

Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52043 Entry Year 2019 Acreage: 3,324

County Charlevoix

Management Area: Chandler Hills

Revision Date: 2017-05-22 Stand Examiner: Zach Crew

Legal Description:

T32N R4W Sec. 4-7, 9-14 and 24-26

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:

This compartments topography ranges from rolling to very steep moraines. There are also some lowland types around the West Branch of the Sturgeon River valley. Soils of the Kalkaska-Leelanau and Kalkaska-Mancelona associations are the dominant types in this compartment

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

State ownership is fairly contiguous throughout the compartment except for some isolated parcels in the southeast. Most of the surrounding area is rural with little development, although there is some oil and gas activity in the south and east, as well as a sand/gravel pit south of Thumb Lake road. Land use is mostly recreational.

Unique Natural Features:

The headwaters of the both the North Branch of the Boyne and the West Branch of the Sturgeon our found in this compartment.

Archeological, Historical, and Cultural Features:

There is a site in section 4.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

This compartment contains part of Thumb Lake, and the headwaters to the West Branch Sturgeon River, a designated trout stream. The riparian zone of the W Br Sturgeon River should not be managed for aspen, and appropriate buffers should be used to promote large woody debris recruitment and to discourage beaver activity.

Wildlife Habitat Considerations:

The vast majority of this compartment is in northern hardwoods with a minor oak component. Small inclusions of aspen provide additional wildlife habitat and should continue to be managed as such. Featured wildlife species include wild turkey and deer. There is little opportunity for opening creation or maintenance. Beech and ash salvage has occurred in this compartment due to Beach Bark Disease and Emerald Ash Borer. Therefore, available mast sources are decreasing and any oak component should be maintained for this purpose.

Mineral Resource and Development Concerns and/or Restrictions

The southern portion of the compartment has been developed for Antrim Shale gas production, and all state mineral rights within this area is currently leased and is held by produciton. State minerals in sections 4-7 have been leased in the recent past. The compartment is on the northern edge of the current extent of Antrim development. The Antrim is thinning to the north and is generally less productive. Nevertheless, there is potential for Antrim development to expand into the northern part of the compartment, if natural gas prices see a significant rise. Rieth-Riley operates a large sand/gravel pit on private land in Section 16. There are some sand and gravel pits to the south and west, along I-75, and potential is good within the compartment.

Vehicle Access:

Access is decent throughout the compartment. There are roads that are in need of maintenance in the northwest portion of the compartment that makes access difficult. Logging access is difficult in spots due to ownership patterns and topography.

Survey Needs:

None

Recreational Facilities and Opportunities:

There is an ORV/MCCCT trail, snowmobile trail, and the North Country Trail located in this compartment.

Fire Protection:

Fire protection is provided out of the Gaylord Field Office. The forest types in this compartment due not exhibit characteristics to develop large wildfires. Access may be an issue in some locations

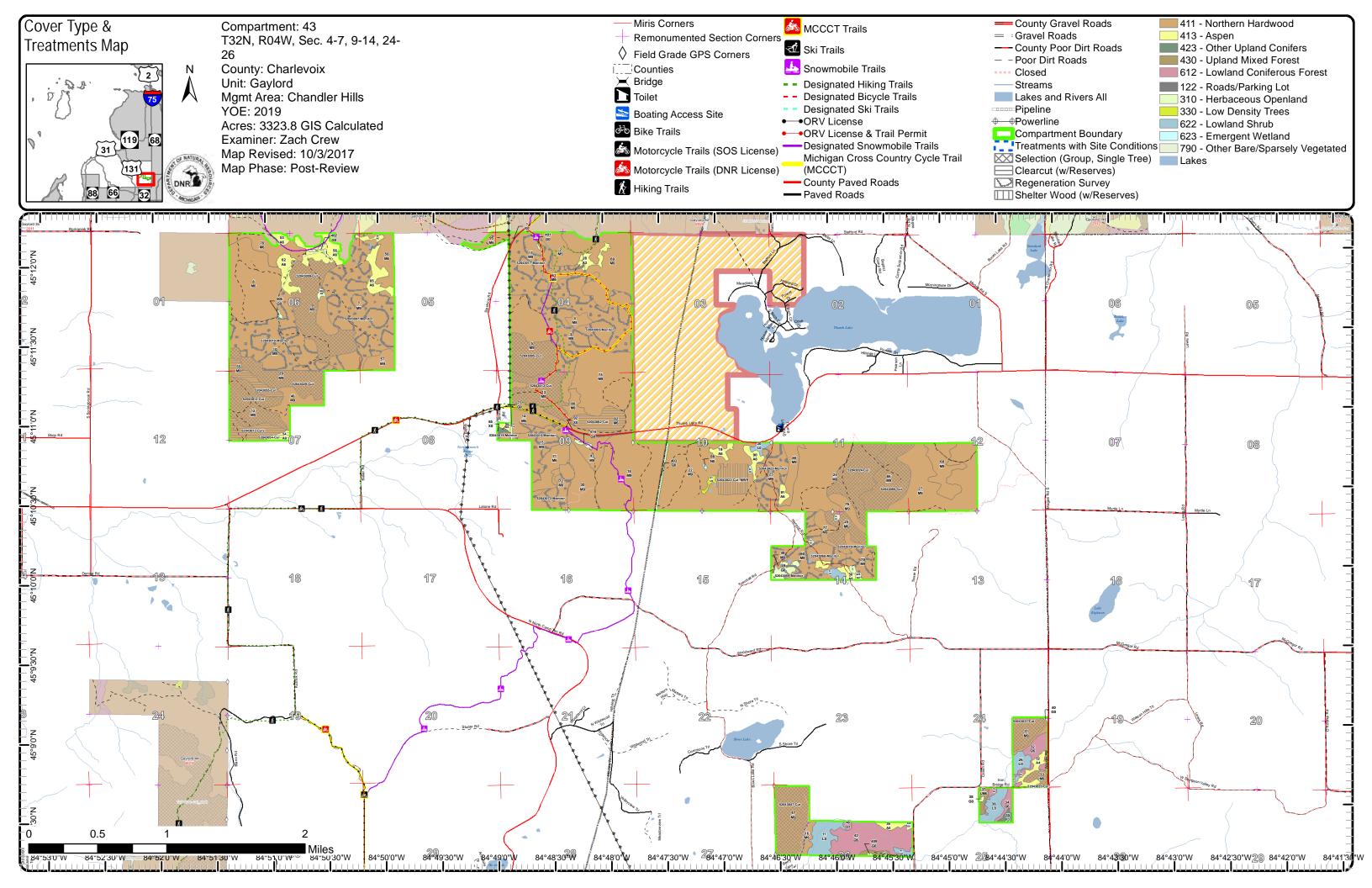
Additional Compartment Information:

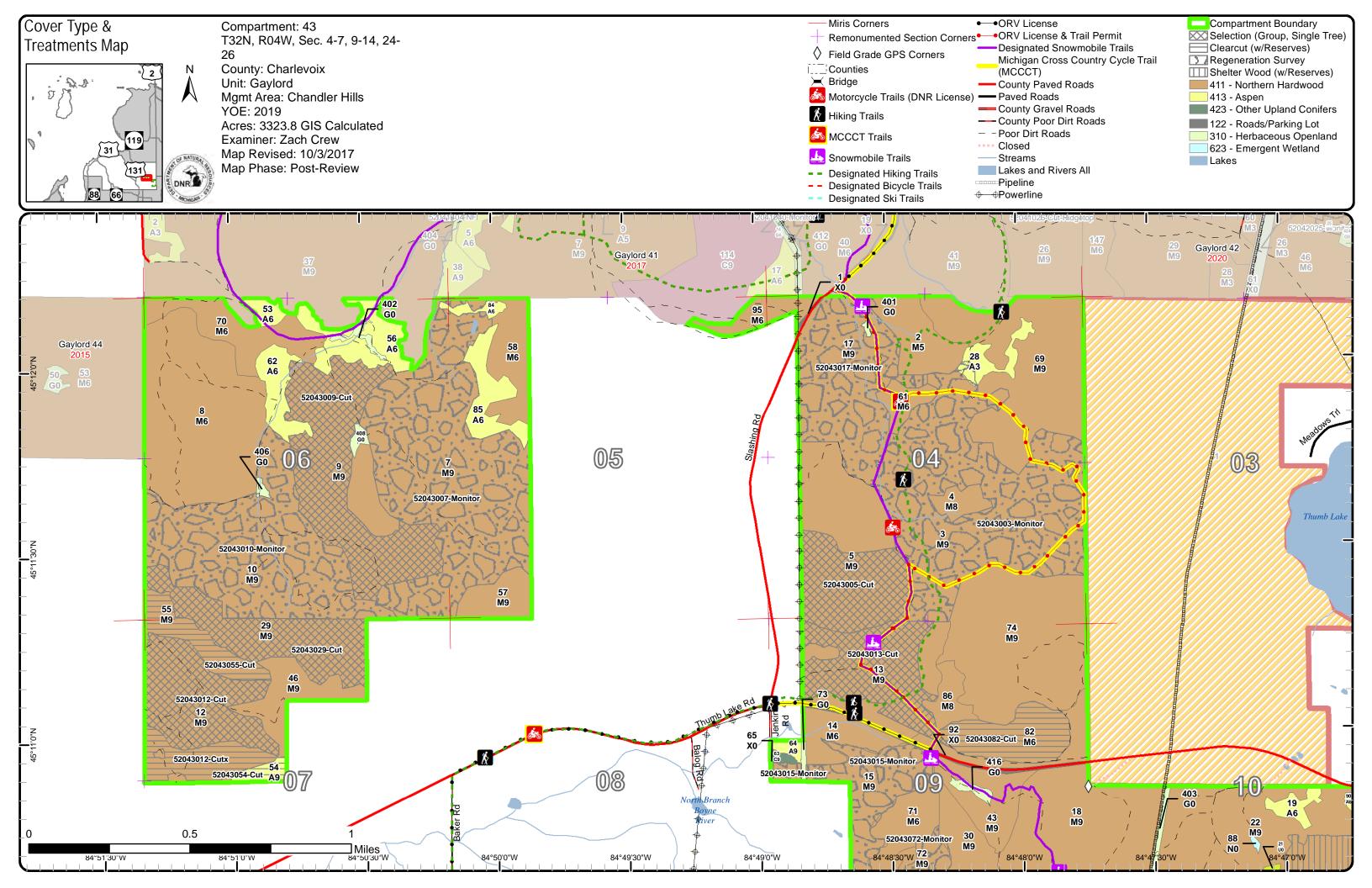
The following reports from the Inventory are attached:

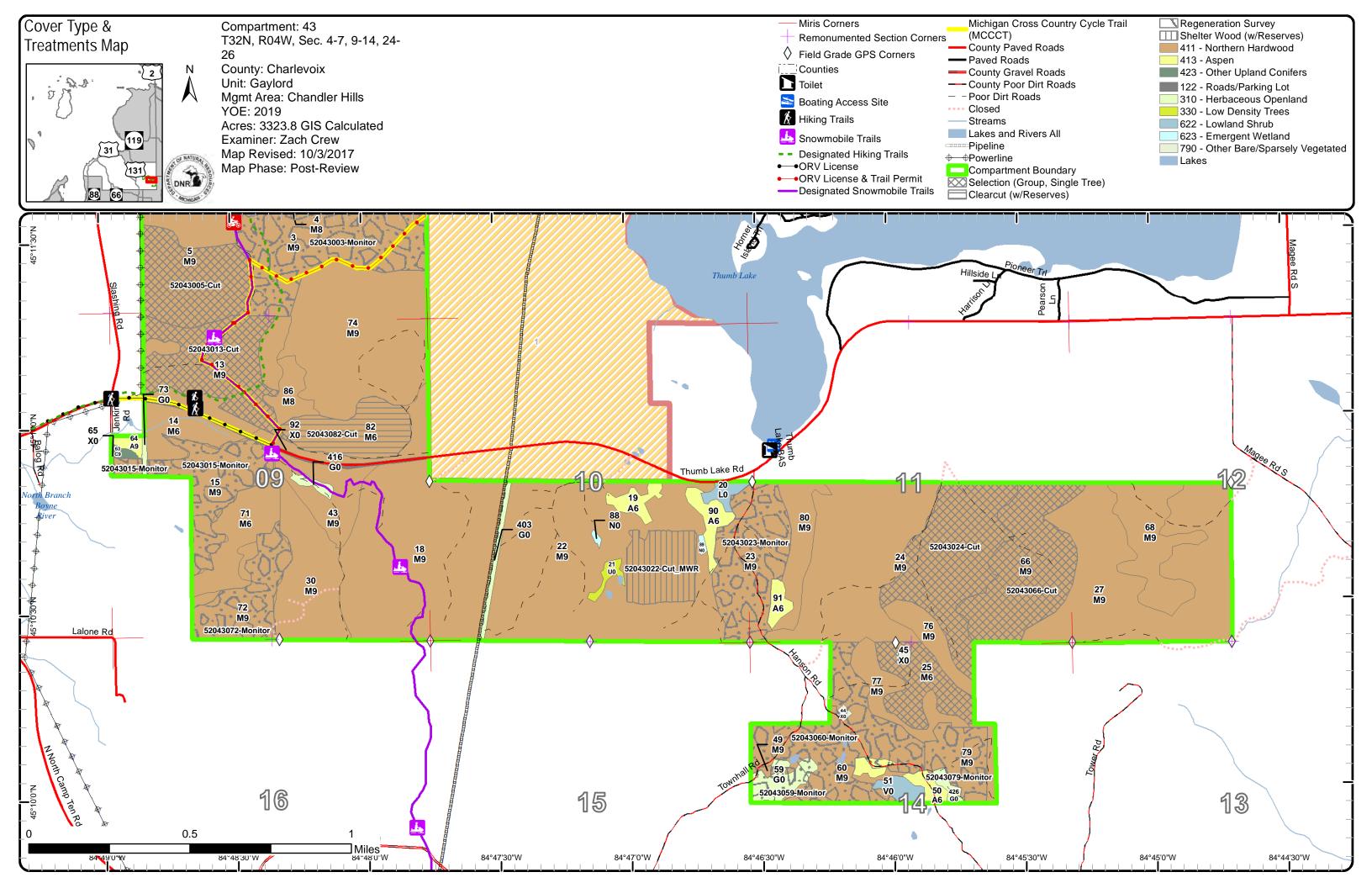
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

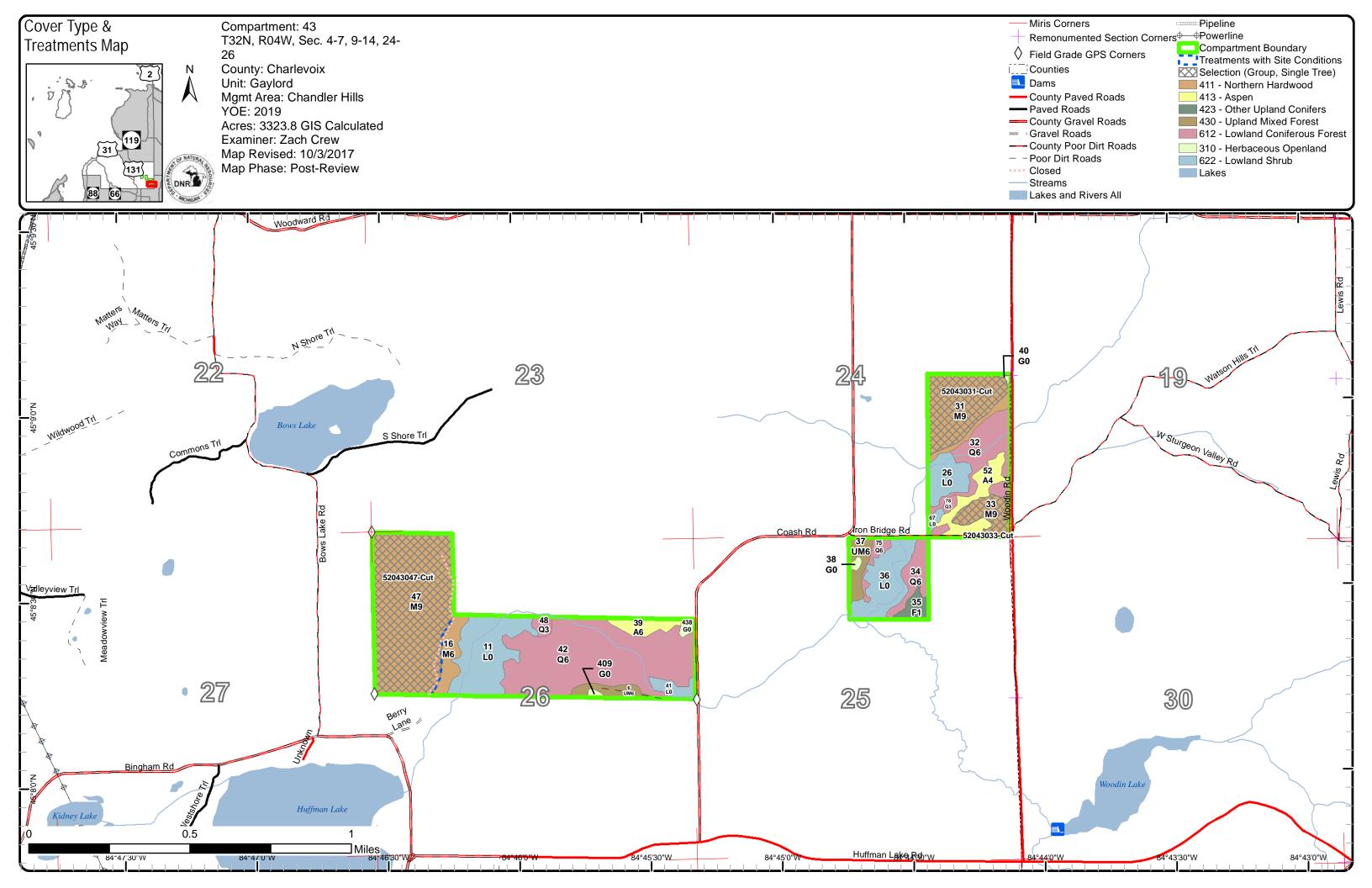
The following information is displayed, where pertinent, on the attached compartment maps:

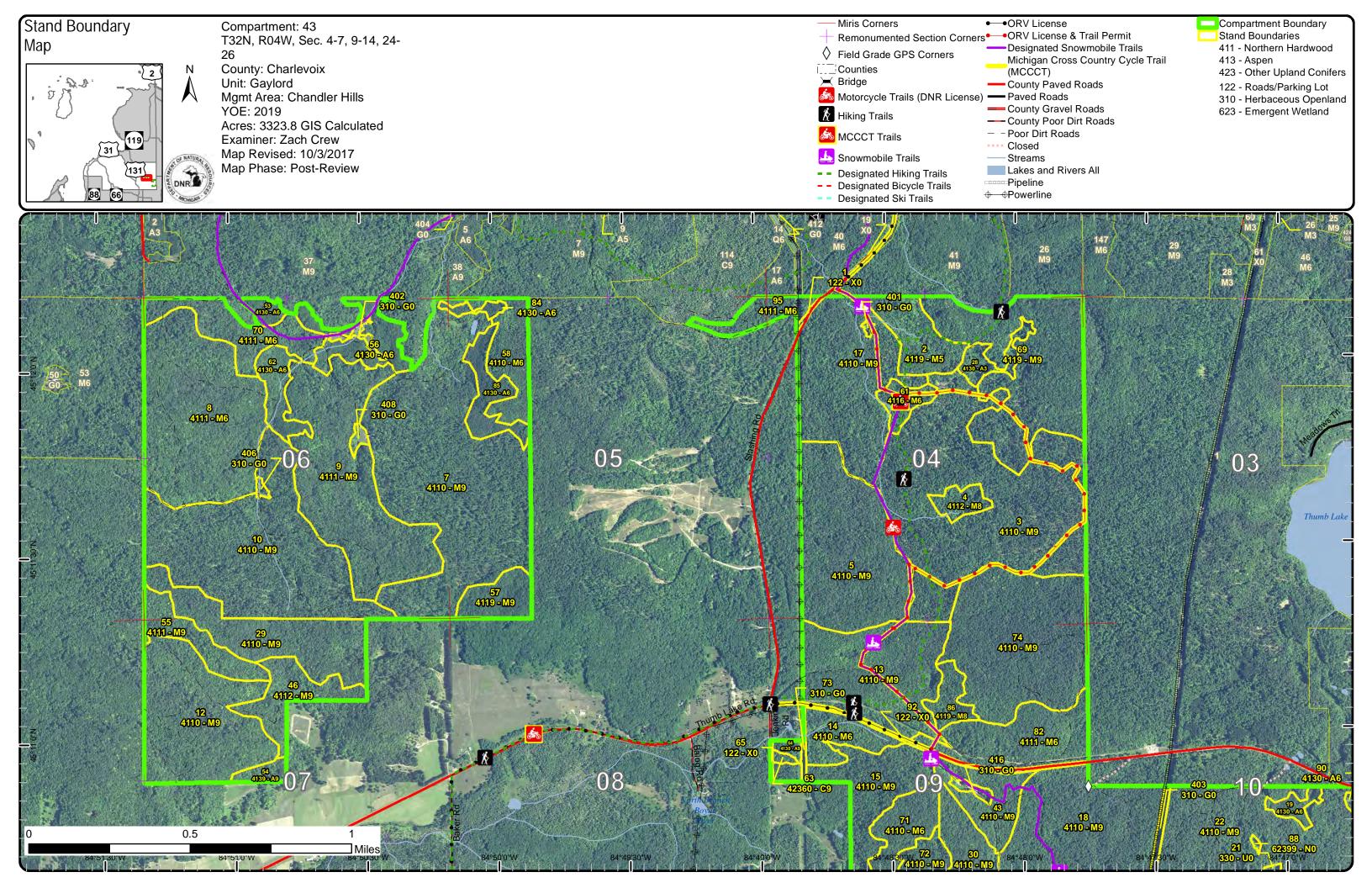
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

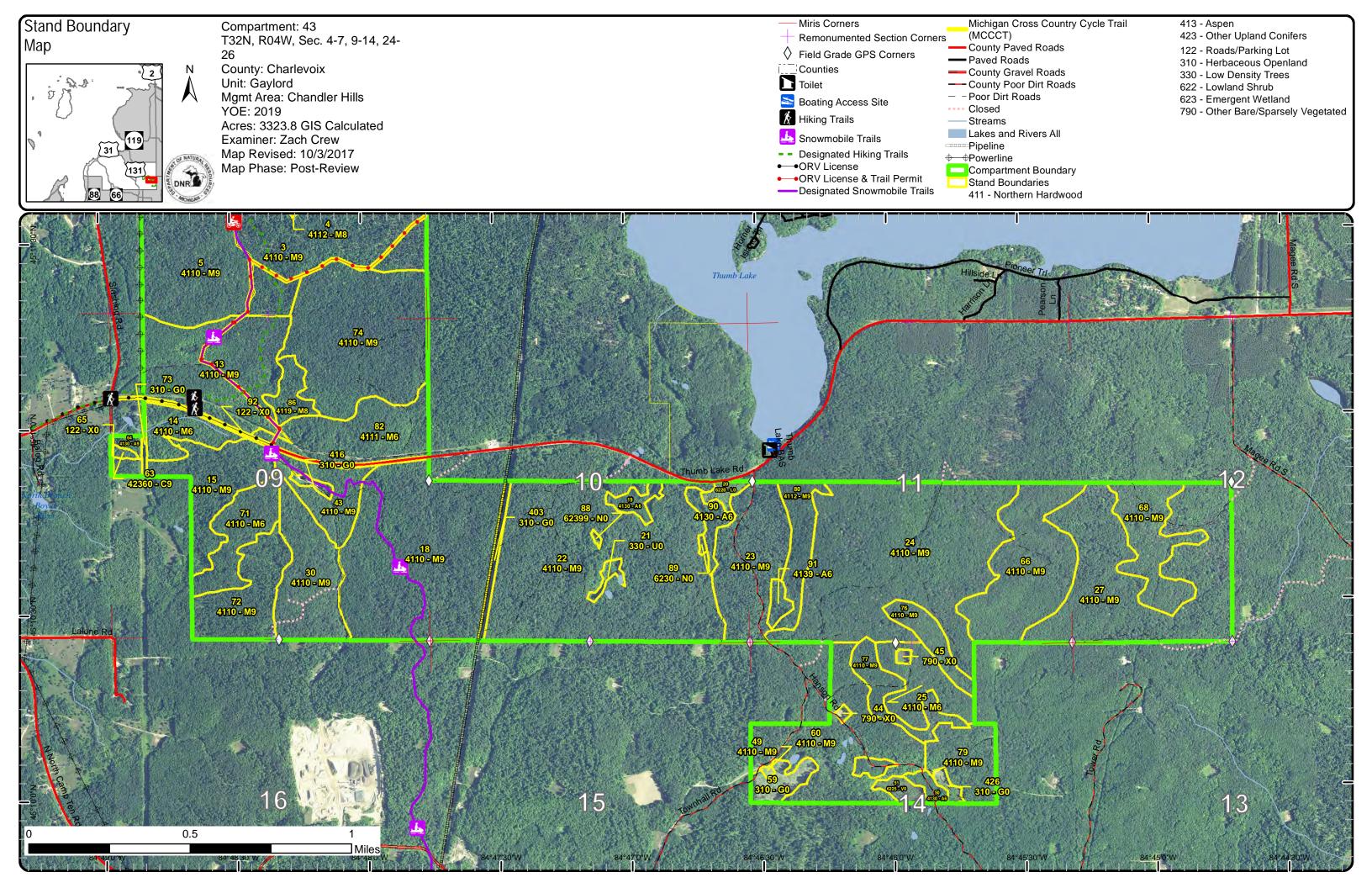


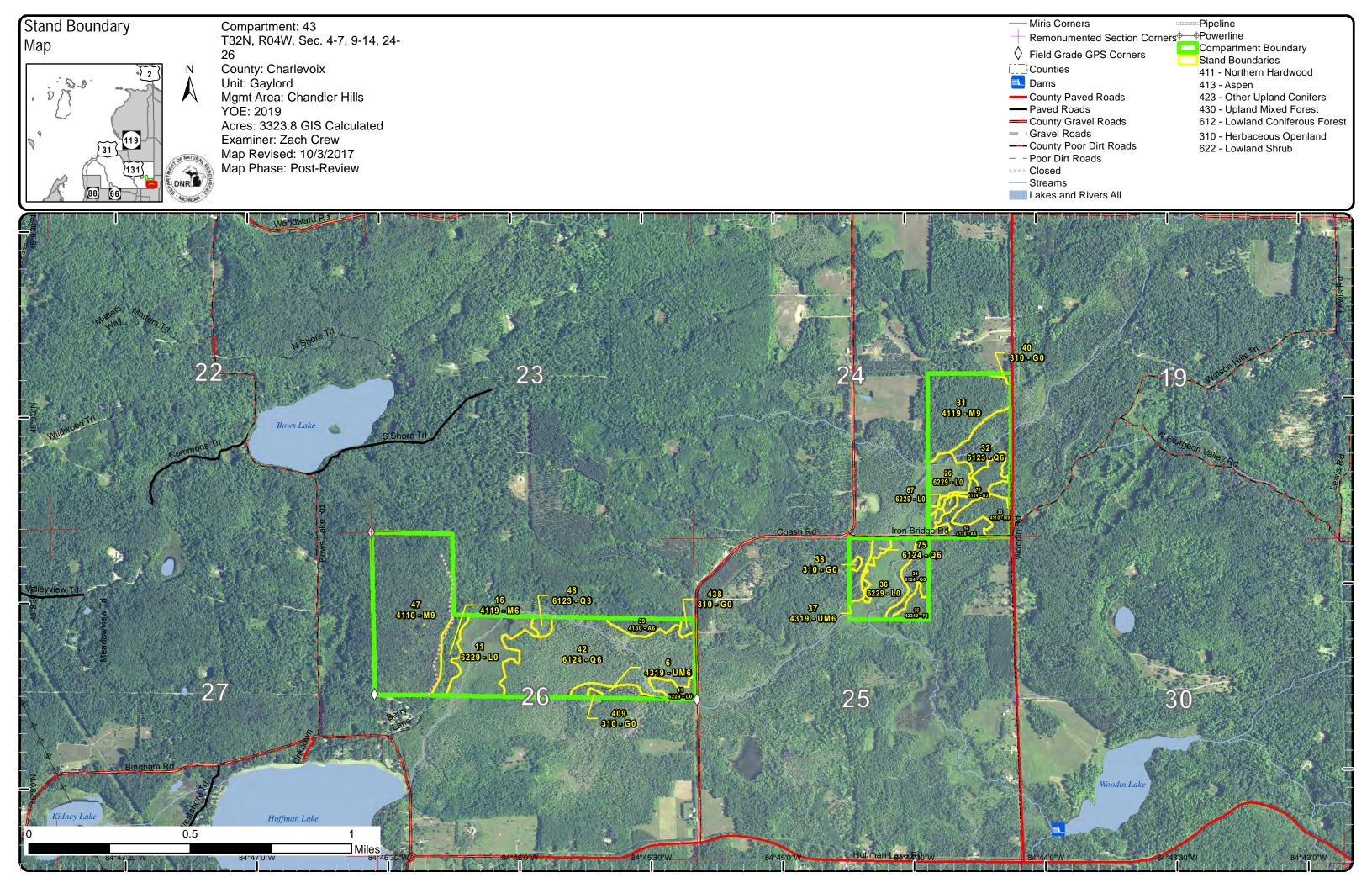


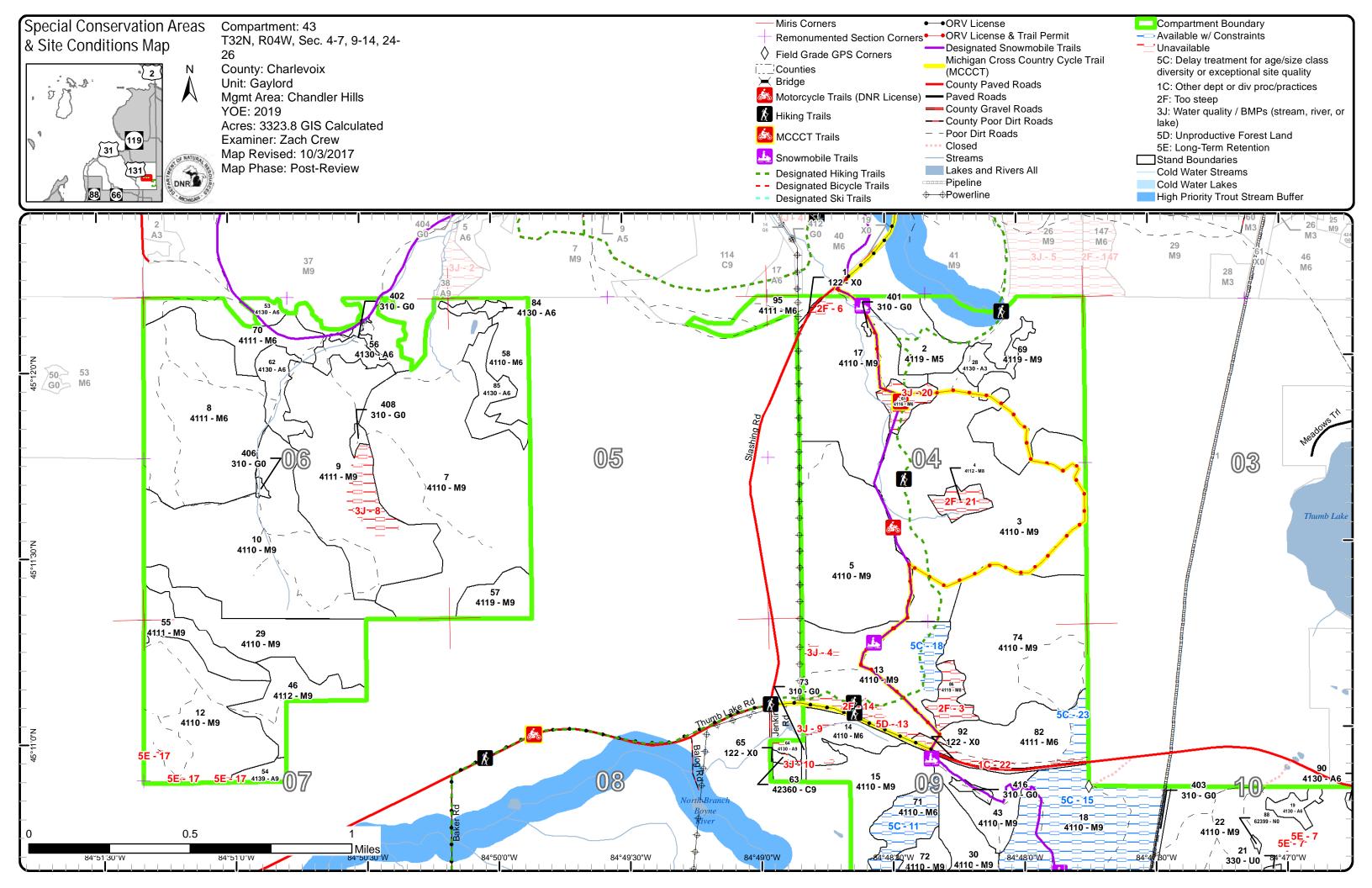


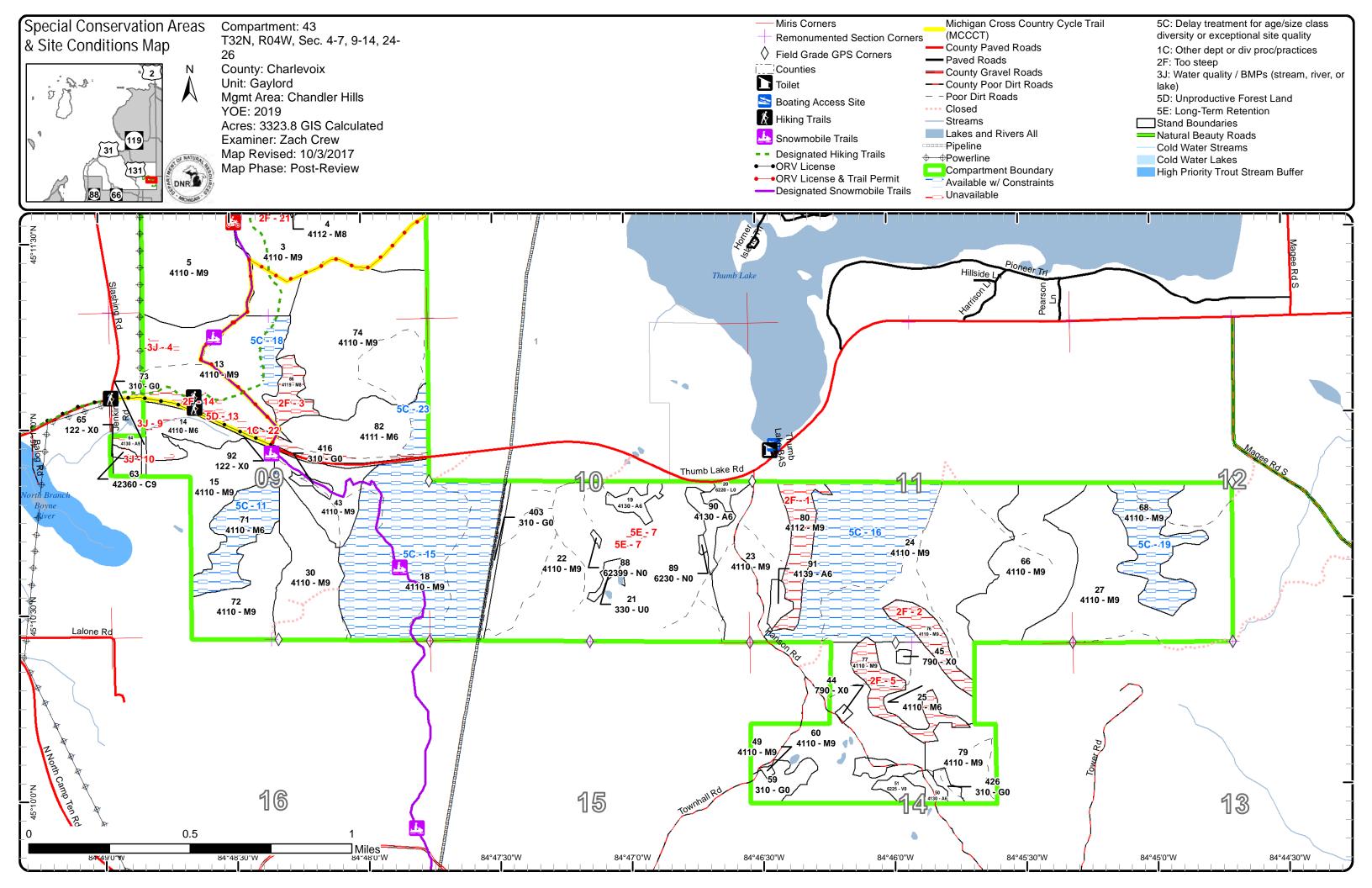


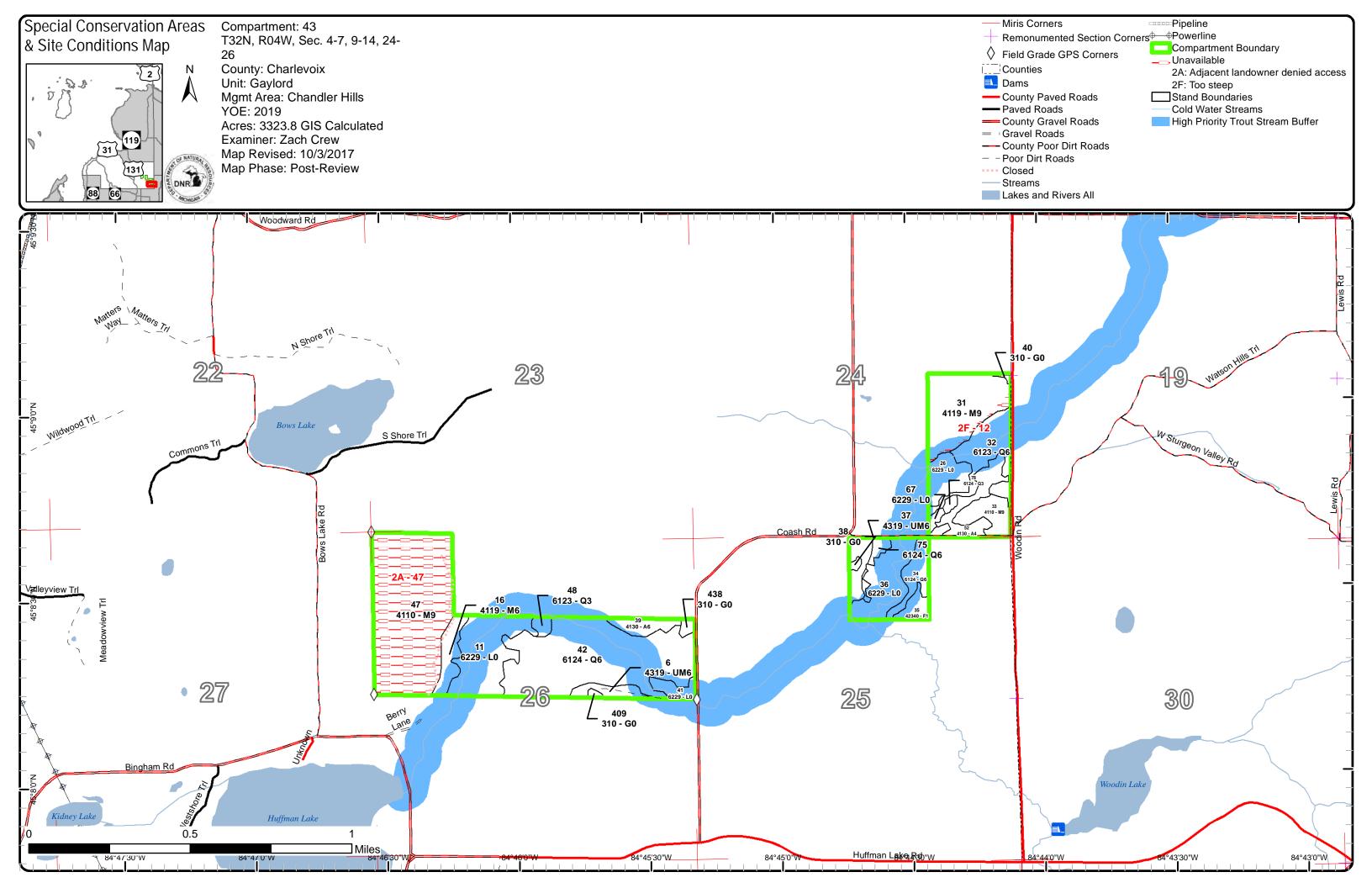












Gaylord Mgt. Unit

Zach Crew : Examiner

Compartment 43

Year of Entry 2019



Age Class

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Aspen	0	10	0	113	0	0	0	8	0	0	0	0	0	0	0	0	0	0	131
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Herbaceous Openland	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	3	0	0	3	9	89	0	0	0	0	0	0	0	0	0	0	104
Lowland Shrub	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Northern Hardwood	0	0	0	8	0	10	0	41	1349	1146	0	0	0	0	0	0	0	400	2954
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	11
Upland Spruce/Fir	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	119	10	3	125	0	13	20	138	1349	1146	1	0	0	0	0	0	0	400	3324



Report 2 – Treatment Summary

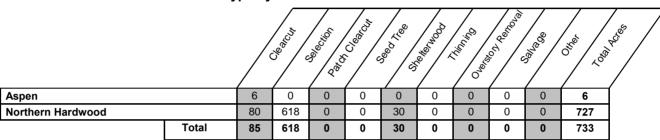
Gaylord Mgt. Unit Year of Entry: 2019

Acres of Harvest

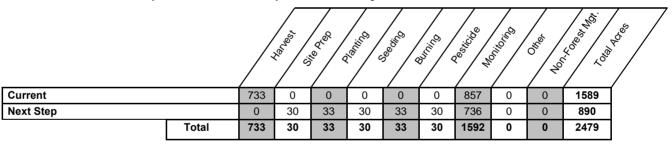
Compartment 43
Total Compartment Acres: 3,324

Commercial Harvest - 659 Harvests with Site Condition - 74 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Treatments:

Acceptable A mix of deciduous hardwood species resulting in a moderately stocked stand.

Regen:

Other Comment:

Proposed Start Date: 10/01/2018

52043009-Cut 77 100.7 4111 - S.Maple, Sawtimber 111-Harvest Single Tree 411 - Northern Uneven-Draft Field Hard Mast Well 140 Selection Hardwood Aged Boundary

Association

Habitat Cut: No Site Condition:

Prescription Mark stand with a target residual of 70-90 BA. Cut all beech except those that exhibit resistance to BBD and/or make good wildlife trees.

Establish regen gaps at least 75 feet in diameter at a rate of 2 per 5 acres. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood species similar to the canopy that meets minimum stocking requirements.

Regen:

Other Make sure to use snowmobile trail protection specs in case sale is harvested in the winter.

Comment:

Proposed Start Date: 10/01/2018

а **Treatment Approval** n Name CoverType Density Age Range Type Method Objective Structure Status d Natural Regen 10 52043010-139.0 4110 - Sugar Maple Sawtimber 411 - Northern Uneven-Draft Field 82 81-110 Monitoring Aged Association Well (Re-Inventory) Hardwood Boundary Monitor

Habitat Cut: No Site Condition:

Prescription Conduct Regen Survey

Specs:

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Next Step **Treatments:**

Acceptable Any mix of dominant canopy species that results in a well stocked stand.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/01/2019

12 52043012-Cut 60.3 4110 - Sugar Maple Sawtimber 111-Single Tree 411 - Northern Uneven-Draft Field Harvest Association 140 Selection Hardwood Well Aged Boundary

Habitat Cut: No Site Condition:

Prescription Mark stand with a target BA of 70-90. Mark out regen gaps at least 75 ft in diameter at a minimum of 1 per 5 acres. Ash will be mostly fallen out Specs:

of stand by time of marking. Mark beech to leave if they exhibit signs of bbd resistance.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of hardwood species that meets minimum stocking requirements and resembles the composition of the parent stand.

Regen:

Other Utilize snowmobile trail protection specs in case the sale is harvested in the winter.

Comment:

10/01/2018 **Proposed Start Date:**

Draft Field 52043012-25.3 4110 - Sugar Maple Sawtimber Clearcut with 4319 - Mixed Even-Aged 12 111-Harvest Cutx Association Well 140 Retention **Upland Forest** Boundary

Habitat Cut: No Site Condition:

Prescription Final harvest stand, leave all oak, mark at least 1 large beech tree per 2 acres.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of deciduous species that meets minimum stocking requirements that is not dominated by beech or ironwood.

Regen:

Other Retention areas have been roughly delineated during inventory but can be changed during sale set up as long as they don't exceed 5% of the

sale area. Utilize snowmobile trail protection specs. Comment:

Proposed Start Date: 10/01/2018

52043013-Cut 59.8 4110 - Sugar Maple Sawtimber 87 141-Harvest Single Tree 411 - Northern Even-Aged Draft Field Well 170 Hardwood Association Selection Boundary

Habitat Cut: No Site Condition:

Prescription Mark to cut stand with a residual BA target of 70-90. Mark beech to leave that show resistance to BBD and/or make good wildlife trees. Leave Specs: ash alone. Regen gaps should be at least 75 in diameter at a rate of 1 per 5 acres. Stay north and west of the hiking trail, except in SE corner of

stand where the hiking trail can be crossed by equipment on the road.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of northern hardwood species that resembles the canopy and meets minimum stocking requirements.

Regen:

Other Comment:

10/01/2018 Proposed Start Date:

Gaylord Mgt. Unit Report 3 -- Treatments Compartment: 43 s Year of Entry: 2019 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Objective Name CoverType Density Age Range Type Method Structure **Status** d Natural Regen 15 52043015-46.5 4110 - Sugar Maple Sawtimber 411 - Northern Uneven-Draft Field 75 51-80 Monitoring Association Well (Intermediate) Hardwood Aged Boundary Monitor **Site Condition: Habitat Cut: No** Prescription Specs: Next Step **Treatments:** Acceptable A mix of deciduous northern hardwood species that meet minimum stocking criteria. Regen: Other Percent to Treat = 100% Comment: **Proposed Start Date:** 10/01/2020 Natural Regen 52043017-88.3 4110 - Sugar Maple Sawtimber 83 51-80 411 - Northern Even-Aged Draft Field Monitoring Association Well (Re-Inventory) Hardwood Boundary Monitor **Habitat Cut: No Site Condition:** Prescription Specs: Next Step Treatments: Acceptable A mix of hardwood species similar in composition to the canopy that meet minimum stocking requirements. Regen: Other Percent to Treat = 100% Comment: **Proposed Start Date:** 10/01/2026 52043022-29.8 4110 - Sugar Maple Sawtimber 22 84 81-110 Harvest Shelterwood 411 - Northern Even-Aged Field Boundary Cut_MWR Association Well Hardwood **Habitat Cut: No Site Condition:** Prescription Shelterwood. The target of first harvest is to retain 50% canopy cover (~ 50 sq ft/acre) of seed bearing-sized trees of good form and of diverse, Specs: desirable species. Next Step Pesticide, Skidder/Mechanical; SitePrep, Scarification; Seeding, Hand Seed Treatments: Acceptable A diverse mix of northern hardwood species. Regen: Other Final overstory removal timing is flexible and is anticipated to occur approximately ten years after the first harvest. Comment: **Proposed Start Date:** 10/01/2016 52043023-56.3 4110 - Sugar Maple Sawtimber 81-110 Natural Regen 411 - Northern Uneven-Draft Field Monitoring Association Well (Intermediate) Hardwood Aged Boundary Monitor

Habitat Cut: No Site Condition:

Prescription Specs:

Next Step **Treatments:**

Acceptable A mix of deciduous northern hardwood species that meets minimum stocking requirements.

Regen:

Other Percent to Treat = 100%

Comment:

10/01/2020 **Proposed Start Date:**

Compartment: 43 Year of Entry: 2019

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a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status	3/
24	52043024-Cut	74.9 4	110 - Sugar Maple Association	Sawtimber Well	79	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary	

Habitat Cut: No Site Condition:

Prescription Mark to cut stand with a target residual of 70-90 BA. Establish regen gaps at least 75 feet in diameter at a minimum rate of 2 per 5 acres. Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of northern hardwood species that is similar in composition to the canopy and that meets minimum stocking requirements.

Regen:

Other Not a lot of beech in stand, can be marked to cut when needed.

Comment:

Proposed Start Date: 10/01/2018

25 52043025-Cut 28.4 4110 - Sugar Maple Poletimber 76 111-Harvest Single Tree 411 - Northern Uneven-Draft Field Association Selection Hardwood Well 140 Aged Boundary

Habitat Cut: No Site Condition:

Prescription Mark stand to cut. Target residual BA of 70-90. Establish regen gaps at least 75 feet in diameter at a minimum of 2 per 5 acres. Beech should

be marked to cut also. Do not mark ash as it has mostly fallen out of stand. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood species similar in composition to the canopy that meets minimum stocking criteria.

Regen:

Stand already marked once and not cut, may consider using a different color of paint. Other

Comment:

Proposed Start Date: 10/01/2018

52043029-Cut Draft Field 59.1 4110 - Sugar Maple Sawtimber 85 Single Tree 411 - Northern Even-Aged 141-Harvest Selection Association Well 170 Hardwood Boundary

Habitat Cut: No Site Condition:

Prescription Mark stand with a target residual of 70-90 BA. Cut all beech except those that appear resistant to BBD or that make good wildlife trees. Don't

mark any oak. Establish regen gaps at least 75 ft in diameter at a rate of 2 per 5 acres. Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of northern hardwoods species similar to the parent stand that meets minimum stocking requirements.

Regen:

Other Be sure to use snowmobile trail protection specs in case the sale is cut in the winter.

Comment:

Proposed Start Date: 10/01/2018

4119 - Mixed 52043031-Cut 27.0 76 Single Tree 411 - Northern Uneven-Draft Field Sawtimber 111-Harvest 140 Selection Hardwood Aged Boundary

Northern Hardwoods Well

Site Condition:

Prescription Re mark stand. Establish regen gaps at least 75 feet in diameter at a rate of at least 2 per 5 acres.

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Habitat Cut: No

Acceptable A mix of species similar in composition to the parent stand the meet minimum stocking requirements.

Regen:

Other Stand was marked 10 years ago, may want to mark again in a different color.

Comment:

Proposed Start Date: 10/01/2018

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a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
33	52043033-Cut	9.3	4110 - Sugar Maple Association	Sawtimber Well	78	111- 140	Harvest	Group Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary

Habitat Cut: No Site Condition:

Prescription Mark stand to cut with a residual BA of 70-90. Establish regen gaps at least 75 feet in diameter at a rate of at least 2 per 5 acres. Try to Specs:

concentrate these gaps around pockets of over mature basswood where possible.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of species similar in composition to the parent stand that meets minimum stocking requirements.

Regen:

S

Other Focus selection efforts on over mature basswood.

Comment:

Proposed Start Date: 10/01/2018

47 52043047-Cut 73.7 4110 - Sugar Maple Sawtimber 111-Harvest Single Tree 411 - Northern Uneven-Draft Field Association Well Selection Hardwood 140 Aged Boundary

Habitat Cut: No Site Condition: Denied Access

Prescription Mark stand down to 70-90 BA. Follow the complete marker guide. Establish regen gaps at least 75 feet in diameter at a rate of no less than 1

per 5 acres. Mark 1-2 bbd resistant beech or wildlife trees to leave per acre. Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A mix of deciduous species dominated by maple that meet minimum stocking requirements.

Regen:

Other May lose acreage from stand due to steep slopes in the SE portion of the sale. No way to access sale at this time.

Comment:

Proposed Start Date: 10/01/2018

54 52043054-Cut 5.5 4139 - Aspen, Sawtimber 63 51-80 Harvest Clearcut 413 - Aspen Even-Aged Draft Field Mixed Deciduous \/\ell Boundary

Habitat Cut: No Site Condition:

Prescription Final harvest stand, no retention due to small stand size.

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of aspen, red maple, beech, and cherry that is dominated by aspen and meets stocking requirements.

Regen:

Other Utilize snowmobile trail protection specs.

Comment:

Proposed Start Date: 10/01/2018

52043055-Cut 22.1 4111 - S.Maple, Sawtimber 72 111-Clearcut with 4199 - Other Draft Field Harvest Even-Aged Mixed Upland Hard Mast Well 140 Retention Boundary Association Deciduous

Site Condition:

Prescription Final harvest stand, cut all trees except for Red Oak and mark 1-2 beech per acre that exhibit resistance to BBD and/or would be good wildlife

Specs:

Habitat Cut: No

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable A mix of deciduous species that meets minimum stocking requirements that isn't dominated by beech.

Regen:

Utilize snow mobile trail protection specs. Other

Comment:

Proposed Start Date: 10/01/2018

Gaylord Mgt. Unit Report 3 -- Treatments Compartment: 43 s Year of Entry: 2019 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d Natural Regen 59 52043059-11.2 310 - Herbaceous 413 - Aspen Draft Field Nonstocked 0 Unspec Monitoring Even-Aged Openland ified (Re-Inventory) Boundary Monitor **Site Condition: Habitat Cut: No** Prescription Specs: Next Step **Treatments:** Acceptable A mix of deciduous species dominated by aspen that meets minimum stocking requirements. Regen: Other Percent to Treat = 100% Comment: **Proposed Start Date:** 10/01/2016 60 52043060-76.3 4110 - Sugar Maple Sawtimber 83 81-110 Natural Regen 411 - Northern Uneven-Draft Field Monitoring Association Well (Intermediate) Hardwood Aged Boundary Monitor **Habitat Cut: No Site Condition:** Prescription Specs: Next Step Treatments: Acceptable A mix of deciduous northern hardwood species that meet minimum stocking standards. Regen: Other Percent to Treat = 100% Comment: **Proposed Start Date:** 10/01/2020 52043066-Cut Draft Field 70.4 4110 - Sugar Maple Sawtimber 79 111-Harvest Single Tree 411 - Northern Uneven-Association Well 140 Selection Hardwood Aged Boundary **Habitat Cut: No Site Condition:** Prescription Mark to cut stand with a target residual BA of 70-90. Establish regen gaps at least 75 feet in diameter at a rate of roughly 2 per 5 acres. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable A mix of northern hardwood species similar in composition to the canopy and that meets minimum stocking requirements. Regen: Other Consider establish regen gaps next too or around large crowned red oak present to attempt to develop some red oak regeneration. Salvage all Comment: beech. **Proposed Start Date:** 10/01/2018 52043072-72 35.2 4110 - Sugar Maple Sawtimber 78 Draft Field 51-80 Monitoring Natural Regen 411 - Northern Uneven-Well Hardwood Monitor Association (Intermediate) Aged Boundary **Habitat Cut: No Site Condition: Prescription**

10/02/2017 3:18:58 PM - Page 6 of 7

Proposed Start Date:

Percent to Treat = 100%

10/01/2020

Acceptable Any mix of deciduous northern hardwood species that meet minimum stocking requirements.

Specs:

Next Step

Treatments:

Regen:

Other Comment:

Gaylord Mgt. Unit Report 3 -- Treatments Compartment: 43 s Year of Entry: 2019 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type Approval** Age n Method Objective d Name CoverType Density Age Range Type Structure **Status** 79 52043079-22.4 4110 - Sugar Maple Sawtimber 79 81-110 Natural Regen 4116 - Mixed N. Uneven-Draft Field Monitoring Monitor Association Well (Intermediate) Hardwood Aged Boundary Aspen **Site Condition: Habitat Cut: No** Prescription Specs: Next Step Treatments: Acceptable A mix of deciduous species that meets minimum stocking requirements. Regen: Percent to Treat = 100% Other Comment: **Proposed Start Date:** 10/01/2020 72 4119 - Mixed Draft Field 52043082-Cut 32.5 4111 - S.Maple, Poletimber 111-Harvest Clearcut with Even-Aged Hard Mast Well 140 Retention Northern Boundary Association Hardwoods **Habitat Cut: No Site Condition:** Prescription Final harvest stand, leave all oak for mast production and seed source Specs:

Next Step Monitoring, Natural Regen (Intermediate); Burn, Understory; Monitoring, Natural Regen (Intermediate); Planting, Interplant

Treatments:

Acceptable A mixture of northern red oak, sugar maple, red maple, basswood, and beech that meets minimum stocking criteria and isn't dominated by

Regen: ironwood.

Other No need to include 2 inch spec, some pockets of 2-4 desirable saplings, be sure to evenly distribute slash for potential RX Burn in 2-4 years post

Comment: harvest.

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed:

1589.3

Compartment: 43

Gaylord Mgt. Unit

Zach Crew : Examiner Year of Entry: 2019

Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	s		
Acres	Available	With Condition	Not Available		5C	1C	2A	2F	3J	5D	5E
130	129	0	1	Aspen					1		
2	2	0	0	Bare/Sparsely Vegetated							
5	5	0	0	Bog							
1	1	0	1	Cedar					1		
34	33	0	0	Herbaceous Openland					0		
3	3	0	0	Low-Density Trees							
105	105	0	0	Lowland Conifers							
65	65	0	0	Lowland Shrub							
1	1	0	0	Marsh							
2953	2414	335	204	Northern Hardwood	335	9	73	86	31	3	3
11	11	0	0	Upland Mixed Forest							
4	4	0	0	Upland Spruce/Fir							
8	8	0	0	Urban							
3,324	2,783	335	206	Total Forested Acres	335	9	73	86	32	3	3
	84%	10%	6%	Relative Percent					-		-

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Gaylord Mgt. Unit

Compartment: 43 Year of Entry: 2019 Zach Crew : Examiner

3	Unavailable	2F: Too steep	11	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
	Comments: Low quality west fa	cing slope, lots of open grown b	peech a	and brush. Majority of stand	d would be unable to cut ev	en if it was a high quality h	ardwood stand.
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	2F: Too steep	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Seasonally intermit Walters/Roloff rese	tent water course (west poly) a earch treatment.	nd valle	ey bottom water catch with s	soft/wet ground featuring ti	o-ups (east poly). Both exc	cluded from
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Gaylord Mgt. Unit Zach Crew : Examiner

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
	comments: Stand should have	been harvested with adjacent s	tands 1	5 and 72.			
12	Unavailable	2F: Too steep	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	comments: ast side small ste	ep slope that drops down into th	ne swar	np, west side has a few wet p	ockets and seeps that v	vould make harvesting not	feasible.
13	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
5		poor quality portion of stand that county gave the logger permission			o thumb lake road, not r	oom for equipment to oper	ate at the bottom of
14	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Gaylord Mgt. Unit Zach Crew : Examiner

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	148	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
5	Some areas a little	sparse (Average BA only 112)	Unless	acres needed consider ho	lding stand until next YOE.		
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	101	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Delay this portion of	of stand 13 until the adjacent sta	ınd 74 is	harvested so as not to int	erfere with recreation value	es by having equipment cr	oss the NCT
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Gaylord Mgt. Unit

Compartment: 43 Year of Entry: 2019 Zach Crew : Examiner

21	Unavailable	2F: Too steep	9	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
22	Unavailable	1C: Other dept or div proc/practices	8	Unspecified	Unspecified	Unspecified	Unspecified
L		ely stocked area between pipelir ROW along thumb lake road.	ne and t	numb lake road, would be d	fficulty to operate equipm	ent in this area without co	nsent from the county
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
F	Comments: Portion of stand related	moved from Burn Unit due to th	e natura	ıl fuel break provided by the	existed North/South fores	t road that forms the west	ern boundary of this
47	Unavailable	2A: Adjacent landowner denied access	73	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	Unspecified	Unspecified
(Comments:						

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Compartment: #Type! Year of Entry:

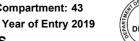


Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Gaylord Mgt. Unit Compartment: 43
Year of Entry 20





Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservati Area	ion Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area			
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish speconditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	cies to persist from year to year. Suitable ney are relatively deep, have substantial f the state. Such lakes are established by			
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen constocked trout populations and those of other coldwater fish speryear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	cies (e.g., slimy sculpin) to persist from ese conditions due to substantial			
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and the	ne unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well			
SCA	Visual Management Area	An area of general social appreciation that is managed to recog Examples of these areas include scenic vistas, scenic or natura				

s t	Gaylord		Report 7	– Forested	Stands Compartment: 43 Year of Entry: 2019	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4119 - Mixed Northern Hardwoods	Poletimber Medium	26.8	69	81-110	Poor quality low lying area, two streams run through stand. Around streams pockets of cedar and yellow birch dominate.
3	4110 - Sugar Maple Association	Sawtimber Well	187.3	76	51-80	Sale harvested as part of Megalo Hardwoods in 2015/2016 by multiple different companies. Beech and ash salvaged as part of contract addendum. Sale looks pretty good, roads in the area are in very poor condition
4	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	8.5	72	51-80	Open grow trees on ridge top and south facing slope. Lots of ironwood, beech, and poor quality red maple.
5	4110 - Sugar Maple Association	Sawtimber Well	98.1	78	81-110	Some blowdown in north end. Sled and motorcycle trail on east edge. Delay cutting for 10 years to spread out cutting in this section. Lots of ash falling out of stand especially in the north end. Some steep hills in the north as well. Better quality in the south end of the sale.
6	4319 - Mixed Upland Forest	Poletimber Well	5.1	58	81-110	Wet, small upland ridge, Patches of fir, lowland hardwood and lowland brush.
7	4110 - Sugar Maple Association	Sawtimber Well	193.5	82	51-80	Noble Hardwoods sale, harvested in 2014/15. Ash and beech salvaged. Several streams start in the center of the stand and flow out to the north. Old railroad washed out due to one of those streams.
8	4111 - S.Maple, Hard Mast Association	Poletimber Well	118.2	73	81-110	Patchy stocking. Lots of ash fallen out of canopy. Pockets of clumpy red maple and beech especially on south and west facing slopes.
9	4111 - S.Maple, Hard Mast Association	Sawtimber Well	115.9	77	111-140	Cut in early 90's. Landings and skid trails more open than usual. Hilly. Sale cut in 96. East side of stand south of stand 408 has a creek running through it. Red maple concentrated in the NW. Yellow Birch found along the east side of the stand uphill from the creek.
10	4110 - Sugar Maple Association	Sawtimber Well	139.0	82	81-110	Thinned in 2014/15 as part of baby badger hardwood sale with adjacent stand to the west (Stand 11). Canopy data is based on quick walkthrough when the stand was closed and the old OIPC data. Next YOE this stand will need some QD and a regen survey.
12	4110 - Sugar Maple Association	Sawtimber Well	87.4	79	111-140	South 1/4 of stand very poor quality/stocked south facing slope. Occasional Red Oak logs scattered throughout. Beech and Red Maple concentrated in the South 1/4 of stand.
13	4110 - Sugar Maple Association	Sawtimber Well	81.4	87	141-170	Nice looking stand. Ready for a single tree selection cut.
14	4110 - Sugar Maple Association	Poletimber Well	19.6	73	81-110	Low Quality Ridges, stand divided by two steep ravines with seeps and perennial streams.
15	4110 - Sugar Maple Association	Sawtimber Well	46.0	75	51-80	Select Cut 2014 (Jenkins Hardwood) Residual BA 72 - Lower where ash and beech salvaged. Good aspen regen where large gaps present. Large crowned oak present.

S t	Gaylor	d Mgt. Unit		Report 7	Forested	Stands Compartment: 43 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4119 - Mixed Northern Hardwoods	Poletimber Well	8.0	24	1-50	Transition zone between hardwoods and swamp. Lots of sap/pole sized red maple, birch, and some aspen. Looks like stand may have been cut but stumps long gone (perhaps area flooded previously due to beaver activity?) Healthy regenerating stand. East side transitions to tag alder and balsam fir.
17	4110 - Sugar Maple Association	Sawtimber Well	87.1	83	51-80	Stand harvested in 2013 as part of Megalo Hardwoods. North end of stand not marked due to steepness and streams
18	4110 - Sugar Maple Association	Sawtimber Well	148.2	80	111-140	Harvested in 2003. Good quality throughout stand. Some areas a little sparse. Average BA 112.
19	4130 - Aspen	Poletimber Well	6.3	26	Immature	Cut in 1991 Dereloping Aspen stand good component of SM and Chery
22	4110 - Sugar Maple Association	Sawtimber Well	197.9	84	81-110	Sale marked, harvested and closed 9/2003. Some steep areas left for retention. Stand growing nicely Scattered Yellow Birch, Black Cherry and Basswood. Lots of browse damage. Average BA 104.
23	4110 - Sugar Maple Association	Sawtimber Well	56.5	85	81-110	Stand thinned in 2013 as part of Sweet Hardwoods sale
24	4110 - Sugar Maple Association	Sawtimber Well	176.3	79	111-140	BA = 116. Rolling hills throughout stand, road access is difficult and limited. Thinned previously in 2003. Decent looking stand just starting to develop into sawlogs.
25	4110 - Sugar Maple Association	Poletimber Well	28.2	76	111-140	Needs some TSI. Localized ash. Cut on ridges and draws, leave steep slopes for retention. Logs are small. Stand marked with the rest of Sweet Hardwoods, but never cut.
27	4110 - Sugar Maple Association	Sawtimber Well	127.6	77	81-110	Thinned in 2002. Decent quality hard maple present, a few scattered oak. Stand must of been thinned pretty hard or its not the best growing ground, appears to be a slow response to the thinning. Sugar maple seedlings present in pockets, but show heavy signs of deer browse. BA = 92
28	4130 - Aspen	Sapling Well	9.6	4	Immature	Aspen pocket harvested 2013 as part of Megalo Hardwood Sale (52-023-09-01). Lots of big tooth coming back well. Oak left uncut. Lots of browse on Red Maple and Striped Maple.
29	4110 - Sugar Maple Association	Sawtimber Well	59.2	85	141-170	Nice quality log stand, a few ridges and slopes, but nothing that would inhibit logging activity. Occasion Red Oak saw log, mostly towards the west side of the stand.
30	4110 - Sugar Maple Association	Sawtimber Well	48.1	84	81-110	Cut 20 years ago. Some severe slopes were left uncut, making for erratic stocking. Cut areas look good. Property staked along south edge. Nice looking stand Dead standing Ash brings down BA. BBD present Workable terrain for the most part. Average BA of 104

s t	Gaylord Mgt. Unit			Report 7	- Forested	Stands Compartment: 43 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4119 - Mixed Northern Hardwoods	Sawtimber Well	30.5	76	111-140	Stand was part of sale Sweet Hardwoods (52-001-10-01). Stand never harvested and returned to the state. Paper Birch/Yellow Birch/Fir/Hemlock/Aspen concentrated in the south towards lowland areas.
32	6123 - Lowland Fir	Poletimber Well	18.2	64	51-80	Lowland very wet, bisected by the West Branch Sturgeon River. Black ash is almost all dead and falling out of stand, incredibly variable stocking and age.
33	4110 - Sugar Maple Association	Sawtimber Well	9.3	78	111-140	Stand set up 2009 as part of Sweet Hardwoods (52-001-10-01). Stand not cut and returned to the state. Lots of over mature basswood present.
34	6124 - Lowland Spruce- Fir	Poletimber Well	9.2	57	51-80	Lowland stand similar to other lowland types in the area, sporadic stocking due to blow down and dead black ash.
35	42340 - Upland Spruce/Fir	Sapling Poor	4.3	20	Immature	Regenerating stand, doesn't appear to be any beaver activity, maybe old RR grade that bisects stand altered water table flow? Tag alder present as well. 1/2 acre inclusion of stocked Q type on south boundary of stand.
37	4319 - Mixed Upland Forest	Poletimber Well	6.0	58	81-110	Feeder streams present, running to the east towards the river, some wet pockets along the east edge as well.
39	4130 - Aspen	Poletimber Well	5.7	24	Immature	Stand harvested in 92. Good looking regen, some conifer component left, nice pockets of paper birch regen in the SW. Most of the cedar left has blown over.
42	6124 - Lowland Spruce- Fir	Poletimber Well	71.1	62	51-80	Wet, lots of mortality, mostly dead black ash and some dead cedar and balsam fir. erratic stocking due to mortality, some decent pockets of regen.
43	4110 - Sugar Maple Association	Sawtimber Well	25.7	82	81-110	Lower Quality north of opening. Picked up Some Aspen/Oak/Bluck Cherry-BBD present Average BA 68
46	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.2	72	81-110	Low quality south and east facing slope. Lots of clumpy red maple and basswood. Some beech present.
47	4110 - Sugar Maple Association	Sawtimber Well	73.7	72	111-140	Some steep slopes presentA few patches of walk-through. Some clumps and defect. Access will be highly problematic. Overall decent quality timber throughout.
48	6123 - Lowland Fir	Sapling Well	2.1	12	Immature	Regenerating stand, formerly flooded due to beaver activity.
49	4110 - Sugar Maple Association	Sawtimber Well	0.7	83	81-110	Several vernal ponds in the stand, located in the south eat towards stand 51. Residual BA 84. Stand cut in 2015 as part of Sweet Hardwoods. Pockets of decent Big Tooth aspen on south facing slopes in the east side of the stand.
50	4130 - Aspen	Poletimber Well	8.3	27	Immature	Elk sign. Beaver activity. Aspen cut in 1990. Quaking aspen found towards stand 51. Good looking cherry regen.

S t				Report 7	- Forested	Stands Compartment: 43 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	4130 - Aspen	Poletimber Poor	11.2	27	1-50	Nice looking regen, dominated by quaking aspen, occasional conifer component left from previous cut.
53	4130 - Aspen	Poletimber Well	5.0	26	Immature	OI Stand Year Origin was 1991
54	4139 - Aspen, Mixed Deciduous	Sawtimber Well	5.5	63	51-80	South facing slope, portion of old stand 12 that was broken out due to the dominance of big tooth aspen.
55	4111 - S.Maple, Hard Mast Association	Sawtimber Well	22.1	72	111-140	South facing slope, larger quantity of low quality beech and red maple. Clumps common. Sugar Maple exhibits poor growth and form. Red Oak present, good quality.
56	4130 - Aspen	Poletimber Well	25.7	26	Immature	OI Stand Year Origin was 1991
57	4119 - Mixed Northern Hardwoods	Sawtimber Well	17.7	79	81-110	Some steep slopes that would be hard to operate on due to location of private boundary. Good stand for mast production due to large crowned oak/beech. Maple clumpy/low quality in spots.
58	4110 - Sugar Maple Association	Poletimber Well	25.1	78	81-110	Decent stand of hardwood timber, lack of access due to the terrain to the west and south.
60	4110 - Sugar Maple Association	Sawtimber Well	76.2	83	81-110	Several vernal ponds in the stand, located in the south eat towards stand 51. Residual BA 84. Stand cut in 2015 as part of Sweet Hardwoods. Pockets of decent Big Tooth aspen on south facing slopes in the east side of the stand.
61	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	9.7	48	51-80	Inconsistent stocking. Hardwood is mediocre. Seep and stream run through the center of the stand.
62	4130 - Aspen	Poletimber Well	15.6	26	Immature	OPIC - FMD: OI Stand Year Origin was 1991
63	42360 - Upland Cedar	Sawtimber Well	1.4	95	171-200	Stream running through stand, lots of water flow, even if we had a workable winter, probably too much flowing water and BMP issues to be considered for any type of harvest.
64	4130 - Aspen	Sawtimber Well	2.6	64	51-80	Stocking fairly patchy, lots of cherry/red maple brush, scattered decent clones of Quaking Aspen. Stream forms southern boundary of stand. Too small for commercial cutting, perhaps we could do some wildlife treatments in the area with volunteers?
66	4110 - Sugar Maple Association	Sawtimber Well	70.4	79	111-140	BA = 121. Stand coded as too steep last YOE. There are some steep slopes in the sale that could be avoided. Access will be difficult. A few sparse low quality south facing slopes as well dominated by beech. Large crowned Oak present.
68	4110 - Sugar Maple Association	Sawtimber Well	38.9	76	111-140	Stand broken out of stand 27 last YOE as too steep. May have also been an area of low BA due to BA's still slightly below stocking threshold for thinning (116).

S t	Gaylord	l Mgt. Unit		Report 7	Forested	Stands Compartment: 43 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	4119 - Mixed Northern Hardwoods	Sawtimber Well	99.4	80	81-110	SEVERELY STEEP IN PLACES. PLENTY OF OAK IN THE NORTH. Lack of drivable access from West or the North, southwest corner of stand that was accessible was salvaged in 2016 (Phils Hills Sale).
70	4111 - S.Maple, Hard Mast Association	Poletimber Well	32.7	75	51-80	Patchy stocking. Some blowdown on ridgetops which are more sparse to begin with. White ash beginning to snap off standing or tip over.
71	4110 - Sugar Maple Association	Poletimber Well	29.5	75	111-140	Previous comments state that stand was broken out due to steepness, not sure that is very accurate. Some steep slopes present but majority of stand is workable. Ridges display lower quality than surrounding stands, Ash die off prevalent. Large crowned oak present.
72	4110 - Sugar Maple Association	Sawtimber Well	39.4	78	51-80	Select cut 2014 (Jenkins Hardwood). Residual BA - 76, lower where Ash/Beech Salvaged, and where aspen species cut. Aspen sprouting thick in larger gaps. Large crowned Oak present.
74	4110 - Sugar Maple Association	Sawtimber Well	111.3	83	81-110	Stand looks to have been cut 2 cycles ago. Would be ready for another harvest however due to EAB all the Ash are gone. Roughly 30-40 percent of Ash either already on the ground or have tops broken out 30-50 feet up.
75	6124 - Lowland Spruce- Fir	Poletimber Well	2.9	47	51-80	Similar in composition to most of the lowland stands in the area, lots of dead black ash, blowdown, some pockets of decent regen.
76	4110 - Sugar Maple Association	Sawtimber Well	14.8	83	111-140	Stand has been avoided during two different harvesting operations due to steepness. From a field assessment there are portions of the stand that could be harvested but it would be extremely difficult and only probably half or less of the stand could be harvested. Recommended last YOE to leave stand as a repository for large snags, large trees, and CWD recruitment. Nicer quality timber on north side of stand.
77	4110 - Sugar Maple Association	Sawtimber Well	19.6	75	81-110	I suggest that we leave it unmanaged as a reservoir for snags, coarse woody debris, old growth values and for better age class distribution.
78	6124 - Lowland Spruce- Fir	Sapling Well	1.1	15	Immature	Small stand broken out to highlight swamp conifer regen occurring in this compartment (especially cedar) where old beaver flooding present. Age is a rough estimate using available aerial imagery.
79	4110 - Sugar Maple Association	Sawtimber Well	27.1	79	81-110	Lots of Aspen cut out of stand, but still a decent amount left, Residual BA of 84 post harvest. Stand harvested in 2015 as part of Sweet Hardwoods.
80	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.5	75	111-140	Steep west facing slope Products and topo probably make it economically undesirable

S t	Gaylord	l Mgt. Unit		Report 7	Forested	Stands Compartment: 43 Year of Entry: 2019	a ESOURCE
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	"
82	4111 - S.Maple, Hard Mast Association	Poletimber Well	47.7	72	111-140	South facing slope, some steep areas, other areas of rather low quality. Suger maple doesn't seem to be growing well considering age of stand. Good quality oak/elm/basswood observed. Noticed nice looking White Pine logs growing on hilltop on east edge of stand.	
84	4130 - Aspen	Poletimber Well	3.5	26	Immature	Aspen cut in 1991.	•
85	4130 - Aspen	Poletimber Well	18.6	26	Immature	Aspen cut in 1991.	•
86	4119 - Mixed Northern Hardwoods	Sawtimber Medium	11.3	75	51-80	Steep open grown west facing slope, extremely low quality.	•
90	4130 - Aspen	Poletimber Well	8.4	26	Immature	A3 coming into pole size. Contains quite a bit of cherry and maple.	•
91	4139 - Aspen, Mixed Deciduous	Poletimber Well	4.4	26	Immature	Lots of beech sapling, not as much Aspen stocking as expected.	•
95	4111 - S.Maple, Hard Mast Association	Poletimber Well	14.0	61	51-80	BA is variable. Low quality	•



Stand	Cover Type	Acres	Managed Site	General Comments:
1	122 - Road/Parking Lot	0.8	No	Slashing road.
11	6229 - Mixed lowland shrub	27.2	No	
20	6220 - Alder/willow	4.4	No	lowland shrub thicket
21	330 - Low-Density Trees	3.1	No	Caltmls in SW Low density tree call due to dead Black Ash, Yellow Birch g Red Maple Scattered throughout
26	6229 - Mixed lowland shrub	10.0	No	Wet low area, probably due to beaver activity, some areas beginning to regenerate into Q type.
36	6229 - Mixed lowland shrub	18.1	No	Tag alder and marsh grass present, also cattails in spots. One small hummock of trees out in the middle.
38	310 - Herbaceous Openland	0.7	No	Grassy opening, beginning to fill in with some aspen, and a few clumpy white pines present.
40	310 - Herbaceous Openland	0.6	No	Grass opening filling in with various hardwood species.
41	6229 - Mixed lowland shrub	4.1	No	tag alder, marsh grass, cattails.
44	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas well, active, knapweed present.
45	790 - Other Bare/Sparsely Vegetate	1.2	No	Active gas well.
51	6225 - Bog	5.5	No	Current beaver activity.
59	310 - Herbaceous Openland	11.1		Stand harvested in 2015. Not quite tall enough to qualify as a forested stand. Lots of red maple and big tooth aspen regen.
65	122 - Road/Parking Lot	0.6	No	Jenkins Road
67	6229 - Mixed lowland shrub	1.3	No	Wet lowland shrub thicket, feeder streams present.
73	310 - Herbaceous Openland	1.6	No	Powerline
88	62399 - Marsh (OI)	0.6	No	Lowland pocket mostly cattails a few yellow birch saplings



Stand	Cover Type	Acres	Managed Site	General Comments:
89	6230 - Cattail	0.7	No	Cattails
92	122 - Road/Parking Lot	6.6	No	Thumb Lake Road
401	310 - Herbaceous Openland	0.7	No	APPLE TREES PRESENT.
402	310 - Herbaceous Openland	2.7	No	Grassy opening, knapweed present.
403	310 - Herbaceous Openland	5.6	No	Pipeline.
406	310 - Herbaceous Openland	1.1	No	Grass opening, used as a landing during Baby Badger HDWD sale, knapweed and mullein present.
408	310 - Herbaceous Openland	2.0	No	Grassy opening, used as landing during harvesting of Noble's HDWD contract, knapweed and mullein present.
409	310 - Herbaceous Openland	0.7	No	Grassy opening, aspen starting to encroach around the edges.
416	310 - Herbaceous Openland	2.7	No	Sled trail runs through.
426	310 - Herbaceous Openland	3.0	No	Gas well present in the North. Knapweed present.
438	310 - Herbaceous Openland	1.4	No	Small grassy opening with a scattered variety of pine and hardwood saplings coming in.