

Compartment Review Presentation

Gaylord Forest Management Unit Compartment 174 Entry Year 2015 Acreage: 948 County Cheboygan Management Area: Cheboygan Lake Plain

Revision Date: 04/18/2013

Stand Examiner: John Scheele

Legal Description:

T34N - R2W Sections 2, 3, 10, 11

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:

A Grayling-Rubicon Association of excessively drained, sandy soils is in the north, a Rubicon-Blue Lake Association of well drained, sandy soils is in west, southwest and a Fairport-Onaway Association of well drained, loamy soils is in the southeast parts of the compartment. The topography is nearly level in the north and gently rolling to hilly in the south parts of the compartment.

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

Compartment consist of two separate areas of mostly continuous state ownership. Southern area is landlock by private ownership while the northern area has private ownership surrounding and within the state owned block. There is a mix of residential, recreational, and agricultural landuse within and surrounding the compartment.

Unique Natural Features:

Potential for woodland vole, red-shouldered hawk, northern goshawk, wood turtle, and eastern massasauga. Potential for ram's head lady's-slipper, limestone oak fern, round-leaved orchis, and calypso orchid in cedar swamps. Potential for dry prairie plants in grassy openings. Hill's thistle, rough fescue, Prunus alleghaniensis and pale agoseris.

Archeological, Historical, and Cultural Features:

There are no known features within the compartment at this time.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment is in the Little Sturgeon River watershed, and contains a portion of Crumley Creek and some of its tributaries. The Little Sturgeon River and Crumley Creek are high priority trout streams vulnerable to beaver damming. A minimum of 300' no clear-cut buffer will be maintained adjacent to Crumley Creek. When managing for coniferous species, a 100' no clear-cut buffer will be applied.

Wildlife Habitat Considerations:

This compartment consists of a mixture of upland and lowland types. The lowland area associated with Crumley Creek supports a variety of species including black bear, white-tailed deer, furbearers, and various amphibians. The upland areas consists of a mixture of aspen, oak, jack and red pine. Some oak will be treated to regenerate for future hard mast while clumps of mature oak will be left for currrent mast production and for a seed source. Aspen will be treated in this area to provide age-class diversity and early successional habitat. Both of these treatments will benefit a variety of wildlife species including white-tailed deer, wild turkey, ruffed grouse, American woodcock, and various songbirds.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact outwash sand and gravel, lacustrine (lake) sand and gavel and coarse-textured glacial till. The glacial drift thickness varies between 0 and 50 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Traverse and Antrim are used for stone and cement products. Gravel pits are located to the east and the uplands appear to have good potential. The nearest oil and gas production, the Antrim Shale gas play, is located 12 miles to the south. The Antrim Shale is present but may be to thin to be productive. The Compartment is leased for oil and gas development for the Collingwood Formation

Vehicle Access:

There is good vehicle access in the north portion of the compartment off of M-68. The south portion of the compartment contains good access roads but access to the compartment is limited by surrounding private ownership.

Survey Needs:

None

Recreational Facilities and Opportunities:

No recreational facilities within compartment. Public hunting opportunities are abundant in the north portion of the compartment because of good access. Recreational opportunities are very limited in the south due to limited public access.

Fire Protection:

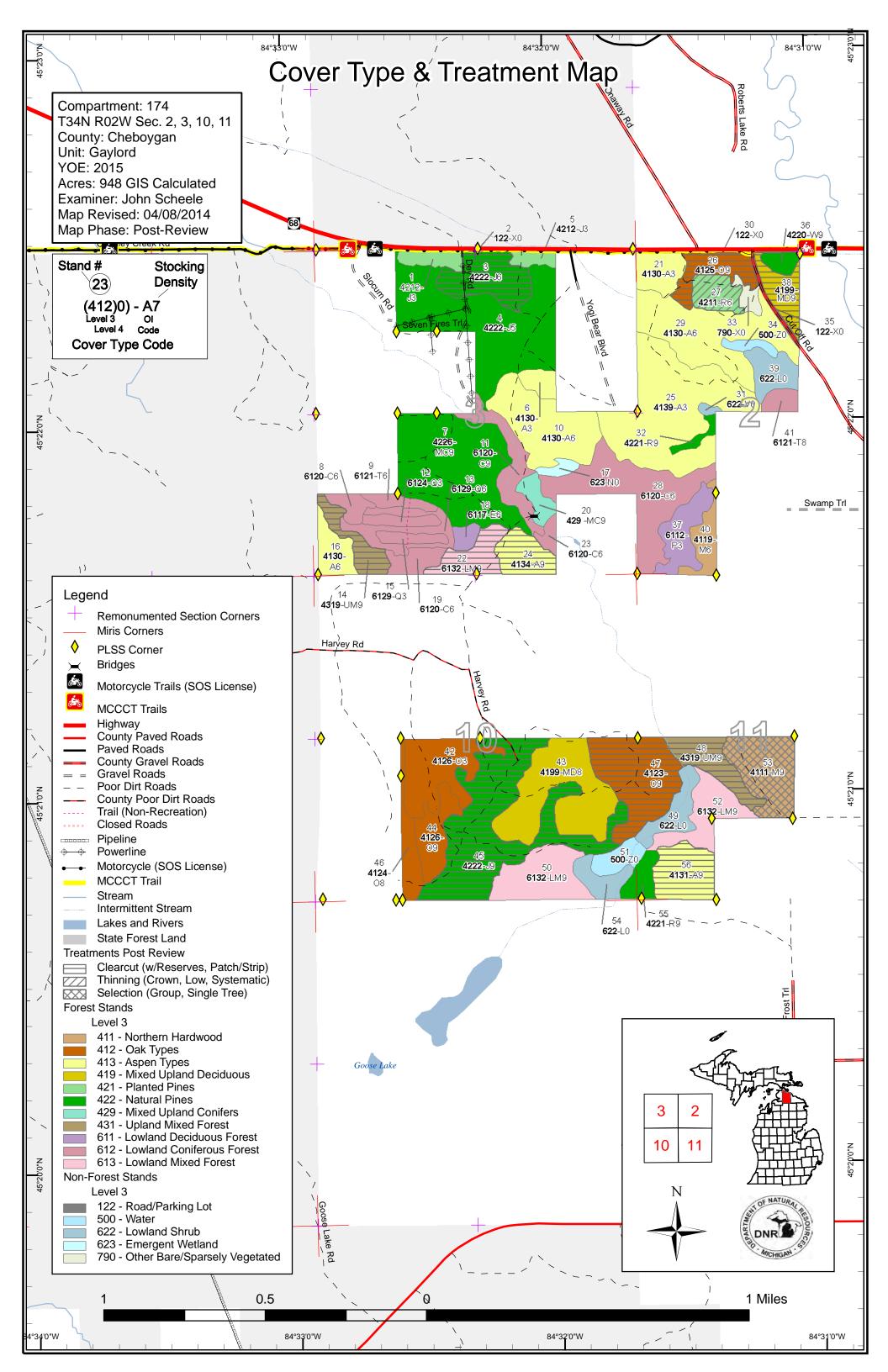
There is a moderate to significant concern of wildfire potentail along M-68 and adjacent to a private campground facility. Area has mature Jack Pine with excessive drained soils and is adjacent to a larger area of Jack pine covertype to the north.

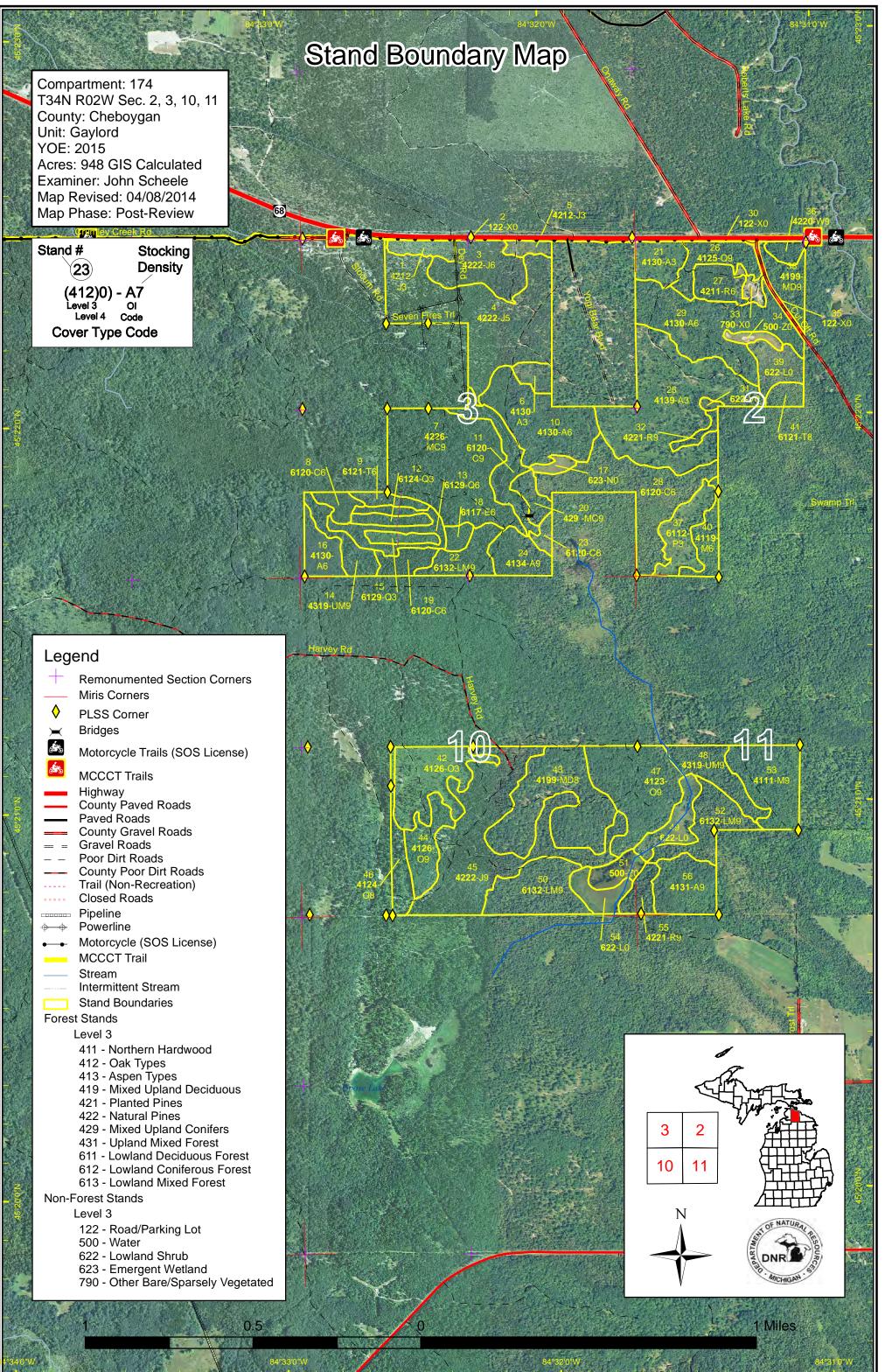
Additional Compartment Information:

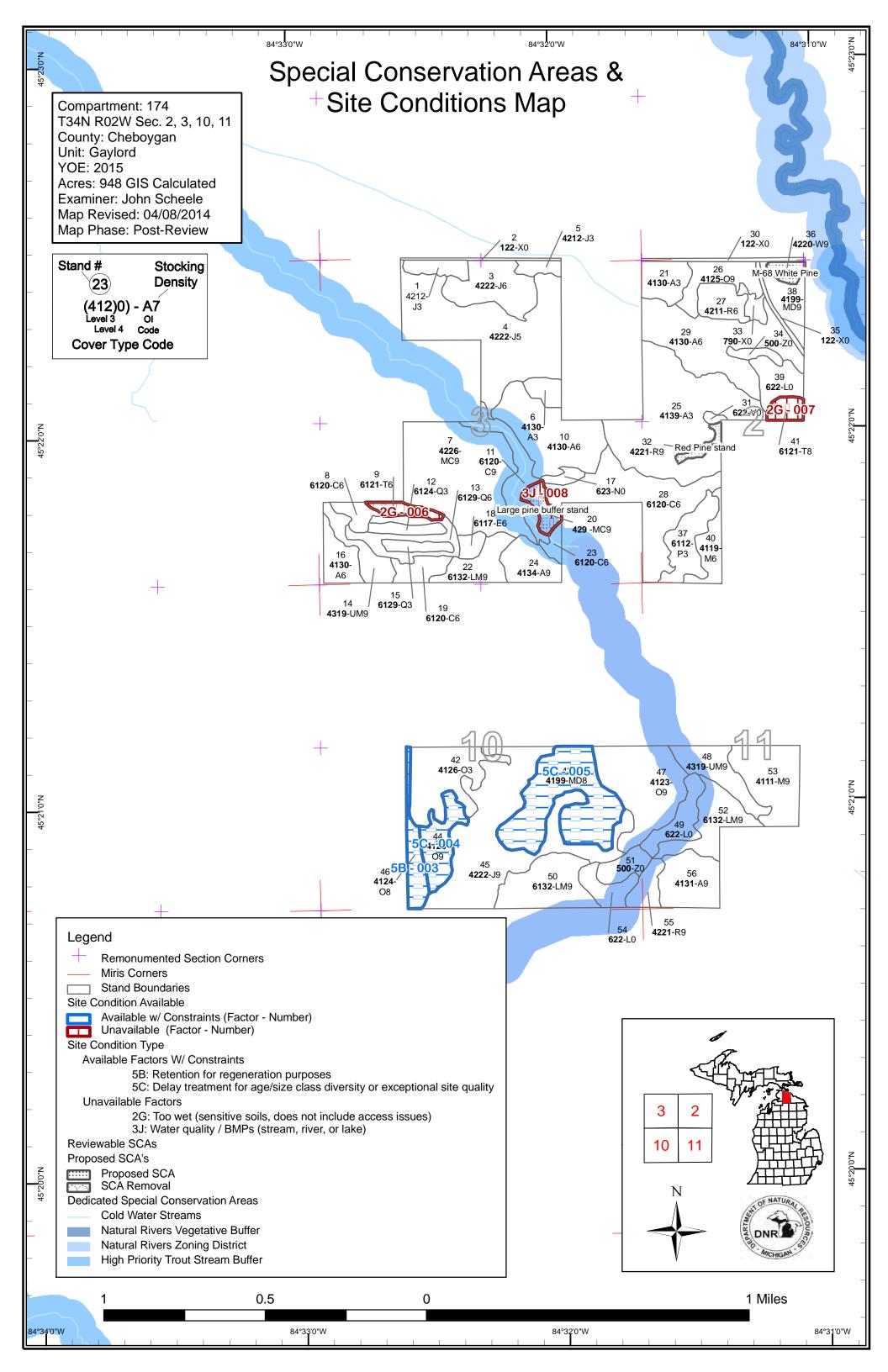
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas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

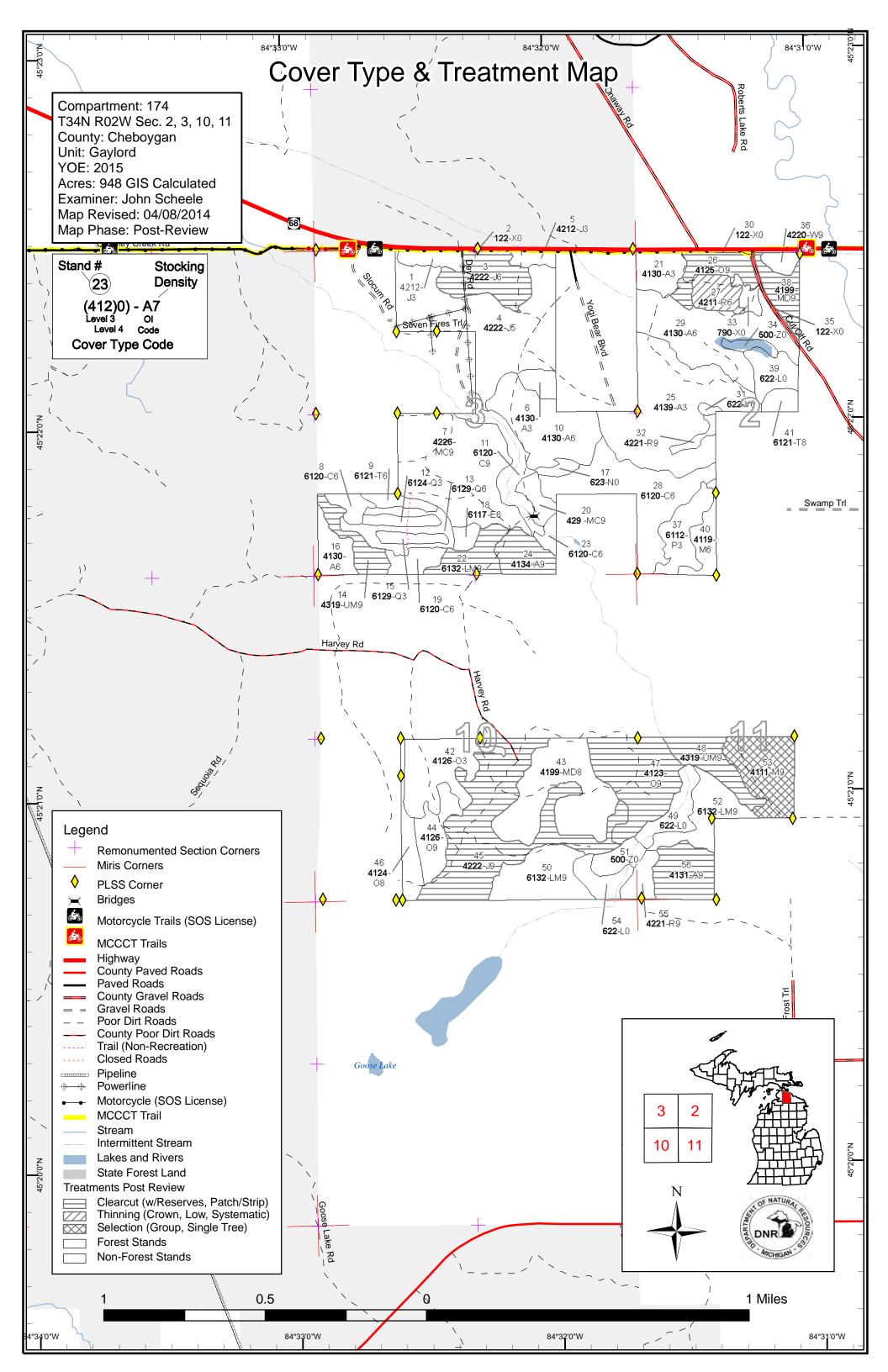
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system

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Report 1 – Total Acres by Cover Type and Age Class

Gaylord Mgt. Unit John Scheele : Examiner

Compartment 174 Year of Entry 2015



Age Class

		a.9	a jo		50°	HOH A	in the second se	89 89	101	80 00 00	000	¹⁰⁰ 100	170,179	50× 55	A ASS	, orio
Aspen	88	0	36	57	0	0	0	0	19	13	0	0	0	0	213	
Bare/Sparsely Vegetated	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Cedar	0	0	0	0	0	0	0	0	0	49	0	16	10	0	75	
Jack Pine	10	0	0	70	0	0	0	72	0	22	0	0	0	0	174	
Lowland Aspen/Balsam Poplar	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
Lowland Conifers	0	0	9	0	0	14	0	0	0	0	0	0	0	0	23	
Lowland Deciduous	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	32	25	0	0	0	0	57	
Lowland Shrub	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	47	11	0	0	0	58	
Natural Mixed Pines	0	0	0	0	0	0	0	0	66	0	0	0	0	0	66	
Northern Hardwood	0	0	0	0	0	0	0	10	26	0	0	0	0	0	36	
Oak	28	0	0	0	0	0	0	0	0	63	13	0	0	0	105	
Red Pine	0	0	0	0	0	10	0	7	0	3	0	0	0	0	20	
Tamarack	0	0	0	0	0	0	0	0	0	5	5	0	0	0	9	
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	
Upland Mixed Forest	0	0	0	0	0	0	0	0	16	10	0	0	0	0	26	
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1
White Pine	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	
Total	199	0	46	126	0	27	0	89	159	237	29	26	10	0	948	



UNRO E G	Gaylord Mgt. Unit Year of Entry 2015						Compartment Total Compartment Acres:	
			Acre	es by Treatm	ent Type			
	Commercial Harvest - 264	Tree Planting - 0		Other - 0				
	Habitat Cut - 0	Opening Maintenar	nce - 0					
			Co	ver Type by	Harvest Met	hod		
			Contraction of the second seco	See Charles	Non og times	e, Section of the sec		
	Aspen Types		32 0	0 0	0 0	32		
	Lowland Mixed Fores	t	13 0	0 0	0 0	13		
	Mixed Upland Decidu	ous	11 0	0 0	0 0	11		
	Natural Pines		94 0	0 0	0 0	94		
	Northern Hardwood		0 26	0 0	0 0	26		
	Oak Types		51 0	0 0	0 0	51		
	Planted Pines		0 0	0 0	10 0	10		
	Upland Mixed Forest		26 0	0 0	0 0	26		
		Total	228 26	0 0	10 0	264		

S t			Gaylo	ord Mgt. Unit	Repo			ents Prescri ting Factor	bed	Compartment: 174 Year of Entry 2015	DNR MICHING N	
a n d		tment ame	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
3		74003- CWR	22.2	42220 - Natural Jack Pine	High Density Pole	91		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Fld. Tr. Bdy Incomplete	
<u>Prescrip</u> <u>Specs:</u>	otion			enerate. Do not cut be trenched and pla		must be	chipped to	o promote natural	l regeneration. No	o stand retention recomr	nended in	
<u>Other</u> Comme	ents:	Cut in su	mmer to dis	sturb soil to help pro	mote natural	regener	ation.					
<u>Next</u> <u>Steps:</u> Propose Start Da		Regenera is not ach	nieved after	 Acceptable regen 2 years from harves 	eration inclue st.	des a mo	oderate to	well stocked stan	d of Jack Pine. T	rench and plant if natura	al stocking level	
14	5217	74014- CWR	10.4	4319 - Mixed Upland Forest	High Density Log	91		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy Incomplete	
<u>Prescrip</u> <u>Specs:</u>			stand to reg	enerate. Leave pine	, ,		ion due to	small stand size.				
<u>Other</u> Comme	ents:	Access s	tand from th	he west through asp	en stand.							
<u>Next</u> Steps:		Regenera	ation survey	 Acceptable regen 	eration inclue	des a mo	oderate to	well stocked mix	of deciduous spec	cies.		
Propose Start Da		10/01/201	4									
22		74022- CWR	12.9 L	6132 - Mixed owland Forest with Cedar	High Density Log	81 J		Harvest	Clearcut with Reserves	6132 - Mixed Lowland Forest with Cedar	Fld. Tr. Bdy Incomplete	
<u>Prescrip</u> <u>Specs:</u>	otion				je Red and W	/hite Pir	ne. Mark 2	seperate areas o	containing cedar a	bout one-quarter to one	half acre in	
<u>Other</u> Comme	ents:	Harvest i	n dry summ	ner or winter to minir	nize rutting d	amage.						
<u>Next</u> Steps:		Regenera	ation survey	 Acceptable regen 	eration inclue	des a mo	oderate to	well stocked mix	of aspen and deci	duous species.		
Propose Start Da		10/01/201	4									
24		74024- CWR	12.7	4134 - Aspen, Spruce/Fir	High Density Log	91 J		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Fld. Tr. Bdy Incomplete	
<u>Prescrip</u> Specs:	otion			enerate. Leave pine use of small stand s						ure diversity. No stand	retention	
<u>Other</u> Comme	ents:	Access s	tand from th	he south through pri	vate property	or from	the north	using portable bri	dge to cross Crun	nley Creek.		
<u>Next</u> Steps:		Regenera	ation survey	 Acceptable regen 	eration inclue	des a mo	oderate to	well stocked mix	of aspen and deci	duous species.		
Propose Start Da		10/01/201	4									
26		74026- CWR	13.4 4	125 - Black, N. Pin Oak	High Density Log	101 J	81-110	Harvest	Clearcut with Reserves	4125 - Black, N. Pin Oak	Fld. Tr. Bdy Incomplete	
Specs:	otion			enerate. Leave Rec e of small stand size						out stand. No other rete	ention	
Other Comme	ents:											
<u>Next</u> Steps:		Regenera	ation survey	 Acceptable regen 	eration inclue	des a mo	oderate to	well stocked mix	of oak and aspen	species.		
Propose Start Da		10/01/201	4									

S t		Gay	lord Mgt. Unit	Repo			nents Prescri ting Factor	ibed	Compartment: 174 Year of Entry 2015	AT UNIT OF NATURAL PROVIDENCE
a n d	Treatme Name	nt Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	5217402 RPThin		42110 - Planted Red Pine	High Density Pole	51	171-200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Fld. Tr. Bdy Incomplete
<u>Prescri</u> <u>Specs:</u>	<u>ption</u> Thi	rd row thin. On	ly cut trees within rows	S.						
<u>Other</u> Comme		nd is very supp	ressed. Spacing withi	n rows is 3 ·	4 feet i	n places ar	nd the DBH range	e is 5 - 10 inches.	BA is 173.	
<u>Next</u> <u>Steps:</u>										
<u>Propose</u> Start Da		1/2014								
38	5217403 CCWR		4199 - Other Mixed Upland Deciduous	High Density Log	0	51-80	Harvest	Clearcut with Reserves	4199 - Other Mixed Upland Deciduous	Fld. Tr. Bdy Incomplete
<u>Prescri</u> <u>Specs:</u>			egenerate. Leave Red se of small stand size		c multi-s	pecies clun	nps of 2- 6 trees	per clump through	out stand. No other ret	ention
<u>Other</u> Comme	ents:									
<u>Next</u> Steps:	Re	generation surve	ey. Acceptable regene	eration inclu	des a m	oderate to	well stocked mix	of oak and aspen	species.	
Propose Start Da		1/2014								
45	5217404 CCWR	-	42220 - Natural Jack Pine	High Density Log	76 g		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Fld. Tr. Bdy Incomplete
<u>Prescri</u> <u>Specs:</u>			egenerate. Stand mus on in areas containing						Red Pine, and oak spec Creek.	cies. Place
<u>Other</u> Comme		ess stand throu	ugh private property to	the northwe	est. Clea	arcut in sur	nmer to disturb s	oil and promote na	tural regeneration.	
<u>Next</u> <u>Steps:</u>	Re		ey. Acceptable regene er 2 years from harves		des a m	oderate to	well stocked star	nd of Jack Pine. Tr	ench and plant if natur	al stocking level
<u>Propose</u> Start Da		1/2014								
47	5217404 CCWR		4123 - Red Oak	High Density Log	91 g	81-110	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy Incomplete
<u>Prescri</u> <u>Specs:</u>			egenerate. Mark clump stand. Establish a 300						ve retention area on ste llong the creek.	ep slope in
<u>Other</u> Comme		or quality, large	oak trees. Aspen is c	oncentrated	on the s	slopes facii	ng Crumley Cree	k. BA is 103.		
<u>Next</u> <u>Steps:</u>	Re	generation surve	ey. Acceptable regene	eration inclu	des a m	oderate to	well stocked mix	of oak, aspen and	coniferous species.	
<u>Propose</u> Start Da		1/2014								
48	5217404 CCWR		4319 - Mixed Upland Forest	High Density Log	81 g		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy Incomplete
<u>Prescri</u> <u>Specs:</u>			ne, oak, and cedar. Pl aintain a 300 foot buff				ound area locate	d in north part of st	and. Retention will also	o be a buffer to
<u>Other</u> Comme		ess stand throu ing up sale.	ugh private property to	the south.	Higher g	ground acc	ess is through pri	ivate property to the	e east. Consider this a	ccess when
<u>Next</u> <u>Steps:</u>	Re	generation surve	ey. Acceptable regene	eration inclu	des a m	oderate to	well stocked mix	of aspen and conif	ferous species.	
Propose Start Da		1/2014								

S t		Gayl	ord Mgt. Unit	Repo			nents Prescri ting Factor	bed	Compartment: 174 Year of Entry 2015	DUR DURE CE
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	52174053-STS	26.3	4111 - S.Maple, Hard Mast Association	High Density Log	81 I	111-140	Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Fld. Tr. Bdy Incomplete
<u>Presc</u> Spec		nd down to	70 - 80 RBA. Leave	e all beech if	no signs	s of beech	scale.			
<u>Next</u> <u>Steps</u> <u>Propo</u> <u>Start [</u>	sed_	14								
56	52174056- CCWR	19.3	4131 - Aspen, Oak	High Density Log	86		Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy Incomplete
Preso Spec		stand to re	generate. Mark indiv	idual and clu	mps of a	oak trees t	o leave.			
<u>Othei</u> Comr			granted by private pr				ss would be throu	ugh private propert	y to the south. Norther	n part of the
<u>Next</u> Steps	0	ation surve	y. Acceptable regen	eration inclue	des a m	oderate to	well stocked mix	of aspen and deci	duous species.	
Propo Start [14								
	Total Treatmen	it 	_							

Acreage Proposed: 264.1

S t		Gaylo	ord Mgt. Unit	Report 4		eatment Site Con	Compartment: 174 Year of Entry 2015	DNR DNR		
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 [

Gaylord Mgt. Unit

Report 5 – Site Conditions

John Scheele : Examiner

Compartment 174 Year of Entry 2015

Availability for Management

Atun	ionity for i	nanagement						
Total	Acres	Acres	De	omina	nt Site	e Con	dition	s
Acres	Available	Not Available		No	5C	5B	ЗJ	2G
213	213		Aspen	213				
75	75		Cedar	75				
174	174		Jack Pine	174				
16	16		Lowland Aspen/Balsam Poplar	16				
23	23		Lowland Conifers	23				
4	4		Lowland Deciduous	4				
57	57		Lowland Mixed Forest	57				
58	58		Mixed Upland Deciduous	11	47			
66	66		Natural Mixed Pines	66				
36	36		Northern Hardwood	36				
105	105		Oak	80	15	10		
20	20		Red Pine	20				
9		9	Tamarack					9
6		6	Upland Conifers				6	
26	26		Upland Mixed Forest	26				
4	4		White Pine	4				
891	875	16	Total Forested Acres	803	62	10	6	9
	98%	2%	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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
003	Available	5B: Maintain for regeneration purposes	10				
(Comments:						
004	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15				
(Comments:						

005		heele : Examiner			Compartment 174 Year of Entry 2015		
000	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47				
Co	omments:						
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5	4A: No merchantable products (see product standards)			
Co	omments:						
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5	4A: No merchantable products (see product standards)			
Co	omments:						
008	Not Available	3J: Water quality / BMPs (stream, river, or lake)	6				
Co	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
Red Pine stand Comments	Habitat Areas or Corridors	Habitat Corridor	SCA	2.8
Pine was left from last timbe	r harvest. BA is 83.			
M-68 White Pine	Visual Management Area	Recreational/Scenic Value Area	SCA	4.1
Comments Very tall, very good quality V	Vhite Pine. DBH range is 10 - 18	inches. BA is 140.		
Large pine buffer stand	Visual Management Area	Recreational/Scenic Value Area	SCA	6.2
Comments Large old-growth White and	Red Pine. Stand is a buffer to Cru	umley Creek and drainages leading into	o creek.	



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.

Conservation Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish 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.	ties (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems i influences the aquatic ecosystem and vice-versa. Because of th streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effe 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
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural River most Natural Rivers. The Vegetative Buffer ranges from 25 to 1 and Vegetative Buffers for each Natural River see the table loca folder.	s Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts

S t	Gaylord	Gaylord Mgt. Unit			– Forested	Stands Compartment: 174 Year of Entry: 2015
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	6.1	6		Cut in 2006 and planted in 2008.
3	42220 - Natural Jack Pine	High Density Pole	22.2	91		Jack Pine is taller and of better quality than adjacent stand. There are a few log-sized (10-12 DBH) Jack Pine and oak trees within stand.
4	42220 - Natural Jack Pine	Medium Density Pole	69.5	35		Short and very brnachy Jack Pine.
5	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	3.9	6		Cut in 2006 and planted in 2008.
6	4130 - Aspen	High Density Sapling	5.4	6		
7	42260 - Natural Pine, Mixed Deciduous	High Density Log	65.6	81	81-110	 Tall, nice quality Red Pine with areas of high BA and areas of no Red Pine. DBH range of Red Pine is 10 - 18 inches with estimated BA of 90 - 110. Some x-sized White Pine and Red Oak. White Pine is branchy and Jack Pine is dying out. Heavy deer trails through stand.
8	6120 - Lowland Cedar	High Density Pole	5.2	91		Very dense White Cedar
9	6121 - Tamarack	High Density Pole	4.7	93		
10	4130 - Aspen	High Density Pole	36.1	28		
11	6120 - Lowland Cedar	High Density Log	15.8	111		Crumley Creek valley.
12	6124 - Lowland Spruce- Fir	High Density Sapling	4.9	28		Stand is 20 - 30 feet tall.
13	6129 - Mixed Coniferous Lowland Forest	High Density Pole	13.7	51		
14	4319 - Mixed Upland Forest	High Density Log	10.4	91		Poor quality Red Maple. Transition stand from high to low ground. Large White Pine is mostly along stand edge adjacent to cedar stand. Deer and elk runway along stand low edge. Few x-sized White Pine.
15	6129 - Mixed Coniferous Lowland Forest	High Density Sapling	4.5	23		
16	4130 - Aspen	High Density Pole	10.3	38		
18	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	3.6	56		

S	Gaylord Mgt. Unit			Report 8	– Forested	Stands Compartment: 174 Year of Entry: 2015	
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
19	6120 - Lowland Cedar	High Density Pole	7.4	121		Paper Birch is dying out. A lot of deer tracks and bedding areas.	
20	429 - Mixed Upland Conifers	High Density Log	6.2	111	81-110	Large diameter, older-growth White and Red Pine. Pockets of lower ground within stand which drain into Crumley Creek. Stand buffers Crumley Creek and a couple drainages leading into stream. BA is 97.	
21	4130 - Aspen	High Density Sapling	11.1	8		Stand was labeled an A6 in last inventory. Cut in 2006. White Oak, Red Pine, and White Pine were not cut.	
22	6132 - Mixed Lowland Forest with Cedar	High Density Log	12.9	81		Some blow down of aspen and Balsam Fir. Transition stand from high to low ground. A lot of deer tracks present.	
23	6120 - Lowland Cedar	High Density Pole	3.1	121		Stand buffers Crumley Creek. Nice quality cedar. EAB is present in the Black Ash.	
24	4134 - Aspen, Spruce/Fir	High Density Log	12.7	91		Nice quality aspen and birch. Blowdown is starting to occur.	
25	4139 - Aspen, Mixed Deciduous	High Density Sapling	71.0	8			
26	4125 - Black, N. Pin Oak	High Density Log	13.4	101	81-110	Poor quality oak with aspen, Jack Pine, and some oak dying out. BA is 83.	
27	42110 - Planted Red Pine	High Density Pole	9.9	51	171-200	Stand is very suppressed. Spacing within row is 3 - 4 feet in places and the DBH range is 5 - 10 inches. BA is 173.	
28	6120 - Lowland Cedar	High Density Pole	44.1	96		Poor quality.	
29	4130 - Aspen	High Density Pole	46.6	39			
32	42210 - Natural Red Pine	High Density Log	2.8	91	81-110	Pine was left from last timber harvest. Jack Pine dying out. BA is 83.	
36	42200 - Natural White Pine	High Density Log	4.1	111	111-140	Very tall, very good quality White Pine. DBH range is 10 - 18 inches. Private, conservency property to the east and M-68 if the north. BA is 140.	
37	6112 - Lowland Aspen	High Density Sapling	15.7	8			
38	4199 - Other Mixed Upland Deciduous	High Density Log	11.0	101	51-80	Poorer quality oak with larger aspen dying out. Pockets of mostly aspen and pockets of oak with very slow growing White Pine in understory. Private conservency property to the east. BA is 80.	
40	4119 - Mixed Northern Hardwoods	High Density Pole	9.5	71	81-110	EAB is heavy. Ash and some birch dying out. BA is 93.	

S t	Gaylord Mgt. Unit			Report 8	– Forested	Stands Compartment: 174 Year of Entry: 2015	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
41	6121 - Tamarack	Medium Density Log	4.7	101		Tamarack dying out.	
42	4126 - White, Black, N. Pin Oak	High Density Sapling	28.3	5		Saw 5 bull elks during inventory. Heavy elk browse. Regeneration is 3-5 feet tall.	
43	4199 - Other Mixed Upland Deciduous	Medium Density Log	47.0	91	51-80	Poor quality Red Oak and aspen. Pockets of aspen. More open with very little understory compared to stand to the east. BA is 63,	
44	4126 - White, Black, N. Pin Oak	High Density Log	14.6	91	81-110	110 Good White Oak regeneration. Pocket of aspen in southeast corner of stand. BA is 100.	
45	42220 - Natural Jack Pine	High Density Log	72.2	76		Individual Jack Pine trees dying. Heavy Elk browse in adjacent stand.	
46	4124 - Red with White Oak	Medium Density Log	10.4	91	51-80	Oak overstory with a Red Maple understory. Deer/elk rubs present. BA is 70.	
47	4123 - Red Oak	High Density Log	38.0	91	81-110	Poor quality, large oak trees. Some x-sized White and Red Oak. Heavy White Pine understory which is very slow growing. Aspen is concentrated on slopes facing Crumley Creek. BA is 103.	
48	4319 - Mixed Upland Forest	High Density Log	15.7	81		Pocket of lower ground in north part of stand.	
50	6132 - Mixed Lowland Forest with Cedar	High Density Log	24.8	91		Pockets of larger White Cedar within stand with no Balsam Fir understory. A lot of deer runways and rubs in stand. Water drainage along north side of stand leading to Crumley Creek to the west.	
52	6132 - Mixed Lowland Forest with Cedar	High Density Log	18.9	81	Aspen dying out and falling over.		
53	4111 - S.Maple, Hard Mast Association	High Density Log	26.3	81	111-140 BA is 130. EAB is present but no beech scale. Smaller DBH trees in the south part of stand. Access permission to the stand was granted by private property owner to the south. Better access to stand would be through private property to the east.		
55	42210 - Natural Red Pine	High Density Log	7.1	76	81-110 Tall, nice Red Pine. Jack Pine dying out or dead. West facing slope toward water. BA is 83.		
56	4131 - Aspen, Oak	High Density Log	19.3	86		Stand is mostly on top of hill. Northern part of stand has more oak and Red Maple while the southeast corner has mostly Red Maple. There are larger DBH oaks (>14 inches) along northern edge of stand. High elk signs on private property to the east.	

Gaylord Mgt. Unit

Report 9 – Nonforested Stands

Compartment: 174

Year of Entry: 2015



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:	MICHIGAN
2	122 - Road/Parking Lot	2.2	Unspecified	Unspecified		
17	623 - Emergent Wetland	2.9	Unspecified	Unspecified		
30	122 - Road/Parking Lot	3.4	Unspecified	Unspecified		
31	6225 - Bog	1.2	Unspecified	Unspecified		
33	790 - Other Bare/Sparsely Vegetate	3.6	Unspecified	Unspecified		
34	50 - Water	3.3	Unspecified	Unspecified		
35	122 - Road/Parking Lot	2.5	Unspecified	Unspecified		
39	622 - Lowland Shrub	11.0	Unspecified	Unspecified		
49	622 - Lowland Shrub	11.5	Unspecified	Unspecified		
51	50 - Water	7.4	Unspecified	Unspecified		
54	622 - Lowland Shrub	8.5	Unspecified	Unspecified		