

Compartment Review Presentation

Gaylord Forest Management Unit Compartment 10 Entry Year 2015 Acreage: 2,835 County Otsego

Management Area: Kirtland's Warbler

Revision Date: 04/10/2013

Stand Examiner: Kim Lentz

Legal Description:

T29N, R01W, Sec. 32,33,34,35, & 36

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

Soils are primarily Grayling and Roselawn Sands. In lowland areas the soils are Rifle Peat and Carbondale Muck. Topography is generally level with the exception of the area along Big Creek. There are steep banks on both sides of the creek most of the way through the compartment.

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

This compartment is primarily surrounded by state land with the exception of the northeast corners of Sections 34, 35, & 36, which has private properties in the section, as well as around it. Gas development has impacted this compartment with extensive gas wells, one facility, and connecting buried gas pipelines throughout.

Unique Natural Features:

Big Creek is part of the natural river system of the AuSable River.

Archeological, Historical, and Cultural Features:

There are no archeological concerns within this compartment.

Special Management Designations or Considerations:

This compartment is part of the Kirtland Warbler Management Area Plan.

Watershed and Fisheries Considerations:

West Branch of Big Creek and its tributaries are located in this compartment which is a designated natural river part of the Ausable River system. The majority of this compartment is within the West Branch Big Creek watershed, with the western portion also in the North Branch AuSable River watershed. Prescribed management actions are appropriate for the protection of this water body.

Wildlife Habitat Considerations:

This compartment consists mostly of upland areas except in the middle which has wetlands associated with Big Creek and it's tributaries. The lowland area is used by a variety of species including waterfowl, amphibians, and various furbearers and songbirds. The upland areas contains mainly a jack pine/oak/aspen complex that lies within the Kirtlands's Warbler management area. Stands 13, 15, and 17 are going to be clearcut and replanted with jack pine in accordance with the Kirtland's Warbler management plan. This provides early successional habitat for the Kirtland's Warbler along with white-tailed deer, wild turkey, black bear and various oak/pine barren species. Stands 16, part of 33, and 66 are going to be clear cut to regenerated early successional aspen that is utilized by grouse and woodcock. Some mature oak will left in these stands to provide mast.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. The Mississippian Coldwater Shale subcrops below the glacial drift and does not have an economic use. The nearest gravel pit is located three miles to the south and potential is uncertain. The compartment appears to be completely developed for Antrim Shale gas production and is on the southern edge of the Niagaran reef trend.

Vehicle Access:

This compartment has good access with a network of gas pipeline dirt roads with Big Creek being the best gravel county maintained road. County Road 612 located off of Meridian Line Road is a paved road in Section 36. An extensive road 06/10/2014 10:02:19 AM - Page 1 of 2 KENNEDYK5

closure project utilizing guardrail was installed in Section 35 through a cooperative project with Huron Pines RC&D to block passage of vehicles across Big Creek. This road closure located on the consumers' powerline has been successful.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

Shupac snowmobile trail traverses through Section 32. There is also a Midland to Mackinaw Horse Trail which is designated from County Road 612 running through Sections 35 & 36.

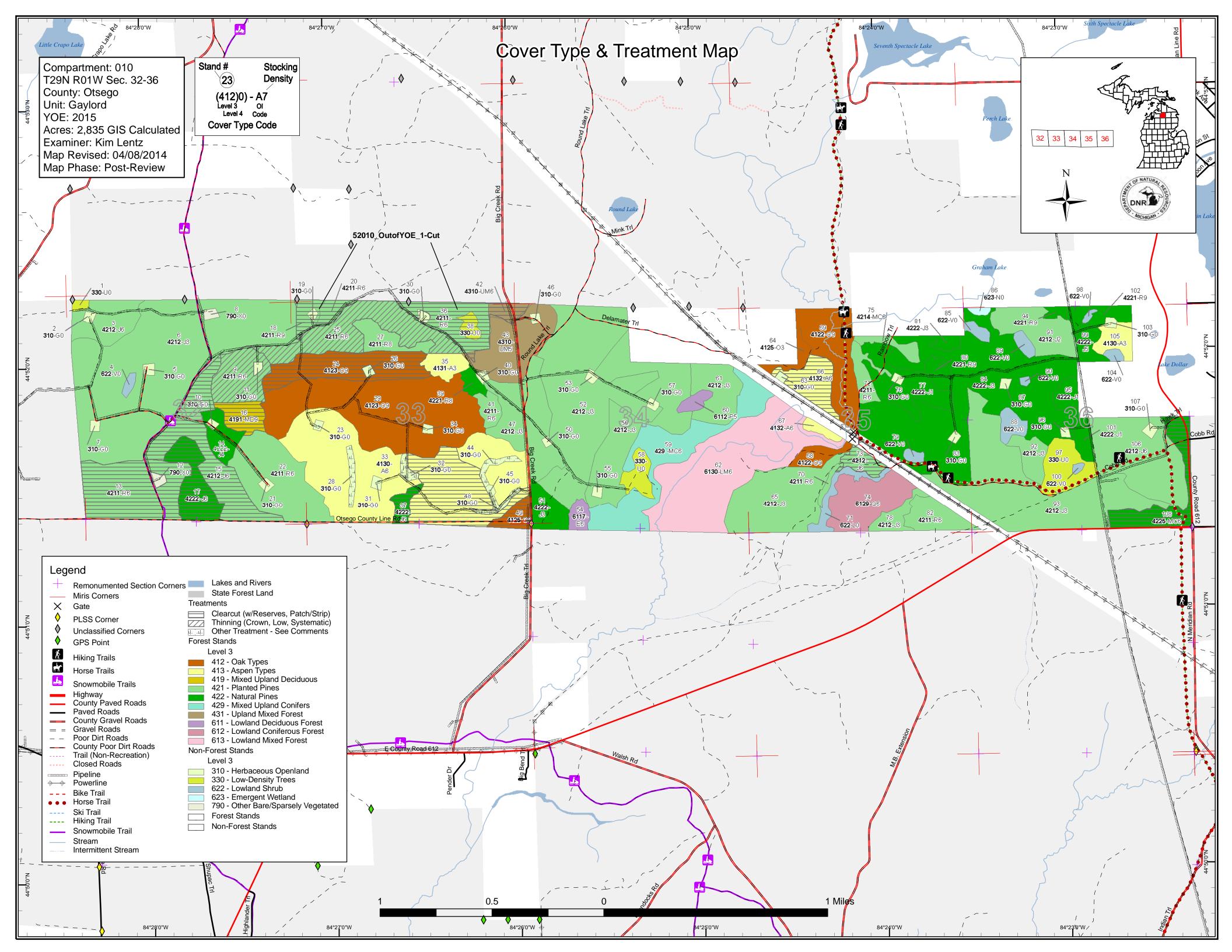
Fire Protection:

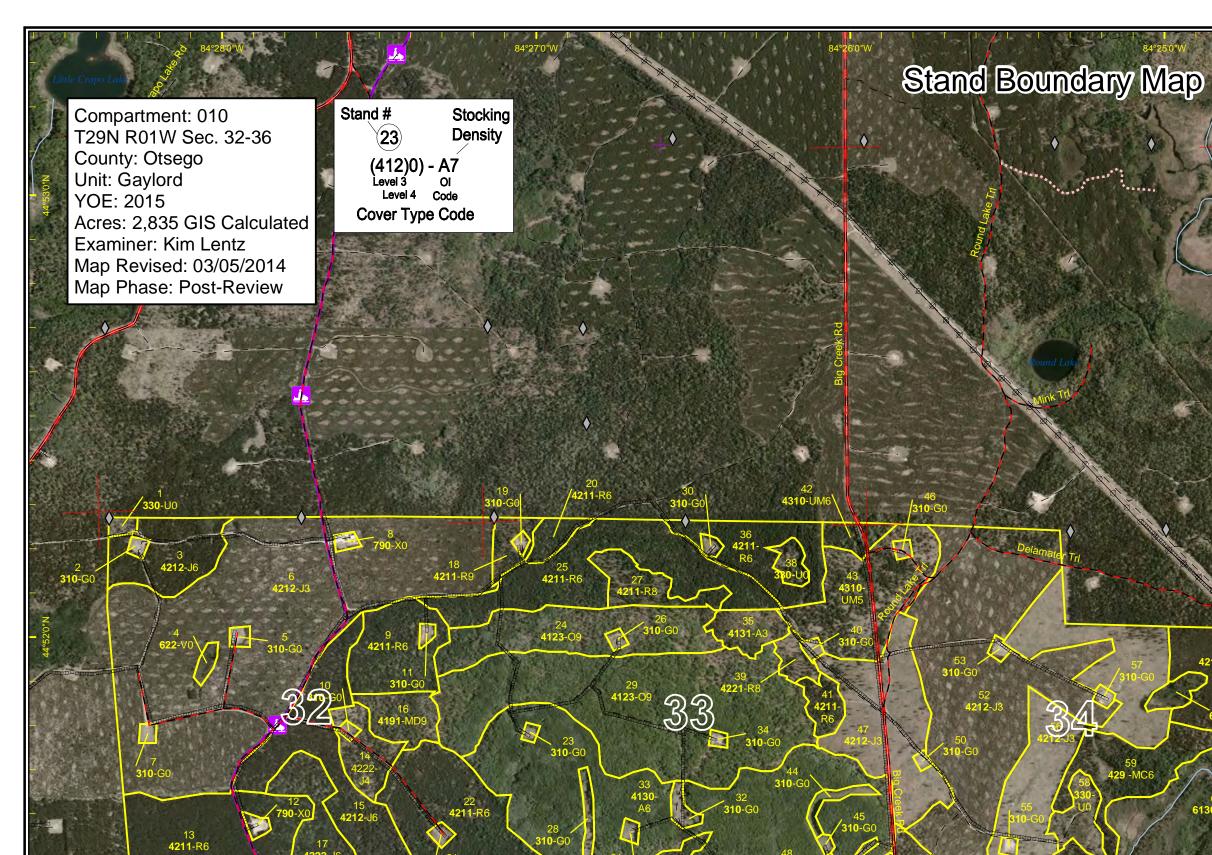
The Big Creek Fire burned through much of Sections 35 & 36 in 1981. There was also a more recent fire in the center of Section 36 in 2012.

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





Legend

in the

+	Remonumented Section Corners Miris Corners	\$
X	Gate	
\diamond	PLSS Corner	Forest
۸.	Unclassified Corners	l
 ♦ ♦ 	GPS Point	4
k	Hiking Trails	4
R ⁱ rt	Horse Trails	2
		2
<u> </u>	Snowmobile Trails	-
	Highway	4
	County Paved Roads	
	Paved Roads	(
	County Gravel Roads	ĺ
= =	Gravel Roads	Non-F
	Poor Dirt Roads	
	County Poor Dirt Roads	l
	Trail (Non-Recreation)	
	Closed Roads	
	Pipeline	(
\	Powerline	(
	Bike Trail	-
	Horse Trail	
	Ski Trail	
	Hiking Trail	
	Snowmobile Trail	

Stream

- Intermittent Stream
- Stand Boundaries

st Stands

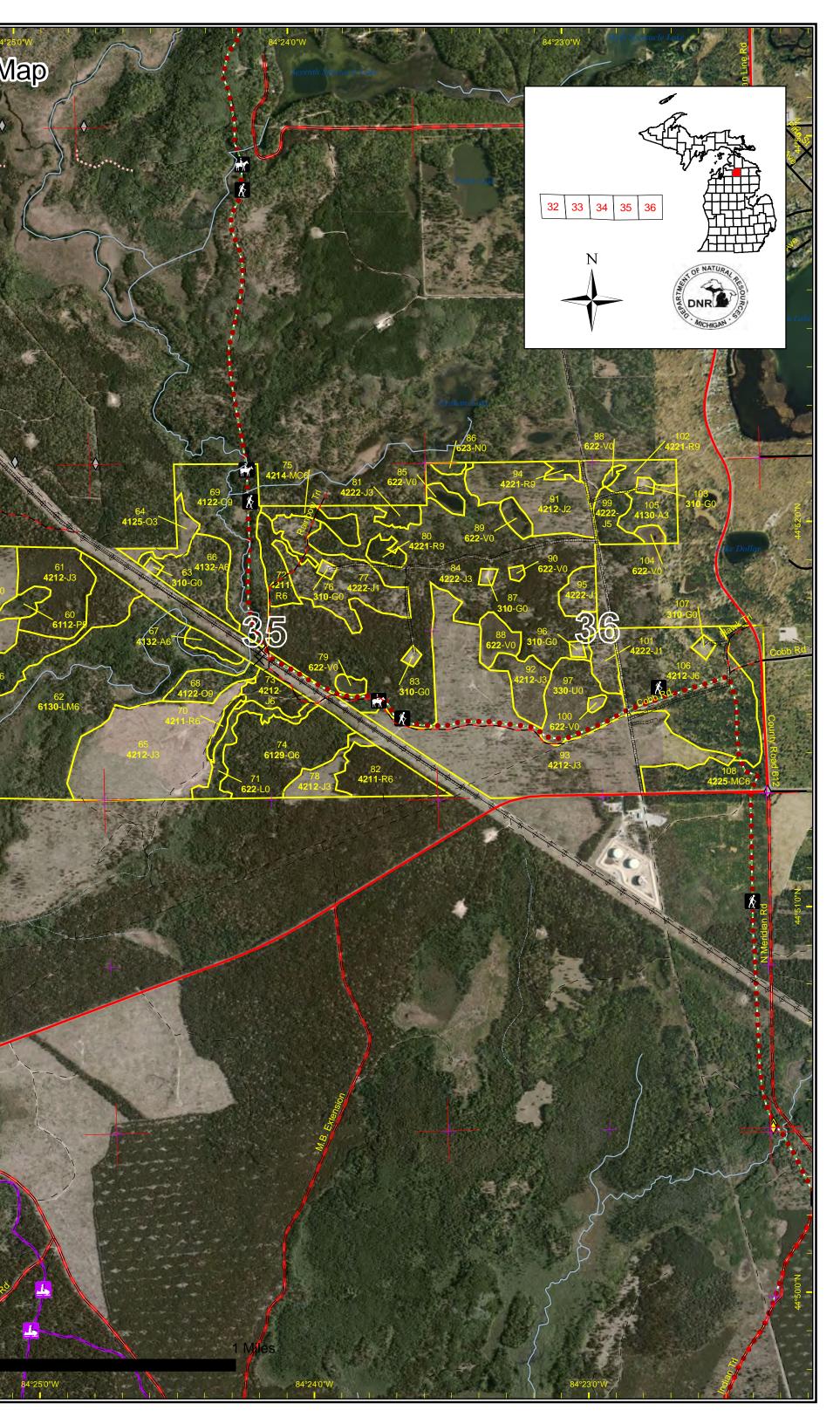
- Level 3

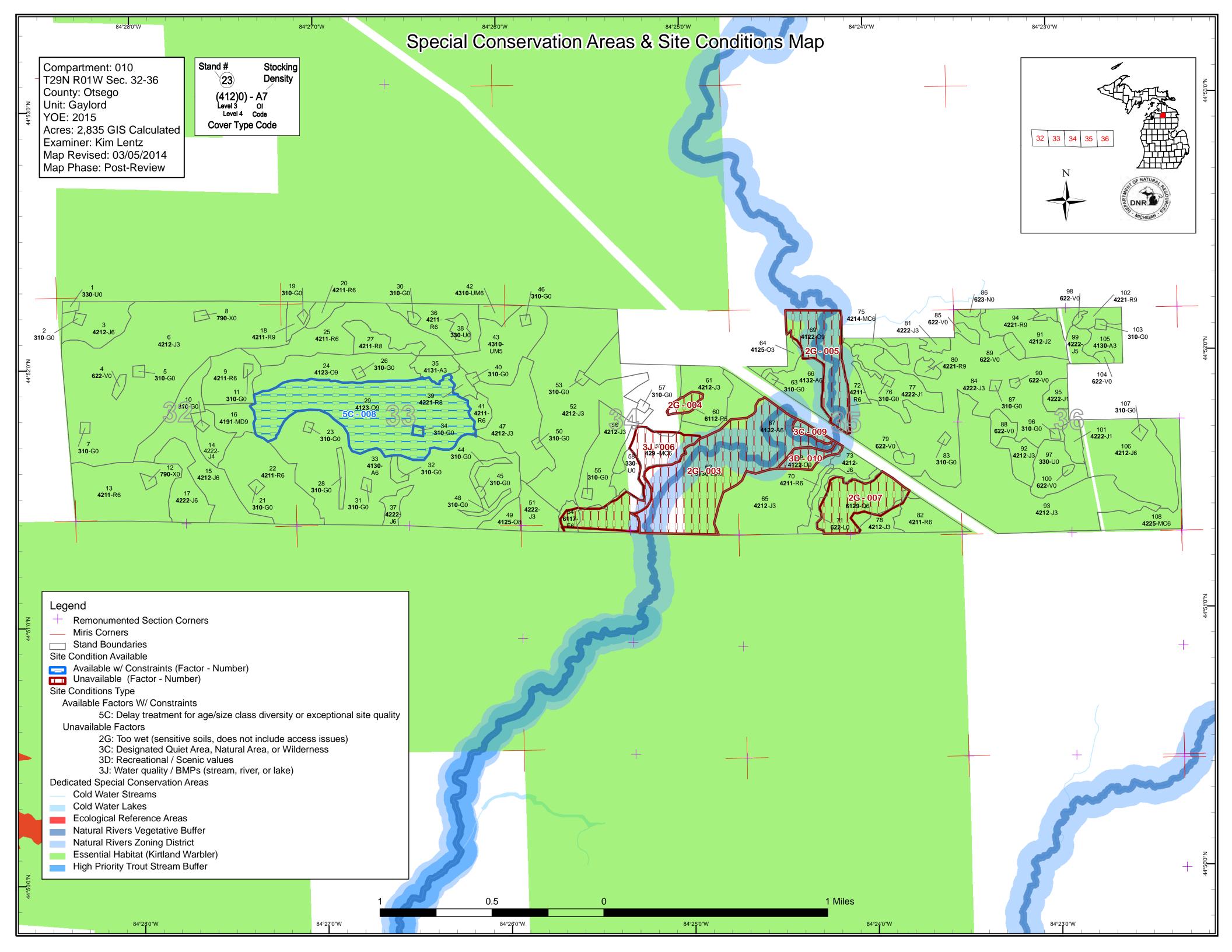
- Level 3 412 Oak Types 413 Aspen Types 419 Mixed Upland Deciduous 421 Planted Pines 422 Natural Pines 429 Mixed Upland Conifers 431 Upland Mixed Forest 611 Lowland Deciduous Forest 612 Lowland Coniferous Forest 613 Lowland Mixed Forest 613 Lowland Mixed Forest

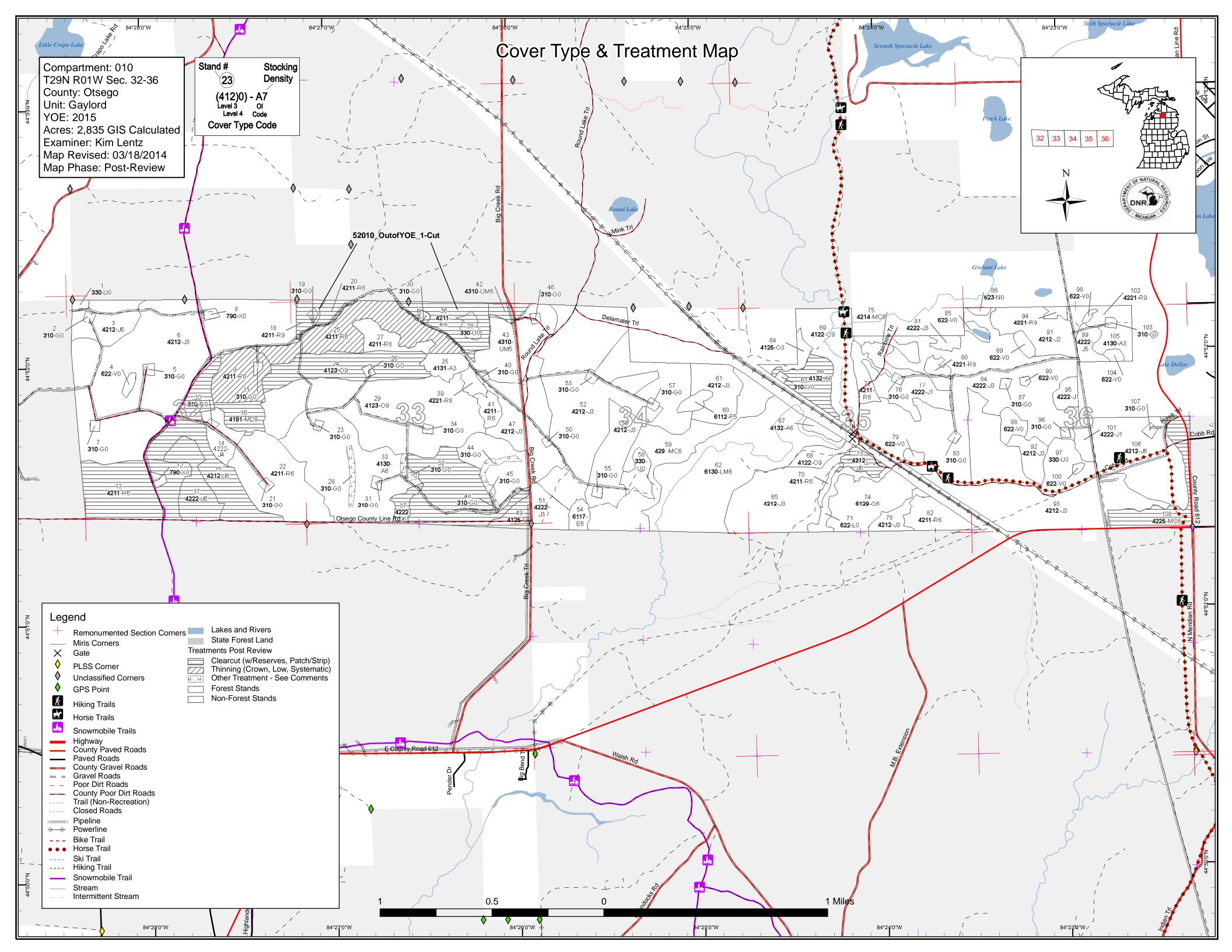
Forest Stands

- Level 3

- 310 Herbaceous Openland
 330 Low-Density Trees
 622 Lowland Shrub
 623 Emergent Wetland
 790 Other Bare/Sparsely Vegetated







Report 1 – Total Acres by Cover Type and Age Class

Gaylord Mgt. Unit Kimberly Lentz : Examiner

Compartment 010 Year of Entry 2015



Age Class

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Aspen	0	0	12	13	209	0	0	5	24	0	0	0	0	0	262	
Bare/Sparsely Vegetated	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Bog	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28	
Herbaceous Openland	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	
Jack Pine	406	422	48	377	15	48	0	74	0	0	0	0	0	0	1392	
Low-Density Trees	45	0	0	0	0	0	0	0	0	0	0	0	0	0	45	
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	
Lowland Conifers	0	0	0	0	0	0	0	0	0	45	0	0	0	0	45	
Lowland Deciduous	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7	
Lowland Mixed Forest	0	0	0	0	0	0	142	0	0	0	0	0	0	0	142	
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	
Oak	7	0	0	0	0	0	0	0	214	63	0	0	0	0	284	
Planted Mixed Pines	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8	
Red Pine	0	0	0	69	0	116	166	6	0	0	0	0	0	14	370	
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	73	73	
Upland Mixed Forest	0	0	0	51	0	0	7	0	0	0	0	0	0	0	58	
Total	554	422	60	509	224	164	330	90	238	107	0	0	0	136	2835	



Michigan .	Gaylord Mgt. Unit Year of Entry 2015							Compartment Total Compartment Acres:	
			Acres by	/ Treatm	ent Ty	ре			
	Commercial Harvest - 541	Tree Planting - 194	Othe	er - 0					
	Habitat Cut - 0	Opening Maintenance -	16						
			Cover ⁻	Гуре by ∣	Harves	st Meth	nod		
	Γ	59	Section of the sectio	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	do do	Chinese Contraction	59 59	, ,	
	Aspen Types	91	0 0	0	0	0	91		
	Mixed Upland Decidu	ious 15	0 0	0	0	0	15		
	Natural Pines	72	0 0	0	0	0	72		

Total

Oak Types

Planted Pines

Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 010 Year of Entry 2015

t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	52010_OutOfY OE_1-Cut	58.7					Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Fld. Tr. Bdy.

Prescription Final harvest in accordance with the KW management plan. Leave scattered concentrations of oak in small islands or peninsulas that mimic naturally occuring fire related landscape diversity. Total residual should not exceed the minimum retention guideline requirements of 3% of the harvested area.

Other Comments:

s

<u>Next</u> Artificially regenerate with jack pine. <u>Steps:</u>

Proposed

Start Date: 10/01/2012

9 5201	0009-Cut	31.7	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	64	141-170	Harvest	Crown Thinning	42111 - Planted Red Pine, Mixed Deciduous	Fld. Tr. Bdy Incomplete
Prescriptior Specs:		noving a						eas with higher densi with equipment opera		
<u>Other</u> Comments		pment o						f aspen. Most of star ed pine rows to mark		
<u>Next</u> <u>Steps:</u>	Monitor over be a second		0	ealth of stan	d with	red pine bei	ng the primary r	management objective	e. Mixed oak reprod	uction will also
Proposed Start Date:	10/01/2014									
13 5201	0013-Cut	71.7	42110 - Planted Red Pine	High Density Pole	59	141-170	Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Fld. Tr. Bdy Incomplete
Prescription Specs:	scattered co residual sho	ncentra uld not	tions of red pine & oa	k in small is retention gu	ands c ideline	or peninsula: requiremen	s that mimic nat ts of 3% of the I	h the adjacent Jack P turally occuring fire re harvested area. This ilization of tops.	lated landscape dive	rsity. Total
<u>Other</u> Comments	: jack pine mo	ortality.		ith no distin	ct rows			st, but some of the jac ect snowmobile trail a		
<u>Next</u> <u>Steps:</u>	Follow Kirtla	nd War	bler guidelines for re-	planting jack	pine ir	n 2017 with	adjacent stands	. Monitor success of	artificial regeneration	n.
Proposed Start Date:	10/01/2014									
15 5201	0015-Cut	64.0	42120 - Planted Jack Pine	High Density Pole	70	81-110	Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Fld. Tr. Bdy Incomplete
Prescription Specs:			/ mgt. and include wit reserves. Chip harve					ark out scattered clun	nps of 2-5 large diam	eter red pine
<u>Other</u> Comments		Protect	snowmobile trail by r					stick height. Adjacer ile adjacent logging o		
<u>Next</u> <u>Steps:</u>	Plant jack pi	ne in 20	017 along with adjace	nt stands fol	owing	the KW guid	delines for refor	estation. Monitor suc	cess of jack pine pla	nting.
Proposed Start Date:	10/01/2014									

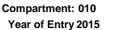
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S t			Gayl	ord Mgt. Unit	Repo			nents Prescr iting Factor	ibed	Compartment: 010 Year of Entry 2015	DNR MICHAEL	
a n d		tment Ime	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
16	52010	016-Cut	15.3	4191 - Mixed Upland Deciduous with Conifer	High Density Lo	90 g	81-110	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy Incomplete	
<u>Prese</u> Spec		Final harve residual.	est with re		lumps of 2-5	white oa	ak & pin oa	ak to leave scatte	ered throughout star	nd. Select healthy oak	to leave for	
<u>Othe</u> Com	<u>r</u> ments:			k pine stand with mir corner. Variable den				lity noted & stan	d will not hold witho	ut volume loss. Inclusi	on of bigtooth	
<u>Next</u> Steps		Monitor su	ccess of	natural regeneration	which shoul	d be a m	nixed stand	l of oak, aspen, a	ind some jack pine.			
Propo Start I		10/01/2014										
17	52010	017-Cut	30.7	42220 - Natural Jack Pine	High Density Pole	54	1-50	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy Incomplete	
Prese Spec		Final harve		and leaving the minc	or componen	t of red p	oine uncut.	Include this sta	and in with the adjac	cent chip harvesting eff	orts for KW	
<u>Othe</u> Com	_	mimic the	natural la		cidous areas	will be c	difficult to r	eplant with jack p	oine. No sale exter	in the KW planting effort nsions. Protect snowm		
<u>Next</u> Steps		Combine t regenerati		anting efforts for 201	7 with adjac	ent stan	ds. Monito	or regeneration s	uccess of planted ja	ack pine and natural as	pen & oak	
Propo Start I		10/01/2014										
24	52010	024-Cut	52.1	4123 - Red Oak	High Density Log	88 g	51-80	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy Incomplete	
Prese Spec		Final harve inclusions oak.	est to salv to include	vage the dying pin oa e in the final harvest.	ak and wind o Leave scat	damage tered oal	that has of k in clumps	ccurred in patche s with 2-5 trees p	es in this stand. The er clump favoring v	ere is some 44 year old vhite oak and any healt	l aspen hy red or mixed	
<u>Othe</u> Com	<u>r</u> ments:	Oak stand	which wa	as selectively thinned	l in 2000, an	d the as	pen was sp	pecies thinned ou	It from the perimete	er of the stand 44 yrs. a	go.	
<u>Next</u> Steps		Monitor su	ccess of	oak and aspen natur	al regenerat	ion.						
Propo Start I		10/01/2014										
25	52010	025-Cut	64.2	42110 - Planted Red Pine	High Density Pole	61	141-170	Harvest	Crown Thinning	42110 - Planted Red Pine	Fld. Tr. Bdy Incomplete	
Prese Spec		110-120 s	q.ft BA/ad	and allow for equip	ment operat	ion. Skie	dways can	be marked out if	needed since the t	hough red pine to leave hird row sequence is n some healthy appearin	ot always	
<u>Othe</u> Com	<u>r</u> ments:			with some intermixe nrough competition.	d jack pine,	pin oak,	and minor	component of qu	uaking aspen. Som	e of jack pine and qual	king aspen is	
<u>Next</u> Steps		Stand will	be re-visi	ted during the next ir	ventory cycl	e.						
<u>Propo</u> Start I		10/01/2014										

S t			Gayl	ord Mgt. Unit	Repo			nents Prescri ting Factor	ibed	Compartment: 010 Year of Entry 2015	DR HATURAL	
a n d		itment ame	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
33		033_sm -Cut	67.7	4130 - Aspen	High Density Pole	45	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy Incomplete	
<u>Preso</u> Spec		reserves guideline	. In additic	on, the retention area tion of 3%-10%. This	s should targ	et areas	with more	e concentrated re	d oak leaving uncu	red pine and oak as pa t islands following the a aspen regeneration. F	acreage	
Other	<u>r</u> ments:			ansition from a saplir maple, and some Re						nd 3-4 pulp sticks per tr	ee. Mix of	
Next Steps			•	aspen and oak natur		•				-2 dbn.		
Propo Start [10/01/201	4									
37	52010	037-Cut	7.6	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	59	1-50	Harvest	Clearcut with Reserves	42221 - Natural Jack Pine, Mixed Deciduous	Fld. Tr. Bdy Incomplete	
Preso Spec				eserves. Harvest this althier oak to create						ed old relic red pine with	nin stand along	
Othe		Small iso	lated stan	d of jack pine that wa stand. Aspen has de	as held last d	ecade, b	out now has	s notable mortali	ty. Lots of woody d	lebris on the ground. S d aspen stand which ca		
		Monitor s	success of	natural regeneration	which should	d produc	e of mix of	jack pine, oak, a	and aspen.			
Steps Propo	<u>s:</u> sed_	Monitor s		natural regeneration	which should	d produc	e of mix of	[:] jack pine, oak, a	and aspen.			
Steps Propo	<u>sed</u> Date:		4	natural regeneration 4125 - Black, N. Pin Oak		86	e of mix of	[:] jack pine, oak, a Harvest	and aspen. Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy.	
Steps Propo Start I 49 Preso	<u>s:</u> <u>sed</u> Date: 52010 cription	10/01/201 049-Cut . Final har	4 10.1 vest with re	4125 - Black, N. Pin Oak	Medium Density Log	86 9	1-50	Harvest	Clearcut with Reserves	4121 - Oak, Aspen g white oak & red oak. ∣	Incomplete	
Steps Propo Start I 49 Preso Spec Othe	<u>s:</u> <u>sed</u> Date: 52010 cription s: r	10/01/201 049-Cut Final har advanced Oak log s	4 10.1 vest with re d oak rege stand that l	4125 - Black, N. Pin Oak eserves. Mark to lea neration in stand.	Medium Density Log ave a few sca	86 attered cl out in 19	1-50 lumps of o 985. This	Harvest ak with 2-5 trees stand is a mix of	Clearcut with Reserves per clump favoring		Incomplete Protect	
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Steps Propo Start I 49 Preso Spec Othe Com Next Steps Propo	s: sed Date: 52010 cription s: r ments: s: sed	10/01/201 049-Cut Final har advanced Oak log s compone	4 10.1 vest with re d oak rege stand that l ent of aspe success of	4125 - Black, N. Pin Oak eserves. Mark to lea neration in stand. had the jack pine spe n. Lots of advanced	Medium Density Log ave a few sca ecies thinned pin oak rege	86 attered cl out in 19 neration	1-50 lumps of o 985. This in underst	Harvest ak with 2-5 trees stand is a mix of cory.	Clearcut with Reserves per clump favoring	white oak & red oak.	Incomplete Protect	
Steps Propo Start I 49 Preso Spec Othe Com Next Steps Propo	s: <u>sed</u> <u>52010</u> <u>cription</u> <u>s:</u> <u>r</u> <u>ments:</u> <u>sed</u> <u>Date:</u>	10/01/201 049-Cut Final har advance Oak log s compone Monitor s	4 10.1 vest with regel stand that l ent of aspe success of 4	4125 - Black, N. Pin Oak eserves. Mark to lea neration in stand. had the jack pine spe n. Lots of advanced	Medium Density Log ave a few sca ecies thinned pin oak rege	86 attered cl out in 19 neration	1-50 lumps of o 985. This in underst	Harvest ak with 2-5 trees stand is a mix of cory.	Clearcut with Reserves per clump favoring	white oak & red oak.	Incomplete Protect minor	
Preso Spec Other Comi Next Steps Propo Start I	s: <u>sed</u> <u>52010</u> cription s: <u>r</u> ments: <u>sed</u> <u>Date</u> : <u>52010</u> cription	10/01/201 049-Cut Final har advanced Oak log s compone Monitor s 10/01/201 066-Cut Final har	4 10.1 vest with regel stand that l ent of aspe success of 4 23.7 vest to pro	4125 - Black, N. Pin Oak eserves. Mark to lea neration in stand. had the jack pine spe n. Lots of advanced natural regeneration 4132 - Aspen, Jack Pine mote aspen & oak re	Medium Density Log ave a few sca ecies thinned pin oak rege which should High Density Pole egeneration.	86 9 out in 19 neration d be a m 80 Leave a	1-50 lumps of o 985. This in underst ix of Oak a 51-80 n uncut 15	Harvest ak with 2-5 trees stand is a mix of ory. and aspen. Harvest 0' buffer along B	Clearcut with Reserves per clump favoring decadent mixed oa Clearcut with Reserves	white oak & red oak. I	Fld. Tr. Bdy Incomplete	
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Steps Propo Start I 49 Press Spec Othe Com Next Steps Propo Start I 66 Press Spec Othe Othe Steps Othe Steps Othe Steps Othe Othe Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Start I Steps Othe Start I Start I Steps Othe Start I Steps Othe Start I Steps Othe Start I Start I Steps Othe Start I Start I Steps Othe Start I Start I Steps Othe Start I Steps Othe Start I Start I Steps Othe Start I Start I Sta	s: sed Date: 52010 cription s: r ments: sed Date: 52010 cription s: r ments: f ments:	10/01/201 049-Cut Final har advanced Oak log s compone Monitor s 10/01/201 066-Cut Final har is mostly Mature s along the	4 10.1 vest with red d oak regel stand that l ent of aspe success of 4 23.7 vest to pro located al tand of nor e powerline success of	4125 - Black, N. Pin Oak eserves. Mark to lea neration in stand. had the jack pine spe n. Lots of advanced natural regeneration 4132 - Aspen, Jack Pine mote aspen & oak re ong the river corridor thern pin oak, aspen road.	Medium Density Log ave a few sca ecies thinned pin oak rege which should High Density Pole egeneration. Also mark and jack pin	86 out in 19 neration d be a m 80 Leave a to leave e. Evide	1-50 lumps of o 985. This in underst ix of Oak a 51-80 n uncut 15 scattered ence of mc	Harvest ak with 2-5 trees stand is a mix of ory. and aspen. Harvest O' buffer along B clumps of 2-5 oa ortality and declin	Clearcut with Reserves per clump favoring decadent mixed oa Clearcut with Reserves ig Creek. Do Not C ik per clump. Favo	white oak & red oak. ak log size trees with a 4131 - Aspen, Oak Cut the White Pine or R r leaving white or health	Incomplete Protect minor Fld. Tr. Bdy Incomplete ed Pine which ny mixed oak. be accessed	

Report 3 -- Treatments Prescribed with No Limiting Factor





a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73	52010073-Cut	9.9	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	77	81-110	Harvest	Clearcut with Reserves	42221 - Natural Jack Pine, Mixed Deciduous	Fld. Tr. Bdy Incomplete

Prescription Final harvest with reserves. Protect Big Creek ORV Restoration Project by leaving lots of woody debris by gaurdrail. Create a retention area that is approximately 1/2 acre of primarily red pine which is located on the west edge of this stand. This will extend a red pine retention stand left to Specs: the southwest of this stand. Place a spec to protect advanced regeneration of oak and white pine during logging as much as possible.

Other Mature stand of jack pine 5-6 pulp stick average. Well established understory of pin oak, white oak, white pine, and some balsam fir. Existing Comments: two-track trail road will be useful for access to avoid the soft sand and wet areas along powerline. Protect the horse trail during logging operations and sign the trail for safety reasons during logging.

<u>Next</u> Monitor natural regeneration and if needed due to inadequate stocking of jack pine, oak, and aspen, then re-plant with jack pine during the 2017 Steps: planting efforts in this compartment.

Proposed

S f

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Start Date:
             10/01/2014
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108	52010108-Cut	33.3	42250 - Pine, Oak	High Density Pole	78	81-110	Harvest	Clearcut with Reserves	42221 - Natural Jack Pine, Mixed Deciduous	Fld. Tr. Bdy Incomplete
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Prescription Clearcut with reserves. Cut all jack pine, aspen, and most of mixed oak. Leave the minor component of red pine, white pine, & white oak uncut. Specs: Leaving these species will help with visual & aesthetics along County Rd. 612 & Meridian Line Rd. Mark a few Oak to leave in clumps of 2-5 oak per clump along County Rd. 612 for visual mgt and mast. Also, leave a retention island on the east side of County Rd. 612 by excluding the timber east of the road from any cutting activity.

- Mature stand of jack pine mixed with red pine, mixed oak, and aspen. This stand was left in the past as a buffer along County Rd. 612 with a Other Comments: limited factor due to scenic visual values. Adjacent jack pine is now well established & 25' in height. Protect the horse trail during logging operations and sign the trail for safety reasons during logging.
- Monitor success of natural regeneration of jack pine, oak, and aspen. In the event the stand does not regenerate adequately, plant with jack pine Next to re-establish a fully stocked stand favoring jack pine and oak as the management objective. Steps:

Proposed Start Date

<u>Start Date:</u> 10/01/2014				
28 NF_52010028- 4.3 3102 - Grass NonFor	Non-Forest Management	Other - Specify	3102 - Grass	Fld. Tr. Bdy Incomplete
<u>Prescription</u> Wildlife is interested in maintaining these openings. <u>Specs:</u>				
Other Long narrow non-forested openings suitable for wildlife management.				
Next Maintain as prescribed by wildlife biologist. Steps:				
Proposed Start Date: Unspecified				
32 NF_52010032- 3.5 3102 - Grass NonFor	Non-Forest Management	Other - Specify	3102 - Grass	Fld. Tr. Bdy Incomplete
<u>Prescription</u> Wildlife is interested in maintaining these openings. <u>Specs:</u>				
Other Established openings beneficial for wildlife.				
<u>Next</u> Maintain as prescribed by wildlife biologist. <u>Steps:</u>				
Proposed				

Start Date: Unspecified

Report 3 -- Treatments Prescribed

S t		Gaylo	rd Mgt. Unit	Repo			nents Prescri ting Factor	bed	Compartment: 010 Year of Entry 2015	DR NATURE CHILDURGE	
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
44	NF_52010044- NonFor	3.9	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Fld. Tr. Bdy Incomplete	
	<u>Prescription</u> Wildlife is interested in maintaining this grassy opening. <u>Specs:</u>										
	Other Long narrow non forested openings which are beneficial for wildlife.										
	Next Opening maintenance according to wildlife bioligist. Steps: Steps:										
Propo Start		ed									
48	NF_52010048- NonFor	3.8	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Fld. Tr. Bdy Incomplete	
<u>Pres</u> Spec		s interested	in maintaining this g	rassy openi	ing.						
<u>Othe</u> Com	<u>r</u> Long nai <u>ments:</u>	row opening	beneficial for wildlif	e.							
<u>Next</u> <u>Step</u>		maintenanc	e according to wildli	fe biologist.							
<u>Propo</u> <u>Start</u>		ed									
	Total Treatmer	ıt									

Acreage Proposed: 556.2

S t		Gaylo	ord Mgt. Unit	Report 4		eatment Site Con	Compartment: 010 Year of Entry 2015	OF NATURAL PRODUCTS		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
		#Type!	#Type!							
Presci Specs Other Comm										
<u>Next</u> Steps:	1									
Propo Start [

Report 5 – Site Conditions

Caylord Mgt. Onit

Kim Lentz : Examiner

Compartment 010 Year of Entry 2015

Availability for Management

Total	Acres	Acres	D	omina	nt Site	e Con	dition	s	
Acres	Available	Not Available		No	5C	3J	3D	3C	2G
262	257	5	Aspen	257				5	
1392	1389	3	Jack Pine	1,389		1			2
6		6	Lowland Aspen/Balsam Poplar						6
45	4	40	Lowland Conifers	4					40
7	3	4	Lowland Deciduous	3		4			
141		141	Lowland Mixed Forest			1			141
15	15		Mixed Upland Deciduous	15					
33	33		Natural Mixed Pines	33					
284	223	61	Oak	71	152		11		50
8	8		Planted Mixed Pines	8					
370	369	0	Red Pine	369					0
73	28	45	Upland Conifers	28		45			
58	58		Upland Mixed Forest	58					
2,693	2,388	305	Total Forested Acres	2,236	152	51	11	5	239
	89%	11%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	141	3J: Water quality / BMPs (stream, river, or lake)			
E	Comments: Big Creek is a natur both sides of the rive	al river with a series of windin er.	ıg tributa	ries and associated lowland	d forest and non-forest typ	es. This area also include	s the riparian zone on
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6				
(Comments:						

	Gaylord Mgt. Unit Kim Lentz : Examiner			Report 5 – Site Condi	itions Compartment 010 Year of Entry 2015
005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	51	3J: Water quality / BMPs (stream, river, or lake)	
C	comments:				
006	Not Available	3J: Water quality / BMPs (stream, river, or lake)	52	2G: Too wet (sensitive soils, does not include access issues)	
C	comments:				
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	42	3J: Water quality / BMPs (stream, river, or lake)	
	Comments: Vetland complex v	vith soils that are too wet for log	ging. T	Fimber is lowly stocked and no	ot desirable for commercial harvest.
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	152		
C	comments:				
009	Not Available	3C: Designated Quiet Area, Natural Area, or Wilderness	5		
	Comments: latural River desig	nation.			

		aylord Mgt. Unit Lentz : Examiner		Report 5 – Site Conditions	Compartment 010 Year of Entry 2015		
010	Not Available	3D: Recreational / Scenic values	11	5C: Delay treatment for age/size class diversity or exceptional site quality			
С	comments:						



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 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservatio Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area			
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physica sites of cultural and historical significance that may occur upon bottomlands. They include thousands of Native American settl and British outposts, nineteenth century logging camps, mine the Great Lakes, there are shipwrecks and other remains door be identified by Natural heritage data from the State Historic P this compartment will be implemented in such a manner as to the sensitive nature of this information, no further detail about	n terrestrial areas and Great Lakes lements and burial sites, as well as French s and homesteads. Beneath the waters of umenting the maritime trade. Such sites may Preservation Office. Proposed treatments in maintain the integrity of these sites. Due to			
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen co stocked trout populations and those of other coldwater fish sp year to year. Coldwater streams in Michigan typically provide t contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	ecies (e.g., slimy sculpin) to persist from these conditions due to substantial			
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and co U.S. Fish and Wildlife service for the recovery of threatened a 365, Endangered Species Protection, of the Natural Resource PA 451, and the Federal Endangered Species Act of 1973. Th species plans in various stages of review. As of now only two Plover Habitat.	nd endangered species, as governed by Part es and Environmental Protection Act, 1994 his is an active program, with proposed			
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from approved distance from the river centerlines. The Natural Rive most Natural Rivers. The Vegetative Buffer ranges from 25 to and Vegetative Buffers for each Natural River see the table loo folder.	ers Zoning District is a 400 foot buffer for 100 feet. To view specific Zoning Districts			

S t	Gaylord	d Mgt. Unit		Report 8 –	Forested	Stands Compartment: 010 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	42120 - Planted Jack Pine	High Density Pole	29.9	38	51-80	Jack pine 1-3 pulp stick av. with an average of 2 merchantable sticks per tree. Healthy.
6	42120 - Planted Jack Pine	High Density Sapling	249.8	18		KW Mgt. planted with jack pine in 1996. Jack pine average 10'- 16' height with some 12' ht. average. Red pine & Pin Oak log size trees left scattered in overstory. Some of jack pine has some brown needles on outside branches.
9	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	31.7	64	141-170	Red pine planted with a mix of pin oak, red oak, white oak, jack pine, & minor amount of aspen. Stand resembles more of a natural red pine stand similiar to Pigeon River pine/oak stands. Some mortality in oak & jack pine. Some distinct rows of red pine with an average BA of 180 sq.ft/acre. These concentrated rows of red pine will requre some marking to reduce BA to 120 sq.ft./ac. residual.
13	42110 - Planted Red Pine	High Density Pole	71.7	59	141-170	Red pine plantation with intermixed jack pine with no distinct rows. Red pine is healthy, and some of jack pine was shaded causing some jack pine mortality. A species thinning to remove all jack pine is not desirable because it would open up stand too much. Stand examiner commented: Do not liquidate this stand yet. Adjacent red pine stands thinned have 6 stick red pine which is a nearby example of red pine site potential. Site Index for red pine = 60
14	42220 - Natural Jack Pine	Low Density Pole	15.5	45	1-50	Natural jack pine low to moderately stocked which has developed in a sem-open pine barren condition. Some planted red pine on southeast end of stand.
15	42120 - Planted Jack Pine	High Density Pole	64.0	70	81-110	Mature jack pine stand with some mortality in both jack pine & pin oak. Average 5 pulp stick height. Adjacent stand is 12' height.
16	4191 - Mixed Upland Deciduous with Conifer	High Density Log	15.3	Uneven Age	81-110	Mature oak and jack pine stand with minor component of aspen. Mortality noted & stand will not hold without volume loss. Inclusion of bigtooth aspen in northeast corner. Variable density due to mortality in stand.
17	42220 - Natural Jack Pine	High Density Pole	30.7	54	1-50	Moderately stocked stand with a mix of size classes from 3"-4" dbh in understory of jack pine, pin oak, to scattered overstory of red pine sawtimber 12" ave. dbh. Stand offers a nice mix of species, ages, and heights for diversity.
18	42110 - Planted Red Pine	High Density Log	8.1	64	111-140	Red pine which has developed into small sawlogs 12" dbh. Other intermixed species were cut out of this stand when jack pine to the west was harvested for KW mgt. This red pine stand is scheduled to be prepared for final harvest in 2013 & re-planted in 2017 with KW mgt. plan.
20	42110 - Planted Red Pine	High Density Pole	6.8	61	141-170	Red pine plantation scheduled to be clearcut for KW mgt. in 2013.

S t	Gayloro	Gaylord Mgt. Unit				Stands Compartment: 010 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42110 - Planted Red Pine	High Density Pole	68.6	30	81-110	Red pine plantation which has developed into 1 stick poles. Some old relic red pine left in plantation 18-20"dbh Some pockets of natural jack pine average 6"dbh throughout with 50- 80 sq.ft/ac. In southeast corner of stand, a small retention island of R8, O2, A4, O7, and scattered red maple left which is an different inclusion from rest of stand.
24	4123 - Red Oak	High Density Log	52.1	88	51-80	Oak stand which was selectively thinned in 2000, and the aspen was species thinned out from the perimeter of the stand 44 yrs. ago. Lots of deer activity & browsing for acorns.
25	42110 - Planted Red Pine	High Density Pole	65.0	61	141-170	Red pine plantation with some intermixed jack pine, pin oak, and minor component of quaking aspen. Some of jack pine and quaking aspen is dying out of stand through competition.
27	42110 - Planted Red Pine	Medium Density Log	16.1	61	1-50	Scattered Red Pine left after species thinning was completed in 2000 which removed the jack pine, aspen, and some mixed oak.
29	4123 - Red Oak	High Density Log	151.9	88	51-80	Healthy Red Oak stand with some white oak and northern pin oak component. Thinned in 2000 & stand is responding to the it. Overall stand looks good and appears to be at an optimum density.
33	4130 - Aspen	High Density Pole	208.7	45	51-80	Aspen stand is in transition from a sapling stand to a small pole stand. Primarily b.tooth aspen 4"-8"dbh and 3-4 pulp sticks per tree. Mix of quaking aspen, red maple, and some Red Oak throughout. Some scattered sawlog red pine relics left 14- 22"dbh.
35	4131 - Aspen, Oak	High Density Sapling	11.8	20		Young aspen stand with intermixed pin oak and jack pine.
36	42110 - Planted Red Pine	High Density Pole	30.0	61	141-170	Planted red pine with some jack pine, quaking aspen & pin oak intermixed. KW management with this stand being final harvested in 2013 with Compartment 7 to north. Re-planting scheduled for 2017.
37	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	7.6	59	1-50	Small isolated stand of jack pine that was held last decade, but now has notable mortality. Lots of woody debris on the ground. Some scattered old relic red pine in stand. Aspen has developed into the mix along the edges from the adjacent 44 year old aspen stand.
39	42210 - Natural Red Pine	Medium Density Log	6.1	70	1-50	Moderately stocked red pine 12" ave. dbh left after a shelterwood type cut done in 2006, The harvest removed most of jack pine pulp and pin oak from stand resulting in lots of stump sprout oak and natural jack pine regen. Featured stand is overstory red pine at this time.
41	42110 - Planted Red Pine	High Density Pole	8.2	58	111-140	Healthy red pine pole stand at an optimum density. Minor component of pin oak is dying out of stand which has been beneficial for a natural release.

S t	Gaylord Mgt. Unit			Report 8 –	Forestec	I Stands Compartment: 010 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	4310 - Pine, Oak Mix	High Density Pole	7.4	66	51-80	This is a mixed stand with jack pine, aspen, and pin oak. This may be more of a challenge to plant for KW with the decidous component. (Northwest corner of Sec. 34)
43	4310 - Pine, Oak Mix	Medium Density Pole	50.7	37	1-50	Jack pine & pin oak developing in a semi-open growing density. Most of pin oak grown from stump sprouts. 1-2 stick jack pine with 1 stick oak.
47	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	59.6	6		Kirtland Warbler Mgt. with jack pine hand planted in a wave pattern in spring of 2008. Planted jack pine is well established and over 3' in height. Pin oak stump sprouts are 5-8' in height. Scattered old growth red pine left scattered throughout.
49	4125 - Black, N. Pin Oak	Medium Density Log	10.1	86	1-50	Oak log stand that had the jack pine species thinned out in 1985. This stand is a mix of decadent mixed oak log size trees with a minor component of aspen. Lots of advanced pin oak regeneration in understory.
51	42220 - Natural Jack Pine	High Density Sapling	17.7	29		Young sapling size jack pine without merchantable height yet. Considerable amount of pin oak sprouts in stand.
52	42120 - Planted Jack Pine	High Density Sapling	158.4	16		This stand was harvested, burnt, trenched, then planted in 1998. Well established KW jack pine plantation. Jack pine is 8- 10' in height & healthy, Pin oak stump sprouts 10'-12' in height, red pine 8'-10' in height. No overstory noted in this stand. Note: A small inclusion of a horse shoe size stand of jack pine 22' in height with some scattered pole size pin oak along north & north section line.
54	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	7.1	64	1-50	Wet stand of quaking aspen with beaver flooding in past. Scattered large relic red pine left along the south county line.
56	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	87.2	6		Kirtland Warbler jack pine plantation created in a wave pattern in 2008. Some large red pine left scattered. Jack pine are well established and over 3' in height with pin oak stump sprouts 5-8' in height.
59	429 - Mixed Upland Conifers	High Density Pole	73.4	Uneven Age	51-80	Moderately stocked jack pine with intermixed quaking aspen & northern pin oak. Note: There was a 7 acre jack pine strip left as a retention stand on a high ridge west of the Big Creek coridor. Minor component of old relic red pine sawlogs left along the south end of stand. There is also an inclusion of moderately stocked swamp conifer with white cedar, black spruce, & balsam fir.
60	6112 - Lowland Aspen	Medium Density Pole	5.7	72	1-50	Lowland marshy area with some quaking aspen and lowland conifer.
61	42120 - Planted Jack Pine	High Density Sapling	30.7	23		Kirtland Warbler planting completed in 1991. Jack pine is still non-merchantable 20' - 22' in height. Planted at a rate of 1189 trees/acre.
62	6130 - Fir, Aspen, Maple	High Density Pole	141.5	61	1-50	Stand borders Big Creek which is a designated natural river and part of the Ausable River system.

S t	Gaylord Mgt. Unit			Report 8	– Forested	Stands Compartment: 010 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	4125 - Black, N. Pin Oak	High Density Sapling	7.2	8		Stand was cut in 2006 and it is adequately stocked with pin oak stump sprouts and some jack pine.
65	42120 - Planted Jack Pine	High Density Sapling	72.5	4		Stand was final harvested during red pine project and re-planted with 2-0 jack pine stock in spring of 2010.
66	4132 - Aspen, Jack Pine	High Density Pole	23.7	80	51-80	Mature stand of northern pin oak, aspen and jack pine. Evidence of mortality and decline in oak, aspen and jack pine. Stand can be accessed along the powerline road.
67	4132 - Aspen, Jack Pine	High Density Pole	4.6	73	51-80	Mature stand of mixed aspen, jack pine, and northern pin oak. There is a private strip along the consumers powerline. The Big Creek is a designated natural river which requires a 150' buffer with no cutting.
68	4122 - Oak, Pine	High Density Log	10.6	93	51-80	Oak ridge adjacent to the West Branch of Big Creek. Steep hillside adjacent to the Creek which is part of the natural river system. Also, some large red pine on hillside.
69	4122 - Oak, Pine	High Density Log	52.0	93	51-80	Mixed stand with pin oak, jack pine, red pine, and aspen. This stand is within the Natural Rivers Designation which is the west branch of Biig Creek and part of the Ausable River system.
70	42110 - Planted Red Pine	High Density Pole	3.1	56	81-110	Narrow strip of red pine left as a retention stand when adjacent red pine was final harvested for red pine project in 2009.
72	42110 - Planted Red Pine	High Density Pole	12.4	56	81-110	Red pine stand at adequate density. Horse trail runs through it.
73	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	9.9	77	81-110	Mature stand of jack pine 5-6 pulp stick average. Well established understory of pin oak, white oak, white pine, and some balsam fir. Existing two-track trail road will be useful for access to avoid the soft sand and wet areas along powerline.
74	6129 - Mixed Coniferous Lowland Forest	High Density Pole	44.8	99	81-110	Lowland conifer primarily white cedar. Black spruce, tamarak, & balsam fir, and white pine component also. White birch is dying out of stand.
75	42140 - Planted Mixed Pine	High Density Pole	8.1	65	81-110	Small stand of mixed red pine & jack pine. 90 BA on average.
77	42220 - Natural Jack Pine	Low Density Sapling	36.9	33		Semi-open natural jack pine with pin oak, and some small red pine.
78	42120 - Planted Jack Pine	High Density Sapling	10.9	3		Jack pine plantation established in May, 2011.
80	42210 - Natural Red Pine	High Density Log	4.7	65	81-110	Small natural stand of red pine developing into 12" dbh with some intermixed jack pine & pin oak.
81	42220 - Natural Jack Pine	High Density Sapling	4.7	33		Young stand of jack pine developing after the Big Creek Fire in 1981.

S t	Gayloro	Gaylord Mgt. Unit			Forested	Stands Compartment: 010 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	42110 - Planted Red Pine	High Density Pole	20.6	52	111-140	Red pine plantation with a mix of jack pine and pin oak. Red pine & jack pine appear healthy and growing at a desired density. Some of pin oak was low quality & fallen on ground which has created a natural thinning.
84	42220 - Natural Jack Pine	High Density Sapling	210.7	33		Most of this stand was established by the Big Creek Fire in 1981 with variable density of jack pine established. This stand was also included in the Kirtlands Warbler Mgt. efforts in 1992.
91	42121 - Planted Jack Pine, Mixed Deciduous	Medium Density	35.4	3	1-50	Stand was harvested in 2009 leaving scattered white oak and red pine. Since this was a mixed oak, pine, and aspen stand, it has regenerated with both stump sprout oak and aspen in areas predominant with those species. In more open parts of the stand, jack pine were planted in May of 2011. The newly developing stand is featured since there is adequate height to the natural regeneration.
92	42120 - Planted Jack Pine	High Density Sapling	14.1	18		Jack pine planted in 1996.
93	42120 - Planted Jack Pine	High Density Sapling	140.7	3		Stand was planted in spring of 2011 as part of the Kirtland Warbler Plan. Looks good. Scattered red pine log size trees left throughout. Pin oak has also stump sprouted after final harvest.
94	42210 - Natural Red Pine	High Density Log	3.2	65	81-110	Red pine stand previously thinned out in 2009. Red pine is average of 12"dbh with a minor component of white oak left in stand. Understory is pin oak stump sprouts and some planted jack pine seedlings where stand canopy was open enough for planting efforts. The Big Creek Fire did touch into this stand.
95	42220 - Natural Jack Pine	Low Density Sapling	8.5	33		Young jack pine established after the Big Creek Fire in 1981.
99	42220 - Natural Jack Pine	Medium Density Pole	10.0	55	1-50	Natural jack pine which is healthy and could hold with the extensive management in this area.
101	42220 - Natural Jack Pine	Low Density Sapling	8.7	33		This stand has developed after the Big Creek Fire in 1981.
102	42210 - Natural Red Pine	High Density Log	14.1	Uneven Age	1-50	Shelterwood cut done in 2009 leaving scattered White, Pin Oak, and Red Pine. Lots of well established oak stump sprout regeneration and aspen regen.
105	4130 - Aspen	High Density Sapling	12.8	33	1-50	Featured stand is A3, Not enough merchantable stems to call it poletimber yet. Fair quality quaking aspen. Note: Small inclusions of J5 left not large enough to meet minimum 4.5 acre mapping standards. Part of the 1981 Big Creek Fire also.
106	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	77.7	33	51-80	Primarily jack pine with a mix of some mixed aspen, pin oak & scattered red pine. This stand was part of the Big Creek Fire in 1981 also. Small inclusion of R7, W7, & O7 that did not meet mapping size. Also, a small inclusion of planted red pine poles along the north central boundary of stand adjacent to the private property access drive.

S t a n d	Gaylord Mgt. Unit			Report 8 –	Forested	Stands Compartment: 010 Year of Entry: 2015	DRR DE NATURAL REBOUIR	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	A. MICHIGAN	
108	42250 - Pine, Oak	High Density Pole	33.3	Uneven Age	81-110	Mature stand of jack pine mixed with red pine, mix aspen. This stand was left in the past as a buffer a Rd. 612 with a limited factor due to scenic visua Adjacent jack pine is now well established & 25' Note: Private cabin utilizes state land for driveway County Rd. 612.	nd was left in the past as a buffer along County a limited factor due to scenic visual values. c pine is now well established & 25' in height. abin utilizes state land for driveway access from	

Compartment: 010 Year of Entry: 2015

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Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	3303 - Mixed Low Density Trees	2.1	No	Unspecified	Semi-open area suitable for logging landing.
2	3105 - Mixed Upland Herbaceous	1.4	No	Unspecified	
4	6225 - Bog	2.5	No	Unspecified	
5	3105 - Mixed Upland Herbaceous	1.7	No	Unspecified	
7	3105 - Mixed Upland Herbaceous	1.4	No	Unspecified	
8	790 - Other Bare/Sparsely Vegetate	1.6	No	Unspecified	
10	3105 - Mixed Upland Herbaceous	1.1	No	Unspecified	
11	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
12	790 - Other Bare/Sparsely Vegetate	2.0	No	Unspecified	
19	3105 - Mixed Upland Herbaceous	1.0	No	Unspecified	
21	3105 - Mixed Upland Herbaceous	1.7	No	Unspecified	
23	3105 - Mixed Upland Herbaceous	1.1	No	Unspecified	
26	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
28	3102 - Grass	4.3	No	Unspecified	Opening maintenance.
30	3105 - Mixed Upland Herbaceous	1.6	No	Unspecified	
31	3105 - Mixed Upland Herbaceous	1.5	No	Unspecified	
32	3102 - Grass	3.5	No	Unspecified	Opening Maintenance.
34	3105 - Mixed Upland Herbaceous	1.2	Unspecified	Unspecified	

Compartment: 010

Year of Entry: 2015

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Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
38	3303 - Mixed Low Density Trees	5.1	Yes	Jack Pine	KW planting of jack pine is scheduled for 2017.
40	3105 - Mixed Upland Herbaceous	1.5	No	Unspecified	
44	3102 - Grass	3.9	No	Unspecified	Opening maintenance.
45	3102 - Grass	1.0	No	Unspecified	
46	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
48	3102 - Grass	3.8	No	Unspecified	Opening maintenance.
50	3105 - Mixed Upland Herbaceous	1.0	Unspecified	Unspecified	
53	3105 - Mixed Upland Herbaceous	1.5	No	Unspecified	
55	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
57	3105 - Mixed Upland Herbaceous	1.4	No	Unspecified	
58	3303 - Mixed Low Density Trees	11.9	No	Unspecified	
63	3105 - Mixed Upland Herbaceous	1.1	No	Unspecified	
71	6220 - Alder/willow	11.2	No	Unspecified	
76	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
79	6225 - Bog	2.8	No	Unspecified	
83	3105 - Mixed Upland Herbaceous	1.2	No	Unspecified	
85	6225 - Bog	4.0	No	Unspecified	
86	6230 - Cattail	1.8	No	Unspecified	

Report 9 – Nonforested Stands

Compartment: 010

Year of Entry: 2015

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Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
87	3105 - Mixed Upland Herbaceous	1.4	No	Unspecified	
88	6225 - Bog	8.4	No	Unspecified	
89	6225 - Bog	4.4	No	Unspecified	
90	6225 - Bog	1.1	No	Unspecified	
96	3105 - Mixed Upland Herbaceous	1.2	No	Unspecified	
97	3302 - Low Density Conifer Trees	25.9	No	Unspecified	
98	6225 - Bog	1.2	No	Unspecified	
100	6225 - Bog	1.2	No	Unspecified	
103	3105 - Mixed Upland Herbaceous	1.5	No	Unspecified	
104	6225 - Bog	2.5	No	Unspecified	
107	3105 - Mixed Upland Herbaceous	1.8	No	Unspecified	