5 5 37 Deciduous iferous	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed	Nonsta Sawtimt DBI 14 22 10 3 8 10 Poletimt	er Well	10.4 Sub-Car Wr 15.4 Sub-Car	85 nopy Species ag Alder nite Pine 85	81-110 Density Low Low 81-110	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A	Tall Shrub Sapling	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con Canopy Species	pland Herb ed Upland E % Cover 38 15 5 5 37 Deciduous iferous % Cover	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed Size Class	Nonsta Sawtimb 14 22 10 3 8 10 Poletimb	er Well	10.4 Sub-Car Wr 15.4 Sub-Car Ba	85 nopy Species ag Alder nite Pine 85 nopy Species	81-110 Density Low Low 81-110 Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height	Tall Shrub Sapling Size	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con Canopy Species White Pine	pland Herb ed Upland E % Cover 38 15 5 5 37 Deciduous iiferous % Cover 5	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed Size Class Log/Pole	Nonste Sawtimb 14 22 10 3 8 10 9 9 9 9 0 10 9 9 0 10 9 9 10 9 10	er Well Age 85 85 85 er Well Age	10.4 Sub-Car Wr 15.4 Sub-Car Ba	85 ag Alder hite Pine 85 nopy Species Ilsam Fir	81-110	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Size Sapling	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con Canopy Species White Pine Balsam Fir	pland Herb ed Upland D % Cover 38 15 5 5 37 Deciduous iferous % Cover 5 15	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed Size Class Log/Pole Pole/Log	Nonsta Sawtimb DBI 14 22 10 3 8 10 Poletimb Poletimb 12 8	er Well 85 85 85 85 9 85 9 85 9 85	10.4 Sub-Car Wr 15.4 Sub-Car Ba	85 ag Alder hite Pine 85 nopy Species Ilsam Fir	81-110	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Size Sapling	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con Canopy Species White Pine Balsam Fir Red Maple	pland Herb ed Upland D % Cover 38 15 5 5 37 Deciduous iferous % Cover 5 15 25 15 25	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed Size Class Log/Pole Pole/Log Pole/Log	Nonsta Sawtimb DBH 14 22 10 9 8 10 9 8 10 Poletimb Poletimb 12 8 8 8	er Well Age 85 85 85 85 85 85 85 85 85	10.4 Sub-Car Wr 15.4 Sub-Car Ba	85 ag Alder hite Pine 85 nopy Species Ilsam Fir	81-110	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Size Sapling	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		
123	3105 - Mixed U 4199 - Other Mixe Canopy Species Bigtooth Aspen White Pine Red Oak Paper Birch Red Maple 6117 - Lowland Con Canopy Species White Pine Balsam Fir Red Maple othern White Cedar	pland Herb ed Upland D % Cover 38 15 5 37 Deciduous inferous % Cover % Cover 5 15 25 15 15 15 15 15 15 15 15 15 1	aceous Deciduous Size Class Log/Pole XLog/Log Log/Pole Pole/Sapling Log/Pole , Mixed Size Class Log/Pole Pole/Log Pole/Log Log/Pole	Nonsta Sawtimb DBI 14 22 10 3 8 10 Poletimb Poletimb 12 8 8 8 8 12	er Well Age 85 85 85 85 85 85 85 85 85 85	10.4 Sub-Car Wr 15.4 Sub-Car Ba	85 ag Alder hite Pine 85 nopy Species Ilsam Fir	81-110	N/A Avg. Height 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Size Sapling	lowland and river. Some bif old wp scattered around. Part of this stand is lower aspen and maple but most is an upland hump. 2013FMD: lowland strip along rivers riparian zone. mix of maple, aspen		

Compartment: 46 Year of Entry: 2025

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Stand	Level 4 C	evel 4 Cover Type Size D			Size Density		Stand Age	BA Range	Managed S	ite	General Comments			
125	330 - Low-	Density Tre	es	Nonsto	ocked	205.2	0	Unspecified	Managed Op	pening	2022: Burned in spring 2022: Burn was successful. Will need re-burn			
						Sub-Ca	nopy Specie	s Density	Avg. Height	Size	soon to continue to develop barres flora. Grasses are expanding but oa and maple sprouts will be persistent . 2018: Outside perimeter of stand			
						R	ed Oak	Low	>20 feet	Log	part of timber sale # 078-15. Partial harvest to prepare site for barrens			
						W	hite Oak	Low	>20 feet	Log	management. TCR 1/18. 2003FMD: A4 WLD A4 w/ scattered wolfy			
							ed Pine	Low	>20 feet	Log	oak, scattered rm/bc/wp/jp. Burn stand to promote oak barrens but do not burn aspen clones. G type had been de-lineated in SW of stand and			
						Red Maple		Low		Log	still has good grass type. 2013FMD: Barrens management area. Large			
						W	hite Pine	Low	>20 feet	Log	crowned old oak with younger age of rp jp rm aspen.			
126	42260 - Natural Pi	ine, Mixed D	Deciduous Po	letimbe	[.] Medium	25.9	73	51-80	N/A		2022: Mix of well stocked and poorly stocked areas. Still has barrens			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	look. Pockets of WO saplings. MIxed wp sizes. Some planted red pine in small strips. Let stand grow in.			
	Red Maple	26	Pole/Sapling	8	73	Blac	ck Cherry	Low	< 5 feet	Sapling	2003FMD: M4W4J4J1 with small scattered pockets of planted R2 1989			
	Red Oak	2	Log/Pole	13		Oa	ak (spp.)	Medium	< 5 feet	Sapling	2013FMD: PI stands 120,136,158,159,137 were all hooked in O/I. M4			
	White Oak	2	Log/Pole	14							age 63. last treatment kept a good bit of log sized red pine and red pine and white pine saps and poles. A few scattered oaks in stand also.			
	White Pine	20	Pole	8	34						Some pockets of oak seedlings but it is getting browsed badly. This is a			
	Red Pine	25	Log/Pole	11	73						stand that could grow in to a neat semi open pine barrens look.			
	Black Cherry	5	Pole/Sapling	7	73									
	Jack Pine	20	Pole	8	34									
127	110 - Low I	ntensity Urb	ban	Nonstocked		9.0		Unspecified	No					
128	42110 - Pla	inted Red P	ine	Sapling	Poor	11.6	3	Immature	N/A		2022: Removed herbicide treatment. Light oak sprouting and a good bit			
	Canopy Species	% Cover	Size Class	DBH	Age						of natural red pine. Some loss of planted red pine after dry summer. 11/9/2021 - Year 1 regeneration survey completed. Stand has			
	White Pine	2	Sapling	1	3						approximately 889 trees per acre. Stand is not free to grow at this time			
	Red Pine	95	Sapling	1	3						herbicide treatment is currently recommended. Check stand for year 3 regeneration survey is also recommended.			
	Jack Pine	2	Sapling	1	3						2021: stand planted with containerized red pine , 2003FMD: R6 2019:			
	Red Oak	1	Sapling	1							Trenched 2018. Herbicide site prep skidder 2019. 2013FMD: Stand is			
										variable but basically mix of rp wp wo and a little ro and rm. Some are are heavier to rp and others have more wo mixed in. WO is older larg crowned trees and there is some older pine scattered around in stand (age 98 estimate) Could harvest a part of this stand and replant rp or would be alright to hold for now. Getting older and growth has slowed 2017: Stand harvested 2017. Trenched roller chopped 2018. Herbicit 2019 if ready. Plant year following herbicide treatment. Retention al ORV trail.				
129	110 - Low I	ntensity Urb	ban	Nonsto	ocked	5.3		Unspecified	No					

Compartmen Year of Entr

nt: 46 ry: 2025	DNR MICHIGAN
ge 75 on we	st and A5
G in accessa	ble.

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
30	4199 - Other Mixe	d Upland D	Deciduous	Poletimb	er Well	14.5	85	81-110	N/A		2003FMD: this PI stand was two O/I stands A6 age 75 on west and A
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	age 42 on east. Both stands liminting factor POG in accessable. 2013FMD; hump surrounded by lowland and river. no access. Lower
No	rthern White Cedar	2	Log	12		Blac	ck Cherry	Low	5 - 10 feet	Sapling	ground on south edge towards river.
	Red Maple	55	Pole/Log	9	85						
	Red Oak	5	Log/Pole	14							
	Bigtooth Aspen	26	Log	14	85						
	Paper Birch	10	Pole/Log	9	85						
	Balsam Fir	2	Pole	8							
31	42110 - Pla	nted Red F	Pine	Poletimb	er Well	27.6	34	81-110	N/A		2022: Stand looks good. Let grow in. 2003FMD: M4W4M1 Scattered
	Canopy Species	% Cover	Size Class	DBH	Age						pockets of planted R2 1989. 2013FMD: PI stands 108 and 124 were hooked in O/I. Maybe stand 124 was planted and st 108 not? This s
	Jack Pine	10	Pole	8	34						was planted throughout. Looks like red pine had a bad start but has
	Red Pine	75	Pole	7	34						been putting on height growth the last 7-8 years. Mixed in with rm an
	Black Cherry	1	Pole	8							oak poles that were left from last harvest and wp/jp saps that have gr in. All counted in canopy.
	Red Maple	5	Pole	7							In. An counted in carlopy.
	Red Oak	2	Pole	7							
	White Oak	2	Pole	7							
	White Pine	5	Pole	5	34						
32	42110 - Pla	nted Red F	Pine	Poletimb	er Well	57.4	34	111-140	N/A		2022: Good height growth in this period. 1-2 stick. 50: crown ratio.
	Canopy Species	% Cover	Size Class	DBH	I Age						2003FMD: R3 area was clear-cut J5 then roller chopped machine plat 1989. Aerial sprayed with round up 1994 for red pine release. 2013F
	Jack Pine	10	Pole	7	34						Red pin had a very bad start. Starting to grow in last 7-8 years. About
	Black Cherry	5	Pole	6							12" tall now.
	Red Pine	85	Pole	6	34						
33	3102	- Grass		Nonsto	ocked	1.6	l	Unspecified	No		Good grass cover
33 35	3102 42210 - Nat		Pine	Nonsto Sawtimb		1.6	84	Unspecified 141-170	No N/A		small pine block- planted but natural look. Keep for species/age
		tural Red P	Pine • Size Class	Sawtimb		1.0		141-170		Size	Ĵ
	42210 - Nat	tural Red P		Sawtimb	er Well	1.0 Sub-Ca	84	141-170	N/A	Size Sapling	small pine block- planted but natural look. Keep for species/age
	42210 - Nat Canopy Species	tural Red P % Cover	Size Class	Sawtimb DBH	er Well	1.0 Sub-Ca	84 nopy Species	141-170 s Density	N/A Avg. Height		small pine block- planted but natural look. Keep for species/age
	42210 - Nat Canopy Species Jack Pine	tural Red P % Cover 8	Size Class	Sawtimb DBH	er Well	1.0 Sub-Ca	84 nopy Species	141-170 s Density	N/A Avg. Height		small pine block- planted but natural look. Keep for species/age
	42210 - Nat Canopy Species Jack Pine Red Maple	tural Red P % Cover 8 5	Size Class Log Log/Pole	Sawtimb DBH 10 12	er Well I Age 84	1.0 Sub-Ca	84 nopy Species	141-170 s Density	N/A Avg. Height		small pine block- planted but natural look. Keep for species/age
	42210 - Nat Canopy Species Jack Pine Red Maple Red Pine	tural Red P % Cover 8 5 70	Size Class Log Log/Pole Log	Sawtimb DBH 10 12 14 14	er Well 84 84	1.0 Sub-Ca	84 nopy Species	141-170 s Density	N/A Avg. Height		small pine block- planted but natural look. Keep for species/age

Stand

137

138

140

Canopy Species Black Cherry Red Maple Red Oak White Oak Quaking Aspen Red Pine Jack Pine White Pine

Canopy Species Jack Pine Sugar Maple Red Maple Black Cherry White Oak Bigtooth Aspen Red Pine White Pine Red Oak

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Traver	rse City Mg	ıt. Unit				Repo	ort 7 – Sta	ands		Compartment: 46 Year of Entry: 2025				
Level 4 C	Cover Type	:	Size De	nsity	Acres	Stand Age B	BA Range Managed Site			General Comments				
4319 - Mixeo	d Upland Fo	orest Po	letimber	r Medium	53.4	37	1-50	N/A		2022: Stand could be harvested and planted. Low density jp, rm, bc.				
opy Species	Cherry 15 Pole 6				s DBH Age		Sub-Ca	Sub-Canopy Species		ow < 5 feet	Size Sapling	Strips of planted red pine in stand. Some scattered large oak. If stand is planted may want to retain some or all of the strips of red pine but		
ck Cherry					Wł	hite Oak	Low	consider diplodia. Keep large scattered oak in stand.						
ed Maple	20	Pole	9		Ja	ick Pine	Medium	< 5 feet	Sapling	2003FMD:M4M2J1W1 Stand was roller chopped and planted in 1989				
ed Oak	2	Log	16		Blac	ck Cherry	Medium	< 5 feet	Sapling	2013FMD: Some patch planted red pine but most is low stocked open grown jp. A good bit of rm poles grown from stump sprouts. Must have				
hite Oak	2	Log/Pole	14		R	ed Oak	Low	< 5 feet	Sapling	been unmerchantable at last harvest or were left as retention. A few				
king Aspen	3	Pole/Sapling	5	37						scattered oak and oak seedlings in areasmost is =badly broused.				
ed Pine	10	Pole	7	37										
ack Pine	38	Pole	8	37										
hite Pine	10	Pole	8											
42290 - Nat	tural Mixed F	Pine S	Sawtimb	er Well	31.4	81	81-110	N/A		2022: Mixed pine and oak on slope with some hardwoods. Some large				
opy Species	% Cover	Size Class	e Class DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	wp scattered in stand. Pine is getting large but keep at this time for diversity. Surrounding parent stand recently planted. Some areas				
ack Pine	1	Pole			Black Cherry		Low	5 - 10 feet	Sapling	heavier to wp and others red pine. 2019: TS# 042-15. Harvest Fall				
gar Maple	2	Pole/Log			Re	d Maple	Low	5 - 10 feet	Sapling	season 2018. Cut most aspen and jack pine and orange marked for crop				
ed Maple	5	Log/Pole	11		Irc	onwood	Medium	< 5 feet	Sapling	tree release. Treatment did not extend all the way down to water as a riparian strip was left untreated as indicated by retention area. 2003FMD				
ck Cherry	1	Log/Pole	11		Bigto	oth Aspen	Medium	5 - 10 feet	Sapling	W6 2011FMD PI stands 64,31,48,55 were all in one O/I stand. W6				
hite Oak	2	Log	12		Wł	nite Pine	Low	5 - 10 feet	Sapling	2013FMD:				
ooth Aspen	1	Log	12	81				<u>.</u>	1	-				
ed Pine	45	Log	13	81										
hite Pine	33	Log	15	81										
ed Oak	10	Log	14											
4113 - R.M	Maple, Conif	er P	Poletimb	er Poor	13.1	73	1-50	N/A		2022: Low quality low stocked stand. Could chip and plant red pine.				
opy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Motorcycle trail. Green-up issues. Could probably hold till next entry. 2003FMD:				
hite Oak	2	Log	13	73	Ja	ick Pine	Low	5 - 10 feet	Sapling	M4W4J4J1 with small scattered pockets of planted R2 1989. 2013FMD:				
hite Pine	10	Pole	6	34	R	ed Pine	Low	5 - 10 feet	Sapling	PI stands 120,136,158,159,137 were all hooked in O/I. M4 age 63. Red				
ed Pine	8	Log	12	73	Wł	hite Oak	Medium	5 - 10 feet	Sapling	maple poles with some scattered red pine logs. Low stocked jp and wp filling in gaps. The stand is poor quality and stocking. Mab be able to				
ack Pine	20	Pole	8	34	R	ed Oak	Low	5 - 10 feet	Sapling	get chipped and re-planted with red pine.				

N/A

Size

Sapling

Sapling

Avg. Height

5 - 10 feet

< 5 feet

4113 - R.I 139 **Canopy Species** White Oak White Pine Red Pine Jack Pine Red Maple 60 Pole/Log 9 73

72.1

34

Sub-Canopy Species

White Oak

Black Cherry

81-110

Density

Low

Low

Poletimber Well

10 71

10 71

6

6

10

DBH Age

34

34

2022: Let stand grow in. 1-2 sticks. 50% crown. Good height growth this entry period. 2003FMD: M4W4J4J1 with small scattered pockets of planted R2 1989. 2013FMD: PI stands 120,136,158,159,137 were all hooked in O/I. M4 age 63. Some areas of older jp and rp age 43-54 than areas with age 24 jp and planted red pine. Some scattered rm and oak poles. Red pine had a bad start but is growing in the las 5-8 years. Looks like it may grow through and keep in stand. A fair amount of damage to the pines from the heavy snow storms 2012.

Canopy Species

Red Maple

Black Cherry

Jack Pine

Red Pine

White Oak

42210 - Natural Red Pine

2

4

30

62

2

% Cover Size Class

Log/Pole

Log/Pole

Pole

Pole

Log/Pole

Report 7 – Stands

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Stand	Level 4 C	over Type	:	Size De	ensity	Acres Stand Ac	ge BA Range	Managed S	ite	General Comments			
141	42290 - Nati	ural Mixed F	Pine Pol	letimbe	r Medium	18.8 38	1-50	N/A		2022: Variable stocking in stand but most is low. Could be harvested and			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	planted to red pine but might hold another rotation. Some wo saps in north end. Motorcycle trail.			
	Jack Pine	58	Pole	7	38	Black Cherry	Low	5 - 10 feet	Sapling	2003FMD: M4W4J4J1 with small scattered pockets of planted R2 1989.			
	Red Pine	15	Pole/Log	9	61	White Oak	Low	5 - 10 feet	Sapling	2013FMD: PI stands 120,136,158,159,137 were all hooked in O/I. M4 age 63. Retained some RP and RM in last sale. Possible a few			
	White Pine	2	Pole	6						scattered oak. Low stocked JP growing in. A little planted RP. Stocking			
	Red Maple	25	Pole/Log	8	61					and quality in this stand in not good although this has better stocking than some of the surrounding stands. Consider chip harvesting this stand and planting red pine.			
142	4113 - R.M	laple, Conif	er P	oletimb	er Poor	27.0 73	1-50	N/A		2022: Low quality stand. Low stocked red maple and jack pine. Chip			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	and plant red pine. 2003FMD: M4W4J4J1 with small scattered pockets of planted R2 1989.			
	Red Maple	60	Pole/Log	9	73	Black Cherry	Low	5 - 10 feet	Sapling	2013FMD: PI stands 120,136,158,159,137 were all hooked in O/I. M4			
	White Pine	10	Pole	6	34	White Oak	Low	< 5 feet	Sapling	age 63. RM poles and scattered RP log trees left for retention last time.			
	Black Cherry	5	Pole/Sapling	6	73	Jack Pine	Low	< 5 feet	Sapling	Low stocking of bushy wp and jp growing in and bc sapling 5-10 feet. Looks like wasted ground. Poor formed trees with low stocking. Try to			
	Red Pine	5	Log/Pole	12	73					get chipped and replanted with red pine. PI stand 120 and 108 are			
	Jack Pine	20	Pole	8	34					similar. Maybe a sale can be put together.			
143	42210 - Na	tural Red P	ine S	Sawtimb	er Well	2.7 84	111-140	N/A		2022: Red pine is getting large. small pine block- planted but natural look. Keep for species/age diversity. Wintering cover near river corridor.			
	Canopy Species	% Cover	Size Class		I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	Now. Reep for species/age diversity. Williening cover near river conduct.			
	Red Maple	5	Log/Pole	12		Red Maple	Low	5 - 10 feet	Sapling				
	Red Oak	5	Log/Pole	14									
	White Oak	3	Pole	6									
	Jack Pine	1	Log	10	84								
	White Pine	2	Pole	8	84								
	Red Pine	84	Log	16	84								
144	3302 - Low Der	nsity Conife	r Trees	Nonsto	ocked	1.9	Unspecified	No					
145	42110 - Pla	nted Red P	ine P		er Well	89.0 34	81-110	N/A		2022: Stocking is variable. 1-2 stick trees. Good height growth in last decade. Strip through center is mainly jp and cherry. Un-planted. May			
140		% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	have been left for WLD. 2003FMD: M2M4J1 with small pockets of			
145	Canopy Species									have been left for WLD. 2003FMD: M2M4J1 with small pockets of			
140	Canopy Species Black Cherry	5	Sapling	4		Black Cherry	High	5 - 10 feet	Sapling	planted R2 Stand has an FTP for red pine planting. Some rp has			
143			Sapling Sapling			Black Cherry	High	5 - 10 feet	Sapling	already been planted in a small areas. Stand was roller chopped and			
143	Black Cherry	5		4	34	Black Cherry	High	5 - 10 feet	Sapling				

Report 7 – Stands



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Stand	Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age E	BA Range	Managed S	lite	General Comments			
146	42290 - Nat	ural Mixed	Pine Po	oletim	er Well	8.9	64	1-50	N/A		Strip between jack pine road and gasline			
	Canopy Species	% Cove	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
	Red Maple	15	Pole/Sapling	6		W	nite Pine	Low	5 - 10 feet	Sapling				
	Jack Pine	55	Pole	7	64	Re	d Maple	Low	5 - 10 feet	Sapling				
	Red Oak	5	Log/Pole	12										
	White Oak	5	Log	12										
	White Pine	20	Pole/Sapling	7	64									
147	790 - Other Bare/Sparsely Vegetated Nonstocked						ι	Jnspecified	No					
148	42110 - Pla	inted Red F	Pine S	Saplin	g Poor	6.6	8	Immature	N/A		2022: considerable die-back and mortality in red pine over the summer.			
	Canopy Species	% Cove	Size Class	DBH	I Age						Was fine in the spring. Seems to be drought stress. 2018. Regen survey found planted red pine healthy and FTG. Return to general			
	Red Pine	80	Sapling	1	8						inventory. Planted 2015 red pine 2013: Consider planting red pine or			
	Jack Pine	10	Sapling	1							jack pine in this stand.			
	Red Maple	10	Sapling	1										
149					er Well	33.5	34	51-80	N/A		2022: Variable stocking and patchy. Decent growth on red pine in last decade. 2013: Red pine planted in this stand is starting to grow but had			
	Canopy Species % Cover Size Class		Size Class	DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	rough start. Shallow valley through stand has acted as a frost drain an			
	Jack Pine	33	Pole	8	34	Ja	ick Pine	Low	< 5 feet	Sapling	affected red pine in this area.			
	Black Cherry	5	Pole	6		Bla	ck Cherry	Medium	< 5 feet	Sapling				
	Red Pine	60	Pole	6	34	Didok Chony								
	White Pine	2	Pole	6										
150	4129 -	Mixed Oak	Sa	awtimt	er Well	24.9	103	81-110	N/A		2022: Oak wilt ? issue in east side of stand. Large oak scattered			
	Canopy Species	% Cove	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	through with poles of aspen, oak, white pine, red maple growing through Grown in barrens look. This area could be cut back to barrens look at			
	Bigtooth Aspen	15	Pole	7	36	R	ed Oak	Low	< 5 feet	Tall Shrub				
	White Pine	3	Log/Pole	14		W	hite Oak	Medium	< 5 feet	Seeding	of early succession when harvested. Keep the large oak component.			
	Red Maple	20	Pole	6	36	W	nite Pine	Medium	>20 feet	Sapling	Let stand develop at this time. 2018: This stand was excluded from the area to the south that was harvested to restore oak barrens. This stand			
	White Oak	25	XLog/Log/Pole	18	103			I		1	had the rm and aspen harvested in an earlier entry and the new			
	Red Oak	35	XLog/Log/Pole	18	103						understory growth was no merchantable at the time of that 2018 harvest			
	Red Pine	2	Log	14	103						At some point this stand could be cut back to barrens spacing and adde to burn area. 2003FMD: O8 POG WLD O8 w/ understory of O/A/RM/W			
											poles and saps and juneberry.			
	42110 - Planted Red Pine Poletimber Mediur				r Medium	n 8.4	34	51-80	N/A		2022: Decent height growth through last decade. Stocking is variable.			
151			Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	2003FMD: R2 Roller chopped and Planted spring 1989 2013FMD: Pl stands 144 145 147and 153 were same stand in O/I. Split due to			
151	Canopy Species	% Cove	Size Class											
151	Canopy Species Jack Pine	% Covei 10	Pole	7	34	W	hite Oak	Low	< 5 feet	Sapling	mapping rules and image difference for stand 145. 2013FMD: merg			
151							hite Oak ck Cherry	Low Low	< 5 feet 5 - 10 feet	Sapling Sapling	mapping rules and image difference for stand 145. 2013FMD: merged stand on the sout edge of this stand that was previously non-forested. I has grown in jp bc and oak. South part is not the planted rp. The rest o			

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
152	3102	- Grass		Nonst	ocked	3.3		Unspecified	No		Grass covering on old well pad
153	3303 - Mixed L	ow Density	Trees	Nonst	ocked	2.3		Unspecified	No		Low density jack pine and cherry.
154	42110 - Pla	nted Red P	ine	Poletimb	er Well	25.1	34	81-110	N/A		2022: Mix of planted red pine and natural jack pine. Stocking is variable.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Decent height growth the last decade. 2003FMD: R3 stand was roller chopped and planted in 1989. 2013FMD: planted red pine had a slow
	Red Pine	70	Pole	6	34	Bla	ck Cherry	Low	5 - 10 feet	Sapling	start but has been growing the las 6-7 years. Mixed with bc and jp.
	Jack Pine	25	Pole	7	34						_
	Black Cherry	5	Sapling/Pol	e 4							
155	42110 - Pla	nted Red P	ine	Poletimb	oer Well	22.4	34	81-110	N/A		2022: Decent growth on red pine in last decade. Stocking is variable. 1-
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Let stand develop. 2003FMD: R2 Roller chopped and planted spring
	Red Maple	2	Pole	8		Bla	ck Cherry	High	5 - 10 feet	Sapling	1989 2013FMD: PI stands 144 145 147 and 153 were same stand in O/I.
	Black Cherry	5	Pole	6							Split due to mapping rules and image difference for stand 145 2013FMD: planted rp with jp bc. Some scattered rm and bc poles scattered
	Red Pine	63	Pole	7	34						around.
	Jack Pine	30	Pole	8	34						
156	42141 - Planted Dec	Mixed Pine iduous	, Mixed	Sapling		68.7	8	Immature	N/A		2022: Considerable dieback in red pine with mortality and dieback. Many with dead leaders. Seems to be drought related. Light diplodia detected but net the genue of such a lease 102 75% of the true offected.
	Canopy Species	% Cover	Size Class	DBH	I Age						but not the cause of such a loss. 30-75% of the trees affected throughout the stand. Scattered oak and red pine retention from previous
	Black Cherry	20	Sapling	1							treatment. Stand had pockets of jack pine saplings when it was planted.
	Red Pine	39	Sapling	1	8						Stand now has more jack pine than red pine after die back but not fully
	Jack Pine	40	Sapling	2	8						stocked. Will develop into a low stocked pine mix with cherry. Some pockets with
	White Oak	1	Sapling	1							fully stocked red pine retention.
											2021: Dropped herbicide release treatment. Consider pre-commercial thinning in future. 2018: regen survey- good pine survival but woody competition from cherry mainly. Recommend release spray. 2011FMD: J1 Retain some red pine for visual. TS 053-07. TCR 6/08. Cut to 2" dbh except leave all rp 9.5" or less dbh. Note 2011 data year. Was J5 with scattered rp/bc 2013FMD: PI stands 146/154 were hooked in O/I Split due to mapping rules. 2013FMD; Residual rp and oak counted as canopy. Residual red pine is thicker in areas. A decent amoung of jack pine seedling and a good bit of cherry brush. No red pine seeding in.

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Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
158	4311 - Pin	x	Sawtimber Well		8.9	82	141-170	N/A		2022: Stand would go to aspen /rm if harvested. Could leave some pine	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and oak seed trees and harvest to regenerate. Split off stand 16. 2022: Stand is mostly on slopes and may be part of floodplain of river. Some of
	Paper Birch	1	Log	12		Wh	nite Pine	Low	5 - 10 feet	Sapling	this stand could be harvested that is away from river.
	Red Maple	20	Pole	8							
	Red Pine	28	Log/Pole	10	82						
	White Pine	26	Pole/Log	9	82						
	Red Oak	1	Log/Pole	10							
	Bigtooth Aspen	24	Log/Pole	11	71						
160	6112 - Lo	wland Asper	n S	awtimbei	Medium	า 6.5	75	1-50	N/A		2022: Access to stand is blocked by private ownership and river. Mixed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	density. Better stocking on higher ground in south.
	Quaking Aspen	70	Pole	7	75	Та	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	10	Log/Pole	10	75	Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	Black Cherry	15	Pole	8							
	White Pine	5	Log/Pole	12							
161	42290 - Nate Canopy Species		ine S Size Class	awtimber DBH	Medium Age		82 nopy Species	81-110 Density	N/A Avg. Height	Size	2022: This stand created after it was excluded from TS# 61-032-18. This stand borders the river and has NCT passing through. Part of stand on west side of Broomhead road was retention area. 2012: Stand borders
	White Oak	10	Pole	8		Wh	nite Pine	Low	10 - 20 feet	Sapling	wild and scenic river. 2013FMD; North Country Trail through stand.
1	Northern Pin Oak	10	Pole	8							Some old legacy red and white pine. Gaps filled in with white pine jack pine red pine aspen. Jack pine is going out. Not too bad yet but starting
	White Pine	30	Log/Pole	12	82						
	Jack Pine	20	Pole								to die and some areas damaged by heavy snows in 2012. Fish Div ma
	Ded Dire			8							not want aspen cut in this stand but the jack pine should be harvested.
	Red Pine	30	Log/Pole	8	82						not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in
	Rea Pine	30	Log/Pole		82						not want aspen cut in this stand but the jack pine should be harvested.
163				12		n 3.9	82	111-140	N/A		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163		ine, Mixed D		12 awtimber			82 nopy Species	111-140 Density	N/A Avg. Height	Size	not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking.
163	42260 - Natural Pi	ine, Mixed D	eciduous S	12 awtimber	Medium	Sub-Ca				Size Sapling	not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163	42260 - Natural Pi Canopy Species	ine, Mixed Do % Cover	eciduous S Size Class	12 awtimber DBH	Medium	Sub-Ca	nopy Species	Density	Avg. Height		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163	42260 - Natural Pi Canopy Species Bigtooth Aspen	ine, Mixed Do % Cover 10	eciduous S Size Class Log	awtimber DBH	Medium	Sub-Ca	nopy Species	Density	Avg. Height		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163	42260 - Natural Pi Canopy Species Bigtooth Aspen Red Pine	ine, Mixed Do % Cover 10 20	eciduous S Size Class Log Log/Pole	awtimber DBH 12 12	Medium	Sub-Ca	nopy Species	Density	Avg. Height		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163	42260 - Natural Pi Canopy Species Bigtooth Aspen Red Pine White Oak	ine, Mixed Do % Cover 10 20 2	eciduous S Size Class Log Log/Pole Log	awtimber DBH 12 11 11	Medium	Sub-Ca	nopy Species	Density	Avg. Height		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland
163	42260 - Natural Pi Canopy Species Bigtooth Aspen Red Pine White Oak Red Oak	ine, Mixed Do % Cover 10 20 2 3	eciduous S Size Class Log Log/Pole Log Log/Pole	awtimber 12 DBH 12 11 11 11 12	Medium Age	Sub-Ca	nopy Species	Density	Avg. Height		not want aspen cut in this stand but the jack pine should be harvested. Stay north of the second levee along river. Jack pine is pretty heavy in ne part of stand. Some areas are more mixed pine. Could try to manage this stand along river for old large white and red pine but jp would likely regenerate in the areas with heavy jp stocking. 2022: Piece cut off of harvested stand 16. Fragments of mixed upland