

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 135 Entry Year 2015 Acreage: 3,038 County Luce Management Area: Sage Truck Trail

Revision Date: 08/29/2013

Stand Examiner: Ryan Mattila

Legal Description:

T45N R8W Sections 32, 33, 34, 35 & 36

Identified Planning Goals:

Maintain or improve the forest health, productivity, and diversity of the area through proper management. Timber management, wildlife habitat, and recreational opportunities such as hunting are the main uses of the compartment.

Soil and topography:

The compartment is situated on the southern edge of the Sage River swamp complex and is comprised of a mix of upland and lowland types. The topography in the upland areas is level to rolling. There is one steep, rocky escarpment along the Sage Truck Trail through Section 35. Soils typical of the upland areas include Wallace, Paquin, Liminga, and Alcona sands. Along the steep ridge is a rocky complex of Amadon-Longrie soil. The forest cover types on the upland soils are primarily northern hardwoods and aspen. The lowland, swamp areas are level and are comprised of wet soils such as Carbondale, Lupton, and Tawas Mucks along with Hendrie Mucky Peat. Forest cover types on these lowland soils include cedar, swamp conifers, and some lowland aspen.

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

With the exception of a privately owned 80 acre parcel, located in Section 36, the entire compartment is under State of Michigan ownership. The compartment is bounded by state land on all sides. Since the compartment is primarily state land along with the surrounding land base, development in and around the compartment is almost non-existent. Land use in the compartment entails various forms of outdoor recreation including hunting, fishing, wildlife viewing and hiking. Timber production also is a major use of the compartment.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The compartment is primarily one large, continuous block of state land. The wildlife habitat lends itself to high use for various types of hunting in the compartment. Management decisions should promote and enhance characteristics such as age class diversity and species diversity to sustain these recreational opportunities in the compartment. Any management activity near the Sage River should follow BMP guidelines.

Watershed and Fisheries Considerations:

Fisheries Values: Good to Excellent

Fisheries Concerns: This compartment contains forks of the East Branch Sage River. All of the forks are designated trout streams. Fisheries surveys in 2012 at various locations along these forks found brook trout scattered. Similar to the Hendrie River drainage, these forks are "marginal" native brook trout habitat and need to be protected. They still provide spawning and nursery areas for brook trout, as well as other fish species. The majority of the treatments are not located near the streams with the exception of stand 26. In stand 26 a clear-cut is proposed in this lowland conifer cover type. If treatment does occur, a 200 foot buffer should be maintained along the stream.

Wildlife Habitat Considerations:

This large compartment is located in the Seney Sand Lake Plain ecological sub-subsection. It is also within the Sage River deer yard and supports high numbers of deer during demanding winter periods. This compartment is relatively diverse in plant community composition with aspen and upland hardwoods dominating. A significant portion of the compartment is occupied by lowland conifers which is consistent with presettlement data although the upland hardwood component has likely increased in the current day landscape.

Conifer canopies should not be disturbed in this compartment to maintain the wildlife values of those stands. No hemlock or cedar should be harvested to retain thermal cover within stands. Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats. Wildlife objectives will be achieved by the retention of conifers, hard and soft mast producing trees, wildlife den and nest trees and snags in hardwoods stands and the preservation of conifer components of aspen stands. In addition, harvests should occur during winter months and tops should not be chipped to provide a food source for wintering deer. Wildlife featured species in this management area include American marten, black bear, ruffed grouse, white-tailed deer and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck, lacustrine clay and silt and coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group and Cabothead Shale subcrop below the glacial drift. The Burnt Bluff is quarried at Hendricks quarry just to the southwest. There should be gravel potential in Sections 35 and 36. There is no economic oil and gas production in the UP.

Vehicle Access:

This compartment is located southeast of Newberry where the Luce, Mackinac, and Chippewa County lines all meet. Access to the compartment is via the Dinkey Line Road through Mackinac County to the south of the compartment boundary. From the Dinkey Line, the Kneeland Bigelow Road and the Sage Truck Trail enter the compartment boundary with the Sage Truck Trail providing the main access to most of the compartment. The Hendricks Quarry Truck Trail enters the very western portion of the compartment. There are several two track roads leading to different areas of the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

There are no developed recreational facilities within the compartment. Recreational opportunities would include hunting, fishing, hiking, berry picking, and wildlife viewing.

Fire Protection:

Potential for large fire runs would be low, because of swamp conifers and upland hardwood types in this compartment. Heavy equipment access may be marginal in some areas for suppression activities. Wildfire risk to private properties would be low.

Additional Compartment Information:

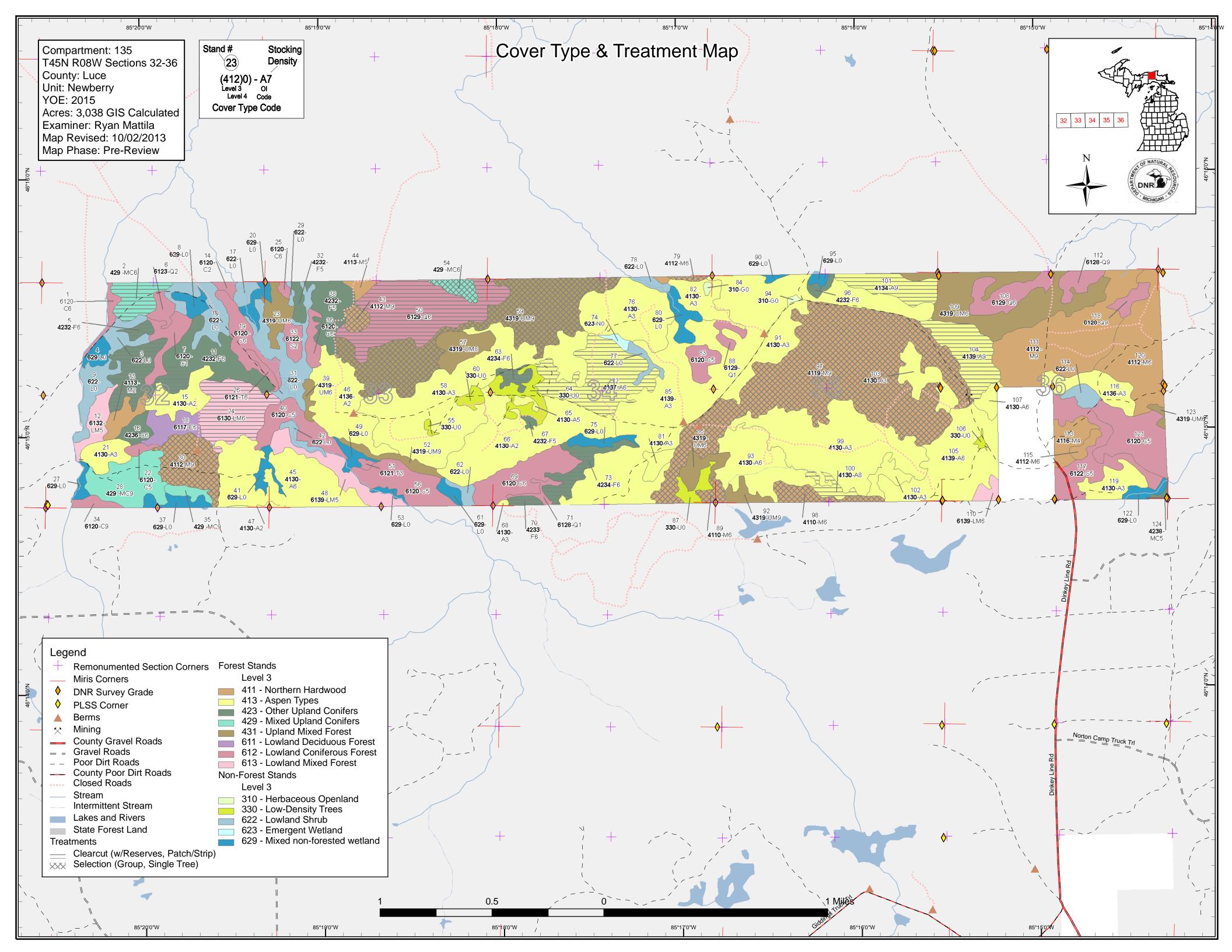
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas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

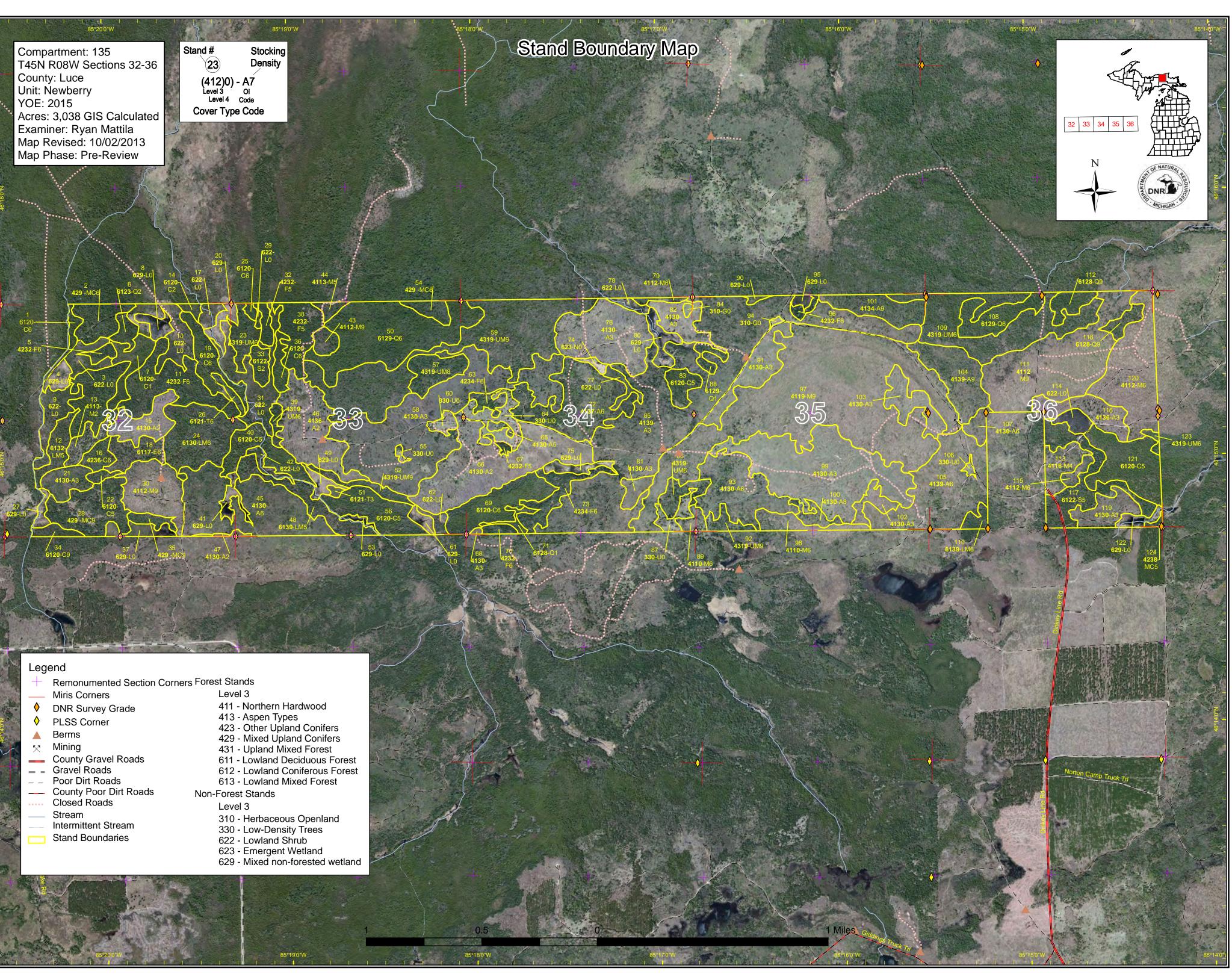
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers

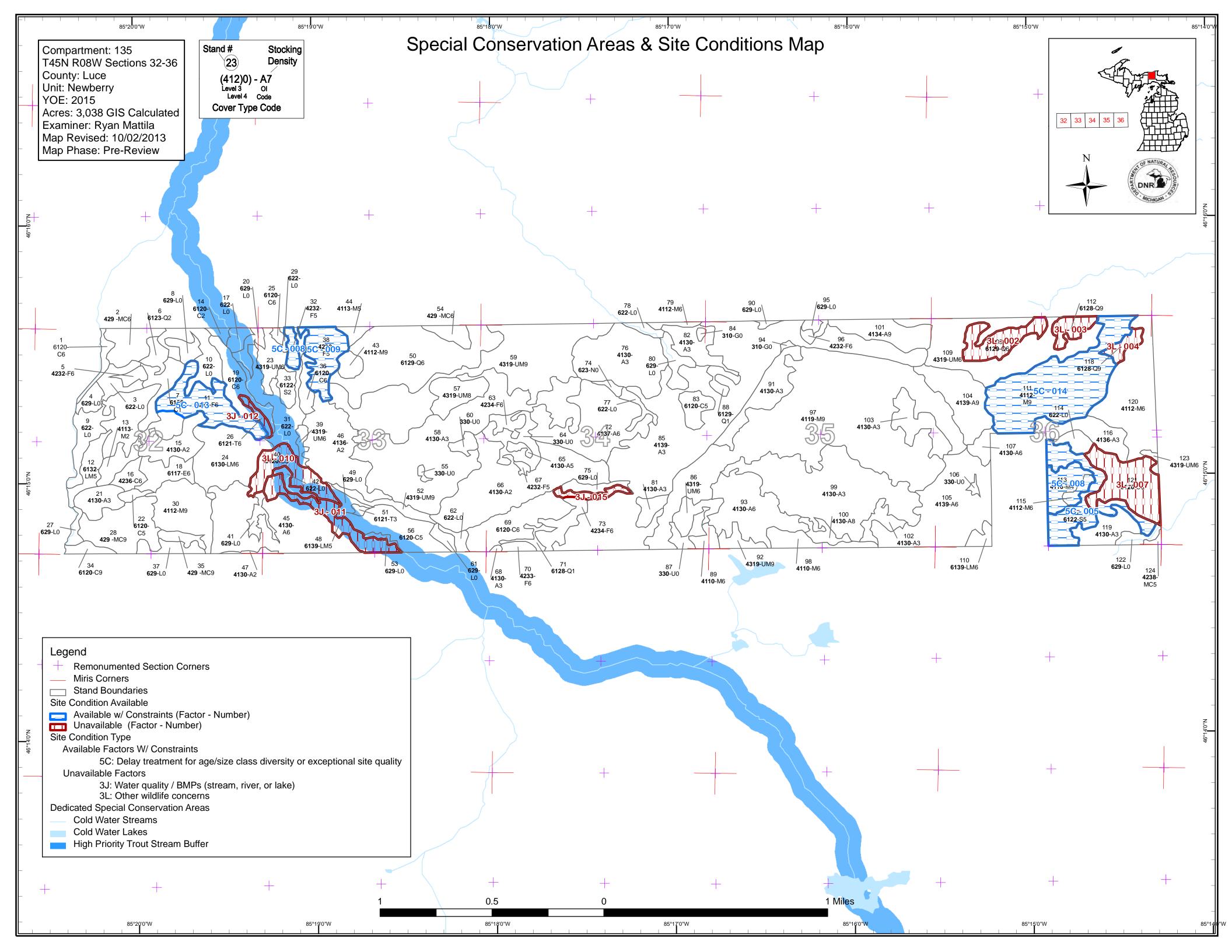
Proposed treatments

Site condition boundaries

Details on the road access system







Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit Ryan Mattilla : Examiner

Compartment 135 Year of Entry 2015



Age	Class
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Cedar	0	0	0	0	0	0	0	6	48	0	54	6	108	0	221	
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Low-Density Trees	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34	1
_owland Conifers	0	0	0	4	7	6	0	0	90	0	0	0	42	0	149	
Lowland Deciduous	0	0	0	0	0	0	0	17	0	0	0	0	0	0	17	1
Lowland Mixed Forest	0	0	0	0	5	0	0	0	86	0	0	0	0	0	92	1
_owland Shrub	197	0	0	0	0	0	0	0	0	0	0	0	0	0	197	1
Lowland Spruce/Fir	0	0	8	0	0	0	0	0	41	0	0	0	0	0	49	1
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
Northern Hardwood	11	0	0	0	16	0	14	14	487	0	0	0	0	0	542	1
Tamarack	0	0	0	2	0	0	0	0	0	0	4	0	0	0	5	1
Upland Conifers	0	0	0	0	0	19	40	1	6	8	0	0	0	0	74	1
Upland Mixed Forest	0	0	0	0	0	39	21	0	215	0	0	0	0	0	274	1
Upland Spruce/Fir	0	0	0	3	0	55	9	0	82	0	0	0	0	0	150]
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2	42135002-Cut	19.2	429 - Mixed Upland Conifers	High Density Pole	56		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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	<u>Date:</u> 10/01/20	12								
5	42135005-Cut	4.4	42320 - Upland Spruce	High Density Pole	84		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
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Next	Follow-u	p treatment	with a regeneration s	survey as pe	er the wo	rk instructi	ons. Acceptable	regeneration is asp	en, maple, cherry, ceo	dar, yellow and
Steps	s: paper bi	rch, basswo	ood, balsam fir, white	spruce, bla	ck spruce	e, hemlock	, red pine, and w	/hite pine.		
	<u>sed</u> Date: 10/01/20	14								
		14 39.3	42320 - Upland Spruce	High Density Pole	82		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
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30	42135	030-Cut	37.4	4112 - Maple, Beech, Cherry Association	High Density Lo	83 g	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
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43		043-Cut	7.0	4112 - Maple, Beech, Cherry Association	High Density Lo	85 g	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
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Presc Spec: Other Comr Next Steps Propo Start I	cription s: ments: <u>s:</u> sed Date: 42135	clear cut Deer yar Leave al food sou minimum Follow-u tamaracl 10/01/201 054-Cut mark to o	stand leavi d winter cut l hemlock a rces for dee n rate of 1 p p treatment k, aspen, re 14 8.2	Coniferous Lowland Forest ing all hemlock, ced t No chipping of top and cedar for the be er. Retain some larg er 2 acres for soft s with a regeneration d maple or birch	I Density Pole lar, and some s and limbs a nefit of winter ge white pine snags and min n survey as pole High Density Pole ut most of the	e white pi is per VN ring deer for bear d story n er the wo 90 e aspen a	AS cutting s . Harvest s refuge tree esting loca ork instructi 171-200 and white b	eave 1 aspen, bir specification 2.2. tand during winte s, and retain oth tions. ons. acceptable Harvest irch leaving som	Reserves rch, maple or limby 10. er and retain all top er species (aspen, regeneration includ Single Tree Selection	Coniferous Forest spruce for every 2 acre s on site during the win birch, maple or limby s les any mix of spruce, f 429 - Mixed Upland	Proposal es harvested, ter period for pruce) at a fir, cedar, Cmpt. Review Proposal
Presc Spec: Other Comr Next Steps Propo: Start I 54 Presc Spec: Other	cription s: ments: <u>s:</u> sed Date: 42135 cription s:	clear cut Deer yar Leave al food sou minimum Follow-u tamaracl 10/01/201 054-Cut mark to o	stand leavi d winter cut l hemlock a rces for dee n rate of 1 p p treatment k, aspen, re 14 8.2	Coniferous Lowland Forest ing all hemlock, cec t No chipping of top and cedar for the be er. Retain some larg er 2 acres for soft s with a regeneration d maple or birch 429 - Mixed Upland Conifers ne and red maple c	I Density Pole lar, and some s and limbs a nefit of winter ge white pine snags and min n survey as pole High Density Pole ut most of the	e white pi is per VN ring deer for bear d story n er the wo 90 e aspen a	AS cutting s . Harvest s refuge tree esting loca ork instructi 171-200 and white b	eave 1 aspen, bir specification 2.2. tand during winte s, and retain oth tions. ons. acceptable Harvest irch leaving som	Reserves rch, maple or limby 10. er and retain all top er species (aspen, regeneration includ Single Tree Selection	Coniferous Forest spruce for every 2 acre s on site during the win birch, maple or limby s les any mix of spruce, f 429 - Mixed Upland Conifers	Proposal es harvested, ter period for pruce) at a fir, cedar, Cmpt. Review Proposal
Presc Spec: Other Comr Next Steps Propo: Start I 54 Presc Spec: Other	cription s: ments: <u>sed</u> Date: 42135 cription s: r ments:	clear cut Deer yar Leave al food sou minimum Follow-u tamaracl 10/01/201 054-Cut mark to o winter cu	stand leavi d winter cut l hemlock a rces for dee n rate of 1 p p treatment k, aspen, re 14 8.2 cut white pin it No chippin p treatment	Coniferous Lowland Forest ing all hemlock, cec t No chipping of top and cedar for the be er. Retain some larg er 2 acres for soft s with a regeneration d maple or birch 429 - Mixed Upland Conifers ne and red maple c ng of tops and limb	d Density Pole lar, and some s and limbs a nefit of winter ge white pine snags and min n survey as p High Density Pole ut most of the s as per VMS	e white pi is per VN ring deer for bear d story n er the wo 90 e aspen a cutting s er the wo	AS cutting s . Harvest s refuge tree esting loca ork instructi 171-200 and white b specificatio	eave 1 aspen, bir specification 2.2. tand during winte s, and retain oth tions. ons. acceptable Harvest irch leaving som n 2.2.10.	Reserves rch, maple or limby 10. er and retain all top er species (aspen, regeneration includ Single Tree Selection re for diversity, leav	Coniferous Forest spruce for every 2 acre s on site during the win birch, maple or limby s les any mix of spruce, f 429 - Mixed Upland Conifers	Proposal es harvested, ter period for pruce) at a fir, cedar, Cmpt. Review Proposal ar. Deer yard

Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 135 Year of Entry 2015



a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
59	42135059-Cut	127.7	4319 - Mixed Upland Forest	High Density Log	85	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription mark to harvest stand in areas of hardwood, target 80 sq ft ba, leave hemlock, multi treed cedar pockets, white pine, and cherry. cut spruce/fir specs: ware needed for opperatability. Deer yard winter cut No chipping of tops and limbs as per VMS cutting specification 2.2.10.

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Start Date: 10/01/2014
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63 4213	35063-Cut	6.8	42340 - Upland Spruce/Fir	High Density Pole	57	Harvest	Clearcut	310 - Herbaceous Openland	Cmpt. Review Proposal
Prescription Specs:	n_ Clearcut to r	emove	trees from oppening						
<u>Other</u> Comments	<u>:</u>								
<u>Next</u> <u>Steps:</u>									
Proposed Start Date:	10/01/2014								
70 4213	35070-Cut	3.8	42330 - Upland Fir	High Density Pole	68	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
Prescription Specs:	n_ Clearcut to r	egenera	ate, leave a mix of spe	ecies and siz	e classes in redline t	trees for retention	n and any hemloc	k	
<u>Other</u> Comments	<u>.</u>								
<u>Next</u> <u>Steps:</u>			with a regeneration s bod, white and black s				generation is aspe	en, maple, cherry, bee	ech, paper and
Proposed Start Date:	10/01/2014								
72 4213	35072-Cut	64.9	4137 - Aspen, Birch	High Density Pole	85	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
Prescription Specs:			ate, leave large (relativ hemlock winter cut No						or every 2 ac
<u>Other</u> Comments		harves	ted after October 1st	or during wir	nter to allow deer to b	penefit from buds	s on trees and top	s and will not be chip	ped.
<u>Next</u> <u>Steps:</u>			with a regeneration s bod, white and black s				generation is aspe	en, maple, cherry, bee	ech, paper and
Proposed Start Date:	10/01/2017								

Other Leave all hemlock and cedar pockets (3 or more cedar) for the benefit of wintering deer. Harvest stand during winter and retain all tops on site during the winter period for food sources for deer. Leave cherry as a soft mast source for bear, spruce/fir(unless needed for operability) for grouse and species diversity in the stand and white pine for bear refuge trees.

NextFollow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow andSteps:paper birch, basswood, balsam fir, white spruce, black spruce, hemlock, red pine, and white pine.

Proposed

S t			Newbe	rry Mgt. Unit	Repo			nents Prescri ting Factor	bed	Compartment: 135 Year of Entry 2015	AND DR. CONTURNED
a n d	Treat Na		Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73	421350	173-Cut	14.1	42340 - Upland Spruce/Fir	High Density Pole	53		Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
Prese Spec		Clearcut hemlock	to regenera	ate leave buffer along	beaver dan	ns to no	rth and ma	rk a mix of specie	es and size classes	s in redline trees for ret	ention, leave all
<u>Othe</u> Com	<u>r</u> ments:										
<u>Next</u> Steps				with a regeneration s bod, white and black s					regeneration is as	pen, maple, cherry, bee	ech, paper and
<u>Propo</u> <u>Start I</u>		0/01/201	4								
79	421350	979-Cut	2.0	4112 - Maple, Beech, Cherry Association	High Density Pole	75	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
Prese Spec		Set up a	s part of sal	e #42-048-12-01 with	compartmo	ent to no	orth				
<u>Othe</u> Com	<u>r</u> ments:										
<u>Next</u> Steps				with a regeneration s od, balsam fir, white						pen, maple, cherry, ceo	dar, yellow and
<u>Propo</u> <u>Start I</u>		0/01/201	1								
89	421350	989-Cut	6.0 4	4110 - Sugar Maple Association	High Density Pole	70	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
Preso Spec		mark to I	arvest to 8	0 sq ft BA, leave som	e spruce a	nd white	pine, leave	e all hemlock			
<u>Othe</u> Com	<u>r</u> ments:										
<u>Next</u> Steps				with a regeneration s ood, white and black s					regeneration is as	pen, maple, cherry, bee	ech, paper and
<u>Propo</u> Start I		0/01/201	4								
97	421350	97-Cut	272.3 I	4119 - Mixed Northern Hardwoods	High Density Lo	85 9	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
Prese Spec				0 sq ft BA, open up a spen faver leaving arc					anopy gaps, leave	all conifer for species	diversity, don't
<u>Othe</u> Com	<u>r</u> ments:										
<u>Next</u> Steps				with a regeneration s bod, white and black s					regeneration is as	pen, maple, cherry, bee	ech, paper and
<u>Propo</u> Start I		0/01/201	4								

Compartment: 135 Newberry Mgt. Unit **Report 3 -- Treatments Prescribed** Year of Entry 2015 with No Limiting Factor s t а Treatment BA Treatment Treatment Cover Type Acres CoverType Size Stand Approval n Objective d Name Density Age Range Type Method Status 13.7 4110 - Sugar Maple High 111-140 411 - Northern Cmpt. Review 98 42135098-Cut 69 Harvest Single Tree Association Densitv Selection Hardwood Proposal Pole Prescription mark to harvest to 80 sqft ba target beech with scale, leave some spruce and white pine if it exists, leave all hemlock Specs Other Comments: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, paper and Next yellow birch, basswood, white and black spruce, balsam fir, white pine, and ironwood. Steps: Proposed 10/01/2017 Start Date: 100 42135100-Cut 7.6 4130 - Aspen Medium 69 Harvest Clearcut with 413 - Aspen Cmpt. Review Reserves Density Log Proposal Prescription Clearcut to regenerate, leave large (relative) diameter aspen throughout the red line and scattered through stand leave 1 conifer for every 2 ac Specs: harvested (spruce and white pine if it exists) leave all hemlock, <u>Other</u> Comments: <u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, paper and Steps: yellow birch, basswood, white and black spruce, balsam fir, white pine, and ironwood. Proposed Start Date: 10/01/2017 42135101-Cut 25.3 80 Harvest Clearcut with 413 - Aspen 101 4134 - Aspen, High Cmpt. Review Spruce/Fir Density Log Reserves Proposal Prescription Clearcut to regenerate, leave large (relative) diameter aspen throughout the red line and scattered through stand leave 1 conifer for every 2 ac harvested (mature spruce), leave all hemlock Specs: Other Comments: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, paper and <u>Next</u> yellow birch, basswood, white and black spruce, balsam fir, white pine, and ironwood. Steps: Proposed Start Date: 10/01/2017 Clearcut with 42135104-Cut 79 Cmpt. Review 104 37.5 4139 - Aspen, High Harvest 413 - Aspen Mixed Deciduous Density Log Reserves Proposal Prescription Clearcut to regenerate, leave large (relative) diameter aspen throughout the red line and scattered through stand leave 1 conifer for every 2 ac harvested (mature spruce), winter cut leave all hemlock No chipping of tops and limbs as per VMS cutting specification 2.2.10 Specs: Leave all hemlock in the stand for the benefit of wintering deer and bear refuge trees. Scattered aspen will be left in the stand to benefit grouse Other_ Comments: as well as one scattered conifer every two acres. Mature aspen trees will also be left in the red line of the stand to benefit grouse. Stand will be harvested after October 1st or during winter and will not be chipped to allow deer to benefit from buds on trees. Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, paper and <u>Next</u> vellow birch, basswood, white and black spruce, balsam fir, white pine, and ironwood. Steps: Proposed

Start Date: 10/01/2014

Total Treatment Acreage Proposed: 834.8

S t		Newbe	rry Mgt. Unit	Report 4		eatment imiting	Compartment: 135 Year of Entry 2015	DNR OF NATURAL AND		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
		#Type!	#Type!							
Presc Specs Other Comm										
<u>Next</u> Steps	<u>.</u>									
<u>Propo</u> Start [
<u>Limitir</u>	ng Factor									
Ac	Total Treatme reage Propose)							

Ryan Mattila : Examiner

Compartment 135 Year of Entry 2015

Availability for Management

Total	Acres	Acres		Domina	nt Site	e Cono	ditions
Acres	Available	Not Available		No	5C	3L	3J
1230	1230		Aspen	1,230			
221	153	68	Cedar	153		68	
149	107	42	Lowland Conifers	107		42	
17	17		Lowland Deciduous	17			
92	67	24	Lowland Mixed Forest	67			24
49	49		Lowland Spruce/Fir	8	41		
542	542		Northern Hardwood	420	122		
5	2	4	Tamarack	2			4
74	74		Upland Conifers	74			
274	274		Upland Mixed Forest	274			
150	144	6	Upland Spruce/Fir	73	71		6
2,802	2,658	144	Total Forested Acres	2,424	233	110	34
	95%	5%	Relative Percent				<u> </u>

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

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	3L: Other wildlife concerns	24	5A: Not able to obtain desirable regeneration			
С	omments:						
003	Not Available	3L: Other wildlife concerns	11	5A: Not able to obtain desirable regeneration			
С	omments:						
004	Not Available	3L: Other wildlife concerns	8	5A: Not able to obtain desirable regeneration			
С	omments:						

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005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41			
С	omments:					
007	Not Available	3L: Other wildlife concerns	42			
С	omments:					
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27			
С	omments:					
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27			
С	omments:					
010	Not Available	3L: Other wildlife concerns	26	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	
С	omments:					
011	Not Available	3J: Water quality / BMPs (stream, river, or lake)	25			
С	omments:					

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012	Not Available	3J: Water quality / BMPs (stream, river, or lake)	4
С	omments:		
013	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39
С	omments:		
014	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	100
С	omments:		
015	Not Available	3J: Water quality / BMPs (stream, river, or lake)	6
С	omments:		



Report 6 – 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 7 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Conservatio Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spect conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wild and Waterfowl Production Areas, deer wintering complexes in lo openings and savannas. Habitat areas are distinct from critical h endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened o covered by species recovery plans that are developed in cooper	wland conifer communities, grassland nabitat designated for recovery of piping plover areas) in that they are more r endangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of th streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effer as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well

S t				Report 8	– Forested Stands	Compartment: 135 Year of Entry: 2015	DR NATURAL RESOURCE
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	E . MICHIGAN .
1	6120 - Lowland Cedar	High Density Pole	5.6	111			
2	429 - Mixed Upland Conifers	High Density Pole	19.2	56			
5	42320 - Upland Spruce	High Density Pole	4.4	84			
6	6123 - Lowland Fir	Medium Density	7.2	40			
7	6120 - Lowland Cedar	Low Density Sapling	15.9	80			
11	42320 - Upland Spruce	High Density Pole	77.8	82			
12	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	13.9	83			
13	4113 - R.Maple, Conifer	Medium Density	11.0	4			
14	6120 - Lowland Cedar	Medium Density	2.8	140			
15	4130 - Aspen	Medium Density	21.8	4			
16	42360 - Upland Cedar	High Density Pole	8.5	101			
18	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	16.6	72			
19	6120 - Lowland Cedar	High Density Pole	21.5	100			
21	4130 - Aspen	High Density Sapling	15.0	28			
22	6120 - Lowland Cedar	Medium Density Pole	3.3	101			
23	4319 - Mixed Upland Forest	High Density Pole	14.2	60	81-110		
24	6130 - Fir, Aspen, Maple	High Density Pole	47.8	84			
25	6120 - Lowland Cedar	High Density Pole	1.9	100			

S t	Newberry Mgt. Unit			Report 8	– Forested Stands	Compartment: 135 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	6121 - Tamarack	High Density Pole	3.9	102		
28	429 - Mixed Upland Conifers	High Density Log	39.6	61		
30	4112 - Maple, Beech, Cherry Association	High Density Log	37.4	83	111-140	
32	42320 - Upland Spruce	Medium Density Pole	5.6	60		
33	6122 - Black Spruce	Medium Density	7.6	25		
34	6120 - Lowland Cedar	High Density Log	5.5	78		
35	429 - Mixed Upland Conifers	High Density Log	5.8	83	81-110	
36	6120 - Lowland Cedar	High Density Pole	8.0	100		
38	42320 - Upland Spruce	Medium Density Pole	26.8	57		
39	4319 - Mixed Upland Forest	High Density Pole	4.4	60		
40	6120 - Lowland Cedar	Medium Density Pole	25.7	153		
43	4112 - Maple, Beech, Cherry Association	High Density Log	7.0	85	111-140	
44	4113 - R.Maple, Conifer	Medium Density Pole	4.3	82	1-50	
45	4130 - Aspen	High Density Pole	83.3	26		
46	4136 - Aspen, Mixed Conifer	Medium Density	54.3	5		
47	4130 - Aspen	Medium Density	1.9	5		
48	6139 - Mixed Lowland Forest	Medium Density Pole	24.5	84		
50	6129 - Mixed Coniferous Lowland Forest	High Density Pole	89.7	85		

S t	Newberry Mgt. Unit			Report 8	– Forested Stands	Compartment: 135 Year of Entry: 2015	DNR DNR
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	A MICHIGAN
51	6121 - Tamarack	High Density Sapling	1.6	30			
52	4319 - Mixed Upland Forest	High Density Log	9.3	81			
54	429 - Mixed Upland Conifers	High Density Pole	8.2	90	171-200		
56	6120 - Lowland Cedar	Medium Density Pole	32.1	85			
57	4319 - Mixed Upland Forest	Medium Density Log	19.4	58	81-110		
58	4130 - Aspen	High Density Sapling	143.3	13			
59	4319 - Mixed Upland Forest	High Density Log	127.7	85	111-140		
63	42340 - Upland Spruce/Fir	High Density Pole	6.8	57			
65	4130 - Aspen	Medium Density Pole	2.5	57			
66	4130 - Aspen	Medium Density	93.9	4			
67	42320 - Upland Spruce	Medium Density Pole	1.7	57			
68	4130 - Aspen	High Density Sapling	0.8	13			
69	6120 - Lowland Cedar	High Density Pole	36.8	145			
70	42330 - Upland Fir	High Density Pole	3.8	68			
71	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Sapling	4.3	30			
72	4137 - Aspen, Birch	High Density Pole	64.9	85			
73	42340 - Upland Spruce/Fir	High Density Pole	20.1	53			
76	4130 - Aspen	High Density Sapling	59.7	4			

S t	Newberry Mgt. Unit			Report 8	– Forested Stands	Compartment: 135 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	4112 - Maple, Beech, Cherry Association	High Density Pole	3.0	75	111-140	
81	4130 - Aspen	High Density Sapling	7.7	13		
82	4130 - Aspen	High Density Sapling	18.9	4		
83	6120 - Lowland Cedar	Medium Density Pole	11.1	100		
85	4139 - Aspen, Mixed Deciduous	High Density Sapling	236.0	20		
86	4319 - Mixed Upland Forest	High Density Pole	12.1	57		
88	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	5.7	59		
89	4110 - Sugar Maple Association	High Density Pole	6.0	70	111-140	
91	4130 - Aspen	High Density Sapling	27.5	4		
92	4319 - Mixed Upland Forest	High Density Log	7.4	50		
93	4130 - Aspen	High Density Pole	51.1	22		
96	42320 - Upland Spruce	High Density Pole	3.5	35		
97	4119 - Mixed Northern Hardwoods	High Density Log	272.3	85	111-140	
98	4110 - Sugar Maple Association	High Density Pole	13.7	69	111-140	
99	4130 - Aspen	High Density Sapling	115.0	4		
100	4130 - Aspen	Medium Density Log	7.6	69		
101	4134 - Aspen, Spruce/Fir	High Density Log	25.3	80		
102	4130 - Aspen	High Density Sapling	9.5	36		

S t	Newberry Mgt. Unit			Report 8	– Forested Stands	Compartment: 135 Year of Entry: 2015	DNR DNR
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	B. MICHIGAN
103	4130 - Aspen	High Density Sapling	21.3	4			
104	4139 - Aspen, Mixed Deciduous	High Density Log	37.5	79			
105	4139 - Aspen, Mixed Deciduous	High Density Pole	80.9	25			
107	4130 - Aspen	High Density Pole	7.0	47			
108	6129 - Mixed Coniferous Lowland Forest	High Density Pole	23.5	175			
109	4319 - Mixed Upland Forest	High Density Pole	77.4	85	81-110		
110	6139 - Mixed Lowland Forest	High Density Pole	5.5	41			
111	4112 - Maple, Beech, Cherry Association	High Density Log	100.4	85	111-140		
112	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	10.7	175			
113	4116 - Mixed N. Hardwood - Aspen	Low Density Pole	16.2	49	1-50		
115	4112 - Maple, Beech, Cherry Association	High Density Pole	5.1	70	81-110		
116	4136 - Aspen, Mixed Conifer	High Density Sapling	24.1	6			
117	6122 - Black Spruce	Medium Density Pole	41.0	85			
118	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	7.5	175			
119	4130 - Aspen	High Density Sapling	19.2	15			
120	4112 - Maple, Beech, Cherry Association	High Density Pole	65.5	85	51-80		
121	6120 - Lowland Cedar	Medium Density Pole	42.2	150			
123	4319 - Mixed Upland Forest	High Density Pole	2.3	60			

S t	Newberr	Report 8 – Forested Stands			Compartment: 135 Year of Entry: 2015	DR NATURAL REBOURD	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	B. MICHIGAN
124	42380 - Non Pine Upland Conifer, Mixed Deciduous	Medium Density Pole	1.4	70			

Report 9 – Nonforested Stands

Compartment: 135 Year of Entry: 2015



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:	MICHIGAN
3	622 - Lowland Shrub	11.2	Unspecified	Unspecified		
4	629 - Mixed non-forested wetland	6.7	Unspecified	Unspecified		
8	629 - Mixed non-forested wetland	6.8	Unspecified	Unspecified		
9	622 - Lowland Shrub	17.5	Unspecified	Unspecified		
10	622 - Lowland Shrub	22.8	Unspecified	Unspecified		
17	622 - Lowland Shrub	5.5	Unspecified	Unspecified		
20	629 - Mixed non-forested wetland	7.3	Unspecified	Unspecified		
27	629 - Mixed non-forested wetland	4.1	Unspecified	Unspecified		
29	622 - Lowland Shrub	1.3	Unspecified	Unspecified		
31	622 - Lowland Shrub	32.9	Unspecified	Unspecified		
37	629 - Mixed non-forested wetland	8.6	Unspecified	Unspecified		
41	629 - Mixed non-forested wetland	6.4	Unspecified	Unspecified		
42	622 - Lowland Shrub	5.1	Unspecified	Unspecified		
49	629 - Mixed non-forested wetland	5.7	Unspecified	Unspecified		
53	629 - Mixed non-forested wetland	2.4	Unspecified	Unspecified		
55	330 - Low-Density Trees	1.4	Unspecified	Unspecified		
60	330 - Low-Density Trees	5.0	Unspecified	Unspecified		
61	629 - Mixed non-forested wetland	4.3	Unspecified	Unspecified		

Report 9 – Nonforested Stands

Compartment: 135 Year of Entry: 2015



Managed **Management Priority** General Comments: Stand **Cover Type** Acres Site (Objective) 622 - Lowland Shrub Unspecified 4.2 Unspecified 62 330 - Low-Density Trees 17.8 Unspecified Unspecified 64 623 - Emergent Wetland 2.5 Unspecified Unspecified 74 629 - Mixed non-forested wetland 6.9 Unspecified Unspecified 75 622 - Lowland Shrub 5.3 Unspecified Unspecified 77 622 - Lowland Shrub Unspecified 4.0 Unspecified 78 629 - Mixed non-forested wetland 10.7 Unspecified Unspecified 80 310 - Herbaceous Openland 1.2 Unspecified Unspecified 84 330 - Low-Density Trees 8.1 Unspecified Unspecified 87 629 - Mixed non-forested wetland 1.5 Unspecified Unspecified 90 310 - Herbaceous Openland 1.0 Unspecified Unspecified 94 629 - Mixed non-forested wetland Unspecified Unspecified 2.5 95 330 - Low-Density Trees Unspecified Unspecified 106 1.4 622 - Lowland Shrub 7.4 Unspecified Unspecified 114 122 629 - Mixed non-forested wetland 5.8 Unspecified Unspecified