

COMPARTMENT REVIEW PRESENTATION

GAYLORD FOREST MANAGEMENT UNIT

COMPARTMENT: 40

ENTRY YEAR: 2013 ACREAGE: 2,364 COUNTY: Charlevoix

Revision Date: 04/01/2011

Stand Examiner: Ric Barta

Legal Description: T33N R04W Sec. 19-21, 28-30

Management 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: Most of this compartment falls with the wide flat valley of the Springbrook drainage and is vegetated with wetland coniferous associations. The uplands, located in the southwest corner, northwest corner and along its eastern edge, are covered primarily with hardwoods. Upland terrain varies from rolling to severe, including part of the west slope of the Chandler Hills. The low, level wetland areas are underlain with Tawas-Carbondale mucks. The upland areas are dominated by soils of the Kalkaska-Leelanau and Leelanau-Emmet associations, characterized as nonhydric soils with varying ratios of sand to loam in the surface horizons.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Two thirds of the compartment in state ownership. Much if the private land is cleared but very little is being farmed.

Unique, Natural Features: The compartment's combination of swamp and surrounding hardwoods present ideal habitat for red shouldered hawks. The Springbrook is also notable.

Archeological, Historical, and Cultural Features: Railroad grades from the logging era can be found in the swamp in Sections 19 and 20.

Special Management Designations or Considerations: A Director's Order prohibits the use of motorized vehicles in Section 21 and the north half of Section 28.

Watershed and Fisheries Considerations: Portions of the North Branch Spring Brook Creek and the South Branch of Spring Brook Creek, as well as their tributaries, flow through this compartment. Both of these stream systems are Type 1 designated trout streams within the Bear River watershed. These streams are not stocked, and their trout populations are supported by natural reproduction. The South Branch of Spring Brook was sampled by Fisheries Division in 2009 and was found to be a "classic brook trout nursery water" with "high quality groundwater" inputs (Cwalinski 2009). Shade, limiting sediment input, and woody debris recruitment are all crucial to maintaining a high quality trout stream system such as Spring Brook. Restricting cutting to outside of the appropriate buffers will help to maintain temperatures and the overall health of the watershed. As always, the appropriate BMP's should be applied when working in the proximity of surface water.

Wildlife Habitat Considerations: This compartment consists of a mix of northern hardwoods, a small component of aspen and a lowland complex associated with Spring Brook creek and various drainages. The lowland complex is utilized by white-tailed deer, black bear, various amphibians and furbearers. In the upland portion stands 4, 11, 22, 32, 34, 40, and 68 are going to be treated to provide structural diversity within these stands and the compartment. The southeast corner of this compartment contains a heavy component of Northern Red Oak that gets heavily used during good acorn production years by a variety of wildlife species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of a mixture of coarse-textured glacial end moraine deposits (high ground) and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Antrim Shale. This shale is quarried for shale/clay elsewhere in the State. One gravel pit is located on the moraine deposits in Section 33. All State lands located on these moraines have excellent gravel potential. Oil and gas potential in the area is primarily for the Antrim Shale gas play. The area is near the limit of the Antrim Shale and may be too risky to drill. All of the State land in the area is currently leased for oil and gas development.

Vehicle Access: Access is good throughout the compartment.

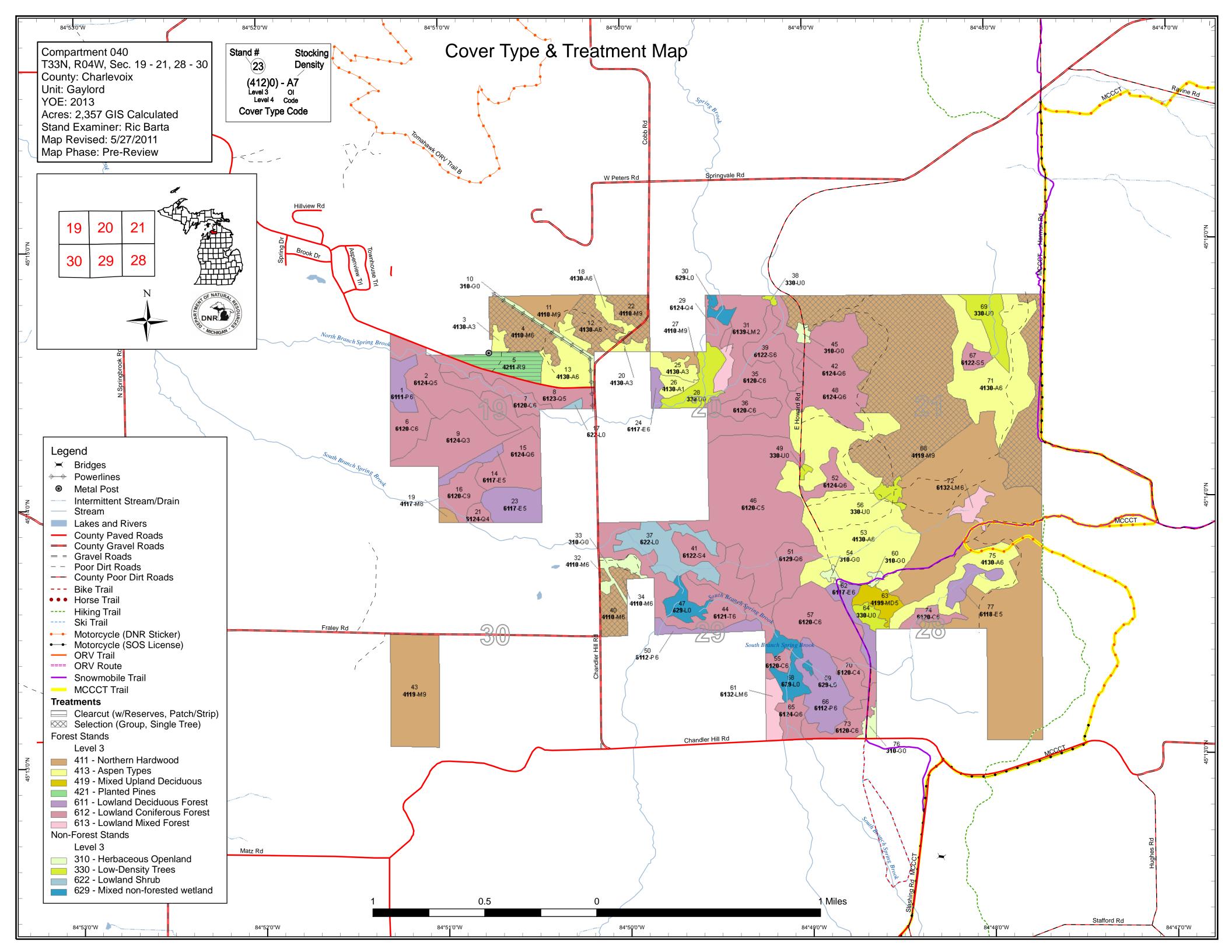
Survey Needs: Some survey assistance may be needed in Section 28.

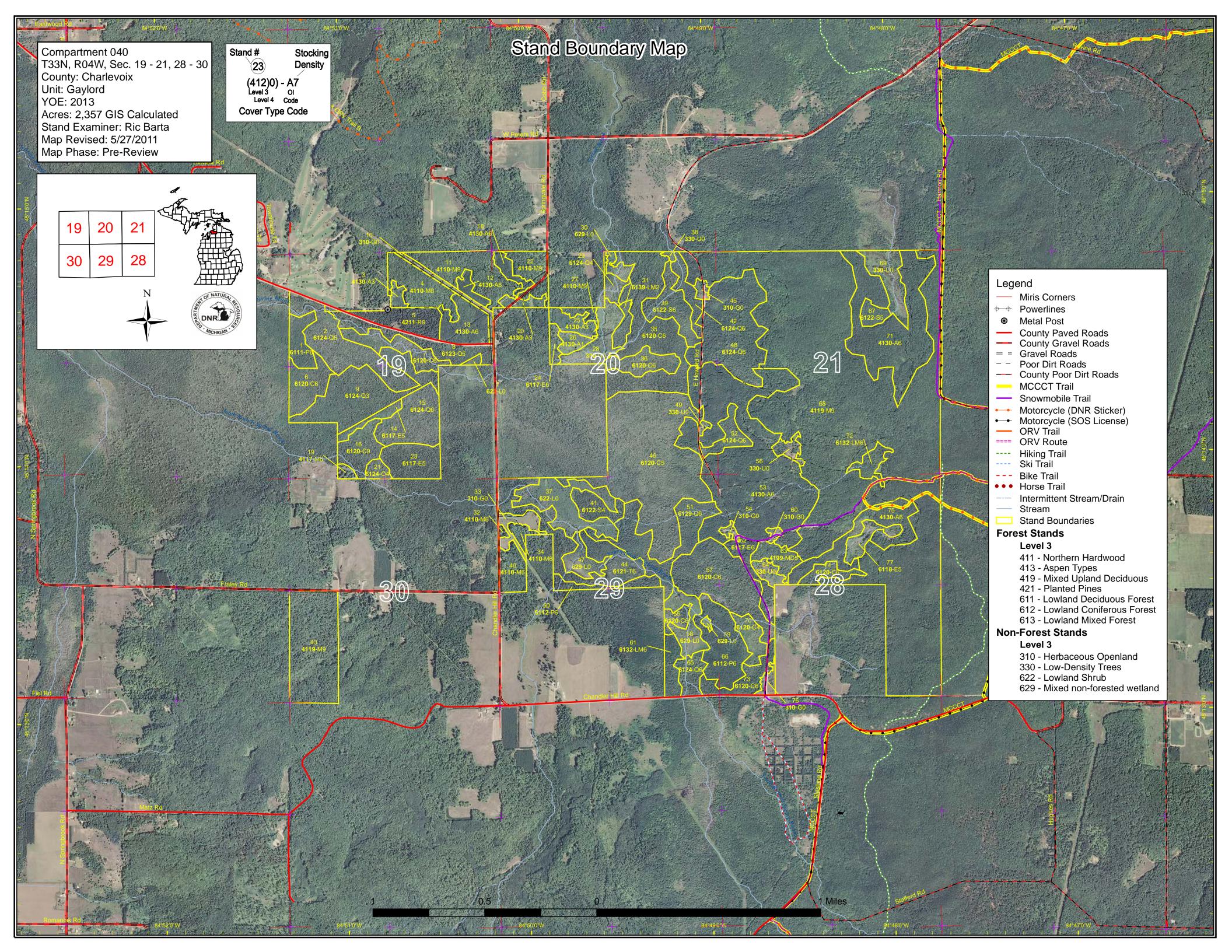
Recreational Facilities and Opportunities: This compartment has the Michigan Cross Country Cycle Trail (MCCCT) running through section 30 and 31. There is a boating access site on Cochran Lake in section 21.

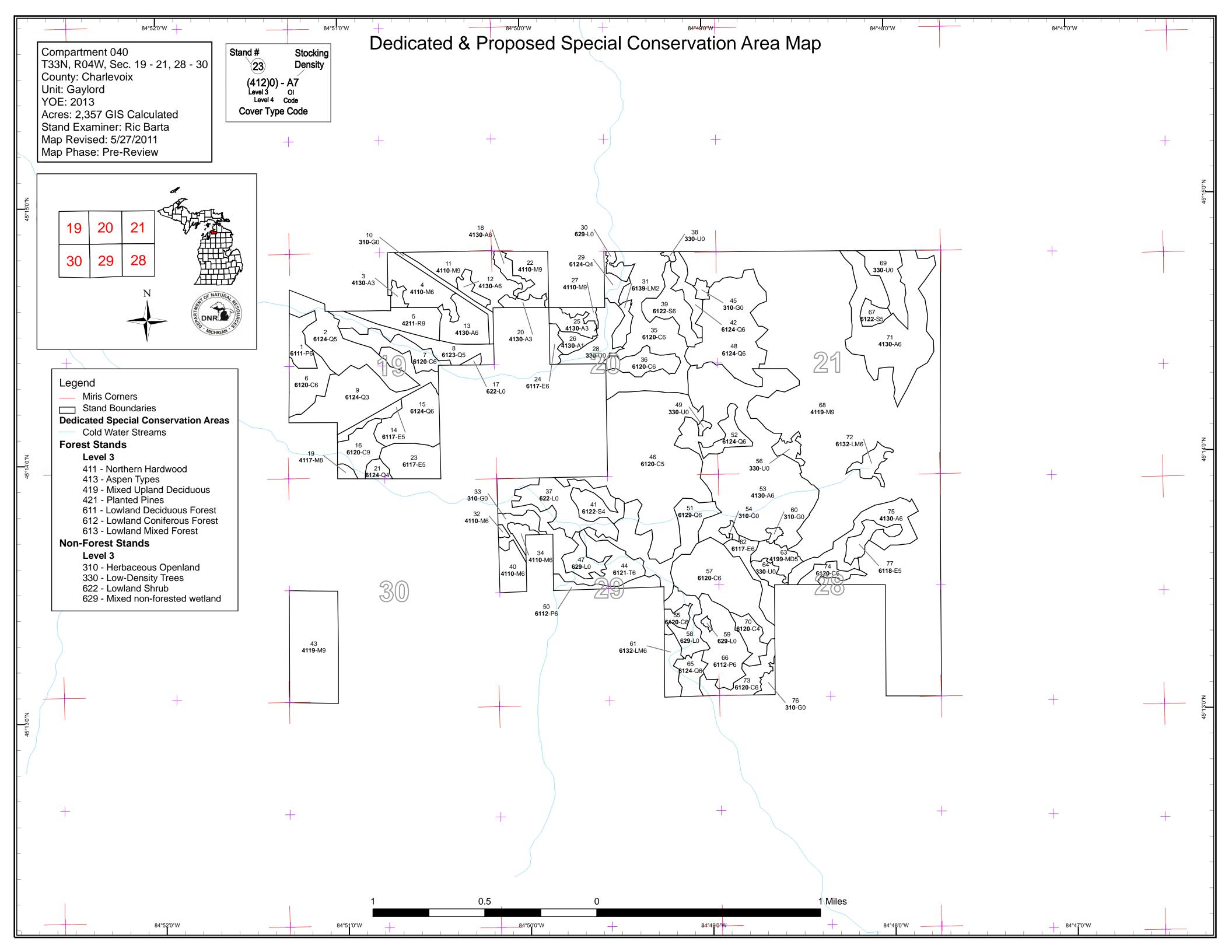
Fire Protection: No foreseen problems

Additional Compartment Information:

- > The following 3 reports from the IFMAP Inventory System are attached:
 - **♦** Cover Type by Age Class
 - **♦** Proposed Treatments No Limiting Factors
 - **♦** Proposed Treatments With Limiting Factors
- > The following information is displayed, where pertinent, on the attached compartment maps:
 - **♦** Base feature information, stand numbers, cover types
 - **♦** Proposed treatments
 - ♦ Proposed road access system
 - ♦ Suggested potential and current SCA's







Compartment 040 Year of Entry 2013

Gaylord Mgt. Unit
Richard Barta : Examiner



Age Class

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	Not Not	Do No.	 % 	0,0	,	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	D. A. C. C.	\$5.05 /	8,0	, R. / .	\$.	85.	00,00	, 10, 70 82, 73	70 [×] /30°	K	T 8./
Aspen	0	27	0	36	129	182	0	0	0	0	0	0	0	0	0	374	
Cedar	0	0	0	0	12	0	0	0	26	20	6	97	0	250	0	411	ĺ
Herbaceous Openland	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	ĺ
Low-Density Trees	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	ĺ
Lowland Aspen/Balsam Poplar	0	0	0	39	0	0	0	14	0	0	10	0	0	0	0	63	ĺ
Lowland Conifers	0	0	0	0	0	0	0	28	87	24	58	0	0	83	61	342	ĺ
Lowland Deciduous	0	0	0	0	0	7	0	26	30	0	0	0	0	0	0	62	ĺ
Lowland Mixed Forest	0	0	0	0	0	12	0	0	0	7	0	0	9	0	0	28	ĺ
Lowland Shrub	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	ĺ
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	0	0	0	14	23	0	0	44	ĺ
Mixed Upland Deciduous	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13	ĺ
Northern Hardwood	0	0	0	0	0	0	0	0	690	91	0	0	0	0	0	780	ĺ
Red Pine	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	22	ĺ
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	52	ĺ
Total	166	27	0	75	142	200	19	68	854	142	75	110	85	334	61	2357	ı



Table 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit Year of Entry 2013

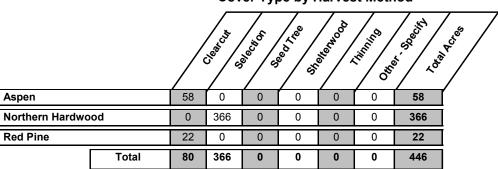
Compartment 040 Total Compartment Acres: 2357

Acres	by	Treatment	Type
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Commercial Harvest - 446 Site Prep - 0 Tree Planting - 0 Prescribed Burn - 0 Other - 0

Habitat Cut - 0 Opening Maintenance - 0 Tree Seeding - 0 Pesticide - 0

Cover Type by Harvest Method



s t		aylord Mgt. Unit			atments Pre Limiting Fac		Compartment: 040 Year of Entry 2013	DNR DNR	
a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	52040004-Cut	28.5	4110 - Sugar Maple Association	High Density Pole	77	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
Preso Spec		ional ha	ardwood thinning. Prote	ect elm and oak.					
Other Comr	<u>r</u> ments:								
Next Steps	<u>3:</u>								
5	52040005-Cut	22.4	42110 - Planted Red Pine	High Density Log	74	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal
Preso Spec	cription_Final hars:	vest.							
Other Comr	Try to proments:	otect th	e few oak saps and po	es that are present	. This w	on't be easy give	en the size of the pine.		
Next Steps	Replant s	red pine	e.						
11	52040011-Cut	20.3	4110 - Sugar Maple Association	High Density Log	72	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
Preso Spec	cription Convent	ional ha	ardwood thinning.						
Other Comr	<u>r</u> ments:								
Next Steps	<u>s:</u>								
22	52040022-Cut	18.7	4110 - Sugar Maple Association	High Density Log	76	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
Preso Spec	<u>cription</u> Conventi s:	ional ha	ardwood thinning.						
Other Comr	<u>r</u> ments:								
Next Steps	<u>s:</u>								
32	52040032-Cut	1.3	4110 - Sugar Maple Association	High Density Pole	80	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
Preso Spec	cription Convent	ional ha	ardwood thinning.						
Other Comr	<u>r</u> ments:								
Next Steps	<u>s:</u>								
34	52040034-Cut	4.9	4110 - Sugar Maple Association	High Density Pole	80	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
Preso Spec	cription Convent	ional ha	ardwood thinning.						
Other Comr	<u>r</u> ments:								

Next Steps:

Gaylord Mgt. Unit Table 3 -- Treatments Prescribed Compartment: 040 Year of Entry 2013 with No Limiting Factor s t **Treatment** Acres Stage1 Size Stand **Treatment Treatment Cover Type Approval** n Density Method Name CoverType Objective Status Type Age d High Density Pole 40 52040040-Cut 4110 - Sugar Maple 80 Single Tree Selection 4110 - Sugar Maple Cmpt. Review 14.9 Harvest Association Association Proposal Prescription Conventional hardwood selection. Mark to 80-90. Specs: <u>Other</u> Mark lightly along the drainage, if at all. Comments: <u>Next</u> Steps: 68 52040068-277.3 4119 - Mixed High Density Log Harvest Single Tree Selection 4110 - Sugar Maple Cmpt. Review Association Proposal Cut_small Northern Hardwoods Prescription Conventional hardwood selection. Thin to 80-90. May want to make two sales out of this.

Specs:

Thin with beech bark disease and emerald ash borer in mind. Protect steep slopes which are mostly in the south end. <u>Other</u>

Comments:

<u>Next</u> Steps:

Total Treatment

388.4 Acreage Proposed:

S t a		Gay	lord Mgt. Unit	Table 4 -		ents Prescrib ing Factor	Compartment: 040 Year of Entry 2013	DNR MICHIGAN	
n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error						
Preso Spec	cription s:								
Othe Com	<u>r</u> ment:								
Next Steps	<u>5:</u>								
	ing Factor and N ment Reason	<u>lo</u>							

Total Treatment
Acreage Proposed:

0

Out of YOE -- Treatments Prescribed with No Limiting Factor

Year of Entry: 2013

DNR DNR	
proval	

Approval Status Treatment Cover Type Objective **Treatment Treatment Acres** Stage1 Size Stand Name CoverType Density Age Type Method <u>Prescription</u> Specs: <u>Other</u> Comments: <u>Next</u> Steps:

Total Treatment
Acreage Proposed:

0

s t				5 – For	rested Stan	Compartment: 040 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6111 - Lowland Balsam Poplar	High Density Pole	14.0	63	51-80	
2	6124 - Lowland Spruce- Fir	Medium Density Pole	48.1	126	51-80	
3	4130 - Aspen	High Density Sapling	3.9	4		
4	4110 - Sugar Maple Association	High Density Pole	28.5	77	111-140	
5	42110 - Planted Red Pine	High Density Log	22.4	74	81-110	
6	6120 - Lowland Cedar	High Density Pole	21.6	126	81-110	Thick fir regeneration.
7	6120 - Lowland Cedar	High Density Pole	20.2	107	141-170	
8	6123 - Lowland Fir	Medium Density Pole	27.9	60	51-80	
9	6124 - Lowland Spruce- Fir	High Density Sapling	60.9	Uneven Age	51-80	Some blowdown. Fir regeneration is ubiquitous and heavy locally under a broken canopy of trees that survived one or more blowdown events.
11	4110 - Sugar Maple Association	High Density Log	38.1	72	111-140	
12	4130 - Aspen	High Density Pole	5.8	28	1-50	
13	4130 - Aspen	High Density Pole	22.8	28	1-50	
14	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	6.6	48	1-50	
15	6124 - Lowland Spruce- Fir	High Density Pole	35.2	126	51-80	Poor form in general. Some blowdown. Wet.
16	6120 - Lowland Cedar	High Density Log	19.8	81	171-200	Stream runs throught it.
18	4130 - Aspen	High Density Pole	7.1	28	111-140	
19	4117 - Mixed N. Hardwood - Pine	Medium Density Log	2.9	75	1-50	Trees are open grown.
20	4130 - Aspen	High Density Sapling	5.8	4		

s t	Gaylord Mgt. Unit			5 – Fo	orested Sta	nds Compartment: 040 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	6124 - Lowland Spruce- Fir	Low Density Pole	5.1	89	1-50	
22	4110 - Sugar Maple Association	High Density Log	18.7	76	111-140	
23	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	24.4	70	1-50	
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.2	70	51-80	
25	4130 - Aspen	High Density Sapling	10.6	4		Regeneration is somewhat patchy.
26	4130 - Aspen	Low Density Sapling	6.7	4		This is the south part of a recent clearcut. It didn't regenerate as well as the north half but I would expect it to catch up eventually. It is lower ground so it may come back with more fir.
27	4110 - Sugar Maple Association	High Density Log	4.4	73	81-110	
29	6124 - Lowland Spruce- Fir	Low Density Pole	7.0	82	1-50	LOTS of blowdown. Lots of deciduous mortality as if it has been flooded though it is not underwater now.
31	6139 - Mixed Lowland Forest	Medium Density	6.8	82	1-50	
32	4110 - Sugar Maple Association	High Density Pole	1.3	80	111-140	Manage with 32 and 33.
34	4110 - Sugar Maple Association	High Density Pole	4.9	80	111-140	Manage with 31 and 32.
35	6120 - Lowland Cedar	High Density Pole	76.6	107	81-110	
36	6120 - Lowland Cedar	High Density Pole	16.5	76	51-80	
39	6122 - Black Spruce	High Density Pole	23.3	110	81-110	
40	4110 - Sugar Maple Association	High Density Pole	14.9	80	111-140	Manage with 31 and 33.
41	6122 - Black Spruce	Low Density Pole	13.7	105	1-50	An "island" of spruce in a tag alder swamp.
42	6124 - Lowland Spruce- Fir	High Density Pole	12.2	72	111-140	

Gaylord		5 – Fo	orested Sta	nds Compartment: 040 Year of Entry: 2013	
Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4119 - Mixed Northern Hardwoods	High Density Log	69.7	86	81-110	Cut ten years ago except slopes.
6121 - Tamarack	High Density Pole	52.0	117	51-80	
6120 - Lowland Cedar	Medium Density Pole	150.7	140	51-80	Poor form and patchy stocking.
6124 - Lowland Spruce- Fir	High Density Pole	74.8	74	111-140	Wet in places. Several seeps and small streams that need protection. This stand can be viewed as one big seep, with the resulting streams coming together as they flow westward. Significant blowdown. Species composition and size class both vary considerably.
6112 - Lowland Aspen	High Density Pole	10.1	91	51-80	
6129 - Mixed Coniferous Lowland Forest	High Density Pole	46.3	97	81-110	
6124 - Lowland Spruce- Fir	High Density Pole	12.0	93	51-80	Stream passes through.
4130 - Aspen	High Density Pole	181.6	41		All young aspen, some of which was last cut in 1983 and some in 1970.
6120 - Lowland Cedar	High Density Pole	6.4	97	81-110	
6120 - Lowland Cedar	High Density Pole	60.2	127	111-140	
6132 - Mixed Lowland Forest with Cedar	High Density Pole	11.7	41	51-80	
6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	14.9	68	81-110	
4199 - Other Mixed Upland Deciduous	Medium Density Pole	12.6	52	1-50	
6124 - Lowland Spruce- Fir	High Density Pole	12.3	83	111-140	Contains streams. Some blowdown. Large patch of fir regeneration.
6112 - Lowland Aspen	High Density Pole	39.0	28	1-50	High water table.
6122 - Black Spruce	Medium Density Pole	6.9	54	51-80	•
4119 - Mixed Northern Hardwoods	High Density Log	596.9	73	111-140	Heavy to oak in southeast. Ash is heavy in places. Beech bark disease is present.
	Level 4 Cover Type 4119 - Mixed Northern Hardwoods 6121 - Tamarack 6120 - Lowland Cedar 6124 - Lowland Spruce-Fir 6124 - Lowland Spruce-Fir 4130 - Aspen 6120 - Lowland Cedar 6120 - Lowland Cedar 6120 - Lowland Cedar 6120 - Lowland Cedar 6121 - Lowland Cedar 6122 - Mixed Lowland Forest with Cedar 6132 - Mixed Lowland Coniferous 4199 - Other Mixed Coniferous 4199 - Other Mixed Upland Deciduous 6124 - Lowland Spruce-Fir 6112 - Lowland Aspen 6122 - Black Spruce	Cover TypeDensity4119 - Mixed Northern HardwoodsHigh Density Log6121 - TamarackHigh Density Pole6120 - Lowland Cedar FirMedium Density Pole6124 - Lowland Spruce- FirHigh Density Pole6129 - Mixed Coniferous Lowland ForestHigh Density Pole6124 - Lowland Spruce- FirHigh Density Pole4130 - AspenHigh Density Pole6120 - Lowland Cedar Forest with CedarHigh Density Pole6120 - Lowland Cedar Forest with CedarHigh Density Pole6132 - Mixed Lowland Forest with CedarHigh Density Pole6117 - Lowland Deciduous, Mixed ConiferousHigh Density Pole6117 - Lowland DeciduousMedium Density Pole6124 - Lowland Spruce- FirHigh Density Pole6124 - Lowland AspenHigh Density Pole6112 - Black SpruceMedium Density Pole4119 - Mixed NorthernHigh Density Pole	Level 4 Cover TypeSize DensityAcres4119 - Mixed Northern HardwoodsHigh Density Pole69.76121 - TamarackHigh Density Pole52.06120 - Lowland CedarMedium Density Pole150.76124 - Lowland Spruce- FirHigh Density Pole74.86129 - Mixed Coniferous Lowland ForestHigh Density Pole10.16129 - Mixed Coniferous Lowland ForestHigh Density Pole12.04130 - AspenHigh Density Pole181.66120 - Lowland Cedar 	Level 4 Cover Type Size Density Acres Stand Age 4119 - Mixed Northern Hardwoods High Density Log 69.7 86 6121 - Tamarack High Density Pole 52.0 117 6120 - Lowland Cedar Fir Medium Density Pole 150.7 140 6124 - Lowland Spruce-Fir High Density Pole 74.8 74 6129 - Mixed Conferous Lowland Forest High Density Pole 46.3 97 6124 - Lowland Spruce-Fir High Density Pole 12.0 93 6124 - Lowland Spruce-Fir High Density Pole 181.6 41 6120 - Lowland Cedar Pole High Density Pole 6.4 97 6120 - Lowland Cedar Pole High Density Pole 60.2 127 6132 - Mixed Lowland Forest with Cedar High Density Pole 11.7 41 6117 - Lowland Deciduous, Mixed Conferous Medium Density Pole 68 4199 - Other Mixed Upland Deciduous Density Pole 12.6 52 6124 - Lowland Spruce-Fir High Density Pole 12.3 83 6112 - Lowland Aspen Fir High Density Pole	Level 4 Cover Type Size Density Density Acres Stand Age BA Range 4119 - Mixed Northern Hardwoods High Density Log 69.7 86 81-110 6121 - Tamarack High Density Pole 52.0 117 51-80 6120 - Lowland Cedar Density Pole Medium Density Pole 150.7 140 51-80 6124 - Lowland Spruce- Fir High Density Pole 74.8 74 111-140 6129 - Mixed Coniferous Lowland Forest High Density Pole 46.3 97 81-110 6124 - Lowland Spruce- Fir High Density Pole 12.0 93 51-80 6124 - Lowland Spruce- Fir High Density Pole 181.6 41 6120 - Lowland Cedar High Density Pole 6.4 97 81-110 6120 - Lowland Cedar High Density Pole 60.2 127 111-140 6132 - Mixed Lowland Forest with Cedar High Density Pole 11.7 41 51-80 6117 - Lowland Deciduous Mixed Lowland Pole Density Pole Pole 12.6 52 1-50 6124 - Lowland Spruce- Fir High Density Pole Pole 12.3

S t	Gaylor	d Mgt. Unit		5 – F	orested Stai	Compartment: 040 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	6120 - Lowland Cedar	Low Density Pole	12.3	30	1-50	
71	4130 - Aspen	High Density Pole	91.5	34	51-80	
72	6132 - Mixed Lowland Forest with Cedar	High Density Pole	9.3	115	141-170	Stream and headwaters. Lots of deer activity; appears to be a travel corridor between the Howard Rd swamp and the oaks to the east.
73	6120 - Lowland Cedar	High Density Pole	17.8	137	111-140	Stream passes through.
74	6120 - Lowland Cedar	High Density Pole	9.1	78	171-200	Multiple streams present. More to conifers in the west end.
75	4130 - Aspen	High Density Pole	37.8	37	51-80	Beaver activity.
77	6118 - Lowland Deciduous with Cedar	Medium Density Pole	11.2	60	1-50	Very wet with flowing water and evidence of flooding. Signs of beaver activity.

6 - Nonforested Stands

Compartment: 040 Year of Entry: 2013



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
10	3105 - Mixed Upland Herbaceous	8.0	N\A	Unspecified	
17	6220 - Alder/willow	1.6	N\A	Unspecified	Scattered conifer saplings.
28	3303 - Mixed Low Density Trees	21.7	N\A	Unspecified	Mixed bag. Lots of mortality, perhaps from recent beaver flooding. Better stocked in the south with fir, p. birch, r. maple and b. ash. Tag alder and cattails common.
30	629 - Mixed non-forested wetland	5.3	N\A	Unspecified	Heavy mortality in standing water. Beaver flooding is assumed.
33	3105 - Mixed Upland Herbaceous	10.1	N\A	Unspecified	
37	6220 - Alder/willow	38.4	N\A	Unspecified	
38	3302 - Low Density Conifer Trees	1.1	N\A	Unspecified	Scattered conifer saplings in a marsh.
45	3105 - Mixed Upland Herbaceous	3.0	N\A	Unspecified	
47	629 - Mixed non-forested wetland	12.1	N\A	Unspecified	
49	3301 - Low Density Deciduous Tree	1.5	N\A	Unspecified	
54	3105 - Mixed Upland Herbaceous	2.4	N\A	Unspecified	
56	3301 - Low Density Deciduous Tree	6.1	N\A	Unspecified	
58	629 - Mixed non-forested wetland	17.8	N\A	Unspecified	
59	629 - Mixed non-forested wetland	1.1	N\A	Unspecified	
60	3105 - Mixed Upland Herbaceous	2.0	N\A	Unspecified	
64	3301 - Low Density Deciduous Tree	6.8	N\A	Unspecified	
69	3303 - Mixed Low Density Trees	21.9	N\A	Unspecified	Beaver ponds and meadows with expected mortality. Patchy with live trees and shrubs.

Gaylord Mgt. Unit

6 - Nonforested Stands

Compartment: 040 Year of Entry: 2013



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
76	3105 - Mixed Upland Herbaceous	4.6	N\A	Unspecified	

Gaylord Mgt. Unit

Compartment: 040 Year of Entry: 2013



7 - 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.

Stand	SCA Type	SCA Name	Acres	Comments

Gaylord Mgt. Unit

Compartment: 040 Year of Entry 2013



8 – 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.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area	
SCA	Cold Water Stream	stocked trout populations and those of other year to year. Coldwater streams in Michigan contributions of groundwater to their stream	oldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or ked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from to year. Coldwater streams in Michigan typically provide these conditions due to substantial ributions of groundwater to their stream flows. Such streams are established by Director's action and gnated as trout resources by Fisheries Order 210.	