

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42008 Entry Year 2021 Acreage: 1,975 County Luce Management Area: Deer Park

Revision Date: 2019-08-28

Stand Examiner: Matt Payment

Legal Description:

T49N R12W Section(s) 24,25,35,36 T48N R12W Section 1

Identified Planning Goals:

To maintain forest health, diversity and sustainability while considering wildlife, fisheries, recreation and environmental needs and concerns.

Soil and topography:

Level to slightly rolling Rubicon sands on uplands, with Spot/Finch, Paquin and Markey on lower grounds.

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

Predominately State-owned lands with Forestland Fund and Nature Conservancy lands within sections 35,36. Surrounding lands are primarily State-owned.

Unique Natural Features:

Potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher plant, and panicled screwstem in bogs and open wetlands. Potential for red-shouldered hawk, goshawk, merlin, great blue heron rookery, eagle, and osprey. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas.

Archeological, Historical, and Cultural Features:

Old CCC plantations, planted from 1934 - 1939.

Special Management Designations or Considerations:

Stands adjacent to and along the North Branch of the Two-Hearted River have been proposed for biodiversity stewardship.

Watershed and Fisheries Considerations:

Fisheries Values: Excellent

The North Branch Two-Hearted River flows just to the south of the main portion of this compartment. Included in the Natural River Plan, this tributary already has appropriate protections in place for any proposed treatments in stands located in the management zones. In addition to the Two-Hearted River, this compartment contains Tank Lake. This 30-acre lake is actively managed for splake and continues to produce large splake. Bennett Lake is also located in this compartment; however, is unmanaged and has no known fishery.

Wildlife Habitat Considerations:

Compartment 8 lies in the far northern portion of Luce County and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and lies within the Deer Park Management Area with American marten, Kirtland's warbler, and red crossbill as featured species. The North Branch of the Two-Hearted River lies along the southern border of the compartment and there are a few small lakes within the compartment. Habitat types are dominated by jack, red, and white pine with a few mature hardwood stands in the northern and southern portions of the compartment. Species diversity of pine stands is generally low but is enhanced by the presence of occasional spruce, hemlock, oak, birch and other hardwoods.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural diversity as possible in managed stands will be important to achieving wildlife objectives. For example, retaining soft and hard mast producing species in harvested stands will help provide food sources, nest and den trees, and improve structural diversity. Leaving understory spruce and hemlock when it occurs will likewise improve structural diversity of stands. Wildlife species potentially using this compartment include white-tailed deer, black bear, coyote, bobcat, fisher, marten, and otter.

Mineral Resource and Development Concerns and/or Restrictions

Sections 1-2, T48N-R12W and Section 19, T49N-R11W and sections 24-25 & 35-36, T49N-R12W, Luce County The nearest active sand/gravel pit is located seven miles to the east, but there might be some potential for sand within the compartment. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

County Roads 416 and 433 run through the compartment and are maintained by the Luce County Road Commission. Continuing R.O.W. expansion is planned/on-going. All other roads within are primarily sand two-tracks and receive little to no maintenance.

Survey Needs:

Section 36 SE 1/4

Recreational Facilities and Opportunities:

The Pine Ridge ORV trail runs through the compartment. County Road 416 serves as a snowmobile trail (Trail #8) during the winter months. Opportunities for blueberry picking, hiking, hunting and fishing.

Fire Protection:

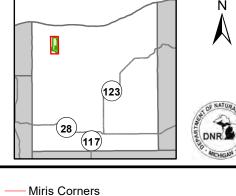
This compartment is part of the Two Hearted Zone Dispatch Plan which is in the Newberry Field Office Fire Protection Area. The potential for large fire runs is good because of continuous Pine cover types and long response times. Heavy equipment access in this compartment is good throughout the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas

Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system Cover Type & Treatments Map Compartment: 8 T49N, R12W, Sec. 24, 25, 35, 36 T49N, R11W, Sec. 19 T48N, R12W, Sec. 1 County: Luce Unit: Newberry Mgmt Area: Deer Park YOE: 2021 Acres: 1,975 GIS Calculated Examiner: Matt Payment Map Revised: 12/19/2019 Map Phase: Post-Review



Remonumented Section Corners

Survey Grade Corners
 Field Grade Corners

Counties

= = DNR - Forest Access Route

- - Federal / State - Dirt / Gravel Road

County - Gravel Road
 County - Dirt Road (Seasonal)

Private - Dirt / Gravel Road

💑 ORV Trails

Snowmobile Trails Designated ATV Designated Snowmobile Trails Intermittent Stream

Island in Lake or River
Lake/Pond

Perennial River

Lakes and Rivers

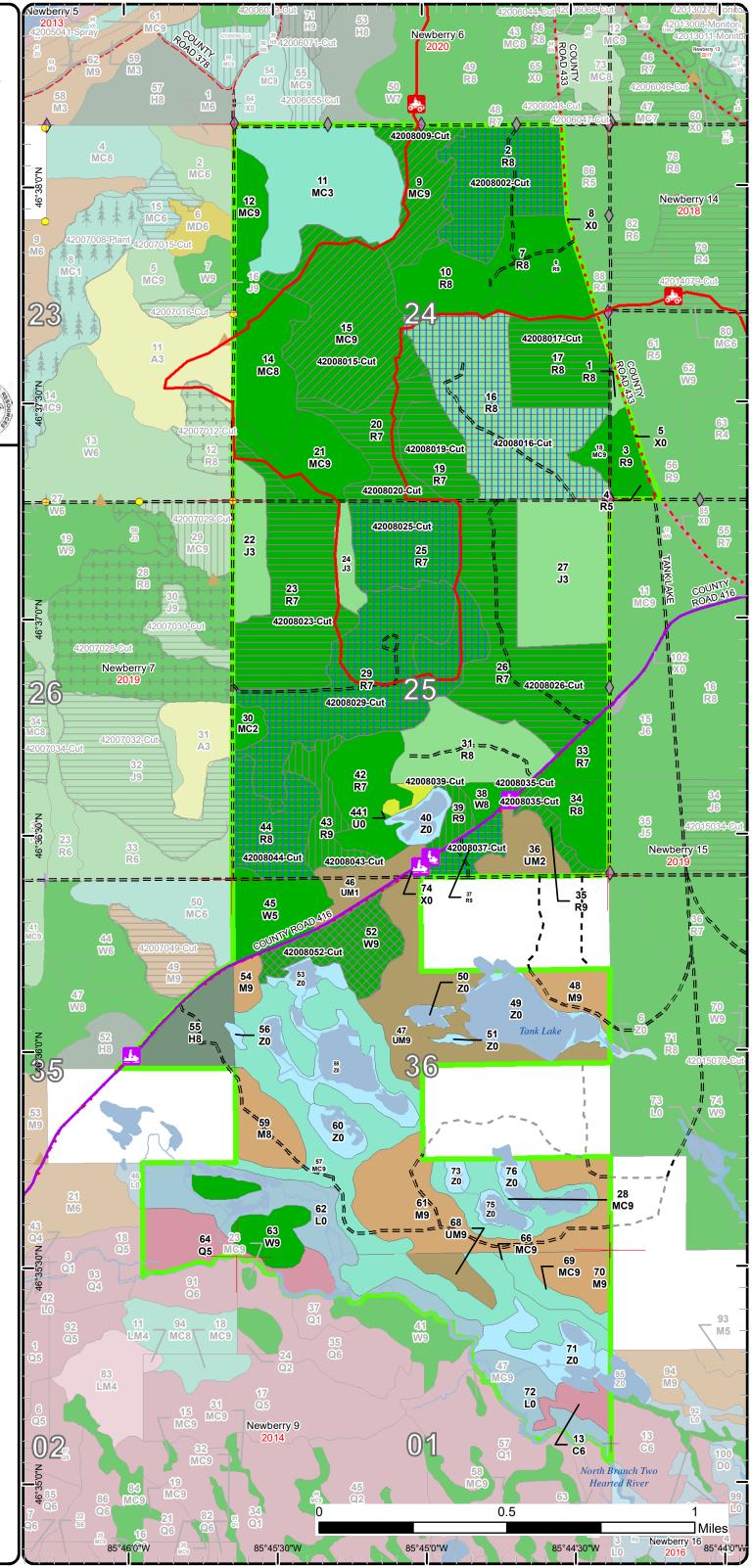
Berms

Compartment Boundary

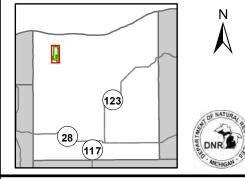
Clearcut (w/Reserves)

- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 Northern Hardwood
- 421 Planted Pines
- 422 Natural Pines
- 423 Other Upland Conifers 429 - Mixed Upland Conifers
- 430 Upland Mixed Forest
- 612 Lowland Coniferous Forest
- 122 Roads/Parking Lot
 - 330 Low Density Trees

500 - Water 622 - Lowland Shrub

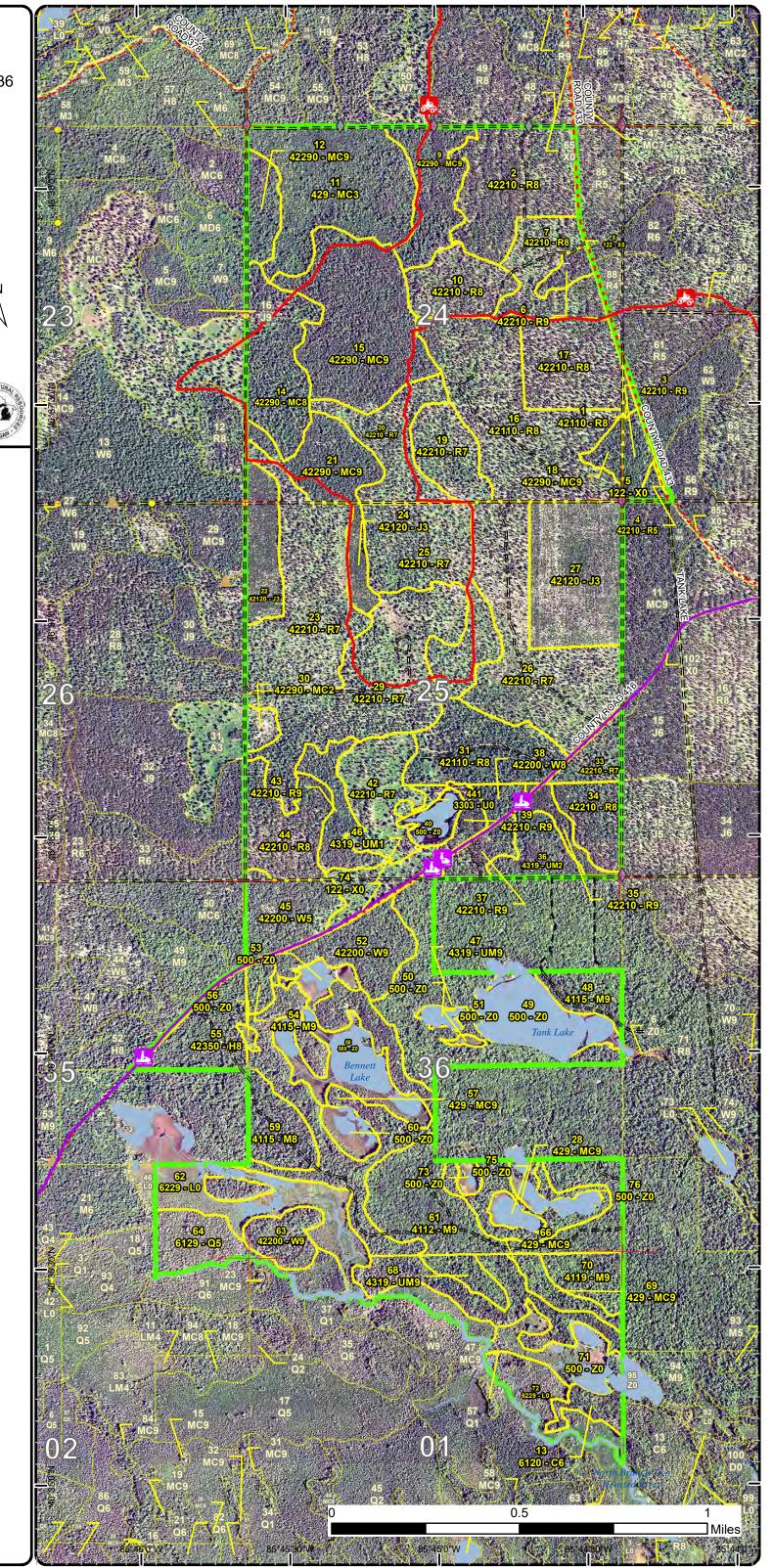


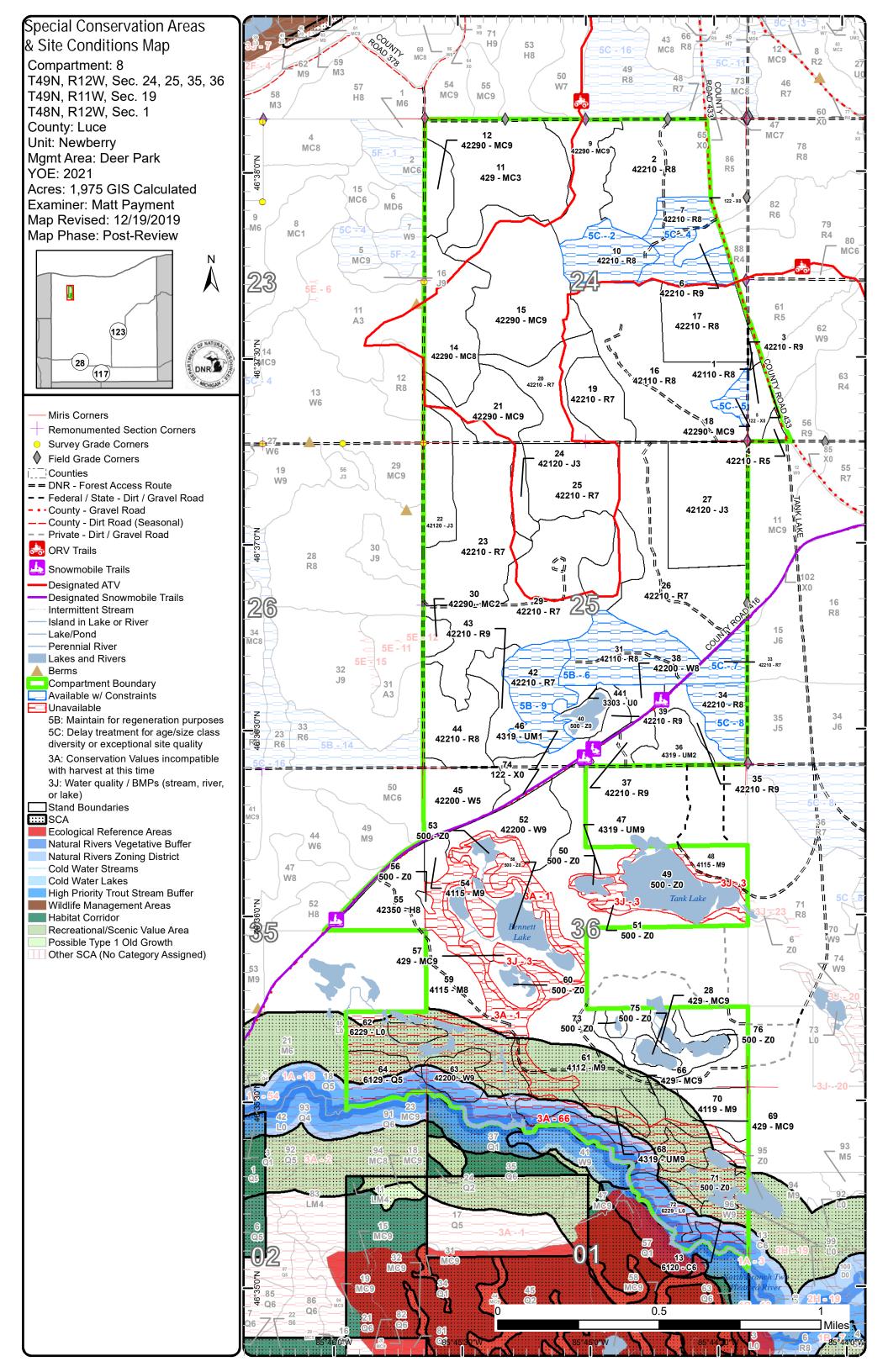
Stand Boundary Map Compartment: 8 T49N, R12W, Sec. 24, 25, 35, 36 T49N, R11W, Sec. 19 T48N, R12W, Sec. 1 County: Luce Unit: Newberry Mgmt Area: Deer Park YOE: 2021 Acres: 1,975 GIS Calculated Examiner: Matt Payment Map Revised: 12/19/2019 Map Phase: Post-Review



Miris Corners **Remonumented Section Corners** Survey Grade Corners Field Grade Corners Counties = = DNR - Forest Access Route - - Federal / State - Dirt / Gravel Road - • - County - Gravel Road --- County - Dirt Road (Seasonal) - - Private - Dirt / Gravel Road 💑 ORV Trails 🚣 Snowmobile Trails Designated ATV Designated Snowmobile Trails Intermittent Stream Island in Lake or River Lake/Pond Perennial River Lakes and Rivers Berms Compartment Boundary Stand Boundaries 411 - Northern Hardwood 421 - Planted Pines 422 - Natural Pines 423 - Other Upland Conifers 429 - Mixed Upland Conifers 430 - Upland Mixed Forest 612 - Lowland Coniferous Forest 122 - Roads/Parking Lot 330 - Low Density Trees 500 - Water

622 - Lowland Shrub





Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Year of Entry 2021



Age Class

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Cedar	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Hemlock	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	28
Jack Pine	0	0	24	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	31
Lowland Shrub	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
Natural Mixed Pines	0	0	6	0	0	0	0	0	0	75	0	88	0	0	0	0	0	47	215
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	109	125
Red Pine	0	0	0	0	0	0	0	0	178	601	34	0	0	0	0	0	0	15	828
Upland Conifers	0	0	0	0	0	77	0	0	0	37	10	0	0	0	0	0	0	100	223
Upland Mixed Forest	0	16	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	70	104
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
White Pine	0	0	0	0	0	0	0	0	28	7	0	0	0	0	0	0	0	52	87
Total	229	16	30	70	18	77	0	0	237	720	82	88	16	0	0	0	0	393	1974



Year of Entry: 2021	Acres of Harvest	Total Compartment Acres: 1,975
	Commercial Harvest - 784	
	Harvests with Site Condition - 0	
	Next Step Harvest - 0	
	Habitat Cut - 0	

Cover Type by Harvest Method

			Contraction of the second	Contraction of the second	to of	and the second	ion ion i	Quinin O	Republication of the second	S. S	5 ⁴⁰ 1,50	A. C.
Natural Mixed Pines		0	0	0	0	0	114	0	0	0	114	
Red Pine		260	0	0	345	27	9	0	0	0	640	
White Pine		0	31	0	0	0	0	0	0	0	31	
	Total	260	31	0	345	27	122	0	0	0	784	

Proposed and Next Step Treatments by Method

	/.	Contraction of the second	a de	Composition of the second	and a start	in o	Nr. Nr.	in the second second	No No	NUSCON LOS	S. S	
Current		784	0	0	0	0	0	0	0	0	784	
Next Step		0	996	518	0	96	826	1070	0	0	3506	
	Total	784	996	518	0	96	826	1070	0	0	4290	

		Newberry	Mgt. Unit		Repor	rt3	Treatments		Compartme	nt: 8	ARTINE ALTON
S t									Year of Ent	'y: 2021	DNR
а			.		. .					_	MICHIGAN
n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Туре	Method	Objective	Structure	Cut

Approved Treatments:

Mixed Pine Well 140 Mixed Pine Prescription Specs: Thin red and white pine 80-100 BA, remove all jack pine. Leave some mature aspen/maple to increase diversity. Leave reteres eastern side of the stand. Leave all hemlock. Normal ATV trail protections. Leave all hemlock. Next Step Treatments: Normal ATV trail protections. Acceptable Regen: Mixed pine species Other Comment: Site Condition Proposed Start Date: 10/1 /2020	ı fails trench	ne	th 42210 - Natural Red Pine	Seed Tree with Retention	Harvest	81-110	83	Sawtimber Medium	42210 - Natural Red Pine	56.7	002-Cut	2 420080
Treatments: Acceptable mixed pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 9 42008009-Cut 32.2 42290 - Natural Sawtimber 93 111- Harvest Crown Thinning 42290 - Natural Two-Mixed Pine Well Prescription Thin red and white pine 80-100 BA, remove all jack pine. Leave some mature aspen/maple to increase diversity. Leave reture astern side of the stand. Specs: eastern side of the stand. Leave all hemlock. Normal ATV trail protections. Next Step. Treatments: Acceptable Mixed pine species Regen: Other Other Comment: Site Condition Proposed Start Date: 10/1 /2020 15 42008015-Cut 81.5 42290 - Natural Sawtimber 104 111- Harvest Crown Thinning 42290 - Natural Two-Mixed Pine Proposed Start Date: 10/1 /2020 110 Harvest Crown Thinning 42290 - Natural Two-Mixed Pine Vell 140 Harvest Crown Thinning 42290 - Natural Two-Mixed Pine Mixed Pine		If scarification fa	Leave all oak. If sca	e regeneration. L	promote red pir	carify to p	d and s	0, Burn stan				-
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d Name CoverType Density Age Range Type Method Objective Structure Court 16 42008016-Cut 91.7 42110 - Planted Sawtimber 75 51-80 Harvest Seed Tree with 42210 - Natural Two-Aged No Prescription Seed tree with retention. Red Pine Medium Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. No Spess. Natural regeneration within stand monitor stand. Possibly scarify to promote new regeneration. Try to protect the regeneration in the stand. Normal ATV trail protections. Next Step. Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Reger Other Commant; Site Condition Proposed Start Date; 10/1 /2020 Virtual 4210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged No Other Commant; Site Condition Proposed Start Date; 10/1 /2020 <t< th=""><th>S t</th><th></th><th>Newb</th><th>erry Mgt. Unit</th><th></th><th>Repo</th><th>rt 3</th><th>Treatments</th><th></th><th>Compartmen Year of Entr</th><th></th><th>DNR OF NATURAL PROBOUNCE</th></t<>	S t		Newb	erry Mgt. Unit		Repo	rt 3	Treatments		Compartmen Year of Entr		DNR OF NATURAL PROBOUNCE
Red Pine Medium Retention Red Pine Prescription States: Sead tree with retention. Reduce BA 10-20 no more. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Natural regeneration within stand monitor stand. Possibly scarify to promote new regeneration. Try to protect the regeneration in the stand. Normal ATV trail protections. Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate) Acceptable: red pine, mixed pine. Regen; Other Condition Proposed Start Date: Proposed Start Date: 1011/2020 17 42008017-Cut 39.8 Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help States: Site Condition Proposed Start Date: 1011/2020 17 42008017-Cut 39.8 42210 - Natural Red Prine Medium Retention should be left along the county road on the east side. This will help States: Site Condition Proposed Start Date: 1011/2020 1 42008017-Cut 24.3	 n		Acres							•••	•	Habitat Cut
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Try to protect the regeneration in the stand. Normal ATV trail protections. Next Step. Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen Treatments: (Intermediate) Acceptable Commant; Site Condition Proposed Start Date; 10/1 /2020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged N Red Pine Medium 5 51-80 Harvest Clearcut with 42110 - Planted Even-Aged N Red Pine Medium 6 10 - Proposed Start Date; 10/1 /2020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged N Red Pine Medium 7 - Planted Line Start Date; 10/1 /2020 17 42008017-Cut Stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help Stass: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. It scarification fails, trench and plant to Red Pine. Next Step. Burn, Understory: SitePrep, Scarification: SitePrep, Trenching; Planting, Initial Plant: Monitoring, Natural Regen (Intermediate); Treatments; Site Condition Proposed Start Date; 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with 42110 - Planted Even-Aged N Red Pine Poor Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. States: Leave Oak if the sists. Leave White Pine and non-Pine in the red Intermediate and plant to Red Pine. Next Step. Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder - Site Pri Treatments; Site Condition Next Step. Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Pri Treatments; Site Condition						more.	Leave Oa	ak if it exists. Le	ave White Pine and	d non-Pine in the r	ed line. If sca	arification
Normal ATV trail protections. Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen Treatments: (Intermediate) Accogntable, red pine, mixed pine. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 17 42008017-Cut 39.6 42210 - Natural Save Condition Proposed Start Date: 10/1 /2020 No. Retention 17 42008017-Cut 39.6 42210 - Natural Save: Feed Prine Medium Retention Regen: Clearcut stand and trench and plant back to red pine. Regention Red Pine Prescription Clearcut stand and number for an on-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step Burn, Understory: Site Prep, Skidder - Site Prep Skidder - Site Prep Accogntable, red pine Regen: Noticing, Natural Regen (Intermediate); Treatments: Poor Poor Retention Site Condition Preposed Start Date: 10/1 /2020 Note Red Pine Note Red Pine Preposed Start Date: 10/1 /2020 Retention Retention in pocket(s) to fac		Nat	ural regen	eration within stan	d monitor stand	. Poss	ibly scarif	y to promote ne	w regeneration.			
Next Step. Monitoring, Natural Regen (Intermediate): SitePrep, Scarification: SitePrep, Trenching: Planting, Initial Plant: Monitoring, Natural Reger Acceptable, red pine, mixed pine. Regen, Other Comment: Site Condition Proposed Start Date: 101/12020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged Nu Prescription Clearcut stand and trench and plant back to red pine. Retention Red Pine Nu Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help Specs: facilitate cultivation operations. Site Prep, Trenching; Planting, Initial Plant; Monitoring, Natural Reger (Intermediate); Treatments: Prescription Clearcut stand and trench and plant back to red pine. Red Pine Next Step Burn, Understory; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Reger (Intermediate); Treatments: Prescription Red Pine Proposed Start Date: 10/1/2020 19 <t< td=""><td></td><td>Try</td><td>to protect</td><td>the regeneration ir</td><td>n the stand.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		Try	to protect	the regeneration ir	n the stand.							
Treatments: (Intermediate) Acceptable red pine, mixed pine. Regen: Other Comment: Site Condition Proposed Start Date: 10/1/2020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged Nr Red Pine Medium 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged Nr Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help Speces: Facilitate cultivation operations. Leave Oak If it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Slep. Burn, Understory: SitePrep, Carification: SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments: Clearcut with 42110 - Planted Even-Aged Nr Acceptable red pine Proposed Start Date: 10/1 / 2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest		Nor	mal ATV t	rail protections.								
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aged No Prescription Clearcut stand and trench and plant back to red pine. Retention Red Pine No Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step Burn, Understory, SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments: Preposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with 42110 - Planted Even-Aged No Rederino Red Pine Poor Retention Rod Pine Rederino Rederino Rederino Rederino Rederino 3-5%. Specs. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. No Rederino					mediate); Site	Prep, S	Scarificatio	on; SitePrep, T	renching; Planting	g, Initial Plant; Mo	onitoring, Nat	ural Regen
Comment: Site Condition Proposed Start Date: 10/1 / 2020 17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with the end of the end and plant back to red pine. Retention should be left along the county road on the east side. This will help Specs: Tescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step Burn, Understory, StePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments; Next Step Burn, Understory, SitePrep, Scarification; SitePrep, Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Acceptable red pine Regen: Clearcut stand and trench and plant back to red pine. Vacanta Red Pine Proposed Start Date: 10/1 / 2020 19 42008019-Cut 24.3 42210 - Natural Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Net Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Pri Tr			pine, mixe	ed pine.								
Proposed Start Date: 10/1 /2020 17 42008017-Cut 39.6 42210 - Natural Red Pine Sawtimber 85 51-80 Harvest Clearcut with Retention 42110 - Planted Red Pine Even-Aged Not Red Pine Not Red Pine Prescription Specs: Clearcut stand and trench and plant back to red pine. Retention should be left along the county read on the east side. This will help Specs: Not Red Pine Next Step Burn, Understory: SitePrep, Scarification: SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments: Peroposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 Ad210 - Natural Red Pine Sawtimber 85 1-50 Harvest Clearcut with 42110 - Planted Even-Aged No Stec.Condition Proposed Start Date: 10/1 /2020 Por Red Pine No Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. No Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs:												
17 42008017-Cut 39.6 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with Retention 42110 - Planted Even-Aged Network Retention Network Retention Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help Specs: Incluste cultivation operations. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step. Burn, Understory; SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments; Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep Acceptable red Pine Regen: Other Comment; Site Condition Proposed Start Date; 10/1 /2020 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Prescription Clearcut with 42110 - Planted Even-Aged Network Red Pine Network Red Pine Prosposed Start Date; 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with 42110 - Planted Even-Aged Network Red Pine Network Red Pine Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White P	<u>Site</u>	<u>Condition</u>										
Red Pine Medium Retention Red Pine Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help facilitate cultivation operations. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step Burn, Understory: SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Treatments; Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep Acceptable red pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Prep Acceptable red pine.	<u>Prop</u>	osed Start D	<u>ate:</u> 10/1	/2020								
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Next Step Burn, Understory; SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Ireatments: Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep Acceptable red pine Regen; Other Comment: Site Condition Proposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with 42110 - Planted Even-Aged Net Presoription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Treach and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Prize Acceptable red pine. Regen; Other Other Comment: Site Condition Site Condition		<u>s:</u> faci	litate cultiv	ation operations.								elp
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with Red Pine 42110 - Planted Even-Aged Not Red Pine Prescription Clearcut stand and trench and plant back to red pine. Retention Red Pine. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Prepratements: Acceptable red pine. Regen: Other Other Comment: Site Condition Site Condition		<u>Step</u> Bur	n, Underst	ory; SitePrep, Sc	arification; Site	ePrep,	Trenching					e);
Comment: Site Condition Proposed Start Date: 10/1 /2020 19 42008019-Cut 24.3 42210 - Natural Sawtimber 85 1-50 Harvest Clearcut with Red Pine 42110 - Planted Even-Aged Net Red Pine Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Pritreatments: Acceptable red pine. Regen: Other Comment: Site Condition			pine									
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19 42008019-Cut 24.3 42210 - Natural Red Pine Sawtimber 85 1-50 Harvest Clearcut with Retention 42110 - Planted Red Pine Even-Aged Not Red Pine Not Red Pine Prescription Specs: Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Pr Acceptable Regen: red pine. Regen: Other Other Site Condition	<u>Site</u>	Condition										
Red Pine Poor Retention Red Pine Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Treatments: Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Presenter Acceptable Regen: red pine. Other Comment: Site Condition	<u>Prop</u>	osed Start D	<u>ate:</u> 10/1	/2020								
Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Next Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Pr Acceptable red pine. Regen: Other Comment: Site Condition	19	42008019-0	Cut 24			r 85	1-50	Harvest			Even-Aged	No
Treatments: Acceptable red pine. Regen: Other Comment: Site Condition												
Regen: Other Comment: Site Condition		<u>Step</u> Mor tments:	nitoring, Ar	tificial Regen(1yr);	; SitePrep, 1	renchi	ng; Plan	ting, Initial Plant	; Pesticide, Aerial	- Release; Pesti	cide, Skidder	- Site Prep
Comment: Site Condition			pine.									
Proposed Start Date: 10/1 /2020	<u>Site</u>	Condition										
	<u>Prop</u>	osed Start D	<u>ate:</u> 10/1	/2020								

Newberry Mgt. Unit **Report 3 -- Treatments Compartment: 8** S Year of Entry: 2021 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Name CoverType Density Age Range Type Objective Structure Cut d 20 42008020-Cut 33.9 42210 - Natural Sawtimber 85 51-80 Harvest Clearcut with 42110 - Planted Even-Aaed No Red Pine Red Pine Poor Retention Prescription Clearcut stand and trench and plant back to red pine. Retention in form of pocket(s) 3-5%, this is in order to facilitate planting operations. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. Normal ATV trail protections. Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release; Pesticide, Skidder - Site Prep Treatments: Acceptable red pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 42008023-Cut 42210 - Natural Clearcut with 42210 - Natural 23 75.9 Sawtimber 85 51-80 Harvest Two-Aged No Red Pine Poor Retention Red Pine Prescription Clearcut stand and site prep spray to kill deciduous regen. Trench and plant back to red pine. Retention pocket(s) 3-5% in order to facilitate cultivation operations. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine. SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(1yr); Next Step Monitoring, Artificial Regen(3yr) Treatments: Acceptable red pine. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020 42290 - Natural 25 42008025-Cut 60.6 42210 - Natural Sawtimber 85 51-80 Harvest Seed Tree with Two-Aged No Red Pine Poor Retention Mixed Pine Prescription Seed tree stand reduce to 10BA, leave retention in pocket(s) form 3-5%. Scarify stand after harvest. Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Next Step Regen(1yr); Pesticide, Skidder - Release; ; Pesticide, Skidder - Site Prep Treatments: Acceptable red pine, component mixed pine. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2020

	S t		Newbe	rry Mgt. Unit		Repo	rt 3 1	Freatments		Compartmen Year of Entr		DNR DNR SS
Red Pine Poor Retention Red Pine Procession Standard Colorated Standard St			Acres								•	Habitat Cut
Space: located. Nax Size: Sile Prep. Trenching: Monitoring, Artificial Regen(1yr): Pesticide, Aerial - Release Comment: Sile Condition Proposed Start Date: 10/1 / 2020 28 4208025-Cut 89.9 42210 - Natural Sawtimber 85.81-110 Harvest Seed Tree with 42290 - Natural Two-Aged No Prescription Seed tree stand to 108A. Scarify stand. Retention in forms of pocket(s) 3-5%. Seace: Image: Comment: Seed Tree with 42290 - Natural Two-Aged No Retention Montoring, Antificial Regen(1yr): Pesticide, Skieder - Site Skieder - Site Skieder - Site Comment: Site Condition Free Trenching: Monitoring, Antificial Regen(1yr): Pesticide, Skieder - Site Skieder - Site No Site Condition Free Prine World Regen(1yr): Pesticide, Skieder - Site No No Site Condition Free Prine World Regen(1yr): Pesticide, Skieder - Site No No Site Condition Free Prine World Regen(1yr): Pesticide, Skieder - Site No No Site Condition Free Prine World Regen(1yr): Pesticide, Skieder - Site No No No No	26	42008026-0	Cut 86.0			r 75	51-80	Harvest			Even-Aged	No
Treatments: the second				trench and plant bac	ck to red pin	e. Rete	ention in tl	ne form of pock	ket(s) 3-5%, put rete	ention where the a	dvanced rege	eneration is
Regen: Other Comment: Site Condition Proposed Start Date: 101/2020 29 42009029-Cut 89.9 42210 - Natural Seed Tree with 42290 - Natural Two-Aged No Prescription: Seed the stand to 10BA. Scartify stand. Retention in forms of pocket(s) 3-5%. Leave Cok if it exists. Leave While Pine and non-Pine in the red line. If scartification fails, trench and plant to Red Pine. No Not Site: SiteProp. Trenching: Monitoring. Natural Regen (1yr): Pesticide, Skidder - Site Prop: Pesticide, Skidder - Site No Comment: Site: Condition Procession Seed Note Start Date: No Site: Condition Procession Seed Note Start Date: No Proposed Start Date: 101 / 2020 Start Date: 101 / 2020 Site: No Red Pine Weil No Maxed Pine No Red Pine Weil No Site: No Red Pine Weil No Mixed Pine No Site: Condition Processite: No Mixed Pine No Mixed Pine No Site: Condition No Re			Prep, Trenc	hing; Monitoring, A	rtificial Reg	en(1yr);	Pesticid	le, Aerial - Rele	ease			
Comment: Site Condition Proposed Start Date: 101 / 2020 9 42000 Secture stand to 10BA. Scarify stand. Relention in forms of pocket(s) 3-5%. Rescription Sect Tree stand to 10BA. Scarify stand. Relention in forms of pocket(s) 3-5%. Rescription SitePrep. Trenching: Monitoring, Natural Regen (Intermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Nov Regen(1)//. Monitoring, Natural Regen (Intermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Receptible mixed pine Regen(1)//. Monitoring, Natural Regen (Intermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Receptible mixed pine Regen(1)//. Monitoring, Natural Regen (Mermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Regen(1)//. Monitoring, Natural Regen (Mermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Regen(1)//. Monitoring, Natural Regen (Mermediate); SitePrep. Scarification fiels, trench and plant to Red Pine. Regen(1)//. Monitoring, Natural Regen (Mermediate); SitePrep. Scarification fiels. Site Condition Processed Start Date: 101 / 2020 Site Prep. Trenching: Savimber 81 81-110 Harvest Crown Thinning 42200 - Natural Two-Aged No Rescription This stard down to 70-40 BA foccusing on re	_		pine									
Proposed Start Date: 101/12020 29 42008029-Cut: 89.9 42210. Natural Sawimber 65 81-110 Harvest Retention Seed Tree with 42290 - Natural Two-Aged No Retention In forms of pocket(s) 3-5%. Seeds: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Non Retention Next Sites SitePrep. Trenching: Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; Planting, Initial Plant, Monitoring, Artificial Regen(3y); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site SitePrep, Trenching: Monitoring, Artificial Regen(3y); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site No Acceptable mixed pine SitePrep, Trenching: Monitoring, Natural Regen (Intermediate); SitePrep; Pesticide, Skidder - Site No Totamment: Site Condition No Retention Mixed Pine No Reserver Site Condition Trot Autor to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. No Site Condition Treatments: Scareptable mixed Pine No Preposed Start Date: 101 / 2020 No No No Acceptable mixed Pine Sawimber & 1 Start Bac No No Reserver Mixed Pine <td></td>												
29 42008029-Cut 89.9 42210 - Natural Red Pine Seed Tree with Poor Harvest Poor Seed Tree with Retention 42290 - Natural Mixed Pine Two-Aged Mixed Pine No Prescription Specs: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. No Next Step Treatments: SilePrep, Trenching, Monitoring, Natural Regen (Intermediate); SilePrep, Scarification; Planting, Initial Plant, Monitoring, Artificial Regen: No Other Comment: SilePrep, Trenching; Monitoring, Natural Regen (Intermediate); SilePrep, Scarification; Planting, Initial Plant, Monitoring, Artificial Regen: No Other Comment: Sile Condition Red Pine No Proposed Start Date: 10/1 /2020 No Mixed Pine No Mext Step Treatments: Red Pine Red Pine No Mixed Pine No Mixed Step Treatments: Invo-Aged Multiplication 81 81-110 Harvest Crown Thinning 42290 - Natural Mixed Pine No Step Condition Proposed Start Date: 10/1 /2020 No Mixed Pine No Step Condition Proposed Start Date: 10/1 /2020 No Mixed Pine No Treatments:<	<u>Site</u>	Condition										
Red Price Poor Retention Mixed Price Prescription Seed tree stand to 10BA. Scarify stand. Retention in forms of pocket(s) 3-5%. Leave Oak if it exists. Leave While Price and non-Price in the red line. If scarification fails, trench and plant to Red Price. No Mixed Star ShePrep, Trenching, Monitoring, Artificial Regent(1yr): Monitoring, Artificial Regent(1yr): Pesticide, Skidder - Site Prep: Pesticide, Skidder - Site Comment: No Site Condition Regent 101/1/2020 Red Price No Acceptable, mixed price Seed Tree 42200 - Natural Two-Aged Mixed Price No Prescription Treatments: Red Price Seed Tree 42200 - Natural Two-Aged Mixed Price No Prescription Treatments: Init as and down to 70-90 BA foccusing on red and white price. Remove and jack price, aspen, balsam fir present. No Site Condition Prescription Treatments: Init as and down to 70-90 BA foccusing on red and white price. Remove and jack price, aspen, balsam fir present. No Site Condition Prescription Treatments: Init of 1/2020 No Mixed Price No Site Condition Prescription Seed Tree 42290 - Natural Two-Aged Mixed Price No Site Condition Seed Tree 42290 - Natural Two-Aged Mixed	Prop	bosed Start D	<u>ate:</u> 10/1 /2	2020								
Spess: Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine. Next Step Regent: SitePrep, Trenching: Monitoring, Natural Regen (Intermediate): SitePrep, Scarification: Planting, Initial Plant: Monitoring, Artificial Regent: Other Comment: Site Condition Proposed Start Date: 101 / 2020 35 42008035-Cut 8.6 42210 - Natural Sawtimber 81 81-110 Harvest Crown Thinning 42290 - Natural Two-Aged No Mescription Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. Sees: No Next Step Camment: Site Condition Freescription Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. Sees: Next Step Camment: Savtimber 81 51-80 Harvest Seed Tree 42290 - Natural Two-Aged No Proposed Start Date: 101 / 2020 Savtimber 81 51-80 Harvest Seed Tree 42290 - Natural Two-Aged No Regen: Weil Savtimber 81 51-80 Harvest Seed Tree 42290 - Natural No Regen: Weil Savtimber 81	29	42008029-0	Sut 89.9			r 85	81-110	Harvest			Two-Aged	No
Next Step: Treatments: SitePrep, Trenching: Monitoring, Artificial Regen (Jr/); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site Acceptable Regen: mixed pine Acceptable Comment: mixed pine Site Condition Proposed Start Date: 101/12020 35 42008035-Cut 8.6 42210 - Natural Red Pine Sawtimber 81 81-110 Harvest Crown Thinning 42290 - Natural Mixed Pine No Prescription Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. No Next Step. Treatments: Acceptable, mixed pine mixed pine Regen. No Other Comment: Comment: Stel Condition Proposed Start Date: 101/12020 37 42008037-Cut 11.5 42210 - Natural Sawtimber 81 51-80 Harvest Seed Tree 42290 - Natural Two-Aged No Red Pine Well Start Start Start Seed Tree 42290 - Natural Two-Aged No Regen: Start Date: 101/12020 Seed Tree 42290			d tree stand	to 10BA. Scarify st	tand. Reten	ition in f	forms of p	ocket(s) 3-5%.				
Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site Acceptable, mixed pine Regen: Other Comment: Site Condition Proposed Start Date; 10/1 /2020 35 42008035-Cut 8.6 42210 - Natural Savetimber 81 81-110 Harvest Crown Thinning 42290 - Natural Two-Aged No Mixed Prine Well Well Bit Start No Mixed Prine No Vescription Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. Sees: No Mext Step: Treatments: Acceptable mixed pine Regen: No Other Gomment Site Condition Proposed Start Date; 10/1 /2020 No Mixed Prine Well No 37 42008037-Cut 11.5 42210 - Natural Savetimber 81 51-80 Harvest Seed Tree 42290 - Natural No Stepses: Small acreage no retention pockets. Sees Sees No Mixed Prine Well No Stepses: Small acreage									,	•		
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35 42008035-Cut 8.6 42210 - Natural Red Pine Sawtimber 81 81-110 Harvest Crown Thinning 42290 - Natural Mixed Pine Two-Aged No Prescription Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present. No Next Step Treatments: Image: Step Step Step Step Step Step Step Step	<u>Site</u>	Condition										
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Treatments: Acceptable Regen: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 / 2020 37 42008 037 - Cut 11.5 42210 - Natural Red Pine 84 51-80 Harvest Seed Tree 42200 - Natural Red Pine Well 85 51-80 Harvest Seed Tree 42200 - Natural Red Pine Well 86 Seed Tree 97 Seed tree stand 10-20BA. Leave all hemlock. Scarify stand to promote pine regeneration. If scarification fails trench and plant to red pine. Small acreage no retention pockets. Next Step Treatments: SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Prep; Pesticide, Aerial - Release Acceptable Regen: mixed pine Other Comment: site Condition Site Condition site Condition			n stand dow	n to 70-90 BA focusi	ng on red ai	nd white	e pine. Re	emove and jacl	k pine, aspen, balsa	m fir present.		
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 / 2020 37 42008037-Cut 11.5 42210 - Natural Sawtimber 81 51-80 Harvest Seed Tree 42290 - Natural Two-Aged No Mixed Pine No Prescription Specs: Seed tree stand 10-20BA. Leave all hemlock. Scarify stand to promote pine regeneration. If scarification fails trench and plant to red pine. Small acreage no retention pockets. No Next Step SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Treatments: Prep: Pesticide, Aerial - Release Acceptable Regen: mixed pine Mixed pine SiteCondition Other Comment: SiteCondition SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Treatments: Other Site Condition Site Condition	_											
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Next Step SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site Acceptable mixed pine Regen: Other Comment: Site Condition	-	CS:				Scarify	stand to p	promote pine re	egeneration. If scari	fication fails trenc	h and plant to	red pine.
Acceptable mixed pine Regen: Other Comment: Site Condition		<u>t Step</u> Site	Prep, Scari	fication; SitePrep, T		Planting	g, Initial P	lant; Monitorir	ng, Natural Regen (I	ntermediate); Pe	esticide, Skido	der - Site
Other Comment: Site Condition	Acc	<u>eptable</u> mix										
	Othe	er										
Proposed Start Date: 10/1 /2020	<u>Site</u>	Condition										
	Prop	oosed Start D	<u>ate:</u> 10/1 /2	2020								

S t		Newberry	Mgt. Unit	I	Repo	rt3 T	reatments		Compartmen Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
39	42008039-Cut	7.3	42210 - Natural Red Pine	Sawtimber Well	r 81	81-110	Harvest	Shelterwood with Retention	42210 - Natural Red Pine	Two-Aged	No
<u>Spe</u> <u>Nex</u> <u>Tre</u>	<u>ecs:</u> Leave <u>kt Step</u> SitePr <u>atments:</u>	any oak and ep, Scarifica	t to 30-50BA, poss d hemlock if it exis ation; Monitoring, ponents of jack an	sts. Natural Reg	jen (Inte		-	ove around. Lake bu	iffer built into trea	tment.	
<u>Oth</u> <u>Cor</u> <u>Site</u>	g <u>en:</u> i <u>er</u> <u>mment:</u> <u>e Condition</u> iposed Start Date	<u>e.</u> 10/1 /202	20								
<u>Spe</u>	<u>scription</u> Shetle ecs:	rwood stand	42210 - Natural Red Pine I reducing to 30-5 al Regen (Intermed			81-110 ack pine, a	Harvest Ispen, maple.	Shelterwood with Retention	42290 - Natural Mixed Pine	Uneven- Aged	No
<u>Rec</u> Oth Cor Site	<u>eptable</u> mixed gen: mment: <u>e Condition</u> posed Start Date		20								
44			42210 - Natural Red Pine	Sawtimber Medium		81-110	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
<u>Spe</u>	<u>ecs:</u> Leave	Oak if it existence of the second sec	al Regen (Intermed	Pine and no	on-Pine	in the red	line. If scarific	est scarity stand. ation fails, trench an Frenching; Pesticide	•		e, Aerial -
<u>Rec</u> Oth	gen:	ne with a mix	x of jack and white	e pine.							
1	e Condition										
	posed Start Date	<u>e:</u> 10/1 /202	20								

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Report 3 -- Treatments

S t		Newberr	y Mgt. Unit		Repoi	rt3 [·]	Treatments	5	Compartmen Year of Entry		OF NATURAL OF
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
52	42008052-Cut	30.7	42200 - Natural White Pine	Sawtimbe Well	r 88	81-110	Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Uneven- Aged	No
<u>Treat</u> <u>Acce</u> <u>Rege</u>	<u>Step</u> Monitor <u>tments:</u> ptable mixed p	any oak ar ing, Natur	s have lower BA's a nd hemlock if prese ral Regen (Intermed	ent.	marke						
	<u>r</u> ment: Condition										
Prop	osed Start Date:	10/1 /20	020								

Total Treatment 784.1 Acreage Proposed:

Matt Payment : Examiner

Compartment: 8 Year of Entry: 2021 DNR BUCKBAN

Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Cono	dition	5
Acres	Available	With Condition	Not Available		5B	5C	5F	3A	3J
10	0	0	10	Cedar				10	
28	28	0	0	Hemlock					
94	94	0	0	Jack Pine					
3	3	0	0	Low-Density Trees					
31	0	0	31	Lowland Conifers				31	
75	0	0	74	Lowland Shrub				74	
215	208	6	0	Natural Mixed Pines		6	0		
126	123	0	3	Northern Hardwood				0	3
828	660	168	0	Red Pine	77	91			
223	114	0	109	Upland Conifers				83	26
104	90	0	14	Upland Mixed Forest				4	11
11	11	0	0	Urban					
140	117	0	24	Water				24	0
87	62	0	24	White Pine	0			21	3
1,975	1,512	174	289	Total Forested Acres	77	98	0	246	43
	77%	9%	15%	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.

Sit No	e Dominant Site . Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3A: Conservation Values incompatible with harvest at this time	49	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		wberry Mgt. Unit hyment : Examiner		Report 4 – Site Con	ditions	Compartment: 8 Year of Entry: 2021	TO INATING THE REPORT
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	43	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments:						
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5B: Maintain for regeneration purposes	43	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
	Comments:						
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

	vberry Mgt. Unit yment : Examiner		Report 4 – Site Cond	itions	Compartment: 8 Year of Entry: 2021	DI NATURAL DINAL DINAL D
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
nments:						
Available	5B: Maintain for regeneration purposes	34	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
nments:						
Unavailable	3A: Conservation Values incompatible with harvest at this time	197	Unspecified	Unspecified	Unspecified	Unspecified
n	Matt Pa Available ments: Available ments:	Matt Payment : Examiner Available 5C: Delay treatment for age/size class diversity or exceptional site quality aments: Available Available 5B: Maintain for regeneration purposes aments: SB: Maintain for regeneration purposes aments: SA: Conservation Values incompatible with harvest	Matt Payment : Examiner Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 Imments: Available 5B: Maintain for regeneration purposes 34 Imments: State of the sector of the se	Matt Payment : Examiner Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 5B: Maintain for regeneration purposes Imments: Available 5B: Maintain for regeneration purposes 34 5C: Delay treatment for age/size class diversity or exceptional site quality Imments: SB: Maintain for regeneration purposes 34 5C: Delay treatment for age/size class diversity or exceptional site quality Imments: SB: Maintain for regeneration purposes 34 5C: Delay treatment for age/size class diversity or exceptional site quality Imments: SB: Maintain for regeneration purposes 34 5C: Delay treatment for age/size class diversity or exceptional site quality Imments: SB: Maintain for regeneration purposes 197 Unspecified	Matt Payment : Examiner Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 5B: Maintain for regeneration purposes Unspecified Imments: Imments: Imments Imments Imments Unspecified Available 5B: Maintain for regeneration purposes 34 5C: Delay treatment for age/size class diversity or exceptional site quality Unspecified Imments: Imments: Imments Imments Unspecified Unspecified Unavailable 3A: Conservation Values incompatible with harvest 197 Unspecified Unspecified	Matt Payment : Examiner Year of Entry: 2021 Available 5C: Delay treatment for age/size class diversity or exceptional site quality 20 5B: Maintain for regeneration purposes Unspecified Unspecified Imments:



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

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

SCA Name SCA Category Detail Type Recommendation Acres

Comments

Compartment: 8 Year of Entry 2021



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservati Area	ion Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditio stocked trout populations and those of other coldwater fish speci conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable by are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virg forest, or primeval forest) is an area of forest that has few or no s exhibits unique ecological features related to age, composition a are of natural origin. They may be dominated by late succession: American beech), or may be a very old example of a stand domin species (i.e. oak, or red pine).	signs of human disturbance and that nd associated structure. Old growth forests al forest species (i.e. sugar maple and
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	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10 and Vegetative Buffers for each Natural River see the table locat folder.	S Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts
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 Con-	al Features Inventory (MNFI) within the t Occurrences with viability ranks of A arity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

Report 7 – Stands

Compartment: 8

Year of Entry: 2021

DNR

Stan	d Level 4 Cover Type			Size Density		Acres	Stand Age B	A Range	Managed S	ite	General Comments
1	42110 - Pla	anted Red Pi	ne S	awtimber	wtimber Medium		83	51-80	N/A		Old plantation that has been thinned a few times, all the Jack Pine was
	Canopy Species	% Cover	Size Class	DBH	Age						removed previously, some white pine in the stand. White pine regen coming in not a lot of JP or rp.
	Red Pine	80	Log/Pole	12	83						° '
	White Pine	15	Log/Pole	g/Pole 14							T. sale #20-98, "Tank Lake Section 19 Pine" - jack pine removed 6/2000. Stand was planted in 1932 w/ 3 - 0 R,J,W and in 1939 with R,J. MO2 = J,W
2	42210 - Na	itural Red Pi	ne S	awtimber	Medium	56.7	83	81-110	N/A		Mixed plantation planted Spring, 1939 with 3-0 RP and 2-0 JP @ 800
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	trees/ac. Occasional Birch and Aspen within stand; some mistletoe present in large RP. ***Stand harvested as First Line Pine (029-01-01),
	Red Pine	85	Log	14	83	Re	d Pine	Low	Variable	Sapling	removing jack pine and lightly thinning RP. Completed 08/25/04. FTP
	White Pine	15	Log	14		Jac	k Pine	Low	Variable	Sapling	42-555 for scarification. 2011 comment: No scarification completed due to thick residual stocking (esp. west side of stand) - changed stand
											boundary and MO changed to RP (old stand 8 incorporated into stand). Thin RP in another 10-20 years to encourage more natural regeneration. Walk-thru check 2009 (mixed spp) - continue to monitor.
3	42210 - Na	itural Red Pi		Sawtimb		9.3	80	81-110	N/A	planted in 10	Part of the stand was cut in 98' for utility poles. Some of the stand was planted in 1939. Stand is mainly comprised of red and white pine with
	Canopy Species		Size Class		Age		opy Species	Density	Avg. Height	Size	jack pine mixed throughout. Some evidence of under planted red pine at
	Red Pine	75	Log	14	80		d Pine	Low	Variable	Sapling	some point. Stand could be thinned now or held another 10 years.
	White Pine	20	Log	14			ite Pine	Medium	Variable	Sapling	
						Bigtoo	oth Aspen	Low	Variable	Sapling	
4	42210 - Na	42210 - Natural Red Pine		Poletimber Medium		2.9	80 51-80		N/A		Natural pine stand with red and white dominating the overstory, some jp remaining along with aspen and birch. Stand was cut in 2004 but was
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	never scarified. Some natural regen coming in red and white some jack
	Red Pine	65	Pole/Log	9	80	Re	d Pine	Low	Variable	Sapling	but overall is sparse.
	Jack Pine	25	Pole	7							
5	122 - Roa	122 - Road/Parking Lot Nonstocked			ocked	1.9	U	nspecified	No		County Road 416/433
6	42210 - Na	tural Red Pi	ne	Sawtimb	er Well	6.1	88	81-110	N/A		Stand mainly dominated by red and white pine, some jack mixed within. Sparse birch and aspen mixed in as well. Areas where WP reproduction
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	sparse birch and aspen mixed in as well. Areas where WP reproduction is 6' + in height. Part of stand planted in 1939 (6'' dbh R,J within), but
								Ma aliuna	Variable	Conline	
	Red Pine	60	Log	14	88	Wh	ite Pine	Medium	variable	Sapling	stand is actually more uneven aged, with larger R,W. Jack pine within is
	Red Pine White Pine	60 20	Log Log	14 13	88		ite Pine oth Aspen	Low	Variable	Sapling Sapling Sapling	in fair shape.

Report 7 – Stands

Compartment: 8 Year of Entry: 2021

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Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	lite	General Comments
7	42210 - Nat	ural Red Pi	ne S	awtimber	Medium	31.9	80	51-80	N/A		Stand is mainly red pine which was left after last harvest. Jack pine is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Specie	s Density	Avg. Height	Size	sparse coming in and the overstory is still has a high BA. North end is a little more open and has more regen coming in. Possible seed trees or
	Red Pine	80	Log/Pole	13	80	Jac	k Pine	Medium	5 - 10 feet	Sapling	overstory removal the stand especially the south end. Stand was never
	White Pine	15	Log	14						1	scarified due to thick
											Planted Spring, 1939 and also interplanted. ORV trail runs along S. edge Stand harvested as First Line Pine (029-01-01). Completed 08/25/04. 42-555: No scarification completed due to thick residual; regeneration count completed 6/3/08 = 342 t/ac (214A, 85W, 43R). As of 2009, walk-thru check shows: W1-2, F1, M2 (6' hts mainly A, RM) and R1/J1-2 (1-2' hts). Good cone crop noted on ground, and esp. good regeneration in old skid trails. Mixed pine mgmt is acceptable.
8	122 - Road	d/Parking Lo	ot	Nonsto	cked	2.6		Unspecified	No		County Road 433 and ROW.
9	42290 - Natu	ıral Mixed P	ine	Sawtimbe	er Well	32.2	93	111-140	N/A		Contains mixed stuff - some 30's J,R planting, some natural pine (W.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Specie	s Density	Avg. Height	Size	Spruce sawlogs, large beech noted also). ORV trail runs through the stand, and along W side, is more of a WP type. MO of mixed pine is
	Red Pine	50	Log	14	93	Bals	sam Fir	Medium	Variable	Sapling	acceptable; due to amount of F understory, when stand is treated, follow-
	White Pine	20	Log	14		Whi	te Pine	Low	5 - 10 feet	Sapling	up cultivation work will be necessary.
	Jack Pine	15	Pole	8		Re	d Pine	Low	< 5 feet	Sapling	
						Bigtoc	oth Aspen	Low	Variable	Sapling	
10	42210 - Nat	ural Red Pi	ne S	awtimber	Medium	26.5	80	51-80	N/A		Red and white pine dominate the overstory here with good regeneration
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Specie	s Density	Avg. Height	Size	coming in from previous cultivation work. Stand could be released this entry to allow current regen to grow and propagate more regeneration to
	Red Pine	85	Log/Pole	11	80	Jac	k Pine	High	5 - 10 feet	Sapling	start. Overstory removal or seed tree would be most effective.
	White Pine	15	Log	13		Re	d Pine	Medium	Variable	Sapling	
						Whi	te Pine	Medium	10 - 20 feet	Sapling	Part of sale# 20-91; scarified in 1996, 2 years after harvest occurred (FTP # 42-369). Regeneration check was done in 6/1999 and it was
											noted to be only a 3% survival w/few cones. Planting was planned and accomplished in April, 2000 with 2-0 JP(60 acres, including Stand 17) ORV trail runs along the S. edge of stand. Regeneration survey of planting was completed on 10/15/01 - stand is fully stocked with a total o 1091 trees/ac (includes 338 trees/ac planted + 753 "volunteer" trees/ac, which include RP,WP and S). Average seedling height at that time was 1.2 feet. Seedlings now 4-6' height, and some small 1' RP showing, too. MO is for mixed pine.

Report 7 – Stands

Compartment: 8 Year of Entry: 2021

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	lite	General Comments	
11	429 - Mixed U	Jpland Con	iifers	Sapling	g Well	76.5	41	81-110	N/A		Stand was cut heavy in 1976-78; RP, WP, Hemlock reproduction was	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	left. A jungle of stuff now! H,W,B,F reproduction (3-4" dbh); residual Beech(mainly dead now), RM, WP, RP, and WS. Various diameter	
	Red Pine	15	Log/Pole	10	70	H	lemlock	Medium	10 - 20 feet	Sapling	classes of reproduction; areas of good Hemlock reproduction. Sale # 23	
	White Pine	15	Log/Pole	11							76.	
	Hemlock	15	Log/Pole/Sap	o 11	41							
	Paper Birch	10	Pole	5								
	Beech	10	Pole	5								
	Balsam Fir	15	Pole/Sapling	5								
	Red Maple	10	Pole	5								
	White Spruce	10	Pole	6								
12	42290 - Nati	ural Mixed F	Pine S	Sawtimb		15.0	107	81-110	N/A		Large White pine with patchy hardwood bleeding into the stand. Spruce, red maple, some jack pine, red pine present. Beech trees are wildlife	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	quality only, most are dead or dying.	
	White Pine	40	Log/XLog	16	107	W	hite Pine	Medium	Variable	Sapling		
	Red Pine	15	Log	11		Re	ed Maple	Low	Variable	Sapling		
	Jack Pine	15	Pole	8			Beech	Low	Variable	Sapling		
	Red Maple	10	Pole	7								
13	6120 - Lo	wland Ceda	ar F	Poletimb	er Well	9.9	96	81-110	N/A		Stand of mixed conifer with cedar, tamarack, bf, some black ash and a trace amount of white pine. Low wet ground borders the Two Hearted	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	River - Two-Hearted River Zone, Access would be very difficult for any	
No	rthern White Cedar	50	Pole	8	96	Ba	alsam Fir	Medium	Variable	Sapling	harvest activities.	
	Tamarack	15	Pole	6		Re	ed Maple	Low	Variable	Sapling		
	Balsam Fir	15	Pole/Sapling	6								
	Black Spruce	15	Pole/Sapling	7								
14	42290 - Nati	ural Mixed F	^p ine Sa	awtimbe	^r Mediur	n 44.5	85	85 81-110			Mainly red and white pine in stand with some paper birch that was left	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	after last harvest. Stand could be thinned again to release the regeneration or it could be held until next entry.	
	White Pine	50	Log	13	85	W	hite Pine	Medium	Variable	Sapling	***Stand harvested as "Disconnected GPS Mix" (033-01-01 - stands 13,	
	Red Pine	35	Log/Pole	11		Ja	ack Pine	Medium	Variable	Sapling	14). Completed 07/12/05. Thinned all but red pine and white pine.	
	Paper Birch	15	Pole	8						1	FTP42-558 for scarification. 2011 comments: Stand 13 was combined into this stand. Regeneration check was completed 5/20/2008 and	
											showed 1,902 t/ac (mix of A,W,BF, RM and JP). No scarification was completed due to thick residual stocking. MO of mixed pine with aspen/fir is acceptable. 2001 comments: Planted in Fall, 1934 with W/J/R mix. Previously, stan MO was A, but A is in decline and W type should be encouraged. ORV trail crosses small portion of stand. May want to leave most or all of PB for diversity	
15	42290 - Nati			Sawtimb		81.5		111-140	N/A		Nice red and white pine stand with jack pine mixed throughout. Stand could either be R or W. Mixed hardwood interspersed, some hemlock,	
	Canopy Species		Size Class		I Age		anopy Species	Density	Avg. Height	Size	white spruce. Lots of nice WP reproduction, in places. Also areas with	
	Red Pine	35	Log/Pole	12	104	W	hite Pine	Medium	Variable	Sapling	nice, tall utility pole quality red pine. Portions planted in Fall,1934 and	
	White Pine	35	Log/Pole	13		Re	ed Maple	Low	5 - 10 feet	Sapling	Spring,1939 with mix of W/J/R. ORV trail runs through two portions of this stand.	
	Jack Pine	15	Pole	8							แทง รเฉทน.	

Report 7 – Stands

Compartment: 8

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Year of Entry: 2021

Stand	Level 4 C	Level 4 Cover Type			Acres	Stand Age B	A Range	Managed S	lite	General Comments			
16	42110 - Pla	nted Red Pi	ne Sav	vtimber Medium	91.7	75	51-80	N/A		Stand was thinned removing white and red pine and all jack pine.			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Residual BA is still high. There is acceptable amounts of regeneration coming up within the stand. Release regen seed tree or overstory			
	Red Pine	85	Log/Pole	11 75	Ja	ack Pine	Medium	5 - 10 feet	Sapling	removal of stand and monitor natural regeneration.			
	White Pine	15	Log	12	R	ed Pine	Low	Variable	Sapling	2004 comment: Planted Fall 1024 P/L. Some dead targ on the IP and			
					WI	hite Pine	Medium	Variable	Sapling	2001 comment: Planted Fall, 1934 R/J. Some dead tops on the JP, and mistletoe. ***Stand harvested as "SE Quarter Jack Pine" (42-019-01-			
										01). Completed 6/8/04. Red Pine left after harvest. Blowdown trees harvested (~8 cords) May, 2004 (from Fall, 2003 storm). FTP 42-551 completed 6/25/2004. Regeneration count completed 6/3/08 = 491 t/ac (327 A, 60J, 74W, 15R, 15RM); most seedlings < 1' height. Residual BA average of 40 (up to 90). Smaller residual RP (5" dbh) within here as we (from add'l underplanting?). Walk-thru check in 2009 showed 1' ht JP (1 - 3', in places) with WP (2-3' ht) and M (5' ht). MO is for mixed pine.			
17	42210 - Na	tural Red Pi	ne Sav	vtimber Medium	39.6	85	51-80	N/A		Part of sale # 20-91; FTP 42-369. Regeneration check in 6/1999 showed 3% survival and few cones. Stand was underplanted in April, 2000 with 2			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	0 JP(60 acres, including Stand 10). Original stand was planted in 1934			
	Red Pine	90	Log/Pole	12 85	Jack Pine		High	5 - 10 feet	Sapling	with J/R. ORV trail runs along the N. stand boundary. Planting			
	Paper Birch	10	Pole	8	Red Pine		Low	5 - 10 feet	Sapling	regeneration count survey was done 10/15/01; stand is fully stocked with 1091 trees/ac (338 trees/ac planted + 753 "volunteer" trees/ac, of which			
		42290 - Natural Mixed Pine Sawl								comment: seedlings now 4 - 5' heights, with some small (<1') RP regeneration showing. Scattered dead/dying PB within. Thin out more RP next entry. MO is for mixed pine.			
18	42290 - Nat	ural Mixed F	Pine S	awtimber Well	6.2	107	81-110	N/A		Weeviled WP, some with dead tops; smaller W2 is in better shape,			
	Canopy Species	% Cover	Size Class	DBH Age						though. Some scattered red pine. Dead/dying PB within, jack pine is in fair condition (some dead also).			
	White Pine	50	Log/XLog	15 107									
	Red Pine	15	Log/Pole	11									
	Jack Pine	25	Pole	8									
	Paper Birch	10	Pole/Log	9									
19	42210 - Na	tural Red Pi	ne Sa	awtimber Poor	24.3	85	1-50	N/A		Mainly red and white pine with scattered aspen and paper birch left after			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	last harvest. Residual BA still a little high stand could be treated with a seed tree and help release the regen coming in, or clear cut stand trench			
	Red Pine	75	Log	12 85	Ja	ack Pine	Medium	< 5 feet	Sapling	and plant to red pine. Some areas have 60-100 BA. Most of the stand is			
	White Pine	15	Log	14	R	ed Pine	Low	< 5 feet	Sapling	under 60 BA.			
					Re	ed Maple	Medium	Variable	Sapling	Planted Fall, 1934, with replant in Spring, 1964. Removed JP and			
										managed for mixed pine. Thinned older RP, where needed and left most if not all, WP. Some dead tops on WP. ***Stand harvested via Delayed Removal as sale #016-11-01, Sled Around Pine. Completed 10/23/13.			

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Stand	Level 4 C	over Type		Size Density	Acres	s Stand Age E	BA Range	Managed S	Site	General Comments			
20	42210 - Na	tural Red Pi	ine	Sawtimber Po	or 33.9	85	51-80	N/A		Stand was thinned taking red and white and all jack pine. Red and white			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-C	Canopy Species	Density	Avg. Height	Size	that are left have slightly higher BA and could be removed releasing t regeneration that is coming up underneath. All oak, red maple, spruc			
	Red Pine	70	Log/Pole	12 85		Jack Pine	Low	< 5 feet	Sapling	and balsam were left. Possibly cut with stand 19,16,17. Cut as part of			
	White Pine	20	Log	14	F	Red Maple	Low	v 5 - 10 feet Sapling sale 42-16-11 Sled Around Pine.	sale 42-16-11 Sled Around Pine.				
		I I			F	Paper Birch	Low	Variable	Sapling				
										Planting Fall, 1934 w/ J/W/R . Stand blends into W type to the west, with more W2 in understory. ORV trail runs through stand - protect. Fairly open-grown stand overall; scarify to prepare natural seedbed. Aspen within should be cut. Leave most W,R and protect small WP regen (2-5" dbh). MO is for mixed pine.			
										***Stand harvested via Final Harvest as sale #016-11-01, Sled Around Pine. Completed 10/23/13. Scarification yet to be done as of 11/12/13 Regeneration check per work instructions.			
21	42290 - Nat	ural Mixed F	Pine	Sawtimber W	ell 29.5	85	81-110	N/A		Planted in Fall, 1934 with W/R/J. Aspen, JP should be harvested -			
	Canopy Species % Cover Size C		Size Class	DBH Age	Sub-C	Canopy Species	Density	Avg. Height	Size	overmature - but WP/RP reproduction would be best to protect at this time if other stands are being treated. Delay to balance cuttings. ORV			
	White Pine	45	Log/Pole		11	White Pine	Pine Medium Variable Sapling		Sapling	trail runs through stand. MO of mixed pine.			
	Red Pine	30	Log/Pole	10		Jack Pine	Low	5 - 10 feet	Sapling				
	Jack Pine	20	Pole	8						1			
22	42120 - Pla	nted Jack P	Pine	Sapling Wel	23.8	19	Immature	N/A		10-20' JP looking well, some larger red and white pine trace amount in			
	Canopy Species	% Cover	Size Class	DBH Age	,					the stand.			
	Jack Pine	90	Sapling	3 19						Cut in 1994 (sale # 47-91). FTP 42-363 accomplished Spring, 1996. Regeneration check was done in 19984% plots stocked; 83 trees/ac. Planting was scheduled for Spring, 2000 but happened in Spring, 2001. ORV trail along stand boundary. ***Regeneration count May,2004 = 72 t/ac (614 planted, 112 nat'l). Seedlings 1.8' in height. In 2009, seedling ~ 3 - 7' height.			
23	42210 - Na	tural Red P	ine	Sawtimber Po	or 75.9	85	51-80	N/A		Stand harvested via Final Harvest as sale #016-11-01, Sled Around			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-C	Canopy Species	Density	Avg. Height	Size	Pine. Completed 10/23/13. Red pine and white pine mainly are what is left in the stand. Some decent areas of regen coming in stand could be			
	Red Pine	85	Log	12 85		Jack Pine	Medium	Variable	Sapling	treated or held until next entry.			
	White Pine	15	Log/Pole	14	Big	gtooth Aspen	High	5 - 10 feet	Sapling	Diantod Fall 1024.2.0. I/D/M/ ODV/ trail wine through Numerities and			
					F	Red Maple	High	Variable	Sapling	Planted Fall, 1934 2-0 J/R/W. ORV trail runs through N. portion and along E. edge. Remove JP, thin R,W, where needed. Some A, B within - evaluate to remove or leave for diversity, depending on operabil needs and/or volumes within. Scarify to encourage natural regeneration MO of mixed pine.			

Report 7 – Stands

Compartment: 8 Year of Entry: 2021 DNR MICHIGAN

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
24	42120 - Pla			Sapling Well DBH Age		9.1	20	Immature	mature N/A		15-20' tall Jack pine, some thin areas but trees look good. Trace amounts of red and white pine left throughout the stand.
	Canopy Species Jack Pine	95	Size Class Sapling	3	20						Cut in 1994 (sale # 47-91). FTP 42-363 accomplished Spring, 1996. Regeneration check was done in 19984% plots stocked; 83 trees/ac. Planting was scheduled for Spring, 2000, but happened in Spring, 2001. ORV trail along stand boundary. ***Regeneration count May, 2004 = 726 t/ac (614 planted, 112 nat'l). Seedlings now 1.8' in height. In 2009, seedlings now 3-7' height.
25	42210 - Nat	tural Red Pi	ne	Sawtimber Poor		60.6	85	51-80	N/A		Red and white pine remain after last harvest, jack pine and aspen were
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	removed. MO of mixed pine is acceptable. Some J and R with dead/dying tops. Pocket of W9/W2 inside west stand boundary line.
	Red Pine	75	Log/Pole	12	85		hite Pine	Medium	Variable	Sapling	Stand could have a seed tree harvest to thin the pine to release regen.
	White Pine	15	Log	14		Ja	ack Pine	Low	Variable	Sapling	
											***Stand harvested via Final Harvest as sale #016-11-01, Sled Around Pine. Planted Fall, 1934 w/ 2-0 R/J/W; had 3-0 R replanted in Spring, 1964
26	42210 - Nat	tural Red Pi	ne	Sawtimbe	er Poor	86.0	75	51-80	N/A		Good red pine, jack pine, white pine regen coming up in the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Residual red pine could be removed or left. Regen looks good in the stand. Stand could be cut now while regen is small and flexible or wait
	Red Pine	90	Log	12	75	Ja	ack Pine	High	Variable	Sapling	until it is older and then remove the top. Stand may not even need to be
	White Pine	10	Log	14		R	ed Pine	Low	Variable	Sapling	planted or trenched, assess after harvest.
						W	hite Pine	Low	5 - 10 feet	Sapling	Planted 1934, replant in 1964. Mixed age classes. Removed RP w/
											dead tops. ORV trail is part of W. edge of stand. ***Stand harvested as "Louisiana Jack Pine" (42-017-01-01). Closed 6/08/04. Red Pine blowdown from Fall, 2003 storm after initial harvest - some pine salvage 5/2004 (~ 10 cords). FTP 42-550 completed 7/2004. Regeneration count completed 6/3/08 = 228 t/ac (114J <1' height, 114 R). Walk- through check on 5/4/09 shows 1 - 3 foot JP, some R1 and M2.
27	42120 - Plai	-	ine Size Class	Sapling	Well Age	61.2	20	Immature	N/A		10-15' Jack pine with trace amounts of red and white pine scattered throughout the stand. JP looks healthy.
	Jack Pine	95	Sapling	<u>В</u> В 4	20						Sale #26-91 cut in 1995-97; scarified in 11/1998 (FTP # 42-425). Some
			Caping	4	20						A1/A2 in places, and residual J/R (3" dbh avg) with some dead leaders. Stand planted in Spring, 2001. Regeneration count completed May, 200 = 638 t/ac (480 planted, 158 nat'l). Seedlings ~ 2' tall in 2004. As of 4/30/09, seedlings 5 - 7 ' heights.
28	429 - Mixed U	Jpland Coni	ifers	Sawtimbe	er Well	22.6	117	81-110	N/A		Stand was recently acquired from the Nature Conservancy, Mainly large
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	hemlock and white pine, some soft maple present along with larger dying beech on the fringes. Also spruce and some cedar transitioning into the
	White Pine	40	Log	16	117	Re	ed Maple	Medium	Variable	Sapling	lower more wet areas around the smaller lakes. Stand should be
	Hemlock	30	Log	14		W	hite Pine	Low	Variable	Sapling	preserved to protect the water quality of the small seasonal lakes.
	Red Maple	10	Pole	8		H	lemlock	Low	5 - 10 feet	Sapling	
							Beech	Low	Variable	Sapling	

Report 7 – Stands

Compartment: 8 Year of Entry: 2021

OF NATURAL PLANE

Stand	Level 4 C	over Type	:	Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
29	42210 - Nat	tural Red Pi	ne S	Sawtimbe		89.9	85	81-110	N/A		Stand was harvested and left all red and white pine. Jack pine and aspen were only species removed. South end of stand is thicker to red
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	and white pine. Stand should be released via selection to release
	Red Pine	80	Log	12	85	Ja	ick Pine	Medium	5 - 10 feet	Sapling	regeneration. ORV trail runs through the stand. ***Stand harvested as
	White Pine	15	Log	14		R	ed Pine	Low	Variable	Sapling	Lost Tally Book Jack Pine" (42-034-01-01). Cut in May-June, 2003 -
						Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	closed 6/1/04. FTP 42-557 completed 6/2004. Regen count completed 6/3/08 = 629 t/ac (123J, 260A, 178W, 27R, 41BF). Residual BA
											averages 30 (up to 80). MO of mixed spps is acceptable. Planted Fall, 1934 w/ J/W/R.
30	42290 - Nati	ural Mixed F	Pine S	Sapling Medium			5.8 16		N/A		Good regen coming in rp, jp, wp. ***Stand harvested as "Lost Tally Book Jack Pine" (42-034-01-01) (Unit 4). Stand harvested in May, 2002.
	Canopy Species		Size Class		Age						Most of site was NOT scarified (42-557) due to old slash and presence of
	White Pine	15	Log	13	97						good WP, RP regeneration. Continue to monitor for successful
	Red Pine	15	Log	11						regeneration. (see stand 29 comment) Planted Fall, 1934: 2-0 J/R/W. Frost pocket; limby trees.	
	Jack Pine	30	Sapling	2	16						
	White Pine	30	Sapling	2							
	Red Pine	10	Sapling	2							
31	42110 - Pla	nted Red P	ine Sa	wtimber		n 43.1	85	1-50	N/A		Pole/Log size red and white pine left after harvest in the 90's. Stand could be seed treed or overstory removal. Sale #43-91 (cut 1995-96) No
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	record of scarification being completed (FTP # 42-403). Aspen, maple,
	Red Pine	85	Log	12	85	Ja	ick Pine	Medium	Variable	Sapling	R1, J2 regeneration all noted.
	White Pine	15	Log	14		R	ed Pine	Low	Variable	Sapling	
33	42210 - Nai		-	Sawtimbe		12.6	88	51-80	N/A		Mainly red pine remaining with some advanced regen coming in after last harvest. Leave stand for next entry and potentially remove the
	Canopy Species		Size Class		Age		nopy Species	-	Avg. Height	Size	overstory.
	Red Pine	90	Log	12	88		ed Pine	Low	Variable	Sapling	Dart of cold #29.01 (FTD 42.265), tracted 1005.06. Degeneration count
						Ja	ick Pine	Low	5 - 10 feet	Sapling	Part of sale #28-91 (FTP 42-365); treated 1995-96. Regeneration count done 6/1998: 0 % plots stocked; # trees/ac = 67. Planting accomplished
											in April, 2000 w/ 2-0 JP. MO of mixed pine is acceptable. JP now 3 - 5' height, with some 1' RP regeneration.
34	42210 - Nat			wtimber		n 20.3	81	81-110	N/A		Red pine stand decent quality, not a lot of regen coming up underneath overstory, Part of sale #28-91 (FTP #42-365); treated in 1995-96.
	Canopy Species		Size Class	DBH	-						Regen count in 6/1998: 0 % plots stocked, trees/ac = 67. Never planted
	Red Pine	80	Log/Pole	11	81						(was scheduled for April, 2000). Residual was high enough that it was
	White Pine	20	Log/Pole	12							not necessary. Thin pine this entry (with adjacent stand 35), and manage for mixed pine.
35	42210 - Na	tural Red Pi	ne S	Sawtimb		8.6	81	81-110	N/A		Nice red pine stand with some white pine with balsam and birch mixed in throughout. Smaller diameters but could be thinned. Stand has higher
	Canopy Species	Species % Cover Size Class DBH Age Sub-Canopy S				nopy Species	s Density	Avg. Height	Size	stocking than adjacent stand 34. Original planting done in Fall, 1938 w/ 3-	
	Red Pine	75	Log/Pole	10	81	WI	nite Pine	Low	Variable	Sapling	0 R/J.
	White Pine	20	Log	12		R	ed Pine	Low	5 - 10 feet	Sapling	
						De	lsam Fir	Low	5 - 10 feet	Sapling	

Report 7 – Stands

Compartment: 8

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Year of Entry: 2021

Stand	d Level 4 C	over Type		Size Density			Stand Age B	A Range Managed Site		ite	General Comments		
36	4319 - Mixeo	orest S	Sapling Med		18.0	35	51-80	N/A		Sale # 37-83; final harvest in 6/1983. Stand varies - portion is A2/M2,			
	Canopy Species % Cover Size Clas		Size Class	DBH	Age						other areas W2/F2/H component w/ residual WP. Thick reproduction overall.		
	White Pine	25	Log/Pole/Sap	o 14	90								
	Red Maple	30	Sapling	3	35								
	Balsam Fir 15		Sapling	3									
	Bigtooth Aspen	10	Sapling/Pole	4									
	Hemlock	15	Sapling	3									
37	42210 - Nat	tural Red P	ine S	Sawtimb	er Well	11.5	81	51-80	N/A		Part of this stand was thinned in 1984. Mixed commercial spps.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Includes: aspen, white pine pulp, and red maple. Stand was thinned again in the summer, 2003 (Davis Lake Pine #031-01) and due to fall,		
	Red Pine	75	Log/Pole	12	81	R	ed Pine	Medium	Variable	Sapling	2003 windstorm, red pine blowdown was salvaged in May, 2004 (~ 14		
	White Pine	15	Log	14		Quak	ing Aspen	Low	Variable	Sapling	cords). Sale closed 6/8/04. Thin for seed or shelterwood cut treatment.		
	Paper Birch	10	Pole	8		Re	d Maple	Low	Variable	Sapling	Old skid trails have good R,J regeneration started (2 - 4' hts), as well as A,M,F scattered throughout.		
						Ja	ck Pine	Low	5 - 10 feet	Sapling			
38	42200 - Nati	Pine Sa	wtimber	Medium	n 6.6	81	1-50	N/A		Open-grown WP and A. Stand was cut in the late 80s. Leaving larger			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	limby white pine and poor form aspen behind. A few red pine also remain in the stand. Stand should be clearcut or seed treed and scarifie		
	White Pine	70	Log	12	81	Bigto	oth Aspen	Low	Variable	Sapling	to promote to regeneration.		
	Bigtooth Aspen	10	Pole	8		Ja	ck Pine	Low	Variable	Sapling	-		
	Red Pine	10	Log/Pole	11		Wł	nite Pine	Low	Variable	Sapling			
	Paper Birch	10	Pole	8									
39	42210 - Nat	tural Red P	ine S	Sawtimb	er Well	7.3	81	81-110	N/A		Planted Fall, 1938 w/J/R. RP was thinned in 1984 and is the E. edge of		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the stand. Stand was thinned again in summer, 2003 (Davis Lake Pine #031-01) and due to windstorm damage in the fall, 2003, blowdown red		
	Red Pine	85	Log	13	81	R	ed Pine	Low	5 - 10 feet	Sapling	and white pine were salvaged in May, 2004 (~ 14 cords from sale area).		
	White Pine	10	Log	15		W	nite Pine	Low	Variable	Sapling	Buffer was left along lake. Sale was closed 6/8/04. No scarification planned. Thin for seed this entry.		
40	500 -	- Water		Nonsto	cked	9.7	U	nspecified	No		DAVIS LAKE (Lake edge fluctuates).		
42	42210 - Na	tural Red P	ine S	Sawtimb	er Poor	33.6	90	1-50	N/A		Stand mainly overstory hemlock, white pine and some cedar in the		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	lower areas. Lots of regen coming in underneath the remaining overstory. Maple, hemlock, white pine, beech, aspen, and some paper		
	Red Pine	75	Log	14	90	Re	d Maple	Medium	5 - 10 feet	Sapling	birch comprise the regen.		
	White Pine	25	Log	14		ł	Beech	Medium	Variable	Sapling			
						Quak	ing Aspen	Medium	Variable	Sapling	Stand harvested via final harvest as sale #42-017-11-01. Completed		
						W	nite Pine	Low	5 - 10 feet	Sapling	11/05/12. Scarification work not done due to the high residual BA left.		
							ck Pine	Medium	< 5 feet	Sapling	1		

Report 7 – Stands

Compartment: 8 Year of Entry: 2021

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Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
43	42210 - Na	ine Sa	awtimb	er Well	19.6	81	81-110	N/A		Stand was left last time as an uncut buffer for wildlife. Nice red and	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	white pine with jack pine and aspen that are starting to become overmatured. Some larger (11"+) timber within. Blends into surrounding
	Red Pine	60	Log	12	81	Bigtoo	th Aspen	Low	5 - 10 feet	Sapling	stands but contains more W,A here. Planted Fall, 1938 w/ J/R/W.
	White Pine	20	Log/XLog	15		Whi	te Pine	Low	Variable	Sapling	
	Jack Pine	15	Pole	8							-
44	42210 - Na	tural Red P	ine Sav	vtimber	Medium	n 34.1 81 81-1		81-110	N/A		Stand had all jack pine, aspen, and birch removed. As well as red and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	white pine. Residual BA is slightly high still and could be cut to release the regen that is coming in. Stand could be clear cut and site prep spray
	Red Pine	80	Log/Pole	13	81	Jac	k Pine	Medium	Variable	Sapling	trench and plant. If not seed tree stand and remove overstory in 10 years
	White Pine	20	Log	14		Red	Maple	Medium	5 - 10 feet	Sapling	
		5				Bigtoo	th Aspen	Medium	Variable	Sapling	Stand harvested via final harvest as sale #42-017-11-01. Completed 11/05/12.
						Whi	te Pine	Low	< 5 feet	Sapling	Planted Fall, 1938 w/ 3-0 R/J/W.
45	42200 - Nati	ural White F	Pine Pole	etimbei	Medium	n 28.2	77	51-80	N/A		Stand mainly white pine with traces of red pine. Contains small G type
	Canopy Species	ies % Cover Size Class DBH Ag			Age	Sub-Can	opy Species	Density	Avg. Height	Size	(frost pocket); also contains M type along CR 416 which is too small to separate out, and small JP. Firelane road expanded w/ t. sale to W. in
	White Pine	60	Pole	9	77	Red Maple White Pine		Medium	Variable	Sapling	2000 - lots of WP regeneration along it now in 2009.
	Bigtooth Aspen	20	Pole	9				Medium	5 - 10 feet	Sapling	
	Jack Pine	10	Pole/Sapling	6		Bigtoo	th Aspen	Medium	5 - 10 feet	Sapling	
46	4319 - Mixeo	Upland Fo	rest	Sapling	Poor	16.1	7	1-50	N/A		White pine is left after last harvest, stand has a thick flush of regen
	Canopy Species	% Cover	Size Class	DBH	Age						mainly maple, aspen, fir, and some white pine. Tried to encourage more WP regeneration by removing misc. spps. Overstory WP is limby and
	Red Maple	25	Sapling	2	7						weeviled. Dead/dying beech was left as snags. Firelane expanded due to
	Bigtooth Aspen	20	Sapling	2							t. sale to W. in 2000 - heavy W3 regeneration noted in 2009 where soil
	Balsam Fir	20	Sapling	2							was exposed. Stand harvested via selection harvest as sale #42-017-11-01. Complete
	White Pine	20	Log/Pole/Sap	15	77						11/05/12.
	Quaking Aspen	10	Sapling	2							
					er Well	61.0	97	51-80	N/A		Lots of cull, big beech mast trees; poor quality (bear sign on tree bark)
47	4319 - Mixeo	Upland Fo	rest S	awump		Sub-Canopy Species				Size	
47	4319 - Mixed Canopy Species	-	Size Class		Age			Density	Avg. Height	Size	and/or dead (beech snap). No real crop maple trees to encourage;
47		-				Sub-Can			Avg. Height Variable	Size Sapling	
47	Canopy Species	% Cover	Size Class	DBH		Sub-Can	opy Species	Density			and/or dead (beech snap). No real crop maple trees to encourage; should let the stand revert to WP, H, which is doing well here (mixed
47	Canopy Species Beech	% Cover	Size Class Log/Pole	DBH 10	Age	Sub-Can Bo Suga	opy Species eech	Density Medium	Variable	Sapling	and/or dead (beech snap). No real crop maple trees to encourage; should let the stand revert to WP, H, which is doing well here (mixed
47	Canopy Species Beech Sugar Maple	% Cover 15 20	Size Class Log/Pole Log	DBH 10 12	Age	Sub-Can Bo Suga Red	opy Species eech ar Maple	Density Medium High	Variable Variable	Sapling Sapling	and/or dead (beech snap). No real crop maple trees to encourage; should let the stand revert to WP, H, which is doing well here (mixed
47	Canopy Species Beech Sugar Maple Red Maple	% Cover 15 20 15	Size Class Log/Pole Log Log/Pole	DBH 10 12 10	Age	Sub-Can Bo Suga Red Bals	opy Species eech Ir Maple Maple	DensityMediumHighMedium	Variable Variable Variable	Sapling Sapling Sapling	and/or dead (beech snap). No real crop maple trees to encourage; should let the stand revert to WP, H, which is doing well here (mixed

Report 7 – Stands

OF NATURAL PROVINCE

Stand	Level 4 Cover Type			Size De	nsity	Acres Stand Age BA Range			Managed S	ite	General Comments		
48	4115 - Y.Birch, Hemlock NH			Sawtimber Well		15.1	100	81-110	N/A		Stand heavy to beech and red maple, some sugar present. Yellow birch		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	mixed aspen, and hemlock are all present. WP heavy along lake edge; camping sites are evident. Beech dead now from BBD and snap.		
	Sugar Maple	15	Log/Pole	10		Re	ed Maple	Medium	Variable	Sapling	Hemlock regen present in the stand.		
	Red Maple	20	Log/Pole	10	100	Sug	gar Maple	Low	Variable	Sapling			
	Beech	15	Log/Pole	10		l	Beech	Medium	10 - 20 feet	Sapling			
	Hemlock	10	Log/Pole	14		Н	lemlock	Low	5 - 10 feet	Sapling			
	White Pine	15	Log/XLog	15		Wł	hite Pine	Low	Variable	Sapling			
	Yellow Birch	10	Pole	9				I			1		
	Bigtooth Aspen	10	Pole	9									
49	500 -	Water		Nonsto	ocked	32.9	ι	Unspecified	No		TANK LAKE		
50	500 -	Water		Nonsto	ocked	3.6	ι	Unspecified	No		water/ marsh		
51	500 -	Water		Nonsto	ocked	1.4	ι	Unspecified	No		water/ marsh; leatherleaf within		
52	42200 - Natu	200 - Natural White Pine		Sawtimber Well		30.7	88	81-110	N/A		Mainly white and some red pine. Some Oak present; aspen is dying out. Reproduction of W/F is good, though, Could treat now to release regen of		
	Canopy Species White Pine	% Cover 60	Size Class Log/Pole	DBH 14	88						hold until next entry. Mixed commercial spps includes: hemlock, red maple, white spruce - some beech within, which is dead now.		
	Hemlock	10	Log/Pole	11									
	Red Maple	10	Pole	6									
53	500 -	Water		Nonsto	ocked	8.1	ι	Unspecified	No		water/ marsh - leatherleaf, grasses with willow on edges		
54	4115 - Y.Birc	h, Hemlock	NH	Sawtimb	er Well	6.0	95	81-110	N/A		A good quantity of red maple, H reproduction evident; manage for W/H.		
	Canopy Species % Cover Size CI		Size Class	s DBH Age		Sub-Ca	nopy Species	B Density	Avg. Height	Size	Beech within stand last entry is now either dead and/or dying. No treatment on stand for now.		
	Beech	20	Log/Pole	10		Re	ed Maple	Medium	Variable	Sapling			
	Hemlock	15	Log/Pole	11		I	Beech	Medium	Variable	Sapling			
	Red Maple	35	Log/Pole	12	95	Ba	alsam Fir	Medium	5 - 10 feet	Sapling			
	White Pine	15	Log	15		Н	lemlock	Low	Variable	Sapling	1		
		10	Pole	5						. 0			

Report 7 – Stands

Compartment: 8

DNR

Year of Entry: 2021

Stand	d Level 4 Co	over Type		Size Densit	ty	Acres	Stand Age	BA Range	Managed S	ite	General Comments	
55	42350 - Upland Hemlock		ck S	Sawtimber Mediu		28.4	96	51-80	N/A		Stand mainly hemlock and white pine overstory with some cedar in the lower areas. Lots of regen coming in underneath the remaining	
	Canopy Species	% Cover	Size Class	DBH Ag	je	Sub-Car	opy Species	5 Density	Avg. Height	Size	overstory. Maple, hemlock, white pine, beech, aspen, and some paper	
	Hemlock	50	Log	14 96	6	He	mlock	Medium	Variable	Sapling	birch comprise the regen.	
	White Pine	35	Log	14		Red	l Maple	Medium	5 - 10 feet	Sapling	Part of "Lucky 7 Hardwoods" sale #23-99 (unit 2) - cut summer, 2002.	
No	orthern White Cedar	10	Log/Pole	10		В	eech	Medium	Variable	Sapling	Some looper damage during/following cut year. Stand was harvested	
						Quaki	ng Aspen	Low	5 - 10 feet	Sapling	with H objective. H regeneration is apparent, although areas which are	
						Bal	sam Fir	Medium	5 - 10 feet	Sapling	more open are heavier to W/F/M regeneration. Leave tree beech trees are now dead/snapped off, so some of the overstory protecting for	
						Wh	ite Pine	Low	Variable	Sapling	establishing seedlings was lost. Smaller residual H within stand (2-3" dbh and 20-25' heights) doing well with release.	
56	500 -	Water		Nonstocke	d	1.4	l	Jnspecified	No		seasonally flooded water/ marsh	
57	429 - Mixed L	Jpland Con	ifers	Sawtimber V	Vell	77.0	97	111-140	N/A		Mainly white pine and hemlock surrounding Bennett Lake areas. Birch	
	Canopy Species	% Cover	Size Class	DBH Ag	le						present is dying out. Very scenic around lake; may not be wise to harvest. Road building would be necessary, and the isolation of this lak	
	White Pine	50	Log/XLog	15 9	-						would be lost. N. end (around stand 53) contains thick W6/W2,	
	Paper Birch	8	Pole	9							especially closer to marsh edges. Mixed softwoods include: C,H,S.	
	Quaking Aspen	10	Pole	8							Mixed hardwoods include: PB, RM, beech, A.	
	Red Maple	15	Pole/Log	9								
	Hemlock	10	Log	14								
58	500 -	Water		Nonstocke	d	32.3	l	Jnspecified	No		BENNETT LAKE (with associated surrounding marsh pockets for lake fluctuation)	
59	4115 - Y.Birc	h, Hemlock	NH S	awtimber Me	dium	21.4	93	51-80	N/A		Stand harvested via selection harvest as sale #42-017-11-01. Complete	
59	4115 - Y.Birc Canopy Species		NH S Size Class	awtimber Me DBH Ag			93 opy Species		N/A Avg. Height	Size	11/05/12. Large timberlow quality and mostly defective. Most of beec	
59					je	Sub-Car				Size Sapling		
59	Canopy Species	% Cover	Size Class	DBH Ag	je	Sub-Car Rec	opy Species	5 Density	Avg. Height		11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
59	Canopy Species Red Maple	% Cover 35	Size Class Log/Pole	DBH Ag	je	Sub-Car Rec	opy Species Maple	B Density Medium	Avg. Height Variable	Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
59	Canopy Species Red Maple Beech	% Cover 35 15	Size Class Log/Pole Pole	DBH Ag 10 93 9 9	je	Sub-Car Rec B Wh	o py Species I Maple eech	Density Medium Medium	Avg. Height Variable 5 - 10 feet	Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
59	Canopy Species Red Maple Beech Hemlock	% Cover 35 15 15	Size Class Log/Pole Pole Log	DBH Ag 10 93 9 12	je	Sub-Car Rec B Wh	o py Species I Maple eech ite Pine	B Density Medium Medium Low	Avg. Height Variable 5 - 10 feet Variable	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
59	Canopy Species Red Maple Beech Hemlock White Pine	% Cover 35 15 15 10	Size Class Log/Pole Pole Log	DBH Ag 10 93 9 12 14 14	je	Sub-Car Rec B Wh	o py Species I Maple eech ite Pine	B Density Medium Medium Low	Avg. Height Variable 5 - 10 feet Variable	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
59 60	Canopy Species Red Maple Beech Hemlock White Pine Sugar Maple Yellow Birch	% Cover 35 15 15 10 10	Size Class Log/Pole Pole Log Log	DBH Ag 10 93 9 12 14 10	je 3	Sub-Car Rec B Wh	aopy Species I Maple eech ite Pine emlock	B Density Medium Medium Low	Avg. Height Variable 5 - 10 feet Variable	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3	
	Canopy Species Red Maple Beech Hemlock White Pine Sugar Maple Yellow Birch 500 - 4112 - Maple,	% Cover 35 15 10 10 8	Size Class Log/Pole Log Log Log/Pole Pole	DBH Ag 10 93 12 14 10 8	ge 3	Sub-Car Rec B Wh He	aopy Species I Maple eech ite Pine emlock	Density Medium Medium Low Low	Avg. Height Variable 5 - 10 feet Variable 10 - 20 feet	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3 understory (2 -3 " dbh and 25' hts), though. Some wet ground. Seasonally flooded water/ marsh Conifers on fringes of the stand. Mainly red and sugar maple with beec thickets throughout the stand. Some white pine and hemlock scattered	
60	Canopy Species Red Maple Beech Hemlock White Pine Sugar Maple Yellow Birch 500 - 4112 - Maple,	% Cover 35 15 15 10 8	Size Class Log/Pole Log Log Log/Pole Pole	DBH Ag 10 9 12 1 14 1 8 1	ge 3 ed Vell	Sub-Car Rec B Wh He 9.2 67.2	aopy Species I Maple eech ite Pine emlock	B Density Medium Low Low	Avg. Height Variable 5 - 10 feet Variable 10 - 20 feet No	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3 understory (2 -3 " dbh and 25' hts), though. Some wet ground. Seasonally flooded water/ marsh Conifers on fringes of the stand. Mainly red and sugar maple with beec thickets throughout the stand. Some white pine and hemlock scattered within the stand. Lots of regeneration: 2-3" avg. dbh. Beech dead/dying	
60	Canopy Species Red Maple Beech Hemlock White Pine Sugar Maple Yellow Birch 500 - 4112 - Maple, Asso	% Cover 35 15 15 10 8	Size Class Log/Pole Log Log Log/Pole Pole	DBH Ag 10 9 12 1 14 1 8 1	ge 3 ed Vell	Sub-Car Rec Wh He 9.2 67.2 Sub-Car	i Maple eech ite Pine mlock	B Density Medium Low Low	Avg. Height Variable 5 - 10 feet Variable 10 - 20 feet No	Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3 understory (2 -3 " dbh and 25' hts), though. Some wet ground. Seasonally flooded water/ marsh Conifers on fringes of the stand. Mainly red and sugar maple with beec thickets throughout the stand. Some white pine and hemlock scattered	
60	Canopy Species Red Maple Beech Hemlock White Pine Sugar Maple Yellow Birch 500 - 4112 - Maple, Asso	% Cover 35 15 15 10 8	Size Class Log/Pole Log Log Log Pole Pole Size Class	DBH Ag 10 9 12 14 10 8 Nonstocke Sawtimber V DBH Ag	ge 3 ed Vell ge	Sub-Car Rec Wh He 9.2 67.2 Sub-Car Rec	iopy Species I Maple eech ite Pine mlock	B Density Medium Medium Low Low Jnspecified 81-110 B Density	Avg. Height Variable 5 - 10 feet Variable 10 - 20 feet No No	Sapling Sapling Sapling Sapling	11/05/12. Large timberlow quality and mostly defective. Most of beec is dead (BBD, beech snap)/dying since last inventory. Good M3 understory (2 -3 " dbh and 25' hts), though. Some wet ground. Seasonally flooded water/ marsh Conifers on fringes of the stand. Mainly red and sugar maple with beec thickets throughout the stand. Some white pine and hemlock scattered within the stand. Lots of regeneration: 2-3" avg. dbh. Beech dead/dying	

Report 7 – Stands

Compartment: 8

Year of Entry: 2021



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
62	6229 - Mixed	l lowland sł	hrub	Nonsto	ocked	51.8		Unspecified	No		Very wet low ground stand. Sub merchantable spruce and tamarack out in the middle. Leatherleaf and some tag alder as well. Two-Hearted River Zone.
63	42200 - Natu	ural White F	Pine S	Sawtimb	er Well	21.2	100	81-110	N/A		Two-Hearted River Zone. Stand falls in the middle of the north branch of
	Canopy Species	% Cover	Size Class	DBH	Age						the Two Hearted river. White pine and red pine with some birch and aspen can be seen from the edge. Stand is inaccessible.
	White Pine	80	Log/XLog	14	100						aspen can be seen nom the edge. Stand is maccessible.
	Hemlock	10	Log	14							
64	64 6129 - Mixed Coniferous Lowland Forest		owland Po	letimbe	r Mediun	n 31.0	70	51-80	N/A		Low wet stand full of water. Trees are low quality and stressed from flooding. Small pole diameter spruce, tamarack, cedar, yellow birch, and
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	some larger scattered white pine on a narrow ridge in the middle of the stand. Two-Hearted River Zone. SCA = biodiversity stewardship
	Black Spruce	37	Sapling/Pole	4	70	Та	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Tamarack	25	Pole/Sapling	5		Lea	atherleaf	Medium	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	25	Pole/Sapling	5							-
66	66 429 - Mixed Upland Conifers Sawtimbe			er Well	36.6	87	81-110	N/A		Two Hearted River Zone. Stand is wet. White pine, cedar, red maple,	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	black spruce, yellow birch, and a few scattered red pine make up the stand. Understory is thick fir and maple.
	White Pine	50	Log/XLog	16	87	Re	ed Maple	Medium	Variable	Sapling	
	Red Maple	15	Pole	8		Ba	llsam Fir	Medium	Variable	Sapling	
No	rthern White Cedar	10	Pole	9		WI	hite Pine	Low	Variable	Sapling	
	Black Spruce	15	Pole	8							
68	4319 - Mixed			Sawtimb		9.2	111	111-140	N/A		Mixed white pine, paper birch, red maple, cedar, some black spruce, yellow birch, and a trace amount of red pine scattered within the stand.
	Canopy Species		Size Class		I Age	Sub-Ca	nopy Specie		Avg. Height	Size	Hardwood is dyingencourage WP; wetter ground. Leave cedar. Two-
	Red Maple	45	Log/Pole		111		ed Maple	Medium	Variable	Sapling	Hearted River Zone.
	White Pine	35	Log/XLog	16		WI	hite Pine	Medium	Variable	Sapling	
						Ba	ilsam Fir	Low	5 - 10 feet	Sapling	
69	429 - Mixed L	Jpland Con	ifers S	Sawtimb	er Well	10.3	97	51-80	N/A		Wet ground; Mainly white pine and some maple; Aspen and beech are dying manage for WP. Within Two-Hearted River Zone.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	dying manage for WP. Within Two-Hearted River Zone.
	White Pine	50	Log	15	97	Ba	llsam Fir	Medium	Variable	Sapling	-
	Paper Birch	10	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Bigtooth Aspen	10	Pole	8		WI	hite Pine	Medium	Variable	Sapling	
	Red Maple	10	Pole	7							-
N.	rthern White Cedar	10	Log/Pole	10							
INO		-	0								

Report 7 – Stands

Compartment: 8 Year of Entry: 2021 OF NATURAL HEBOUR

Stand	Level 4 Cover Type 4119 - Mixed Northern Hardwoods			Size Density Sawtimber Well		Acres	Stand Age E	BA Range	Managed Site		General Comments
70						16.3	113	81-110	N/A		
	Canopy Species % Cover Size CI		Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	sugar maple both present within the stand. Scattered hemlock and a few white pine as well. Low quality site, treat with 61 &/or 69 when
	Sugar Maple	20	Log/Pole	12			ed Maple	Medium	Variable	Sapling	prescribed.
	Red Maple	30	Log/Pole	10	113	Sug	ar Maple	Medium	Variable	Sapling	
	Beech	15	Log/Pole	10		Wh	nite Pine	Low	5 - 10 feet	Sapling	
	Paper Birch	15	Pole	9		Bal	lsam Fir	Low	5 - 10 feet	Sapling	
	Hemlock	8	Log	14							-
	White Pine	7	Log/XLog	16							
71	500 - Water		Nonsto	ocked	23.6	L	Inspecified	No		Two Heart Zone. Water most of the year dries up to marsh in the summer months when water is low.	
72	6229 - Mixed	l lowland sl	hrub	Nonstocked		22.8	L	Inspecified	No		Sparse trees out in the flood plain of the north branch of the Two Hear
						Sub-Car	nopy Species	Density	Avg. Height	Size	River. Spruce, tamarack, some thick areas of tag alder. A few larger white pine up on knobs in the north end of the stand. Two-Hearted River
						Tamarack		Low	Variable	Pole	Zone.
			Blac			k Spruce	Low	Variable Pole			
73	500 -	- Water		Nonsto	ocked	3.2	L	Inspecified	No		
74	122 - Road	d/Parking L	ot	Nonsto	ocked	6.9	L	Inspecified	No		CO RD 416 and R.O.W.
75	500 - Water 500 - Water			Nonstocked				Inspecified	No	No	
76								Inspecified	No		
441	3303 - Mixed L	3303 - Mixed Low Density Trees		Nonsto	ocked	3.1	L	Inspecified	No		Open field contains some W4,J4, W7; lake overflow
					Γ	Sub-Car	nopy Species	Density	Avg. Height	Size	
						Wh	nite Pine	Medium	>20 feet	Pole	