

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42108 Entry Year 2023 Acreage: 2,796 County Luce Management Area: County Line Hardwoods

Revision Date: 2021-12-29

Stand Examiner: Lester Livermore

Legal Description:

T45N, R11W. Sections 23, 25, 26, 35, and 36.

Identified Planning Goals:

Maintain forest health, forest resource protection, forest recreation, timber production, forest diversity and forest sustainability while considering wildlife, fisheries and environmental needs and concerns.

Soil and topography:

Kalkaska, Springlake loamy sand, Menominee Graveraet; Carbondale and Dawson on low sites; primarily rolling upland.

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

Ownership pattern consists of a large, contiguous block of state ownership. The State of Michigan has leased 720 acres of this compartment to Luce County. Luce County is managing the forest stands on this acreage. This lease expires January 12th, 2029.

Unique Natural Features:

Within the compartment MNFI shows the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, and goshawk as well as the potential for incurvate emerald, frigga fritillary, freija fritillary and ebony boghaunter in bog habitat. MNFI also shows the potential for rare plants of rich mesic forests: assiniboia sedge, showy orchis, ginseng, and goblin fern. Potential for rare plants of marshes and bogs including widgeon-grass, Farwell's water-milfoil, alga pondweed, and autumnal water star-wort.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

A large proportion of the state land within this compartment is held under a management lease by Luce County until January 12th, 2029.

Watershed and Fisheries Considerations:

Fisheries Values: None Fisheries Concerns: There are no water-bodies in this compartment, so Fisheries has no concerns at this time.

Wildlife Habitat Considerations:

Compartment 108 lies in southern Luce county in the St. Ignace ecological sub-subsection and is in the County Line Hardwoods Management Area. White-tailed deer, black bear, snowshoe hare, riffed grouse and red shouldered hawk and Goshawk are featured species in the compartment. Northern hardwoods and aspen stands dominate the compartment with a few small various lowland types primarily on the west side. Species diversity in forested stands is low overall. The compartment is heavily used by hunters of all types.

The conifer component of most stands is very low and thus conifers will be retained in harvested stands to provide species and structural diversity and to serve as nesting habitat for warblers, nesting trees for hawk species (featured species), and vertical structure for deer (featured species). Mature aspen will be retained around the border of sales to provide food sources for ruffed grouse (featured species) and coarse woody debris for small mammals and black bear (featured species) forage sites. Trees with forks high in the canopy will be protected in harvested stands to provide future nest trees.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. Two active sand/gravel pits occur just north of the compartment, but potential for sand & gravel within the compartment appears less promising. No current mineral leasing activity exists in the area.

Vehicle Access:

The compartment can be accessed by county roads 431 and 468, both which are primary routes that run through most of the compartment. These roads are maintained by the Luce County Road Commission. The County has designated these roads as seasonal, as they do not routinely maintain it as they do other county roads. These roads provide great public access throughout the compartment. There are also a significant number of small forest roads/logging roads that run through many of the stands, creating fair access across the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Sandtown Motorcycle Trail meanders through a good portion of the compartment. FMD snowmobile trails 457 and 45 run through the compartment as well. Hunting, wildlife observation and trapping opportunities are also present.

Fire Protection:

The potential for large fire growth in this compartment is low because of the minimal areas of conifer types and the network of two tracks. Most of the compartment is accessible with heavy equipment. Most fires should be low intensity surface fires with slow rates of spread because of the hardwood fuel types.

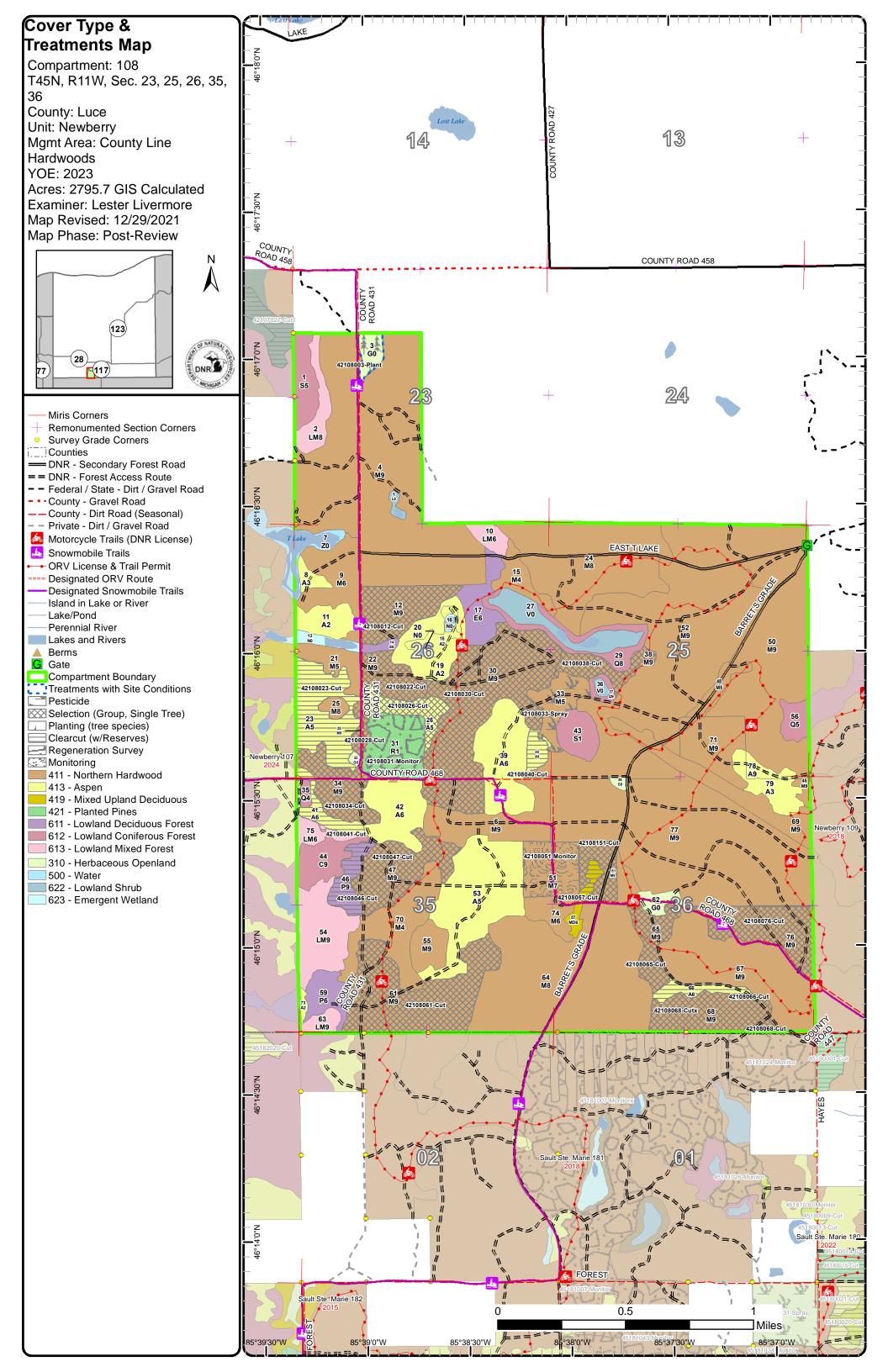
Additional Compartment Information:

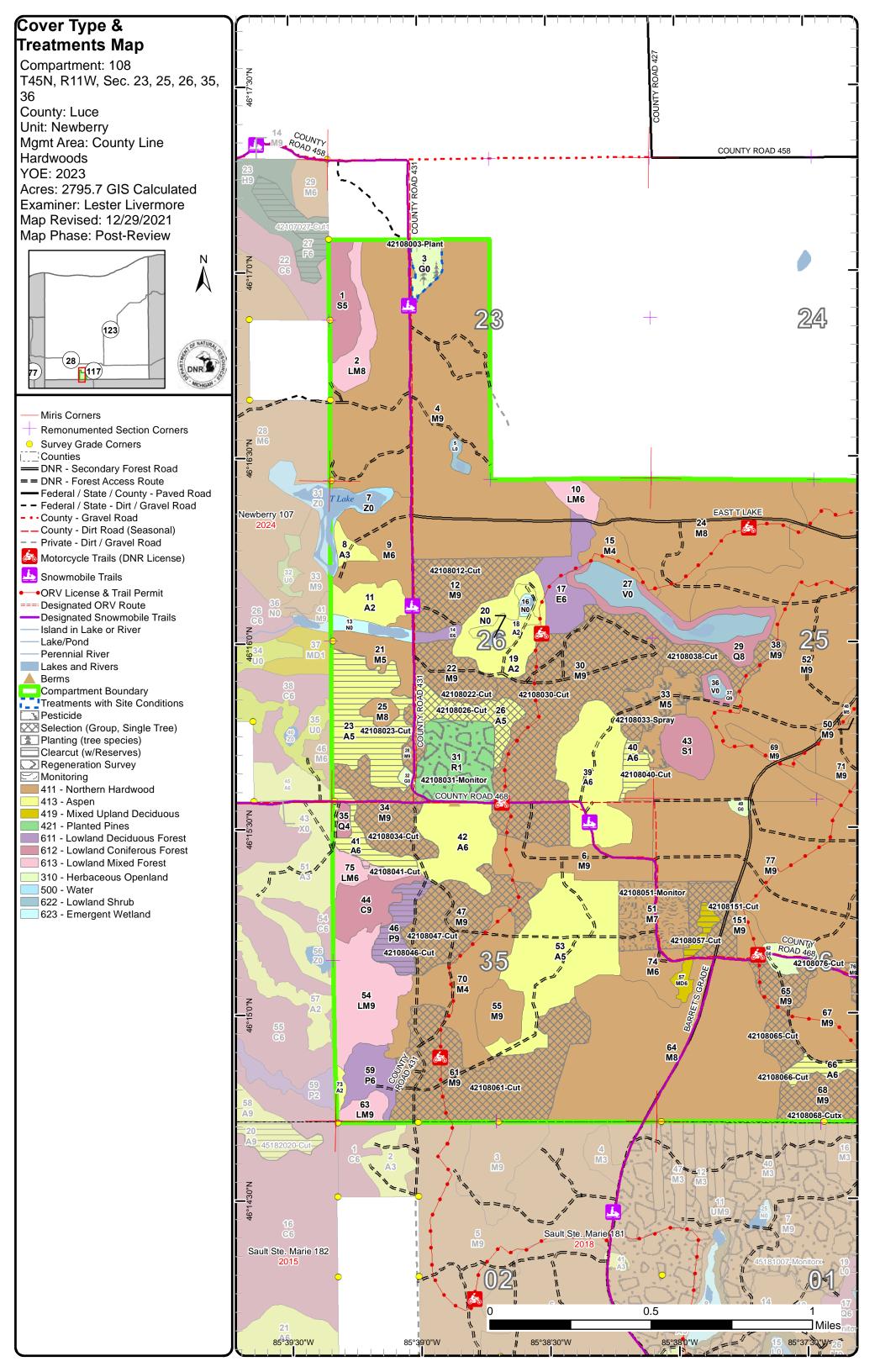
None.

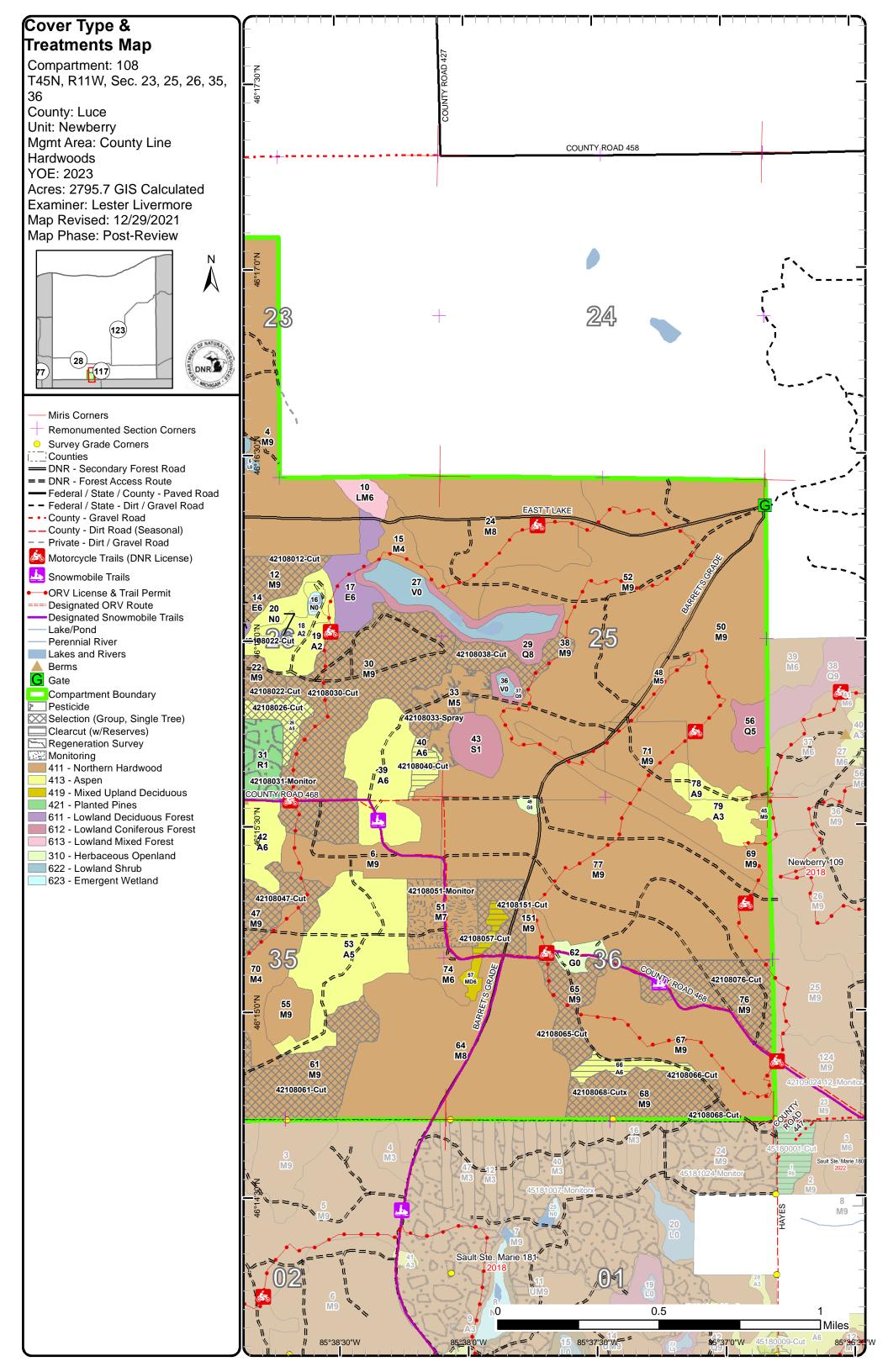
The following reports from the Inventory are attached:

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

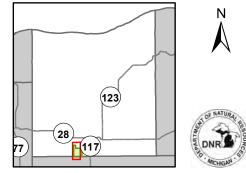


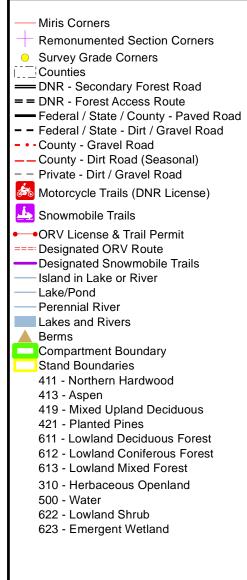


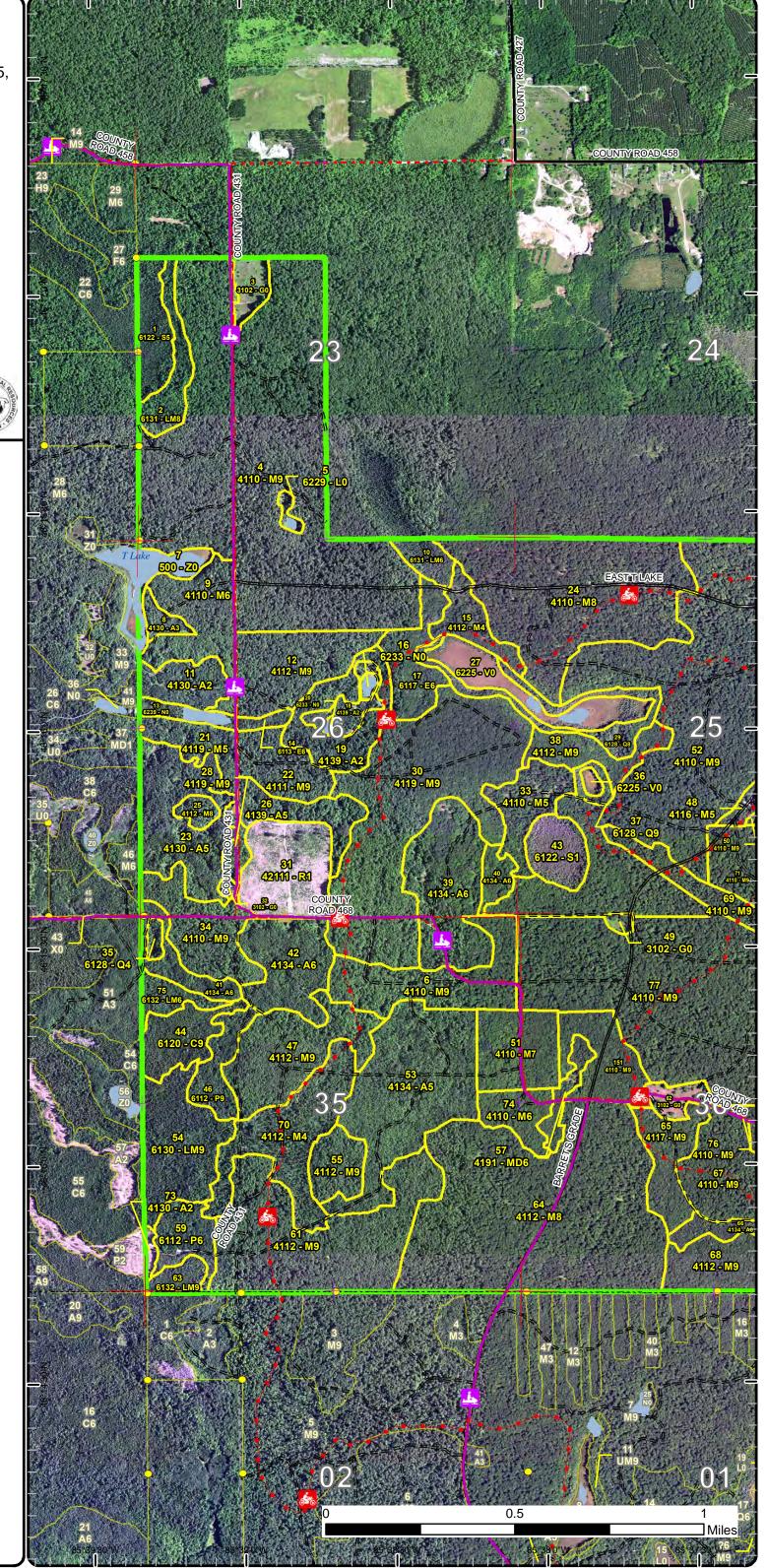


Stand Boundary Map

Compartment: 108 T45N, R11W, Sec. 23, 25, 26, 35, 36 County: Luce Unit: Newberry Mgmt Area: County Line Hardwoods YOE: 2023 Acres: 2795.7 GIS Calculated Examiner: Lester Livermore Map Revised: 12/29/2021 Map Phase: Post-Review

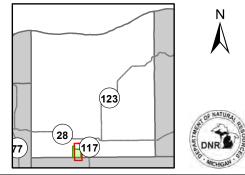


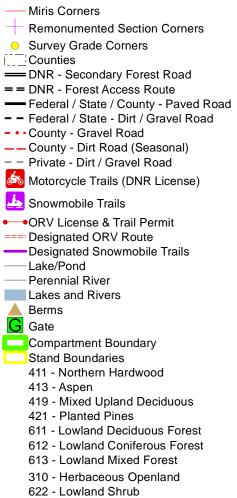




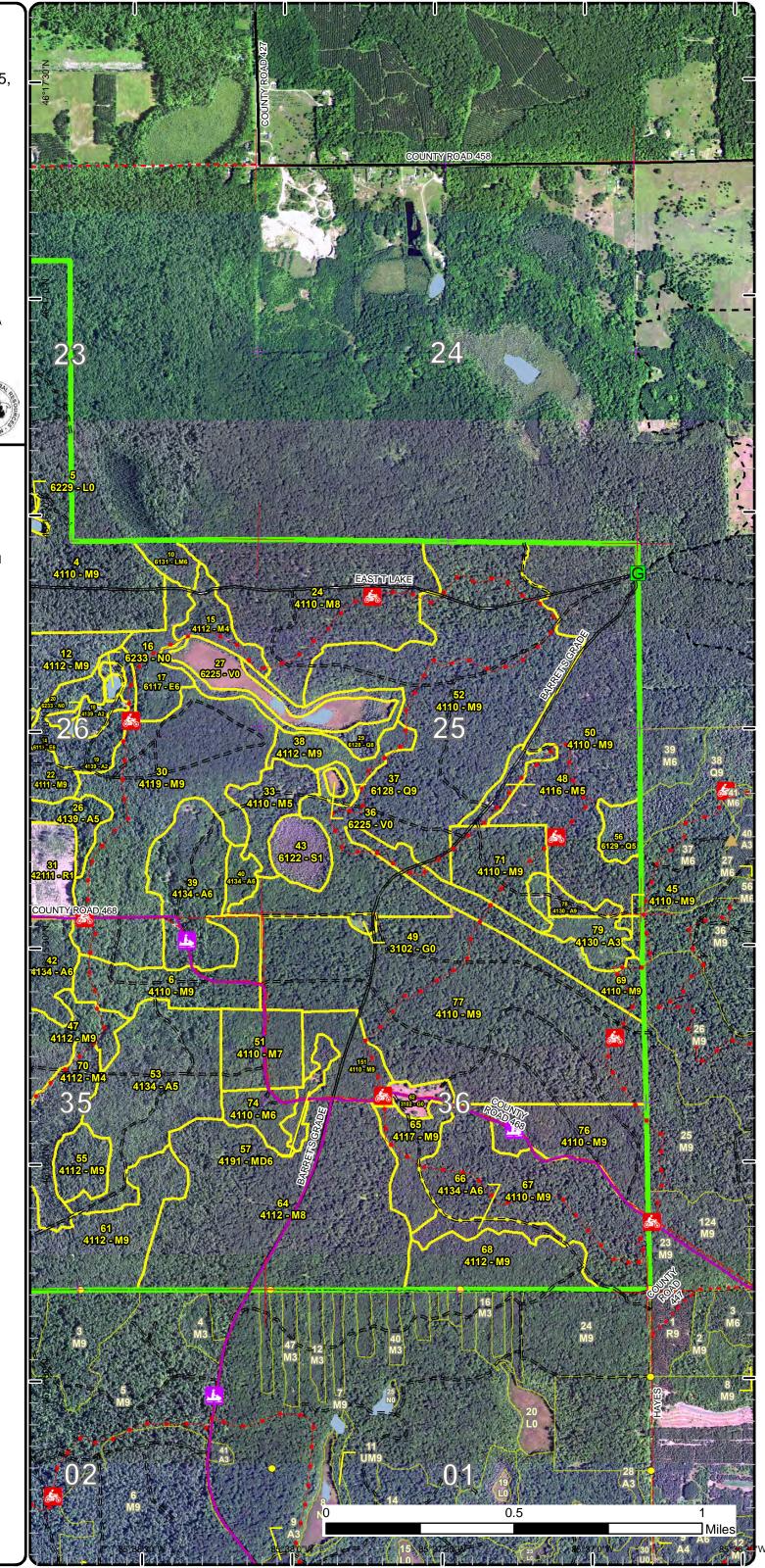
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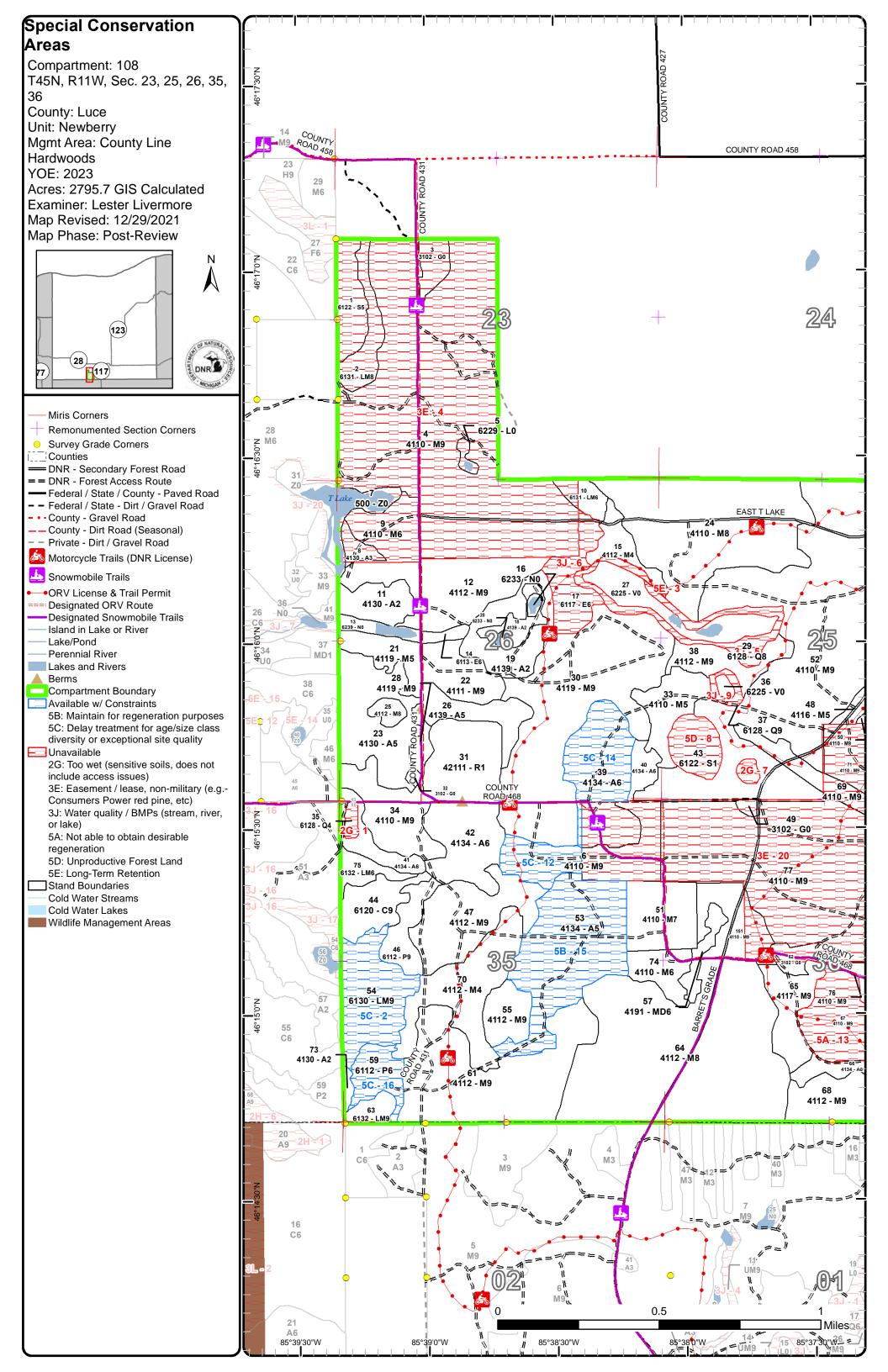
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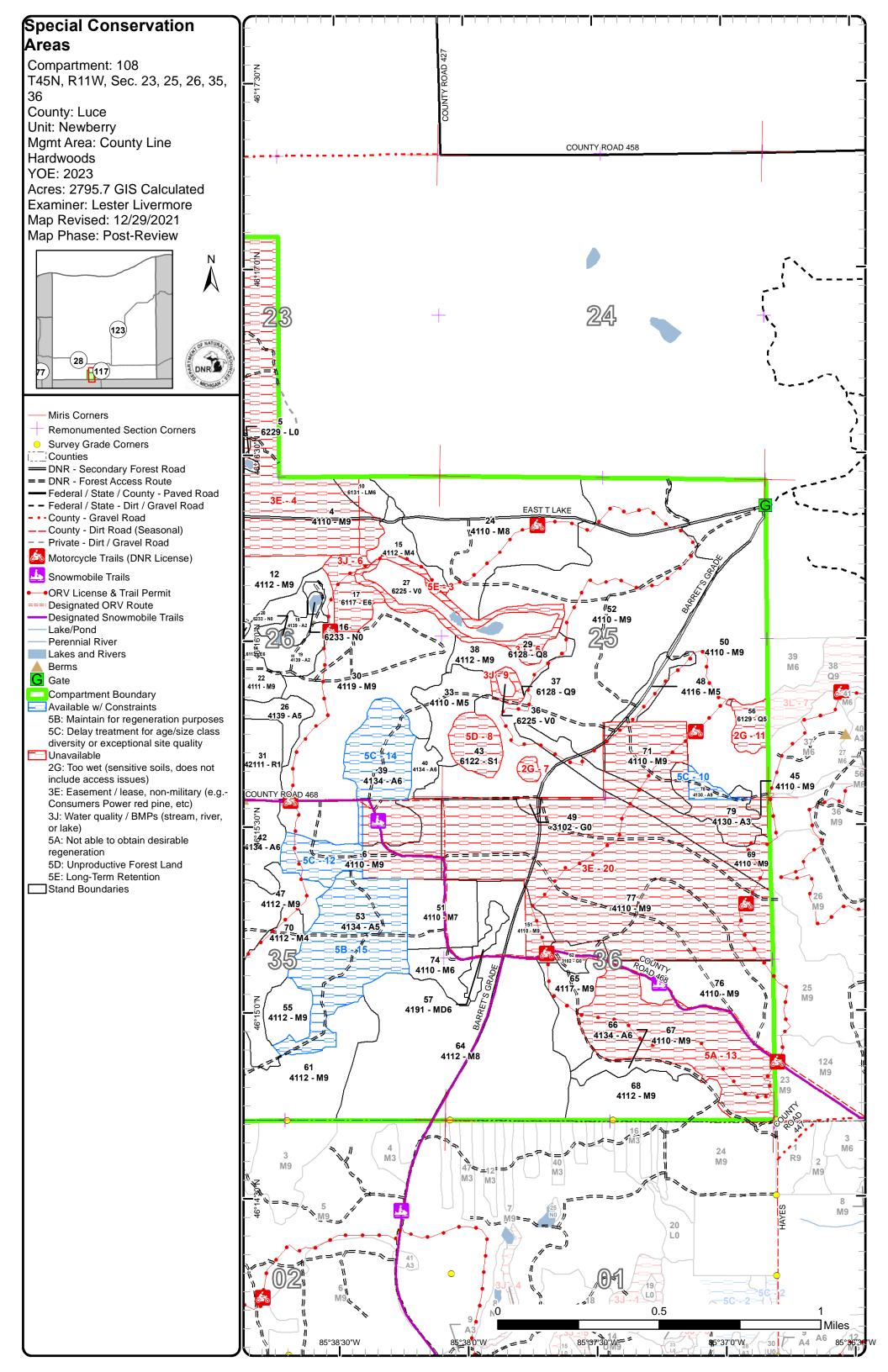




623 - Emergent Wetland



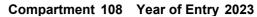




Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Lester Livermore : Examiner





Age Class

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Aspen	0	24	25	27	50	58	0	71	86	0	0	0	0	0	0	0	0	0	341
Bog	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Cedar	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20
Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	16	16	0	0	0	0	0	0	0	0	0	32
Lowland Conifers	0	0	0	0	0	0	0	0	17	0	0	20	0	0	0	0	0	0	37
Lowland Deciduous	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	23	25
Lowland Mixed Forest	0	0	0	0	0	9	0	8	0	59	7	0	0	0	0	0	0	0	82
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Spruce/Fir	0	0	0	0	0	0	17	0	0	0	0	19	0	0	0	0	0	0	35
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	48	15	0	59	61	1362	269	0	0	0	0	0	296	2110
Red Pine	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	70	61	25	27	50	115	35	95	186	120	1369	328	0	0	0	0	0	319	2795



Cover Type by Harvest Method

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Aspen		77	19	0	0	0	0	0	0	0	96	
Lowland Aspen/Balsam Poplar		16	0	0	0	0	0	0	0	0	16	
Mixed Upland Deciduous		5	0	0	0	0	0	0	0	0	5	
Northern Hardwood		0	507	0	0	0	0	0	0	0	507	
	Total	98	526	0	0	0	0	0	0	0	623	

Proposed and Next Step Treatments by Method

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Current		623	0	9	0	0	22	66	0	0	720	
Next Step		0	0	0	0	0	9	654	517	0	1179	
	Total	623	0	9	0	0	30	720	517	0	1899	

S		Newberry	Mgt. Unit		Repor	rt3	Treatments		Compartme Year of Ent		AT OF NATURAL PLEASE
t a	Treatment	A	Stand	Size	Stand	ва	Treatment	Treetment			
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Approved Treatments:

Passcription Seessing Plant scattered oak and apple trees to benefit wildlife. Seessing Pesticide, Hand Application: Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable, Grass with planted oak and apple trees planted scattered throughout. Treatment purpose to plant either additional or supplement mortality. Commont: Site bas oak and apple trees planted scattered throughout. Treatment purpose to plant either additional or supplement mortality. Commont: Site Condition Non-Military Lease/Easement Proposed Start Date: 10/1 /2022 12 42108012-Cut Association 38.0 4112 - Maple, Sawimber 98 111- Harvest Single Tree 411 - Northern Uneven- Association Prescription: This the stand to approximately 70-00 basal area while following standard marking guidelines. Leave a representation of fordet trees (for Secs: at least % to 23 of the way up for future nest trees) and large wildfile trees. Target overmature and portornhealth individuals while to allowing: Avoid creating large cancery openings; avoid regeneration apps larger than 1 chain diameter; avoid marking to a lower basal a tran prescribed; discourage soil disturbance upon harvest. NetLStep. Monitoring, Natural Regen (Intermediate); Other, Pre-Commercial Thinning - Hand Treatments; Site Condition Proceed Start Date: 1011 / 2022 22 42108022-Cut 21.5 4111 - SMaple, Sawimber 98 81-110 Harvest Single Tree		8003- ant	8.8	3102 - Grass	Nonstocked	Immatu re	Planting	Interplant	330 - Low- Density Trees		N
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Comment: Site Condition		Maple, c	herry and	l yellow birch.							
Proposed Start Date: 10/1 /2022	Site Conditio	n									
	Proposed Sta	art Date:	10/1 /202	22							

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S t			Newberry	Mgt. Unit		Repo	rt 3	Treatments		Compartmer Year of Entr		DNR DR C
a n d	Treatr Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	421080	23-Cut	46.1	4130 - Aspen	Poletimbe Medium			Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Spec</u> <u>Next</u>		5%. Re scattere	tain some r ed across th		the red line. 9-15 inches	Ċreate	1 drumm	ing log per 4 ac	d and birch. Retain a res by hinge cutting he redline.			
<u>Acce</u> Rege		Aspen	with maple,	, cherry, fir and b	irch.							
<u>Othe</u> Com	<u>r</u> ment:	Two inc	h specifica	tion on hardwoo	d within the t	imber s	ale contra	act to promote a	aspen regen.			
	Conditic osed St	_	10/1 /202	22								
26	421080	026-Cut	19.2 I	4139 - Aspen, Mixed Deciduous	Poletimbe Medium		81-110	Harvest	Group Selection	4116 - Mixed N. Hardwood - Aspen	Uneven- Aged	No
Preso Spec		success 70 ft^2	sion. Areas	of higher basal a Leave a represe	area mark ov	verstory	maple, c	herry and birch	creating canopy gap providing for future 2/3 of the way up for	forest health. Do	not thin the sta	and below
	<u>Step</u> ments:	Monitor	ing, Natura	l Regen (Re-Inve	entory)							
<u>Acce</u> Rege		Maple,	cherry, yell	ow birch, fir with	aspen.							
<u>Other</u> Com	<u>r</u> ment:	Some a	ireas will ne	eed to be cut tree	e marked wh	ereas o	thers can	be specified w	ithin the timber sale	contract.		
Site (Conditic	n										
Prop	osed St	art Date:	10/1 /202	22								
28	421080)28-Cut	5.7 No	4119 - Mixed orthern Hardwood	Sawtimbe ds Well	er 78	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<u>Preso</u> Spec		limit ras		l elderberry rege					rest but leave a few tain conifer and a fe			
	<u>Step</u> iments:	Monitor	ing, Natura	al Regen (Interme	ediate)							
<u>Acce</u> Rege		Maple,	birch, and o	cherry with bass	wood and fir.							
<u>Other</u> Comi	<u>r</u> ment:	Mark ar	ny road haz	zards that exist w	ithin the site	. Nest t	rees have	fork that is at l	east 1/2 to 2/3 of the	way up.		
Site C	Conditic	n										
Prop	osed St	art Date:	10/1 /202	22								

S t		Newberry	Mgt. Unit		Repoi	rt 3 1	Freatments		Compartmen Year of Entry		DNR DNR
а	reatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
30 42	2108030-Cut		4119 - Mixed orthern Hardwoods	Sawtimbe Well	er 98	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
Prescrip Specs:	individ trees) of high creatir	uals while ha and large wi quality che g large cano	arvesting all diame ildlife trees. Retain rry where it exists.	ter classes conifer an Limit elder regenation	s. Leave d a few berry ar	e a represe aspen in nd raspbe	entation of forke the stand, espe rry regeneratior	ng guidelines. Targ ed trees (fork is at le cially along adjacen n and promote suga oid marking to a low	east ½ to 2/3 of th t aspen stands. F r maple by doing	e way up for Retain a repre the following	future nes esentation : Avoid
<u>Next Ste</u> Treatme		ring, Natura	ll Regen (Intermedi	ate); Othe	er, Pre-0	Commerci	al Thinning - Ha	and			
<u>Accepta</u> <u>Regen:</u>		maple with I	red maple, birch, cl	herry and	infreque	ent aspen.					
<u>Other</u> Comme		ns of the sta	nd will be a light m	arking, wh	ile centr	al norther	n portion currer	ntly high BA.			
Site Cor	ndition										
Propose	ed Start Date	<u>e:</u> 10/1 /202	22								
31 4	42108031- Monitor		42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	4	Immatu re	Monitoring	Artificial Regen(3yr)	42110 - Planted Red Pine	Even-Aged	l No
<u>Prescrip</u> Specs:	<u>otion</u> monito	r for regen									
<u>Next Ste</u> Treatme	/	r, Pre-Comr	mercial Thinning - I	Hand							
<u>Accepta</u> <u>Regen:</u>	<u>able</u> Accep	table regene	eration is Red/White	e Pine.							
<u>Other</u> Comme		nt to Treat =	100%								
Site Cor	ndition										
<u>Propose</u>	ed Start Date	<u>e:</u> 10/1 /202	20								
33 4	42108033- Spray	21.5 41	110 - Sugar Maple Association	Poletimbe Medium		1-50	Pesticide	Hand Application	411 - Northern Hardwood	Uneven- Aged	No
<u>Prescrip</u> Specs:	<u>otion</u> Herbic	ide applicati	ion for wild parsnip	within the	site.						
<u>Next Ste</u> Treatme		ring, Herbic	ide Use								
<u>Accepta</u> <u>Regen:</u>		tly observed	d species except wi	ild parsnip							
<u>Other</u> Comme		on WLD red	commendations an	d adminis	tration.						
	ndition										
Site Cor											

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S		Newberry	Mgt. Unit		Repoi	rt 3 ⁻	Treatments		Compartmen Year of Entry		OF NATURAL PRODUCT
t a											AHO MICHIGAN
n Treat d Na		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
34 42108	034-Cut	32.1 41	110 - Sugar Maple Association	Sawtimbe Well	r 94	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
Prescription Specs:	individ conifer Limit e regene	uals. Leave and a few a Iderberry ar ration gaps	a representation o aspen in the stand, nd raspberry regen	of forked tre , especially eration and n diameter;	es (fork along a promo avoid r	c is at leas adjacent a te sugar r	st ½ to 2/3 of the aspen stands. R maple by doing	standard marking g e way up for future r tetain a representati the following: Avoid area than prescribed	nest trees) and lar on of high quality creating large ca	ge wildlife tre cherry where nopy opening	es. Retain it exists. s; avoid
<u>Next Step</u> Treatments:		ring, Natura	l Regen (Intermed	iate); Othe	er, Pre-C	Commerci	ial Thinning - Ha	and			
Acceptable Regen:	Sugar	maple with	red maple, black c	herry.							
<u>Other</u> <u>Comment:</u>			asses overreprese of the stand will be			er distribu	ition probably ir	n part due to lack of	maple regeneration	on over the la	ist few
Site Conditie	on										
Proposed S	tart Date	<u>:</u> 10/1 /202	22								
38 42108	038-Cut	17.9	4112 - Maple, Beech, Cherry Association	Sawtimbe Well	r 82	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
Prescription Specs:	least ½	to 2/3 of the the transformed at the tented of the tented tente	ne way up for future	e nest trees where it ex	s) and la	arge wildli oid large	fe trees. Focus canopy gaps to	classes. Leave a re on poor form maple limit raspberry and sts.	and cherry for re	moval while r	etaining a
<u>Next Step</u> Treatments:		ring, Natura	ll Regen (Intermed	iate)							
Acceptable Regen:	Maple	and cherry	with a component	of ironwood	l, beech	n, red map	ole, birch and ba	asswood.			
<u>Other</u> Comment:	Lowlar	id stand to t	he north is sufficie	nt buffer fo	r the lov	wlands for	the timber sale	9.			
Site Condition	on										
Proposed S	tart Date	<u>:</u> 10/1 /202	22								
40 42108	040-Cut	6.9	4134 - Aspen, Spruce/Fir	Poletimbe Well	r 72	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Prescription Specs:	Cut all acreag	•	luding aspen, birch	n, maple, cl	nerry, b	alsam an	d spruce. Retaii	n any large white pir	ne. No other reten	tion needed l	based on
<u>Next Step</u> Treatments:		ring, Natura	l Regen (Re-Inven	itory)							
Acceptable Regen:	Aspen	with sugar a	and red maple, che	erry, birch a	and fir.						
<u>Other</u> <u>Comment:</u>											
Site Condition	on										
Proposed S	tart Date	<u>:</u> 10/1 /202	22								

S t a		lewberry	Mgt. Unit	I	Repo	rt3 ˈ	Treatments		Compartmen Year of Entry	l:	DNR
a n Trea	tment dame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
41 4210	3041-Cut	13.4	4134 - Aspen, Spruce/Fir	Poletimbe Well	r 46	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
Prescriptio Specs:	log per 2		hinge cutting or tip					any white pine. Porton of the stand that			
<u>Next Step</u> Treatments		ig, Natura	l Regen (Re-Inver	ntory)							
Acceptable Regen:	Aspen ar	nd birch w	ith some spruce a	nd fir.							
<u>Other</u> Comment:	Old skid	trail may :	serve as the south	ern bounda	ry.						
Site Condit			_								
	Start Date: 3046-Cut		6112 - Lowland Aspen	Sawtimbe Well	r 77	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	N
Prescriptio Specs:	n Cut all sp	ecies pre	•	vigorous ev	ven age	ed stand.	Pocket retention	n 3 - 5%. Wetter po	·	may serve as	retentio
Next Step Treatments		g, Natura	l Regen (Re-Inver	ntory)							
Acceptable Regen:	Aspen wi	th maple,	black ash, birch,	cedar, fir, h	emlock	and white	e pine.				
<u>Other</u> Comment:		and south s present		e site will be	e more	diverse ir	n regeneration ar	nd are wetter. Pote	entially winter harvo	est based on s	oil
Site Condit	ion										
Proposed S	Start Date:	10/1 /202	2								
47 4210	3047-Cut	44.5	4112 - Maple, Beech, Cherry Association	Sawtimbe Well	r 92	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	N
Prescriptio Specs:	represen guideline	tation of f	orked trees (fork is	s at least 1/2	to 2/3	of the way	y up for future ne	st while promoting est trees) and large y and raspberry es	e wildlife trees. Fol	low standard n	
<u>Next Step</u> Treatments		ig, Natura	l Regen (Intermed	liate); Othe	r, Pre-(Commerc	ial Thinning - Ha	and			
Acceptable Regen:	Sugar ma	aple, red ı	maple, cherry, with	n some asp	en.						
	•		he stand are done	e poles; att	ention	to harvest	ting operations s	hould be consider	ed while marking.		
<u>Other</u> Comment:	Some po	rtions of t	ne stand are dens								
	·	mons of t									

Newberry Mgt. Unit **Report 3 -- Treatments** Compartment: 108 S Year of Entry: 2023 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 29.4 4110 - Sugar Maple 51 42108051-Sawtimber 96 1-50 Monitorina Other - Specify 411 - Northern Even-Aged No Hardwood Association Monitor Poor Prescription Monitoring of research results to be done by MSU (MWR research project) Specs: Next Step Treatments: Acceptable northern hardwoods Regen: Other Percent to Treat = 100% Comment: Site Condition Proposed Start Date: 4 /1 /2020 42108057-Cut 4191 - Mixed 72 57 Poletimber 51-80 Harvest Clearcut 413 - Aspen Even-Aged No 4.8 Upland Deciduous Well with Conifer Prescription Cut all species to promote aspen regeneration. No retention due to small acreage. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Aspen with maple and cherry. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 42108061-Cut Sawtimber 411 - Northern 61 90.4 4112 - Maple, 95 81-110 Harvest Single Tree Uneven-No Beech, Cherry Well Selection Hardwood Aged Association Prescription Thin the stand to 80ft2 basal area. Follow standard marking guidelines. Target overmature and poor form individuals, especially in the western portion, whereas the eastern portion focus on thinning the pole size classes. Harvest all aspen and ironwood. Acreage may change Specs: upon sale prep. Leave a representation of forked trees (fork is at least ½ to 2/3 of the way up for future nest trees) and large wildlife trees. Retain a representation of high quality cherry where it exists. Monitoring, Natural Regen (Intermediate); Other, Pre-Commercial Thinning - Hand Next Step Treatments: Acceptable Sugar maple with red maple, fir, yellow birch and aspen. Regen: Other Portions of the stand will be a light thinning to achieve basal area. Exclude any areas with the boundary line that may have low or adequate Comment: basal area. Site Condition Proposed Start Date: 10/1 /2022

Newberry Mgt. Unit **Report 3 -- Treatments** Compartment: 108 S Year of Entry: 2023 t а Treatment Stand Size Stand BA Treatment Treatment Cover Type Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 65 42108065-Cut 22.7 4117 - Mixed N. Sawtimber 82 141-Harvest Sinale Tree 411 - Northern Two-Aged No Hardwood - Pine Selection Hardwood Well 170 Prescription Thin the stand to approximately 80 - 90 basal area. Follow marking guidelines and target poor health/form individuals including cherry with black knot. Retain a representation of high quality cherry where it exists. Leave a representation of forked trees (fork is at least 1/2 to 2/3 of Specs: the way up for future nest trees) and large wildlife trees. Avoid regeneration gaps to avoid raspberry and elderberry introduction. Retain a representation of large white pine and high quality cherry. Summer harvest to promote soil disturbance for regeneration purposes. Next Step Monitoring, Natural Regen (Intermediate): Other, Pre-Commercial Thinning - Hand Treatments: Acceptable Maple and cherry with balsam and white pine. Regen: Other Standard atv trail protections during harvest and upon sale closure. Comment: Site Condition Proposed Start Date: 10/1 /2022 66 42108066-Cut 10.7 4134 - Aspen. Poletimber 45 81-110 Harvest Clearcut 413 - Aspen Even-Aged No Spruce/Fir Well Prescription Target all species for harvest. No retention due to small acreage. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable Aspen with maple, cherry birch and fir. Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 42108068-Cut 2.5 4112 - Maple, Sawtimber 92 111-Harvest 411 - Northern No 68 Single Tree Even-Aged Beech, Cherry Well 140 Selection Hardwood Association Prescription Mark stand to 80 to 90 Basal Area. Retain all beech and conifer. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Don't cut any conifer Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Northern Hardwoods Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2017

S t	Newberry	v Mgt. Unit		Repoi	rt3 ˈ	Treatments		Compartmen Year of Entr		DNR
a n Treatn d Nam		Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit
68 42108 Cu		4112 - Maple, Beech, Cherry Association	Sawtimbe Well	er 92	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
Prescription Specs:	individuals while h trees) and large w regeneration and	narvesting all diam vildlife trees. Retair	eter classes conifer an ple by doin	s. Leave d a repr g the fol	e a repres esentatio lowing: A	sentation of forke on of high quality	d trees (fork is at cherry where it ex	get overmature an least ½ to 2/3 of th kists. Limit elderbei gs; avoid marking	e way up for rry and raspb	future ne erry
<u>Next Step</u> Treatments:	Monitoring, Natura	al Regen (Intermed	diate); Othe	er, Pre-C	Commerc	ial Thinning - Ha	nd			
Acceptable Regen:	Maple and cherry	with balsam.								
<u>Other</u> Comment:										
Site Conditio	ב									
Proposed Sta	art Date: 10/1 /202	22								
76 421080	76-Cut 46.4 4	110 - Sugar Maple Association	Sawtimbe Well	er 95	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	Ν
Prescription Specs:	individuals while h trees) and large w regeneration and	harvesting all diam vildlife trees. Retain	eter classes n conifer an ple by doin	s. Leave d a repr g the fol	e a repres esentatio lowing: A	entation of forke on of high quality	d trees (fork is at cherry where it ex	get overmature an least ½ to 2/3 of th ists. Limit elderbei gs; avoid marking	e way up for rry and raspb	future ne erry
<u>Next Step</u> Treatments:	Monitoring, Natura	al Regen (Intermed	diate); Othe	er, Pre-0	Commerc	ial Thinning - Ha	nd			
Acceptable Regen:	Sugar maple with	yellow birch and b	lack cherry							
<u>Other</u> Comment:	Portion of the star	nd went untreated	several inve	entory cy	ycles.					
Site Conditio	<u>1</u>									
Proposed Sta	art Date: 10/1 /202	22								
151 421081	51-Cut 18.1 4	110 - Sugar Maple Association	Sawtimbe Well	er 96	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Ν
Prescription Specs:	individuals while h trees) and large w regeneration and	narvesting all diam vildlife trees. Retair	eter classes n conifer an ple by doin	s. Leave d a repr g the fol	e a repres esentatio lowing: A	sentation of forke on of high quality	d trees (fork is at cherry where it ex	get overmature an least ½ to 2/3 of th xists. Limit elderbei gs; avoid marking	e way up for rry and raspb	future ne erry
<u>Next Step</u> Treatments:	Monitoring, Natura	al Regen (Intermed	diate); Othe	er, Pre-C	Commerc	ial Thinning - Ha	nd			
Acceptable Regen:	Maple and cherry	with spruce, balsa	m, white pi	ne, aspe	en and bii	rch.				
<u>Other</u> Comment:	Treatment over a	portion of the stan	d due to sp	lit stand	and luce	e county lease sit	e condition.			
Site Conditio	<u>1</u>									

Total Treatment 719.6 Acreage Proposed:

Compartment: 108 Year of Entry: 2023

Lester Livermore : Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	Cond	ditions	6			
Acres	Available	With Condition	Not Available		5B	5C	2G	3E	3J	5A	5D	5E
341	186	119	36	Aspen	79	40		36				
27	27	0	0	Bog					0			
20	20	0	0	Cedar								
20	4	0	17	Herbaceous Openland				17				
32	16	16	0	Lowland Aspen/Balsam Poplar		16						
37	0	0	37	Lowland Conifers			13		24			
26	3	0	22	Lowland Deciduous				0	22			
83	22	42	19	Lowland Mixed Forest		42		19				
3	0	0	3	Lowland Shrub				3				
35	0	0	35	Lowland Spruce/Fir				19			17	
9	9	0	0	Marsh								
8	8	0	0	Mixed Upland Deciduous								
2107	1380	18	709	Northern Hardwood		18	3	615	0	88		3
37	37	0	0	Red Pine								
10	1	0	10	Water				10				
2,796	1,712	196	888	Total Forested Acres	79	117	16	718	46	88	17	3
	61%	7%	32%	Relative Percent								

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Compartment: 108

Lester Livermore : Examiner

Newberry Mgt. Unit

Year of Entry: 2023

3	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Buffer left along OF	RV trail to serve as retention are	a.				
4	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	355	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Luce County Lease	e Lands					
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	23				
	Comments:						
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Lowland mixed poo	cket previously delineated as its	own stan	d.			
8	Unavailable	5D: Unproductive Forest Land	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		vberry Mgt. Unit rmore : Examiner		Report 4 – Site Con	ditions	Compartment: 10 Year of Entry: 20	
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments:						
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consider treatmen	t next YOE					
13	Unavailable	5A: Not able to obtain desirable regeneration	88	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: See stand comme	nts for current regeneration leve	ls. Cons	ider treatment next YOE a	fter regeneration is allowe	ed to flush.	
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consider treatmen	t next cycle.					

Compartment: 108

Lester Livermore : Examiner

Newberry Mgt. Unit

Year	of	Entry:	2023

15	Available	5B: Maintain for regeneration purposes	79	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
-	comments: Consider next trea	tment next inventory cycle.					
20	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	363	Unspecified	Unspecified	Unspecified	Unspecified
	comments: uce County Lease	e Lands					



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



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 con- stocked trout populations and those of other coldwater fish s conditions for coldwater fishes may occur in Michigan lakes i groundwater inflows, or are located in colder (northern) areas Director's action and designated as trout resources by Fisher	pecies to persist from year to year. Suitable f they are relatively deep, have substantial s of the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen c stocked trout populations and those of other coldwater fish s year to year. Coldwater streams in Michigan typically provide contributions of groundwater to their stream flows. Such stread designated as trout resources by Fisheries Order 210.	pecies (e.g., slimy sculpin) to persist from these conditions due to substantial

Report 7 – Stands



DNR

1	6122 - B	lack Spruce	e Po	oletimber Mediu	m 18.7 100		N/A		Luce county lease land. Medium quality/stocking black spruce.
-	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	2	Sapling	2	Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	65	Pole	7 100					
	Tamarack	10	Pole	7					
	White Pine	10	Log	11					
	Hemlock	13	Log	11					
2	6131 - Hemlock, E	White Pine Birch	, Maple, Sa	awtimber Mediu	m 16.5 82	81-110	N/A		Luce county lease land. Southern half of the stand has more W.P and Hemlock as well as a few small wet openings with alder.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	35	Pole	5 82	Red Maple	Low	5 - 10 feet	Sapling	-
	Paper Birch	10	Pole	5	Quaking Aspen	Low	>20 feet	Sapling	-
	Balsam Fir	10	Pole	5	Black Spruce	Low	>20 feet	Sapling	
	Black Spruce	5	Pole	6	Tamarack	Low	Variable	Sapling	
	White Pine	30	Log	11					
	Hemlock	10	Log	11					
	3102 - Grass		Log	11					
3			LUg	Nonstocked	8.8	Immature	Managed C	Opening	Luce County Lease Lands. Site contains multiple planted and fenced
3			LOG		8.8 Sub-Canopy Species		Managed C Avg. Height)pening Size	Luce County Lease Lands. Site contains multiple planted and fenced apple trees. Site contains a lot of Spotted Knapweed.
3			LUG						
3			Log		Sub-Canopy Species Black Cherry Spotted Knapweed	Density	Avg. Height	Size Sapling Non-Wood	apple trees. Site contains a lot of Spotted Knapweed.
3			Lõg		Sub-Canopy Species Black Cherry	Density Low	Avg. Height 10 - 20 feet < 5 feet	Size Sapling	apple trees. Site contains a lot of Spotted Knapweed.
3			Lõg		Sub-Canopy Species Black Cherry Spotted Knapweed	DensityLowMedium	Avg. Height 10 - 20 feet	Sapling Non-Wood Tall Shrub Sapling	apple trees. Site contains a lot of Spotted Knapweed.
3			Lõg		Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry	Density Low Medium Medium	Avg. Height 10 - 20 feet < 5 feet	Size Sapling Non-Wood Tall Shrub Sapling Pole	apple trees. Site contains a lot of Spotted Knapweed.
3			Lõg		Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.)	DensityLowMediumMediumTrace	Avg. Height 10 - 20 feet < 5 feet < 5 feet	Sapling Non-Wood Tall Shrub Sapling	apple trees. Site contains a lot of Spotted Knapweed.
3		2 - Grass			Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak	DensityLowMediumMediumTraceTrace	Avg. Height 10 - 20 feet < 5 feet < 5 feet >20 feet	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling	apple trees. Site contains a lot of Spotted Knapweed.
_	3102	2 - Grass Maple Assoc		Nonstocked	Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak	DensityLowMediumMediumTraceTraceTraceTrace51-80	Avg. Height 10 - 20 feet < 5 feet < 5 feet >20 feet < 5 feet	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling	apple trees. Site contains a lot of Spotted Knapweed. County lease land. Very nice hardwood stand. Lower basal area in some areas. Good SM regeneration throughout the stand, however deer
	3102 4110 - Sugar I	2 - Grass Maple Assoc	ciation	Nonstocked Sawtimber Well	Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak 269.4 100	DensityLowMediumMediumTraceTraceTraceTrace51-80	Avg. Height 10 - 20 feet < 5 feet < 5 feet >20 feet < 5 feet N/A	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling	apple trees. Site contains a lot of Spotted Knapweed.
	3102 4110 - Sugar I Canopy Species	2 - Grass Maple Assor % Cover	ciation Size Class	Nonstocked Sawtimber Well	Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak 269.4 100 Sub-Canopy Species	Density Low Medium Medium Trace Trace 51-80	Avg. Height 10 - 20 feet < 5 feet >20 feet < 5 feet N/A Avg. Height	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling Size	apple trees. Site contains a lot of Spotted Knapweed. County lease land. Very nice hardwood stand. Lower basal area in some areas. Good SM regeneration throughout the stand, however deer
	3102 4110 - Sugar I Canopy Species Sugar Maple	2 - Grass Maple Assoc % Cover 65	ciation Size Class Log/Pole	Nonstocked Sawtimber Well DBH Age	Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak 269.4 100 Sub-Canopy Species Sugar Maple	Density Low Medium Medium Trace Trace Trace 51-80	Avg. Height 10 - 20 feet < 5 feet < 5 feet >20 feet < 5 feet N/A Avg. Height 10 - 20 feet	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling Size Sapling	apple trees. Site contains a lot of Spotted Knapweed. County lease land. Very nice hardwood stand. Lower basal area in some areas. Good SM regeneration throughout the stand, however deer
	3102 4110 - Sugar M Canopy Species Sugar Maple Red Maple	2 - Grass Maple Assoc % Cover 65 10	ciation Size Class Log/Pole Pole/Log	Nonstocked Sawtimber Well DBH Age 12 100 9	Sub-Canopy Species Black Cherry Spotted Knapweed Wild Red Raspberry Apple (spp.) White Pine Red Oak 269.4 100 Sub-Canopy Species Sugar Maple Black Cherry	Density Low Medium Medium Trace Trace Trace 51-80 Density High Low	Avg. Height 10 - 20 feet < 5 feet < 5 feet < 20 feet < 5 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet	Size Sapling Non-Wood Tall Shrub Sapling Pole Sapling Sapling Size Sapling Sapling	apple trees. Site contains a lot of Spotted Knapweed. County lease land. Very nice hardwood stand. Lower basal area in some areas. Good SM regeneration throughout the stand, however deer

Report 7 – Stands

OF NATURAL PRODUCTS

Stanc	Level 4 C	over Type	\$	Size Densit	y	Acres	Stand Age	BA Range	Managed S	Site	General Comments	
6	4110 - Sugar M	laple Asso	ciation S	awtimber W		42.3	96	111-140	N/A		Stand was part of a larger stand before being broken up by MWR	
	Canopy Species	% Cover	Size Class	DBH Ag	e	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest. Eastern portion of the stand is Luce County lease land.	
	Sugar Maple	65	Log/Pole/XLog	j 11 96	;	Sug	ar Maple	Medium	Variable	Sapling		
	Red Maple	5	Log/Pole	10		Irc	nwood	Low	Variable	Sapling		
	Basswood	10	Log/Pole	12		E	Beech	Low	5 - 10 feet	Sapling		
	Black Cherry	15	Log/Pole	12		Ba	lsam Fir	Medium	10 - 20 feet	Sapling	-	
	Ironwood	5	Pole	8								
7	500 -	Water		Nonstocke	ł	10.3			No		T-Lake. Luce County Lease Land.	
						Sub-Ca	nopy Species	Density	Avg. Height	Size		
						Lea	atherleaf	High		Tall Shrub		
						Рар	per Birch	Low		Sapling		
							Alder	Low		Tall Shrub		
						Wh	ite Pine	Low		Sapling		
8	4130	- Aspen		Sapling We	II	5.4	9	Immature	N/A		Fully stocked aspen stand harvest last inventory cycle. Luce county lease	
	Canopy Species	% Cover	Size Class	DBH Ag	e							
	Red Maple	15	Sapling	1 9								
	Quaking Aspen	75	Sapling	1 9								
	Balsam Fir	5	Sapling	3								
	White Pine	5		Pole	9							
9	4110 - Sugar M	laple Asso	ciation P	oletimber W	/ell	35.1	98	51-80	N/A		Good SM regeneration in spots throughout the stand, however deer	
	Canopy Species	% Cover	Size Class	DBH Ag	e	Sub-Ca	nopy Species	Density	Avg. Height	Size	browse is very heavy. More open areas have maple, ironwood, cherry and paper birch regen. Portion of stand harvested last inventory cycle.	
	Sugar Maple	81	Pole/Log	8 98		Sug	ar Maple	Medium	5 - 10 feet	Sapling	Portion of stand is part of Luce County Lease land.	
	Beech	5	Log/Pole	11		Irc	onwood	Low	10 - 20 feet	Sapling		
	Black Cherry	10	Pole/Log	9				I				
	Paper Birch	3	Pole/Log	8								
	Quaking Aspen	1	Log/XLog	14								
10	6131 - Hemlock, B	White Pine irch	, Maple, P	oletimber W		8.3	60	81-110	N/A		Low area with mixed species. Intermittent water drainage. Luce County Lease Land.	
	Canopy Species	% Cover	Size Class	DBH Ag	e	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	30	Sapling/Pole	4 60		Та	g Alder	Medium	5 - 10 feet	Tall Shrub		
	Yellow Birch	10	Sapling	2								
	Bigtooth Aspen	5	Pole	6]							
	Balsam Fir	10	Sapling/Pole	4								
	Black Spruce	20	Pole	6	1							
	White Pine	20	Log/Pole	11								
	Hemlock	5	Pole	6	1							

Report 7 – Stands

F

Year of Entry: 2023

and	d Level 4 Cover Type		Size Density								General Comments			
1	4130	- Aspen	Sa	Sapling Medium		16.1	18	Immature	N/A		T-Lake aspen sale 007-03-01, completed 10/22/03. Good QA stocking in			
	Canopy Species	% Cover	Size Class	DBH	I Age						most of the stand. Large grass openings throughout the stand. Road int the stand is blocked. Low/wet area in the western edge of the stand,			
	Red Maple	5	Sapling	3							consists of spruce, fir and some cedar.			
	Quaking Aspen	65	Sapling	2	18									
	Balsam Fir	5	Sapling	4										
	White Spruce	5	Pole	6										
	Black Cherry	20	Pole/Sapling	6										
2	4112 - Maple, Beec	ch, Cherry A	Association Sa	awtimb	er Well	38.0	98	111-140	N/A		Current basal area around between 100 and 120 ft^2. Good class of			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	poles throughout the stand. Great regeneration of 1 inch diameter class of cherry and maple saplings now 5' to 20' tall. Ironwood regeneration			
	Sugar Maple	60	Log/Pole/XLog	12	98	Sug	gar Maple	Medium	5 - 10 feet	Sapling	also present. Raspberry growth has now subsided since the stand was			
	Red Maple	15	Pole/Log	9			Beech	Low	Variable	Sapling	cut as 431 Hardwoods, sale# 002-03-01 completed 4/21/2004.			
	Yellow Birch	5	Log/Pole	12		El	derberry	Low	5 - 10 feet	Tall Shrub				
	Basswood	5	Log/Pole	10		Bla	ck Cherry	Medium	10 - 20 feet	Sapling				
	Beech	5	Log	13							-			
	Black Cherry	10	Pole/Log	9										
3	6239 - Mixed E	Emergent W	/etland I	Nonsto	ocked	Ba Yel Bals	nopy Species Ilsam Fir Iow Birch am Poplar	Low Trace Trace	No Avg. Height	Size Sapling Pole Pole				
		_		Nonsto	bocked	Sub-Ca Ba Yel Bals Wi Pa Blac	alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder	 Density Low Trace Trace Low Trace Trace Medium 	Avg. Height	Sapling Pole	2			
		wland Map	le Pc	oletimb	er Well	Sub-Ca Ba Yel Bals WI Pa Blac	Ilsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce	 Density Low Trace Trace Trace Low Trace Trace 		Sapling Pole Log Sapling Pole Tall Shrub	□ Hardwood stand is limited by topography and is part of a drainage.			
	6113 - Lo Canopy Species	wland Map % Cover	le Po Size Class	bletimb	er Well	Sub-Ca Ba Yel Bals Wi Pa Blac 3.3 3.3	Alsam Fir low Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species	 Density Low Trace Trace Trace Trace Medium 51-80 Density 	Avg. Height	Sapling Pole Log Sapling Pole Tall Shrub	2			
	6113 - Lo Canopy Species Sugar Maple	wland Map % Cover	le Po Size Class Pole	Detimb DBF 8	er Well	Sub-Ca Bals Vel Bals Wi Pa Blac 3.3 Sub-Ca Sub-Ca	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple	 Density Low Trace Trace Low Trace Trace Medium 51-80 Density Low 	Avg. Height N/A Avg. Height 10 - 20 feet	Sapling Pole Log Sapling Pole Tall Shrub	□ Hardwood stand is limited by topography and is part of a drainage.			
	6113 - Lo Canopy Species Sugar Maple Red Maple	wland Map % Cover 60 10	le Po Size Class Pole Pole/Log	Detimb DBH 8 9	er Well	Sub-Ca Bals Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple	 Density Low Trace Trace Low Trace Addition S1-80 Low 	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage.			
	6113 - Lor Canopy Species Sugar Maple Red Maple Yellow Birch	wland Map % Cover 60 10 20	le Po Size Class Pole Pole/Log Log/XLog	Detimb DBH 8 9 17	er Well	Sub-Ca Bals Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple	 Density Low Trace Trace Low Trace Trace Medium 51-80 Density Low 	Avg. Height N/A Avg. Height 10 - 20 feet	Sapling Pole Log Sapling Pole Tall Shrub	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage.			
	6113 - Lo Canopy Species Sugar Maple Red Maple	wland Map % Cover 60 10	le Po Size Class Pole Pole/Log	Detimb DBH 8 9	er Well	Sub-Ca Bals Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple	 Density Low Trace Trace Low Trace Addition S1-80 Low 	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage.			
3 4 5	6113 - Lor Canopy Species Sugar Maple Red Maple Yellow Birch	wland Map % Cover 60 10 20 10	le Po Size Class Pole Pole/Log Log/XLog Pole	Detimb DBH 8 9 17 8	eer Well 52	Sub-Ca Bals Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple	 Density Low Trace Trace Low Trace Addition S1-80 Low 	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage.			
	6113 - Lor Canopy Species Sugar Maple Red Maple Yellow Birch Basswood	wland Map Cover 60 10 20 10 ch, Cherry A	le Po Size Class Pole Pole/Log Log/XLog Pole	Detimb DBH 8 9 17 8 17	eer Well 52	Sub-Ca Ba Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re Ba	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple ad Maple alsam Fir	 Density Low Trace Trace Trace Trace Medium 51-80 5000000000000000000000000000000000000	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage.			
	6113 - Lo Canopy Species Sugar Maple Red Maple Yellow Birch Basswood 4112 - Maple, Beec Canopy Species Red Maple	wland Map Cover 60 10 20 10 ch, Cherry A	le Po Size Class Pole Pole/Log Log/XLog Pole Association Po	Detimb DBH 8 9 17 8 17	er Well 52 er Poor	Sub-Ca Bais Yel Bais Wi Pa Blac 3.3 Sub-Ca Sug Re Ba 15.0 Sub-Ca	Alsam Fir low Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species gar Maple ed Maple alsam Fir	 Density Low Trace Trace Trace Trace Medium 51-80 5000000000000000000000000000000000000	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 5 - 10 feet N/A	Sapling Pole Log Sapling Pole Tall Shrub Saling Sapling Sapling	 Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage. Poles occupy majority of the canopy across the stand. Substantial aspe regeneration with cherry, now 10 foot tall, overtopping hazelnut. Some places heavier to cherry regen. Pockets of hardwood regen. Cut in 2014 Final Harvest Mix (420271301). All aspen, balsam and spruce cut. 			
	6113 - Lo Canopy Species Sugar Maple Red Maple Yellow Birch Basswood 4112 - Maple, Beec Canopy Species	wland Map % Cover 60 10 20 10 ch, Cherry A % Cover	le Poi Size Class Pole Pole/Log Log/XLog Pole Pole	Detimb DBF 8 9 17 8 letimb DBF	er Well Age 52 er Poor Age	Sub-Ca Bals Yel Bals Wi Pa Blac 3.3 Sub-Ca Ba 15.0 Sub-Ca Re	Alsam Fir low Birch am Poplar hite Pine per Birch ck Spruce Alder 52 nopy Species ar Maple ad Maple alsam Fir 72 nopy Species	 Density Low Trace Trace Trace Low Trace Strace Medium Strace Density Low Low Low 1-50 Density 	Avg. Height Avg. Height N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage. Poles occupy majority of the canopy across the stand. Substantial asper regeneration with cherry, now 10 foot tall, overtopping hazelnut. Some places heavier to cherry regen. Pockets of hardwood regen. Cut in 2014 Final Harvest Mix (420271301). All aspen, balsam and spruce cut. Left one aspen per 5 acres, and didn't cross ORV trail along southern adapted.			
	6113 - Lo Canopy Species Sugar Maple Red Maple Yellow Birch Basswood 4112 - Maple, Beec Canopy Species Red Maple	wland Map % Cover 60 10 20 10 ch, Cherry A % Cover 50	le Po Size Class Pole Pole/Log Log/XLog Pole Association Po Size Class Pole	Detimb DBH 8 9 17 8 letimb DBH 5	er Well Age 52 er Poor Age	Sub-Ca Ba Yel Bals Wi Pa Blac 3.3 Sub-Ca Ba 15.0 Sub-Ca Re Ba	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 mopy Species gar Maple ad Maple alsam Fir 72 mopy Species ad Maple	 Density Low Trace Trace Trace Low Trace Aedium 51-80 Density Low Low Low T-50 Density Low 	Avg. Height	Sapling Pole Log Sapling Pole Tall Shrub Sapling Sapling Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage. Poles occupy majority of the canopy across the stand. Substantial aspe regeneration with cherry, now 10 foot tall, overtopping hazelnut. Some places heavier to cherry regen. Pockets of hardwood regen. Cut in 2014 Final Harvest Mix (420271301). All aspen, balsam and spruce cut. Left one aspen per 5 acres, and didn't cross ORV trail along southern adapted.			
	6113 - Lor Canopy Species Sugar Maple Red Maple Yellow Birch Basswood 4112 - Maple, Beer Canopy Species Red Maple Paper Birch	wland Map % Cover 60 10 20 10 20 10 ch, Cherry / % Cover 50 15	le Poisse Class Pole Pole/Log Log/XLog Pole Association Poisse Class Pole Pole Pole	Detimb DBH 8 9 17 8 Jetimb 5 5 5	er Well Age 52 er Poor Age	Sub-Ca Ba Yel Bals Wi Pa Blac 3.3 Sub-Ca Sug Re Ba 15.0 Sub-Ca Re Ba Hazelnu	Alsam Fir Iow Birch am Poplar hite Pine per Birch ck Spruce Alder 52 mopy Species gar Maple ad Maple alsam Fir 72 mopy Species ad Maple alsam Fir	 Density Low Trace Trace Trace Low Trace Low Trace Low 	Avg. Height	Sapling Pole Log Sapling Pole Tall Shrub Size Sapling Sapling Sapling Sapling	Hardwood stand is limited by topography and is part of a drainage. Similar HW stands were harvested north and south of the drainage. Poles occupy majority of the canopy across the stand. Substantial aspe regeneration with cherry, now 10 foot tall, overtopping hazelnut. Some places heavier to cherry regen. Pockets of hardwood regen. Cut in 2014 Final Harvest Mix (420271301). All aspen, balsam and spruce cut. Left one aspen per 5 acres, and didn't cross ORV trail along southern adapted.			

Report 7 – Stands



DNR

Stanc	Level 4 C	over Type		Size Density		Acres	Stand Age B	A Range	Managed S	Site	General Comments		
16	6233 - W	/et Meadow	V	Nonst	ocked	1.7 Unspecified No							
					Γ	Sub-Ca	nopy Species	Density	Avg. Height	Size			
						Wh	nite Pine	Low		Sapling			
						Blac	ck Cherry	Low		Pole	<u></u>		
17	6117 - Lowland Deciduous, Mixed Coniferous			Poletimber Well		22.5	78	51-80	N/A		Intermittent stream runs through the northern half of the stand and creates a significant pool of standing water. Culvert in the road in good		
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	shape. Overall is a nice mixed hardwood/softwood stand and should be left in tact to protect the intermittent stream.		
	Sugar Maple	25	Log/Pole	12	78	Sug	ar Maple	Medium	Variable	Sapling			
	Red Maple	33	Pole	9	78	Ba	Isam Fir	Medium	Variable	Sapling			
	Basswood	5	Pole	9		Irc	onwood	Low	Variable	Sapling			
	Beech	2	Pole/Log	8							1		
	Bigtooth Aspen	5	Pole	9									
	Balsam Fir	20	Pole	8									
18	4139 - Aspen,	Mixed Deci	iduous S	Sapling Medium		8.6	13 I	mmature	N/A		Few oak planted trees within the site appear to be doing well. Cherry		
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Canopy Species		Density	Avg. Height	Size	white pine seedlings starting to establish in the site.		
	Quaking Aspen	42	Sapling	1	13		ed Raspberry	Medium	< 5 feet	Tall Shrub			
	White Pine	18	Sapling	1			nite Pine	Low	< 5 feet	Seeding			
	Black Cherry	35	Sapling	1		Che	erry (spp.)	Medium	< 5 feet	Seeding			
	Red Oak	5	Sapling	1	2						1		
19	4139 - Aspen,	Mixed Deci	iduous S	Sapling Medium		27.0 26 I		mmature	N/A		Stand was part of multiple cuts. Sale #: 53-95, 36-94. Variable stand:		
	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	several openings with scrub BC, some pockets of hardwoods. Mainly consists of young aspen saplings.		
	Sugar Maple	15	Sapling/Pole	4		Sug	ar Maple	Medium	5 - 10 feet	Sapling			
	Red Maple	10	Sapling/Pole	4		Blac	ck Cherry	Low	10 - 20 feet	Sapling			
	Quaking Aspen	50	Sapling/Pole	3	26						-		
	Balsam Fir	5	Pole	6									
	White Pine	5	Pole	9									
	Black Cherry	15	Pole	6	46								
20	6233 - W	/et Meadow	V	Nonst	ocked	1.0	U	nspecified	No				
						Sub-Ca	nopy Species	Density	Avg. Height	Size			
							nite Pine	Trace		Sapling			
						Quak	ing Aspen	Low		Sapling			
							ang / topon						
							ck Cherry	Low		Sapling			

Report 7 – Stands



Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site **General Comments** 4119 - Mixed Northern Hardwoods Poletimber Medium 16.2 74 51-80 N/A Marginal pole stand. Canopy is open in small areas throughout the stand 21 and SM is coming through. **DBH Age Canopy Species** % Cover Size Class Sub-Canopy Species Density Avg. Height Size 50 Pole 9 74 Sugar Maple 10 - 20 feet Sugar Maple High Sapling 9 Basswood 25 Pole/Loa Balsam Fir Medium 5 - 10 feet Sapling 6 Paper Birch 20 Pole/Sapling Ironwood Low 5 - 10 feet Sapling Ironwood 5 Pole 6 4111 - S.Maple, Hard Mast Association Sawtimber Well 98 N/A 22 21.5 81-110 Ironwood dominates portions of the subcanopy with trace amount of sugar maple under 10 feet. Stand was managed by selection as 431 % Cover Size Class Size **Canopy Species DBH** Age Sub-Canopy Species Density Avg. Height Hardwoods sale# 002-03-01 completed 4/21/2003. Sugar Maple 60 Log/XLog/Pole 15 98 Sugar Maple Low 5 - 10 feet Sapling 15 Red Maple Pole/Loa 11 Beech Low Variable Sapling Yellow Birch 5 Log/Pole 12 5 - 10 feet Tall Shrub Elderberry Low 5 10 Tall Shrub Basswood Loa/Pole Blackberry/Raspberry Medium < 5 feet Beech 10 14 Ironwood High Log Variable Sapling Black Cherry 5 Loa/Pole 10 63 N/A 4130 - Aspen Poletimber Medium 46.0 Nice aspen throughout the stand but it is variable. Aspen log sized 23 diameter class intermixed with poles throughout. Hardwood sapling **Canopy Species** % Cover Size Class DBH Age Sub-Canopy Species Ava. Heiaht Size Densitv regeneration underneath canopy. Quite a few grass/reindeer moss Red Maple 10 Pole 9 Sugar Maple Medium 10 - 20 feet Sapling openings with scrub black cherry scattered throughout the stand. 8 Paper Birch 10 Pole Red Maple Low 10 - 20 feet Sapling 60 9 63 Tag Alder 5 - 10 feet Tall Shrub Quaking Aspen Pole/Log Low 6 Balsam Fir 8 Pole/Sapling Serviceberry (Juneberry) Low 10 - 20 feet Tall Shrub 12 7 Black Cherry Pole/Sapling 4110 - Sugar Maple Association 93 N/A 24 Sawtimber Medium 111.2 81-110 Canopy closure estimated around 85% post thinning. Basal area elderberry presence can be high throughout the stand; however it is finally starting to die out. SM regeneration is scattered in high density pockets throughout. This stand was cut: #027-93 and again as selection cut in 2015 as part of Barret's Grade Hardwoods #11-14. TCR

47	5									
	Canopy Species	% Cove	er Size Class	DBH	Age)	Sub-Canopy Species	Density	Avg. Height	Size
	Sugar Maple	78	Log/Pole/XLog	14	93		Sugar Maple	High	10 - 20 feet	Sapling
	Red Maple	2	Log/Pole	10			Ironwood	Low	10 - 20 feet	Sapling
	Yellow Birch	2	Pole/Log	12			Elderberry	High	5 - 10 feet	Tall Shrub
	Basswood	12	Log/XLog	15						
	Black Cherry	6	Log/Pole	14						
						_				

84

81-110

N/A

averages around 80 ft². Pockets of decent maple recruitment although 7/26/16.

4112 - Maple, Beech, Cherry Association Sawtimber Medium 4.7 25

Canopy Species	% Cove	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	11	84	Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	40	Log/Pole	10	84	Beech	Medium	5 - 10 feet	Sapling
Beech	3	Log	11		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	2	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Black Cherry	5	Pole	8		Birch (spp.)	Medium	5 - 10 feet	Sapling

Stand exists on a round hill. Current basal area around 90. Regen post harvest includes sugar maple, red maple, paper birch and cherry. Openings with small aspen and scrub black cherry surrounds the stand. Cut as part of Final Harvest Mix (420271301) in 2014.

Report 7 – Stands

tand	Level 4 Co	over Type	:	Size De	nsity	Acres Stand Age BA	A Range	Managed S	lite	General Comments
26	4139 - Aspen,	Mixed Deci	duous Pol	letimbe	r Medium	19.2 60	81-110	N/A		Multistoried stand. Canopy gaps and understory are the second age
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	class Canopy borderline log sized stand Small changes in topography generates small hardwood pockets, log and pole size class aspen
	Sugar Maple	20	Pole/Log	8		Sugar Maple	Low	Variable	Sapling	scattered throughout the stand.
	Red Maple	5	Pole	6		Ironwood	Medium	>20 feet	Sapling	
	Yellow Birch	10	Pole	6		Red Maple	Medium	Variable	Sapling	
	Quaking Aspen	45	Pole/Log	8	60	Balsam Fir	Medium	Variable	Sapling	
	Balsam Fir	10	Pole/Log	8		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	Black Cherry	10	Pole/Log	8						1
27	6225	5 - Bog		Nonsto	ocked	25.2		No		Contains some Tamarack and B. spruce on the edges. Leatherleaf
						Sub-Canopy Species	Density	Avg. Height	Size	throughout.
						Tamarack	Low		Sapling	
						Leatherleaf	Full		Tall Shrub	
							Laur		Tall Shrub	
						Alder	Low			
						Alder Black Spruce	Low		Sapling	
28	4119 - Mixed No	orthern Hard	dwoods S	Sawtimb		Black Spruce	-	N/A		Small hardwood stand along the county road. Basswood is getting large
28	4119 - Mixed No Canopy Species	orthern Haro			Age	Black Spruce	Low	N/A Avg. Height		Small hardwood stand along the county road. Basswood is getting large and beginning to degrade. Evidence of deer browse in the stand.
28						Black Spruce	Low 11-140		Sapling	
28	Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce 5.8 78 1 Sub-Canopy Species	Low 11-140 Density	Avg. Height	Sapling Size	
28	Canopy Species Sugar Maple	% Cover 30	Size Class Log/Pole	DBH 11 11 12	Age	Black Spruce 5.8 78 Sub-Canopy Species Sugar Maple	Low 11-140 Density Low	Avg. Height 5 - 10 feet	Sapling Size Sapling	
28	Canopy Species Sugar Maple Red Maple	% Cover 30 15	Size Class Log/Pole Log/Pole	DBH 11 11	Age	Black Spruce 5.8 78 1 Sub-Canopy Species Sugar Maple Balsam Fir	Low 11-140 Density Low Medium	Avg. Height 5 - 10 feet 10 - 20 feet	Sapling Size Sapling Sapling	
28	Canopy Species Sugar Maple Red Maple Yellow Birch	% Cover 30 15 17	Size Class Log/Pole Log/Pole Log	DBH 11 11 12	Age	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1	Low 11-140 Density Low Medium Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Size Sapling Sapling Sapling	
28	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood	% Cover 30 15 17 15	Size Class Log/Pole Log/Pole Log Log/Pole	DBH 11 11 12 12	Age	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Ironwood 1	Low 11-140 Density Low Medium Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling Sapling Sapling	
28	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech	% Cover 30 15 17 15 33	Size Class Log/Pole Log/Pole Log Log/Pole Log	DBH 11 11 12 12 12 12	Age	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Ironwood 1	Low 11-140 Density Low Medium Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling Sapling Sapling	
28	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir	% Cover 30 15 17 15 3 5	Size Class Log/Pole Log/Pole Log Log/Pole Log Pole	DBH 11 11 12 12 12 5	Age	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Ironwood 1	Low 11-140 Density Low Medium Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling Sapling Sapling	
	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir Black Cherry Ironwood 6128 - Lowland	% Cover 30 15 17 5 10 5	Size Class Log/Pole Log/Pole Log/Pole Log Pole Pole/Log Pole	DBH 11 11 12 12 12 12 5 9 6	Age	Black Spruce 5.8 78 1 Sub-Canopy Species Sugar Maple 5 Balsam Fir 1 Black Cherry 1 Ironwood 1 Beech 1	Low 11-140 Density Low Medium Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Size Sapling Sapling Sapling Sapling	
	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir Black Cherry Ironwood 6128 - Lowland	% Cover 30 15 17 5 10 5 Coniferous,	Size Class Log/Pole Log/Pole Log/Pole Log Pole Pole/Log Pole	DBH 11 11 12 12 12 12 5 9 6 wtimber	Age 78	Black Spruce 5.8 78 1 Sub-Canopy Species Sugar Maple 5 Balsam Fir 1 Black Cherry 1 Ironwood 1 Beech 1	Low 11-140 Density Low Medium Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Sapling Size Sapling Sapling Sapling Sapling	and beginning to degrade. Evidence of deer browse in the stand.
	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir Black Cherry Ironwood 6128 - Lowland C	% Cover 30 15 17 15 3 5 10 5 Coniferous, ciduous	Size Class Log/Pole Log/Pole Log/Pole Log Pole Pole/Log Pole	DBH 11 11 12 12 12 12 5 9 6 wtimber	Age 78	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Black Cherry 1 Ironwood 1 Beech 1 20.3 100	Low 11-140 Density Low Medium Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling Size Sapling Sapling Sapling Sapling	and beginning to degrade. Evidence of deer browse in the stand.
28	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir Black Cherry Ironwood 6128 - Lowland Deci Canopy Species	% Cover 30 15 17 15 3 5 10 5 Coniferous, iduous % Cover	Size Class Log/Pole Log/Pole Log/Pole Log/Pole Pole Pole/Log Pole Size Class	DBH 11 11 12 12 12 5 9 6 wtimber	Age 78	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Ironwood 1 Beech 1 20.3 100 Un Sub-Canopy Species 1	Low 11-140 Density Low Low Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height	Sapling Size Sapling Sapling Sapling Sapling Sapling	and beginning to degrade. Evidence of deer browse in the stand.
	Canopy Species Sugar Maple Red Maple Yellow Birch Basswood Beech Balsam Fir Black Cherry Ironwood 6128 - Lowland Deci Canopy Species Red Maple	% Cover 30 15 17 15 3 5 10 5 Coniferous, iduous % Cover 30 30	Size Class Log/Pole Log/Pole Log/Pole Log Pole Pole/Log Pole Size Class Log/Pole	DBH 11 12 12 12 5 9 6 wtimber DBH 10	Age 78	Black Spruce 5.8 78 1 Sub-Canopy Species 1 Sugar Maple 1 Balsam Fir 1 Black Cherry 1 Ironwood 1 Beech 1 20.3 100 Um Sub-Canopy Species 100 1 Red Maple 100 1	Low III-140 Density Low Low Low Low Low Low Density Low Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet	Sapling Size Sapling Sapling Sapling Sapling Sapling	and beginning to degrade. Evidence of deer browse in the stand.

Report 7 – Stands



DNR

Stand	d Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age E	A Range	Managed S	Site	General Comments
30	4119 - Mixed N	orthern Har	dwoods Sa	wtimb	er Well	126.7	98	111-140	N/A		Portions of the stand have basal areas upwards of 140. Sugar maple
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	borer in some of the SM poles. Black cherry dominates in some areas to the east (heavy black knot disease). There is a small pocket of dense,
	Sugar Maple	60	Log/Pole/XLog	11	98	Sug	ar Maple	Medium	5 - 10 feet	Sapling	young SM in the southern finger of the stand, aspen poles are scattered
	Yellow Birch	8	Log/Pole	12		E	Beech	Low	5 - 10 feet	Sapling	throughout this area also. Herbaceous vegetation consisting of: trillium,
	Basswood	8	Log/Pole	10		Bal	sam Fir	Low	10 - 20 feet	Sapling	trout lily, leek, occasional sweet cicely and some maiden hair fern.
	Beech	2	Log	14		Iro	nwood	Low	10 - 20 feet	Sapling	
	Quaking Aspen	8	Pole/Sapling	9							-
	Balsam Fir	2	Pole/Log	8							
	Black Cherry	10	Log/Pole	10							
	Ironwood	2	Pole	8							
31	42111 - Plante Dec	d Red Pine, ciduous	, Mixed S	Sapling) Poor	37.1	4	Immature	N/A		Regen check fall 2018. Fully stocked. Advance to 3yr check.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	FTP # 42-841. Planted to RP in trenches 5/10/17.
	Red Pine	60	Sapling	1	4		d Raspberry	Low	< 5 feet	Tall Shrub	Stand was trenched and herbicide sprayed in summer of 2016.
	Quaking Aspen	30	Sapling	1							
	Pin Cherry	5	Sapling	1	4						Cut and chipped as part of Final Harvest Mix (420271301) in 2014. Left green painted trees.
32	3102	- Grass	I	Nonsto	ocked	1.6	L	Inspecified	No		Small grassy opening. Aspen and Black cherry is slowly filling in the opening. Site was KG'ed in 1974. Newberry fire spot map (1928-25)
						Sub-Car	nopy Species	Density	Avg. Height	Size	indicates activity.
						Blac	k Cherry	Medium		Pole	
					_		d Raspberry	Medium		Tall Shrub	
						0	ar Maple	Medium		Sapling	-
						Quak	ing Aspen	Medium		Sapling	
33	4110 - Sugar I	Maple Asso	ciation Pole	timbe	r Mediun	n 21.5	70	1-50	N/A		Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acre
	Canopy Species	% Cover	· Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	50	Sapling/Pole	4	70	Sug	ar Maple	Medium	10 - 20 feet	Sapling	
	Black Cherry	50	Pole	6	70	Bal	sam Fir	Medium	5 - 10 feet	Sapling	
34	4110 - Sugar I	Maple Asso	ciation Sa		er Well	32.1	94	81-110	N/A		Stand was thinned as "Eight Line Hardwoods" 041-03-01 and complete $1/2/9/2006$. Current basal area ranges from 70 to 120 with average aroun
	Canopy Species	% Cover	Size Class	DBH	I Age		nopy Species	Density	Avg. Height	Size	110. with infrequent canopy gaps slowly closing in. Past inventory
	Sugar Maple	70	Log/Pole/XLog	16	94	Sug	ar Maple	Low	5 - 10 feet	Sapling	indicates regeneration is poor due to the abundance of rasberry. Currer
	Red Maple	10	Log/Pole	10		E	Beech	Low	5 - 10 feet	Sapling	sapling regen consists of black cherry with maple and beech. Some de browse on the maple. Rolling topography. Good northern hardwood log
	Beech	5	Log	15		Bal	sam Fir	Low	5 - 10 feet	Sapling	stand.
	Black Cherry	15	Log/Pole	11		Blac	k Cherry	Medium	Variable	Sapling	
							e Spruce	Trace	>20 feet	Sapling	

Report 7 – Stands

stand	d Level 4 C	over Type		Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments
35	6128 - Lowland Deci	Coniferous, iduous	Mixed	Poletimber Po	or 2.7	73 l	Jnspecified	N/A		Lowland area within aspen stand. Poor dirt road runs along the west edge of the low area.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	
	Quaking Aspen	17	Log	10		ag Alder	High	10 - 20 feet	Tall Shrub	
	Balsam Fir	17	Pole	6 73	Ba	lsam Fir	Medium	Variable	Sapling	
	Black Spruce	10	Pole	5	Re	d Maple	Low	10 - 20 feet	Sapling	
No	orthern White Cedar	12	Pole	6						-
	White Pine	10	Log	14						
	Yellow Birch	9	Log/Pole	13						
	Hemlock	25	Pole/Log	8 73						
36	6225	5 - Bog		Nonstocked	2.0			No		
					Sub-Ca	nopy Species	B Density	Avg. Height	Size	
					Pa	per Birch	Low		Sapling	
					Lea	atherleaf	Full		Tall Shrub	
					WI	nite Pine	Low		Sapling	
						Alder	Low		Tall Shrub	
					Та	marack	Low		Sapling	
37	6128 - Lowland (Deci	Coniferous, iduous	Mixed	Sawtimber We	II 3.7	78 (Jnspecified	N/A		This stand acts as a buffer for the low area within. There is a mix of species leading down to open water.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	
	Sugar Maple	5	Pole	6	Sug	jar Maple	Low	5 - 10 feet	Sapling	
	Red Maple	30	Pole	8	Ba	lsam Fir	Low	5 - 10 feet	Sapling	
	White Pine	20	Log	14						
	Hemlock	40	Log/Pole	11 78						
	Black Cherry	5	Pole	C						
				6						
38	4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimber We	II 17.9	82	111-140	N/A		
38	4112 - Maple, Beec Canopy Species	% Cover	ssociation Size Class	Sawtimber We	Sub-Ca	nopy Species		Avg. Height	Size	High basal area averaging around 120. Stand dominated by black cherr in many places which has quite a bit of black knot on it.
38	4112 - Maple, Beec Canopy Species Sugar Maple	% Cover 25	Size Class Pole	Sawtimber We DBH Age 9	Sub-Ca			Avg. Height 10 - 20 feet	Sapling	
38	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple	% Cover 25 25	Size Class Pole Pole	Sawtimber We DBH Age 9 9	Sub-Ca	nopy Species	B Density	Avg. Height		High basal area averaging around 120. Stand dominated by black cherr in many places which has quite a bit of black knot on it.
38	4112 - Maple, Beec Canopy Species Sugar Maple	% Cover 25	Size Class Pole	Sawtimber We DBH Age 9	Sub-Ca	nopy Species Jar Maple	B Density	Avg. Height 10 - 20 feet	Sapling	
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe	% Cover 25 25 50	Size Class Pole Pole Log/Pole	Sawtimber We DBH Age 9 9 10 82 Poletimber We	Sub-Ca Suc Ba	nopy Species _{Jar} Maple Isam Fir 38 I	Density Low Low	Avg. Height 10 - 20 feet 10 - 20 feet N/A	Sapling Sapling	in many places which has quite a bit of black knot on it. Multistory Stand; Nice aspen poles in clumps throughout the stand. Ver
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe Canopy Species	% Cover 25 25 50	Size Class Pole Pole Log/Pole Fir Size Class	Sawtimber We DBH Age 9 10 82 Poletimber We DBH Age	Sub-Ca Sug Ba II 49.6 Sub-Ca	nopy Species jar Maple Isam Fir 38 I nopy Species	S Density Low Low Unspecified S Density	Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Size	in many places which has quite a bit of black knot on it.
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe Canopy Species Sugar Maple	% Cover 25 25 50 en, Spruce/ % Cover 25	Size Class Pole Pole Log/Pole Fir Size Class Sapling/Pol	Sawtimber We DBH Age 9 10 82 Poletimber We DBH Age e 4	Sub-Ca Sug Ba II 49.6 Sub-Ca Sug	nopy Species jar Maple Isam Fir 38 U nopy Species jar Maple	S Density Low Low Unspecified S Density High	Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet	Sapling Sapling Size Sapling	in many places which has quite a bit of black knot on it. Multistory Stand; Nice aspen poles in clumps throughout the stand. Ver
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe Canopy Species Sugar Maple Paper Birch	% Cover 25 25 50 en, Spruce/ % Cover 25 10	Size Class Pole Pole Log/Pole Fir Size Class Sapling/Pol Sapling/Pol	Sawtimber We DBH Age 9 9 10 82 Poletimber We DBH Age e 4 e 4	Sub-Ca Sug Ba II 49.6 Sub-Ca Sug Ba	nopy Species Jar Maple Isam Fir 38 U nopy Species Jar Maple Isam Fir	S Density Low Low Unspecified S Density High Medium	Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling Size Sapling Sapling	Multistory Stand; Nice aspen poles in clumps throughout the stand. Ver strong SM undergrowth throughout. Several openings scattered throughout with scrub BC. Undergrowth of alder in low pockets.
38	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe Canopy Species Sugar Maple Paper Birch Quaking Aspen	% Cover 25 25 50 en, Spruce/ % Cover 25 10 40	Size Class Pole Pole Log/Pole Fir Size Class Sapling/Pol Sapling/Pol Pole	Sawtimber We DBH Age 9 10 82 Poletimber We DBH Age e 4 e 4 6 38	Sub-Ca Sug Ba II 49.6 Sub-Ca Sug Ba Bla	nopy Species Jar Maple Isam Fir 38 U nopy Species Jar Maple Isam Fir ck Cherry	B Density Low Low Unspecified B Density High Medium Low	Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Size Sapling Sapling Tall Shrub	Multistory Stand; Nice aspen poles in clumps throughout the stand. Ver strong SM undergrowth throughout. Several openings scattered throughout with scrub BC. Undergrowth of alder in low pockets.
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple Black Cherry 4134 - Aspe Canopy Species Sugar Maple Paper Birch	% Cover 25 25 50 en, Spruce/ % Cover 25 10	Size Class Pole Pole Log/Pole Fir Size Class Sapling/Pol Sapling/Pol	Sawtimber We DBH Age 9 10 82 Poletimber We DBH Age e 4 e 4 6 38	Sub-Ca Sug Ba II 49.6 Sub-Ca Sug Ba Bla	nopy Species Jar Maple Isam Fir 38 U nopy Species Jar Maple Isam Fir	S Density Low Low Unspecified S Density High Medium	Avg. Height 10 - 20 feet 10 - 20 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling Size Sapling Sapling	Multistory Stand; Nice aspen poles in clumps throughout the stand. Ver strong SM undergrowth throughout. Several openings scattered throughout with scrub BC. Undergrowth of alder in low pockets.

Report 7 – Stands



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Stand	d Level 4 C	Cover Type		Size De	nsity	Acres S	tand Age E	BA Range	Managed S	Site	General Comments
40	4134 - Asp	en, Spruce	/Fir F	Poletimb	er Well	7.3	72 L	Inspecified	N/A		Mixed stand mainly consists of aspen clones spread throughout the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	stand. SM and BF mixed throughout the stand.
	Sugar Maple	20	Pole/Sapling	j 5		Sugar	Maple	High	10 - 20 feet	Sapling	
	Red Maple	10	Pole	6		Balsa	am Fir	Medium	10 - 20 feet	Sapling	
	Quaking Aspen	40	Pole/Log	8	72	Iron	wood	Low	5 - 10 feet	Sapling	
	Balsam Fir	20	Pole/Sapling	j 6							1
	Black Cherry	10	Pole	5							
41	4134 - Asp	en, Spruce	/Fir F	Poletimb	er Well	13.0	46 L	Inspecified	N/A		Majority of the stand has moderate south aspect as upland areas
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	situated mostly in north and east where lower ground in the south. Uplands dominated by pole and log sized aspen; some blowdown
	Red Maple	10	Pole/Log	8		Balsa	am Fir	Low	10 - 20 feet	Sapling	present. Transition areas and lower portions within the site are generally
	Paper Birch	15	Sapling/Pole	9 4							small pole sized aspen dominated with cedar, red maple, paper birch ar
	Bigtooth Aspen	48	Pole/Log	8	46						fir either co-dominant or overtopped. Occasional birch pockets situated
	Balsam Fir	25	Pole	6							on wet ground.
	White Pine	2	Log/XLog	16							
42	4134 - Asp	en, Spruce	/Fir F	Poletimb	er Well	34.1	46 L	Inspecified	N/A		Good young aspen stand. Some large poles throughout but most of the stand is 3-6" stems. Openings throughout, some of which are starting to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	fill in. Some other hardwoods mixed in. Sale #'s: 5-76, 85-81.
	Sugar Maple	5	Sapling	3		Sugar	Maple	Medium	5 - 10 feet	Sapling	Opening in the northern part of the stand previously had an oak planting
	Quaking Aspen	60	Pole/Sapling	g 5	46						treatment and will reinitiated if needed.
	Balsam Fir	25	Pole/Sapling	g 6							
	Black Cherry	10	Pole/Sapling	9 6							
43	6122 - B	lack Spruce	e	Sapling	Poor	16.5	53		N/A		The perimeter has some larger spruce and tamarack; however trees
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	decrease in size drastically as you move towards the center of the stand
	Black Spruce	80	Sapling/Pole	9 4	53	Black	Spruce	Low	< 5 feet	Sapling	
	Tamarack	20	Sapling/Pole	9 4		Tag	Alder	Low	5 - 10 feet	Tall Shrub	
44	6120 - Lo	wland Ced	ar s	Sawtimb	er Well	20.1	108	171-200	N/A		Drainage runs through the stand.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Balsam Fir	10	Pole/Log	9							
	Black Spruce	10	Pole/Log	9							
No	orthern White Cedar	80	Log/Pole	11	108						
45	4110 - Sugar I	Maple Asso	ciation S	Sawtimb		3.2	95	81-110	N/A		Stand is similar composition to adjacent hardwood stands. Luce County
	Canopy Species	% Cover	Size Class	DBH	Age		py Species	Density	Avg. Height	Size	Lease Land.
	Sugar Maple	60	Log/XLog	16	95	Sugar	Maple	Low	10 - 20 feet	Sapling	
	Red Maple	10	Log/XLog	13		Elde	rberry	High	5 - 10 feet	Tall Shrub	
	Yellow Birch	5	Log/Pole	11		Be	ech	Low	Variable	Sapling	
	Beech	5	Log	12		Iron	wood	Trace	10 - 20 feet	Sapling	

Report 7 – Stands

Compartment: 108 Year of Entry: 2023

Stand	d Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed	Site	General Comments
46	6112 - Lov	vland Aspe	en Sa	awtimb	er Well	15.6	77	81-110	N/A		Mixed lowland deciduous/conifer stand. Drainage runs on the western
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	edge of the stand. Some of the aspen is very large and degraded/falling down and is creating small openings.
	Red Maple	10	Pole	8		Ba	lsam Fir	Low	Variable	Sapling	
	Yellow Birch	5	Pole	8							-
	Paper Birch	10	Pole	8							
	Bigtooth Aspen	40	Log/XLog/Pole	12	77						
	Balsam Fir	25	Log/Pole	10							
No	orthern White Cedar	10	Pole/Log	9							
47	4112 - Maple, Beec	h, Cherry A	Association Sa	awtimb	er Well	44.5	92	111-140	N/A		Dense sugar maple pole stand. Basal area upwards of 140 ft^2 in some
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas. Some cherry, yellow birch, balsam fir and aspen scattered throughout the stand. A lot of deer activity and browse on small
	Sugar Maple	76	Log/Pole/XLog	10	92	Sug	ar Maple	Medium	Variable	Sapling	seedlings. More red maple in western portion of the stand.
	Red Maple	10	Pole	9		Re	d Maple	Low	Variable	Sapling	-
	Beech	4	Log/XLog	14		Yel	ow Birch	Low	5 - 10 feet	Sapling	
	Quaking Aspen	6	Log/Pole	12		I	Beech	Low	Variable	Sapling	
	Balsam Fir	2	Pole	8		Ва	lsam Fir	Low	Variable	Sapling	-
	Black Cherry	2	Pole/Log	9		Sug	ar Maple	Medium	< 5 feet	Seeding	
48	4116 - Mixed N. Canopy Species		- Aspen Pole Size Class		Mediun		85 nopy Species	51-80 Density	N/A Avg. Height	Size	There are big openings in the north and south portions of the stand. Barrett's Grade runs through the stand. Variable size classes throughou the stand. Some openings are producing good SM regeneration. ORV
	Sugar Maple	40	Pole/Sap/Log	8	85	Sug	ar Maple	High	10 - 20 feet	Sapling	trail runs through the east edge of the stand.
	Bigtooth Aspen	35	Pole/Log	9		Ba	lsam Fir	Low	10 - 20 feet	Sapling	-
	Black Cherry	25	Pole	7		Blac	k Cherry	Low	10 - 20 feet	Sapling	
49	3102	- Grass	I	Nonsta	ocked	2.1	0 U	nspecified	No		Grass opening with black cherry and sugar maple scattered throughout.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Site dominated by raspberry and elderberry. Luce County Lease Land.
						Blac	k Cherry	Low	>20 feet	Pole	-
						Sug	ar Maple	Low	Variable	Sapling	
						Wild Re	d Raspberry	Full	5 - 10 feet	Tall Shrub	
						Ele	derberry	Low	5 - 10 feet	Tall Shrub	
50	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	148.5	92	81-110	N/A		Quality hardwood stand. Canopy gaps now starting to close and some
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	decent maple recruitment throughout. Isolated pockets of elderberry. ORV trail runs through the stand. Herbaceous vegetation consisting of:
	Sugar Maple	67	Log/Pole/XLog	14	92	Sug	ar Maple	High	Variable	Sapling	trillium, trout lily, leek, occasional sweet cicely and some maiden hair fer
	Red Maple	5	Log/Pole	10		I	Beech	Medium	Variable	Sapling	12/42/46: Colorian out in 2015 on part of Demote Orada Handwards "4
	Yellow Birch	2	Log	14		Irc	onwood	Low	10 - 20 feet	Sapling	12/12/16: Selection cut in 2015 as part of Barret's Grade Hardwoods #1 14.
	Basswood	9	Log	13							
	Black Cherry	15	Log/Pole	11							
	Black energy	10	209/1 010								

Report 7 – Stands



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Year	στ	Entry:	2023	

NE DNE

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
51	4110 - Sugar N	Aple Assoc	ciation	Sawtimb	er Poor	29.5	96	1-50	N/A		Variable stand: Several pockets of small SM regeneration. B. cherry has
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	heavy black knot. 11/28/18: Stand is part of MWR research project. Harvested via
	Sugar Maple	65	Log/Pole	11	96	Wild Re	ed Raspberry	High	< 5 feet	Tall Shrub	Shelterwood cut, cutting all trees greater than 2" dbh and removing all
	Red Maple	10	Pole/Log	9		Maj	ole (spp.)	Medium	Variable	Sapling	slash off site. M-117 MWR, #004-17. Stand will have a follow-up
	Basswood	10	Log/Pole	12		Blac	ck Cherry	Medium	5 - 10 feet	Sapling	treatments of herbicide and scarification. FTP 42-917. Site was sprayed 8/7/2020 and scarified 9/25/2020. A blanket monitoring
	Black Cherry	15	Log/Pole	12			Beech	Low	Variable	Sapling	treatment was applied to all MWR sites within the unit.
52	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	245.1	95	81-110	N/A		Basal area ranges roughly from 70 to 120. Southern portion has relatively
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	higher basal area than that of the northern portion. Lower areas include patches thinned harder last harvest and very infrequent beech pockets of
	Sugar Maple	60	Log/XLog	16	95	Sug	ar Maple	Low	10 - 20 feet	Sapling	beech mortality creating canopy openings. Low amount of regeneration of
	Red Maple	10	Log/XLog	13		Ele	derberry	High	5 - 10 feet	Tall Shrub	maple and cherry typically 10' with sparse to no seedlings. Elderberry
	Yellow Birch	5	Log/Pole	11		I	Beech	Low	Variable	Sapling	dominating the understory in the northern portion of the stand. Stand was cut; Barrett Grade Hardwoods, 014-03-01 completed 5/15/2008. Stand
	Beech	5	Log	12		Irc	onwood	Trace	10 - 20 feet	Sapling	was separated from the lease lands to the south this YOE based on
	Black Cherry	20	Log/Pole	11		Sug	ar Maple	Low	< 5 feet	Seeding	harvest prior to this YOE.
53	4134 - Aspe	en, Spruce/	Fir P	oletimbe	r Mediur	m 79.1	70	1-50	N/A		Older component of aspen now falling out of the stand in some areas and
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	large saplings / small poles now dominate majority of stand. Mixed bag o cocanopy mostly comprised of maple, aspen and cherry poles with
	Bigtooth Aspen	40	Pole/Log		70		ar Maple	High	Variable	Sapling	infrequent older aspen; maple saplings dominate subcanopy. The stand
	Balsam Fir	28	Pole	5		Ba	Isam Fir	Medium	Variable	Sapling	has several openings. Northern portions of the stand have higher
	Black Cherry	32	Pole	6		Blac	k Cherry	Medium	10 - 20 feet	Sapling	concentrations of balsam fir.
		1 1				Hazelnu	ıt (American)	Low	< 5 feet	Tall Shrub	
						Ame	rican Elm	Low	5 - 10 feet	Sapling	
54	6130 - Fir, <i>i</i>	Aspen, Map	ble	Sawtimb	er Well	42.0	84	111-140	N/A		Mixed stand. Large cedar spread throughout the stand. The canopy
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	consists of pockets of small BF, red maple throughout, pockets of large BF and scattered BT. Aspen throughout the stand.
	Red Maple	10	Pole	8		Re	d Maple	Low	5 - 10 feet	Sapling	· - · ···· · · · · · · · · · · · · · ·
	Paper Birch	10	Pole	8		Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	
	Bigtooth Aspen	25	Log/Pole	10		Ва	lsam Fir	Medium	10 - 20 feet	Sapling	-
	Balsam Fir	30	Pole/Sap/Lo	og 9	84	Та	ig Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	10	Log	13							-
No	orthern White Cedar	15	Log	11							
55	4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimb	er Well	15.3	81	81-110	N/A		Some good wildlife snags throughout the stand. Hard maple poles are in
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	good condition, some of the large logs, especially beech are starting to degrade. Center of the stand is dominated by log size classes whereas
	Sugar Maple	66	Log/Pole	11	81	Sug	ar Maple	Medium	10 - 20 feet	Sapling	the perimeter is denser pole size classes. Entire stand averages around
	Basswood	6	Log/Pole	11		I	Beech	Low	5 - 10 feet	Sapling	95 BA.
	Black Cherry	2	Pole	8		Irc	onwood	Low	5 - 10 feet	Sapling	
	Ironwood	6	Log/Pole	10							

Report 7 – Stands

Compartment: 108 Year of Entry: 2023

E

by Species Maple am Fir harack e Pine nlock 1 - Mixed Upla	% Cover 10 25 35 25 5	and Forest Pole Size Class Pole Pole/Sapling Pole/Log Pole Size Class Pole Pole Pole Pole	DBH Age 6 - 8 - 6 70 9 - 6 - DBH Age	10.2 70 Sub-Canopy Species Tag Alder Leatherleaf 8.3 72	51-80 Density Medium Low	N/A Avg. Height 5 - 10 feet < 5 feet	Size Tall Shrub Tall Shrub	Perimeter has a mix of species with large WP, interior has small tamarack/WP. Center of the stand seems to be wet year round. Standir water/low area extends into the hardwoods.
Maple am Fir aarack e Pine nlock 1 - Mixed Upla Co by Species r Maple th Aspen am Fir	10 25 35 25 5 and Decidurnifer % Cover 30 35	Pole Pole/Sapling Pole/Log Pole Dus with Po Size Class Pole	6 70 9 6 0 9	Tag Alder Leatherleaf	Medium Low	5 - 10 feet < 5 feet	Tall Shrub	
am Fir harack e Pine nlock 1 - Mixed Upla Co by Species r Maple th Aspen am Fir	25 35 25 5 and Decidur nifer % Cover 30 35	Pole Pole/Sapling Pole/Log Pole ous with Po Size Class Pole	6 70 9 6 0 9	Leatherleaf	Low	< 5 feet		
aarack e Pine nlock 1 - Mixed Upla Co by Species r Maple th Aspen am Fir	35 25 5 and Decidue nifer % Cover 30 35	Pole/Sapling Pole/Log Pole ous with Po Size Class Pole	6 70 9 6 DBH Age				Tall Shrub	
e Pine nlock 1 - Mixed Upla Co by Species r Maple th Aspen am Fir	25 5 and Decidua nifer % Cover 30 35	Pole/Log Pole Dous with Po Size Class Pole	9 6 oletimber Well DBH Age	8.3 72	51-80			
nlock 1 - Mixed Upla Co by Species r Maple th Aspen am Fir	5 and Decidue nifer % Cover 30 35	Pole Pole Size Class Pole	6 oletimber Well DBH Age	8.3 72	51-80			
1 - Mixed Upla Co by Species r Maple th Aspen am Fir	and Decidur nifer % Cover 30 35	ous with Po Size Class Pole	DBH Age	8.3 72	51-80			
Co by Species r Maple th Aspen am Fir	K Cover 30 35	Size Class Pole	DBH Age	8.3 72	51-80			
r Maple th Aspen am Fir	30 35	Pole			0.00	N/A		Mixed stand: Aspen poles are poor quality. Nice SM poles throughout the stand.
th Aspen am Fir	35			Sub-Canopy Species	Density	Avg. Height	Size	
am Fir		Pole/Log	8	Sugar Maple	Medium	5 - 10 feet	Sapling	
	25		8 72	Balsam Fir	Low	5 - 10 feet	Sapling	
Cherry		Pole	9					
	5	Pole	7					
wood	5	Sapling	3					
6112 - Low	vland Aspe	n Po	letimber Well	16.3 62	51-80	N/A		Multistoried aspen stand. Mostly small poles 3-6", there are quite a few
by Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	large aspen logs scattered throughout the stand.
Maple	15	Pole/Log	9	Red Maple	Low	5 - 10 feet	Sapling	
er Birch	10	Pole	8	Balsam Fir	Low	5 - 10 feet	Sapling	
ig Aspen	60	Pole/Log	6 62					
am Fir	10	Log/Pole	11					
Spruce	5	Log	11					
Maple, Beecl	h, Cherry A	ssociation Sa	wtimber Well	90.4 95	81-110	N/A		Part of this stand was marked and put up for sale#: 037-94. It was not cut due to producer going out of business. Beech numbers are high in
by Species		Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	this stand and they are degrading quickly. B. cherry is also in very poor
r Maple		-		0 1			1 0	shape; black knot is severe and form is poor. B. cherry numbers are
Maple		Log/Pole		Beech	Trace			higher in the east half of the stand. SM regeneration is variable throughout the stand. Deer browse is heavy and raspberry is thick in
w Birch	3	Pole	8	Ironwood	Medium	5 - 10 feet	Sapling	some places underneeth the degraded beech. Western portion was
	5	Pole	7					thinned several entries ago and basal area is around the 70 - 80 mark y
swood	4	Log/XLog	16					however canopy is closed. A few standing beech present. Eastern half c
swood eech	8	Log/XLog/Pole	12					stand dominated by pole size classes with infrequent xl aspen, occasionally dead and down. Current BA is variable between 60 and 124
		Log	14					
ech	4	Pole	5					
r N	Maple Maple Birch wood ech Aspen	Maple58Maple15Birch3wood5ech4Aspen8	Maple58Log/PoleMaple15Log/PoleBirch3Polewood5Poleech4Log/XLogAspen8Log/XLog/PoleCherry4Log	Maple58Log/Pole1095Maple15Log/Pole12Birch3Pole8wood5Pole7ech4Log/XLog16Aspen8Log/XLog/Pole12Cherry4Log14	Maple58Log/Pole1095Sugar MapleMaple15Log/Pole12BeechBirch3Pole8Ironwoodvood5Pole7Ironwoodach4Log/XLog16IronwoodAspen8Log/XLog/Pole12IronwoodCherry4Log14Ironwood	Maple58Log/Pole1095Sugar MapleMediumMaple15Log/Pole12BeechTraceBirch3Pole8IronwoodMediumwood5Pole7AspenAspen8Log/XLog/Pole12Cherry4Log14Log14Aspen4Log	Maple58Log/Pole1095Sugar MapleMedium10 - 20 feetMaple15Log/Pole12BeechTrace5 - 10 feetBirch3Pole8IronwoodMedium5 - 10 feetwood5Pole7IronwoodMedium5 - 10 feetach4Log/XLog16IronwoodIronwoodIronwoodAspen8Log/XLog/Pole12IronwoodIronwoodCherry4Log14IronwoodIronwood	Maple58Log/Pole1095Sugar MapleMedium10 - 20 feetSaplingMaple15Log/Pole12BeechTrace5 - 10 feetSaplingBirch3Pole8IronwoodMedium5 - 10 feetSaplingwood5Pole7IronwoodMedium5 - 10 feetSaplingach4Log/XLog16IronwoodIronwoodIronwoodIronwoodAspen8Log/XLog/Pole12IronwoodIronwoodIronwood4Log14Ironwood14Ironwood

Sub-Canopy Species

Wild Red Raspberry

Black Cherry

Sugar Maple

Density

Medium

Medium

Low

Avg. Height

5 - 10 feet

>20 feet

10 - 20 feet

2021 with approximately 10 oak. Site was not included in the FTP for similar stands nearby: FTP W42-952 but was added. Luce County Lease Tall Shrub Land.

Size

Pole

Sapling

	Newberry Mgt. Unit						Repo	ort 7 – Sta	nds		Compartment: 108 Year of Entry: 2023	
Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	
63	6132 - Mixed Lowla	and Forest v	vith Cedar	Sawtimb	er Well	7.2	98	201+	N/A		Drainage runs through the SE corner of the stand. Good mix of cedar and mixed lowland deciduous trees. Stand not visited this YOE.	
64	4112 - Maple, Beed	ch, Cherry A	ssociation S	awtimbe	Medium	n 179.0	92	81-110	N/A		Current basal area between 80 and 100 ft2. Moderate to relatively high	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stocking of 8 -12 year old hardwood sapling regeneration in subcanopy. Regen composed of ironwood, cherry, maple, birch, elderberry, and	
	Sugar Maple	60	Log/Pole	13	92	Su	gar Maple	Low	5 - 10 feet	Sapling	raspberry respectively to percentage. Majority between 5 - 15' tall and	
	Red Maple	15	Pole	9		Ba	Ilsam Fir	Low	5 - 10 feet	Sapling	should continue to recruit. Lack of maple regen still an issue however the	
	Basswood	8	Log/Pole	11		Re	ed Maple	Low	5 - 10 feet	Sapling	raspberry and elderberry no longer dominated the subcanopy and understory.	
	Beech	2	Log	11		Ir	onwood	High	5 - 10 feet	Sapling		
	Black Cherry	10	Pole	9		Bla	ck Cherry	Medium	10 - 20 feet	Sapling	Stand was thinned as: 108 Hardwoods #012-03-01 and was completed	
	Ironwood	5	Pole	8		EI	derberry	Low	5 - 10 feet	Tall Shrub	5/15/2008.	
						Wild R	ed Raspberry	Low	5 - 10 feet	Tall Shrub		
65	4117 - Mixed N	. Hardwood	- Pine	Sawtimb	er Well	22.4	82	141-170	N/A		Black cherry has black knot. Basal area is high throughout the stand,	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	however there are I/xlarge WP logs that get picked up in BA swings.	
	Sugar Maple	40	Log/Pole	10	82	Sug	gar Maple	Low	10 - 20 feet	Sapling		
	Red Maple	5	Pole	9		Ba	Ilsam Fir	Medium	10 - 20 feet	Sapling		
	White Pine	25	XLog/Log	20			Beech	Low	5 - 10 feet	Sapling		
	Black Cherry	28	Log/Pole	11	E						1	
	Ironwood	2	Pole	7								
66	4134 - Asp	en, Spruce/	Fir	Poletimb	er Well	10.7	45	81-110	N/A		Stand located adjacent to road and is dominated by pole sized aspen	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	with maple, cherry and fir in association. Stand harvested via clearcut; sale #5-76.	
	Sugar Maple	5	Pole	5		Ba	Ilsam Fir	Low	5 - 10 feet	Sapling		
	Paper Birch	5	Pole/Saplin	g 5								
	Bigtooth Aspen	59	Pole	8	45							
	Balsam Fir	30	Pole	8								
	Black Cherry	1	Log	10								
67	4110 - Sugar N	laple Assoc	ciation	Sawtimb	er Well	87.6	95	111-140	N/A		1/22/21 - JAT - Stand had an RX for spraying to control/eliminate	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	raspberry/elderberry. Treatment was terminated per discussion with UM Desirable regen of other species is present. Current equipment and	
	Sugar Maple	70	Log/XLog	14	95	Su	gar Maple	Low	5 - 10 feet	Sapling	operation limitations prevent conducting a treatment.	
	Red Maple	10	Log/Pole	12		Ir	onwood	Low	5 - 10 feet	Sapling		
	Yellow Birch	10	Log/Pole	12		EI	derberry	Medium	5 - 10 feet	Tall Shrub	Elderberry now finally dying out along with raspberry. Sugar maple and white ash regen present within the stand. Areas still dominated by	
	Black Cherry	10	Log/Pole	11		Blackbe	rry/Raspberry	Medium	< 5 feet	Tall Shrub	elderberry. Stand was thinned as 468 Hardwoods sale #013-03-01 and	
				I		Ba	Ilsam Fir	Low	>20 feet	Sapling	was completed 10/4/2005. Stand was full tree skid and slasher with majo soil disturbance. Hardwood regeneration is poor due to abundance of raspberry.	

Report 7 – Stands

DNR

Stan	d Level 4 C	over Type		Size De	nsitv	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
68			Association		,	42.0		111-140	N/A		Medium quality hardwood stand. Large component of black cherry and
00	Canopy Species		Size Class		Age		10py Species		Avg. Height	Size	balsam fir throughout the stand. Cherry has severe black knot and poor
	Sugar Maple	40	Log/Pole	12	92		ar Maple	Medium	5 - 10 feet	Sapling	form. There are nice SM poles throughout the stand, there are also frequent overmature individuals throughout.
	Red Maple	15	Pole/Log	9	02	0	sam Fir	Medium	5 - 10 feet	Sapling	
	Balsam Fir	10	Pole	8			lerberry	Trace	< 5 feet	Tall Shrub	
	Black Cherry	30	Log/Pole			LIC	lenderity	Thate	< 0 1001		
	Ironwood	5	Pole	7							
<u> </u>	4110 - Sugar N			Sawtimbe	or Woll	35.8	95	81-110	N/A		Upland hardwood stand that is situated on a narrow steep ridge.
69	Canopy Species	•	Size Class		Age		10py Species		Avg. Height	Size	opiand hardwood stand that is situated on a narrow steep huge.
	Sugar Maple	60	Log/XLog		95		ar Maple	Low	10 - 20 feet	Sapling	
	Red Maple	10	Log/XLog Log/XLog		95	0	lerberry		5 - 10 feet	Tall Shrub	
	Yellow Birch	5	Log/Pole				Beech	High Low	Variable	Sapling	
	Beech	5		12			nwood		10 - 20 feet		
	Black Cherry	20	Log Log/Pole				ar Maple	Trace Low	< 5 feet	Sapling Seeding	
	Canopy Species	% Cover	Sizo Class	DBH	Age	Sub Car	nopy Species	Density			aspen, cherry and maple regen. Some areas fully stocked aspen while
	Sugar Maple Quaking Aspen Red Maple	60 10 20	Pole Pole Pole	7 6 6	41 41	Wild Re Sug	d Raspberry ar Maple	Medium Medium Medium	Avg. Height < 5 feet Variable >20 feet	Size Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry.
	0 1	10	Pole Pole	7 6	41	Wild Re Suga Quak	d Raspberry	Medium Medium	< 5 feet Variable	Tall Shrub	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres
71	Quaking Aspen Red Maple	10 20 10	Pole Pole Pole Pole	7 6 6	41 41	Wild Re Suga Quak	d Raspberry ar Maple ing Aspen	Medium Medium Medium	< 5 feet Variable >20 feet	Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce.
71	Quaking Aspen Red Maple Black Cherry	10 20 10 Maple Asso	Pole Pole Pole Pole	7 6 6 5 Sawtimbe	41 41 er Well	Wild Re Suga Quak Blac 33.3	d Raspberry ar Maple ing Aspen k Cherry	Medium Medium Medium 81-110	< 5 feet Variable >20 feet Variable	Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce.
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M	10 20 10 Maple Asso	Pole Pole Pole Ciation	7 6 5 Sawtimbo	41 41	Wild Re Sug Quak Blac 33.3 Sub-Car	d Raspberry ar Maple ing Aspen k Cherry 95	Medium Medium Medium 81-110	< 5 feet Variable >20 feet Variable N/A	Tall Shrub Sapling Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce.
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species	10 20 10 Maple Asso % Cover	Pole Pole Pole Pole ciation	7 6 5 Sawtimbe DBH	41 41 er Well	Wild Re Sug. Quak Blac 33.3 Sub-Car Sug.	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species	Medium Medium Medium 81-110 Density	< 5 feet Variable >20 feet Variable N/A Avg. Height	Tall Shrub Sapling Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease lan
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple	10 20 10 Maple Assor % Cover 60	Pole Pole Pole Pole ciation Size Class Log/XLog	7 6 5 Sawtimbe DBH	41 41 er Well	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple	Medium Medium Medium 81-110 Density Low	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet	Tall Shrub Sapling Sapling Sapling Size Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple	10 20 10 Maple Association % Cover 60 10	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog	7 6 5 Sawtimbo DBH 16 13	41 41 er Well	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld	d Raspberry ar Maple ing Aspen ik Cherry 95 nopy Species ar Maple lerberry	Medium Medium Medium 81-110 Density Low High	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch	10 20 10 Maple Association Cover 60 10 5	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole	7 6 5 Sawtimbe DBH 16 13 11 12	41 41 er Well	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E E	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech	Medium Medium Medium 81-110 Density Low High Low	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease lan
71	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch Beech Black Cherry	10 20 10 Maple Association Cover 60 10 5 5 5	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole Log Log/Pole	7 6 5 Sawtimbe DBH 16 13 11 12	41 41 er Well Age 95	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E E	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech nwood ar Maple	Medium Medium Medium Medium Medium Nelium Undeling Undeling High Low High Low Trace	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable 10 - 20 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres. Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land Stand regenerating to aspen, now 5 - 10ft tall. Stocking levels moderate
	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch Beech Black Cherry	10 20 10 Maple Asso 60 10 5 20 20	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole Log Log/Pole	7 6 5 Sawtimbo 16 13 11 12 11 5apling M	41 41 er Well Age 95	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E Iro Sug	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech nwood ar Maple	Medium Medium Medium Medium Medium	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable 10 - 20 feet < 5 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land Stand regenerating to aspen, now 5 - 10ft tall. Stocking levels moderate to fully stocked.
	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch Beech Black Cherry 4130	10 20 10 Maple Asso 60 10 5 20 20	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole Log	7 6 5 Sawtimbo 16 13 11 12 11 5apling M	41 41 er Well Age 95 95	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E Iro Sug	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech nwood ar Maple	Medium Medium Medium Medium Medium	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable 10 - 20 feet < 5 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land Stand regenerating to aspen, now 5 - 10ft tall. Stocking levels moderate
	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch Black Cherry 4130 Canopy Species	10 20 10 Maple Asso 60 10 5 20 - Aspen % Cover	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole Log/Pole Size Class	7 6 5 Sawtimber 16 13 11 12 11 Sapling №	41 41 er Well Age 95 4 4 4 95	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E Iro Sug	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech nwood ar Maple	Medium Medium Medium Medium Medium	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable 10 - 20 feet < 5 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land Similar composition to adjacent hardwood stands. Luce county lease land Stand regenerating to aspen, now 5 - 10ft tall. Stocking levels moderate to fully stocked. Stand was harvested via clearcut as sale #42-012-14-01. Closed
	Quaking Aspen Red Maple Black Cherry 4110 - Sugar M Canopy Species Sugar Maple Red Maple Yellow Birch Black Cherry 4130 Canopy Species Quaking Aspen	10 20 10 Maple Asso 60 10 5 20 - Aspen % Cover 75	Pole Pole Pole Ciation Size Class Log/XLog Log/XLog Log/Pole Log/Pole Size Class Sapling	7 6 5 Sawtimber 16 13 11 12 11 Sapling № DBH 1	41 41 er Well Age 95 Medium Age 4	Wild Re Sug Quak Blac 33.3 Sub-Car Sug Eld E Iro Sug	d Raspberry ar Maple ing Aspen k Cherry 95 nopy Species ar Maple lerberry Beech nwood ar Maple	Medium Medium Medium Medium Medium	< 5 feet Variable >20 feet Variable N/A Avg. Height 10 - 20 feet 5 - 10 feet Variable 10 - 20 feet < 5 feet	Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling Sapling	other areas moderate hardwood regen. Pockets of raspberry and elderberry. Cut in 2014 - Final Harvest Mix (420271301). Left one aspen per 5 acres Only cut aspen, balsam and spruce. Similar composition to adjacent hardwood stands. Luce county lease land Similar composition to adjacent hardwood stands. Luce county lease land Stand regenerating to aspen, now 5 - 10ft tall. Stocking levels moderate to fully stocked. Stand was harvested via clearcut as sale #42-012-14-01. Closed

Report 7 – Stands

Compartment: 108

DNR

Year of Entry: 2023

Stand	d Level 4 Co	Level 4 Cover Type			Size Density		Stand Age	BA Range	Managed Site		General Comments	
74	4110 - Sugar Maple Association			Poletimber Well		14.7	55	51-80	N/A		New stand originating from 151 which was established after the MWR cut. Majority of the canopy occupied by pole sized sugar maple, and	
	Canopy Species		Size Class		Age						ironwood with black cherry, balsam fir and aspen. Infrequent white pine	
	Sugar Maple	60	Pole	6	55						and beech.	
	Ironwood	7	Pole/Saplin	ig 5								
	Black Cherry	20	Pole	7								
	White Pine	3	Log	10								
	Quaking Aspen	10	Pole	8								
75	0			Poletimber Well		9.1 46	46	51-80	N/A		Stand was split from the adjacent aspen to the north based on canopy composition and wetness of the soil. Stand situated on intermediate	
	Canopy Species	% Cover	Size Class	DBH	l Age						ground leading to the lowlands to the south. Mixed bag stand bordered b	
	Red Maple	20	Pole	8	46						an old skid trail on the north. Higher ground has pole and log sized	
	Paper Birch	15	Sapling/Pol	le 4							aspen. Transition areas and lower portions within the site are generally small pole sized aspen dominated with cedar, red maple, paper birch and	
	Bigtooth Aspen	20	Pole/Saplin	ig 5							fir either co-dominant or overtopped. Occasional small pole sized birch	
	Balsam Fir	20	Pole	6							pockets.	
	White Pine	5	Log/XLog	16								
Nc	orthern White Cedar	20	Pole	5								
76	4110 - Sugar Maple Association			Sawtimb	er Well	46.0	46.0 95 1 ²			Basal area ranges roughly from 80 to 130. Lower basal area pockets		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	intermixed. Some mortality creating canopy openings. Low amount of regeneration of maple and cherry typically =10' with sparse to no	
	Sugar Maple	60	Log/XLog	16	95		ar Maple	Low	10 - 20 feet	Sapling	seedlings. Elderberry establishment in understory in the northern and	
	Red Maple	10	Log/XLog	13		Elderberry		High	5 - 10 feet	Tall Shrub	western portions of the site.	
	Yellow Birch	5	Log/Pole	11		I	Beech	Low	Variable	Sapling		
	Beech	5	Log	12		Irc	onwood	Trace	10 - 20 feet	Sapling		
	Black Cherry	20	Log/Pole	11		Sug	gar Maple	Low	< 5 feet	Seeding		
77	4110 - Sugar Maple Association		Sawtimb	er Well	228.8	95	81-110	N/A		Stand similar composition to the adjacent hardwoods to the north. Portions of the stand was thinned via Luce County lease management.		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Luce county lease.	
	Sugar Maple	60	Log/XLog	16	95	Sug	gar Maple	Low	10 - 20 feet	Sapling		
	Red Maple	10	Log/XLog	13		Ele	derberry	High	5 - 10 feet	Tall Shrub		
	Yellow Birch	5	Log/Pole	11		I	Beech	Low	Variable	Sapling		
	Beech	5	Log	12		Irc	onwood	Trace	10 - 20 feet	Sapling		
	Black Cherry	20	Log/Pole	11		Sug	gar Maple	Low	< 5 feet	Seeding		
78	4130 - Aspen			Sawtimber Well		6.0			N/A		Edge call. Stand split from the adjacent aspen that was harvested on Luce county lease land. Small stand is good age class diversity and can	
	Canopy Species		Size Class		I Age		nopy Species	5 Density		Size	be retained.	
	Sugar Maple	5	Pole	8			gar Maple	Low	5 - 10 feet	Sapling		
	Red Maple	10	Pole	8		Irc	onwood	Low	10 - 20 feet	Sapling		
					05							
	Quaking Aspen	65	Log/Pole		65							
		65 10 10	Log/Pole Log/Pole		65							

Report 7 – Stands

Compartment: 108

Year of Entry: 2023



Stand	Level 4 Cover Type 4130 - Aspen			Size Density Sapling Well		Acres	Stand Age	BA Range	Managed Site N/A		General Comments Young aspen stand with balsam fir in association. Stand was harvested in 2013. Luce county lease.	
79						16.8	8	Immature				
151	4110 - Sugar Maple Association			Sawtimber Well		26.1	96	111-140	N/A		Ideal diameter distribution in northern portions of stand. Several pockets	
	Canopy Species	Canopy Species % Cover Size C		DBH Age		Sub-Canopy Species		s Density	Avg. Height Size	Size	of pole hard maple regeneration. Central portion of the stand canopy dominated by log sized sugar maple and cherry with basswood in	
	Sugar Maple	65	Log/Pole/XLog	11	96	Su	ugar Maple	Medium	Variable	Sapling	association. Portion of the stand is Luce County Lease Land. Black	
	Red Maple	Red Maple5Log/Pole10Basswood10Log/Pole12		10		Ironwood		Low	Variable	Sapling	cherry has heavy black knot. Infrequent scattered elderberry regen	
	Basswood				Beech		Low	5 - 10 feet	Sapling	throughout.		
	Black Cherry	15	Log/Pole	12	12 Balsam Fir		Medium	edium 10 - 20 feet	Sapling			
	Ironwood	5	Pole	8							-	