



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 49

Entry Year 2016

Acreage: 2,240

County Antrim

Management Area: Jordan Valley

Revision Date: 04/02/2014

Stand Examiner: Lucas Merrick

Legal Description:

T31N, R05W, Sections 18, 19, 30, 31, Warner Township, Antrim County

Identified Planning Goals:

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

Soil and topography:

Soils consist primarily of a Kalkaska-Montcalm complex with bands of Croswell sands. Lowlands are made up of Tawas Muck and Roscommon Mucky sand. Terrain is rolling with some areas of extreme slope.

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

There are no private inholdings within the compartment. A large tract of private ownership borders the north. This compartment is part of the Jordan Valley.

Unique Natural Features:

Examples of northern shrub thicket, rich conifer swamp, and northern fen may be present in compartment. Potential for red-shouldered hawk and goshawk. Potential for massasauga, Blanding's turtle, and wood turtle along Jordan River.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

This compartment is part of the Jordan Valley Management area which is considered a "High Conservation Value Area" (HCVA). The Jordan River is a designated "natural river". Natural rivers are also HCVA's. A portion of the compartment is identified as a "non-designated wilderness area".

Watershed and Fisheries Considerations:

This compartment is in the Jordan River watershed. Portions of a Jordan River tributary and adjacent lowland are located within the proposed treatment area. Buffers appear to be appropriate for the proposed treatments. The appropriate BMP's and Natural Rivers buffers should be followed.

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat benefiting deer, grouse, and woodcock. Hardwood treatments will provide within stand structural diversity. Openings are prescribed to be maintained in this compartment benefiting deer, turkey, grouse, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Ellsworth Shale. The Ellsworth is quarried for cement products elsewhere in the State. Gravel pits are located four miles to the east and potential is good on the uplands. Oil and gas potential in the area is primarily for the Antrim Shale gas play and a small portion of the State land in the compartment is currently leased and has been developed. The compartment is in the Jordan Valley Management Area and surface development is not allowed. Sections 18 and 19 are offset by producing wells, but are being produced by horizontal wells drilled from outside the JVMA.

Vehicle Access:

The compartment can be accessed via Jordan Valley Drive and Marsh Road. Old logging roads provide adequate access for operations.

Survey Needs:

A survey will be required for stand 10. A request has been submitted to survey #FM-1013.

Recreational Facilities and Opportunities:

Snowmobile trail #766 runs through the compartment along Jordan Valley Drive. The Jordan Valley Pathway can be found in the southern portions. Hunting and other dispersed recreation evident throughout the Jordan Valley Management Area.

Fire Protection:

The cover types are not prone to large or frequent fire events. Topography will be the largest limiting factor for equipment.

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**

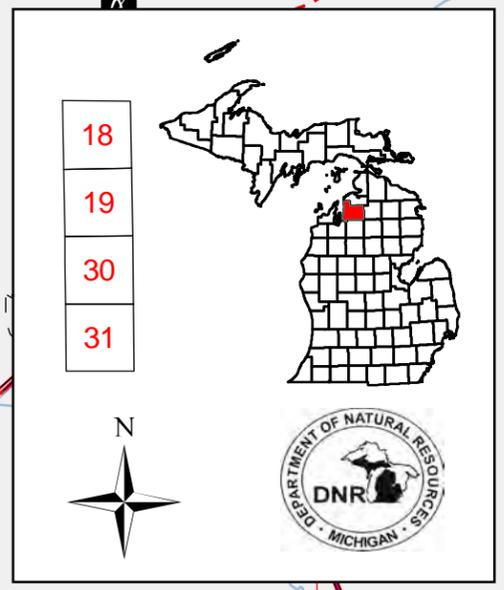
The following information is displayed, where pertinent, on the attached compartment maps:

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

Cover Type & Treatment Map

Stand # **23** Stacking Density
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Compartment: 049
 T31N R05W Sections 18, 19, 30, 31
 County: Antrim
 Unit: Gaylord
 YOE: 2016
 Acres: 2,240 GIS Calculated
 Examiner: Lucas Merrick
 Map Revised: 05/12/2014
 Map Phase: Pre-Review



Legend

- Miris Corners
- Remonumented Section Corners
- PLSS Corner
- Culverts
- Parking Lot
- Recreation
- Bike Trails
- Hiking Trails
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- Powerline
- Bike Trail
- Hiking Trail
- Snowmobile Trail
- Lakes and Rivers
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Other Treatment - See Comments

Forest Stands

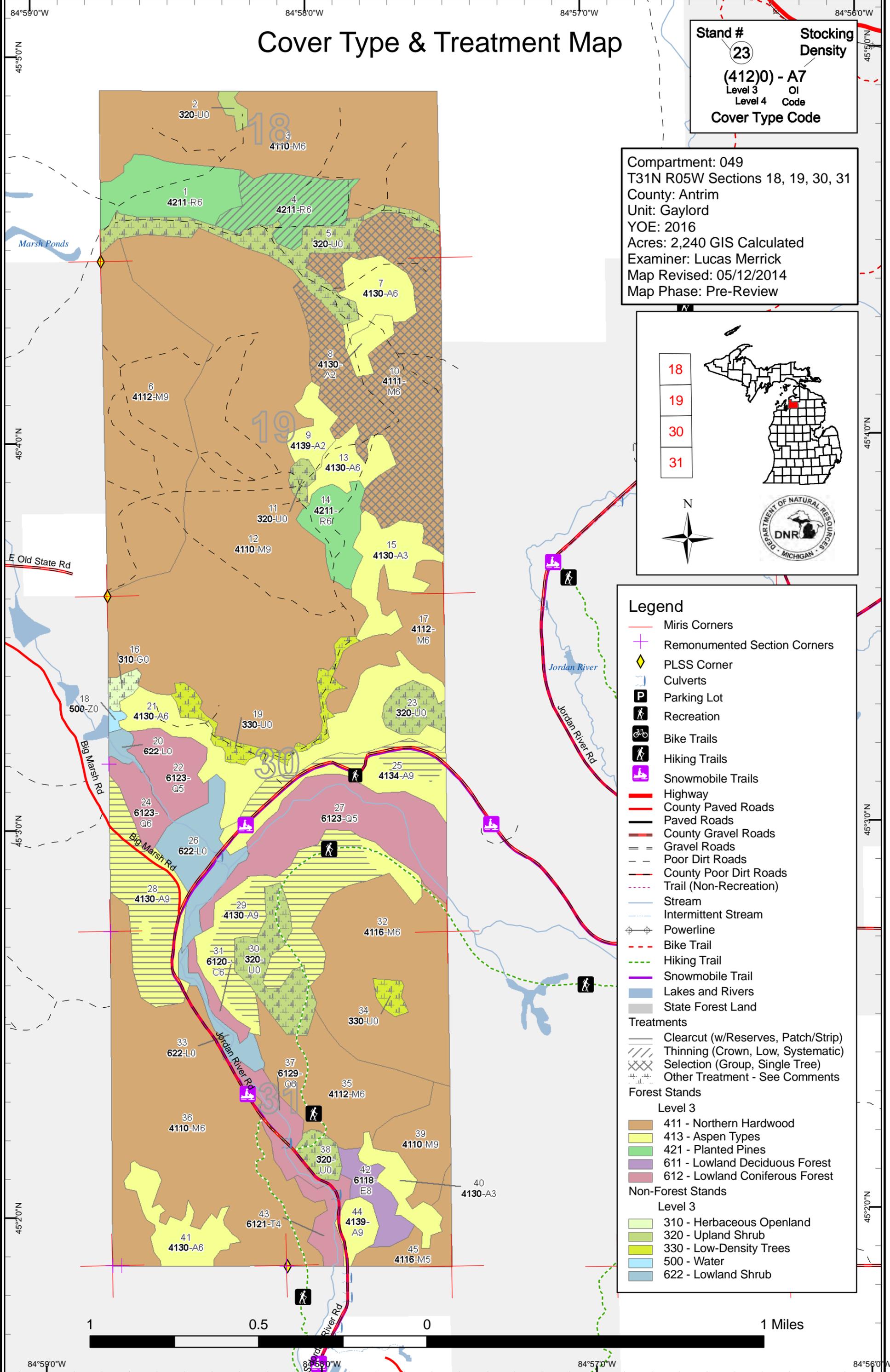
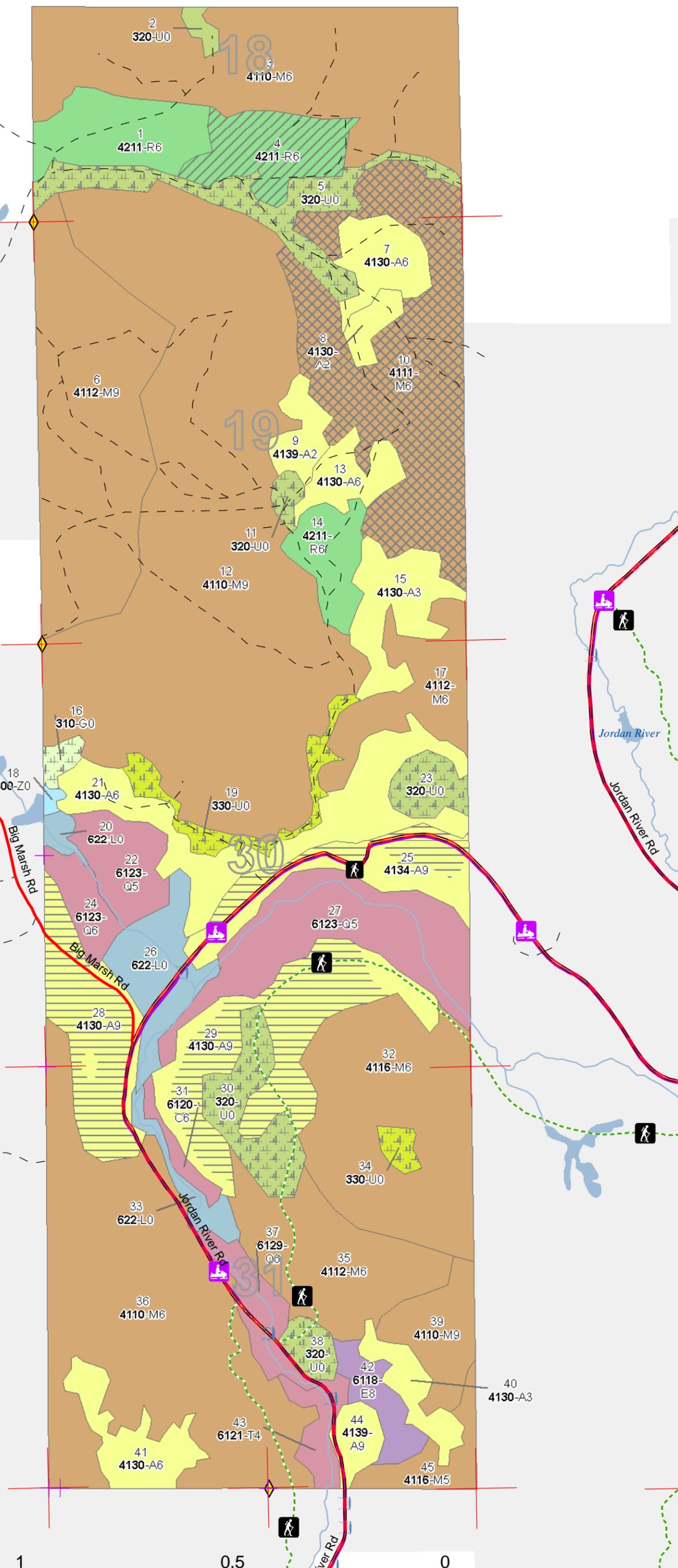
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

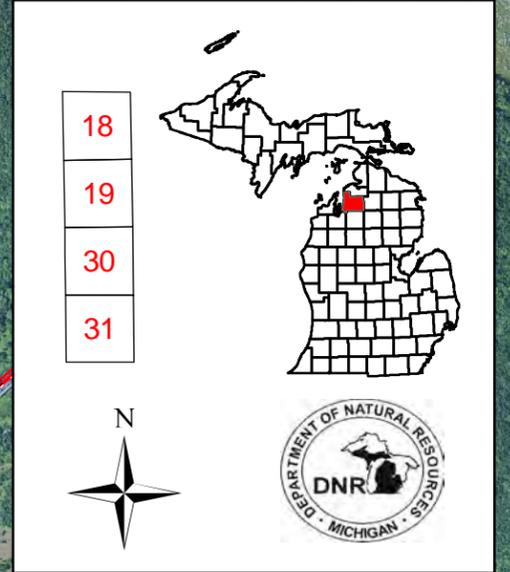
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub



Stand Boundary Map

Stand # **23** Stocking Density
(412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

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- Hiking Trail
- Snowmobile Trail
- Stand Boundaries

Forest Stands

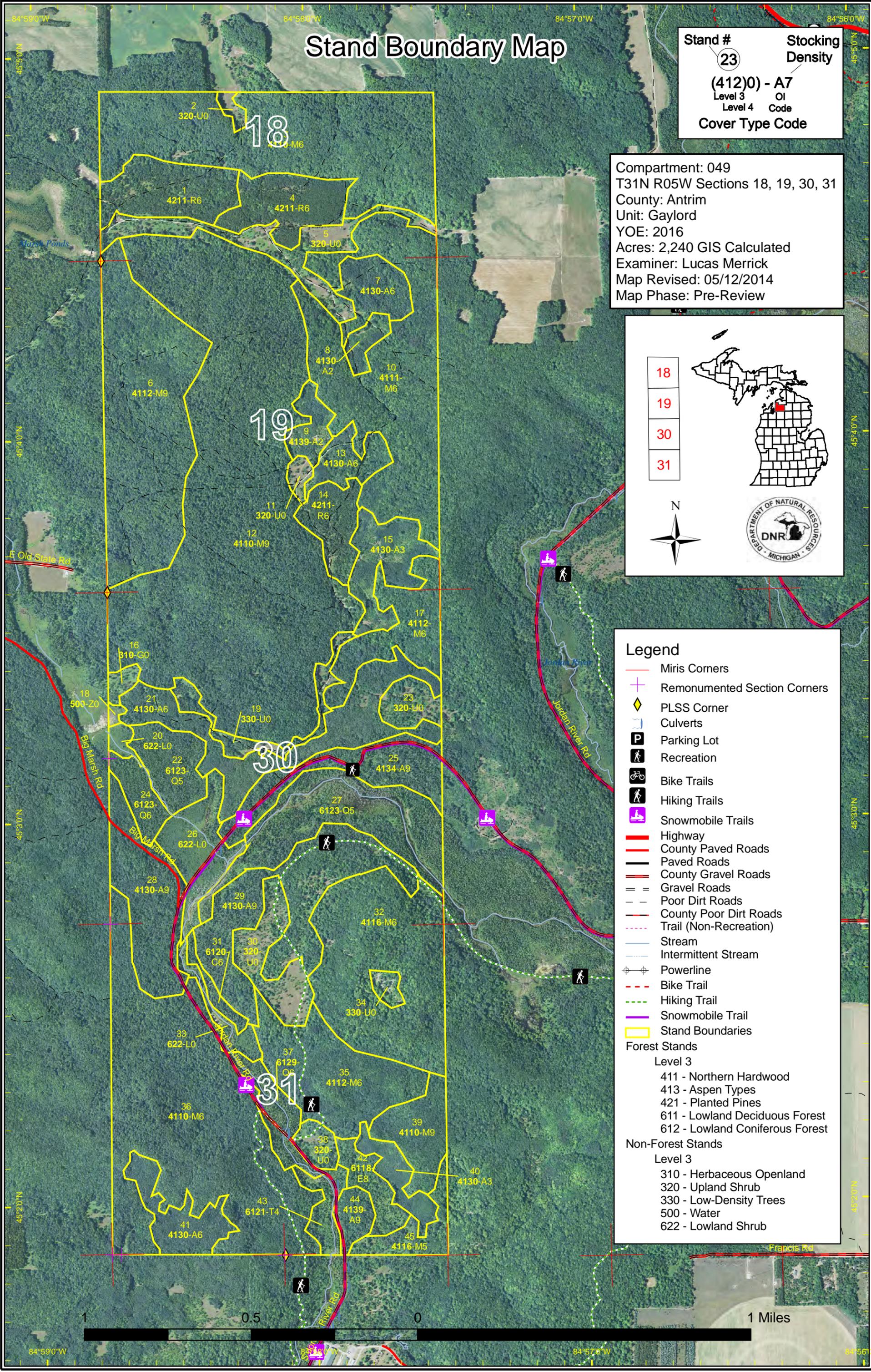
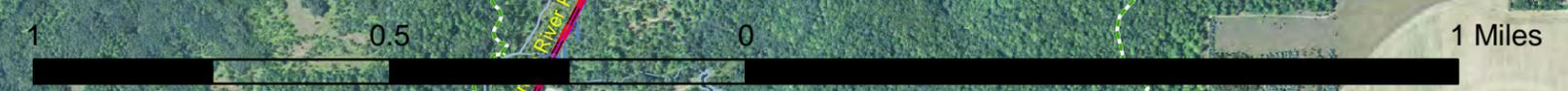
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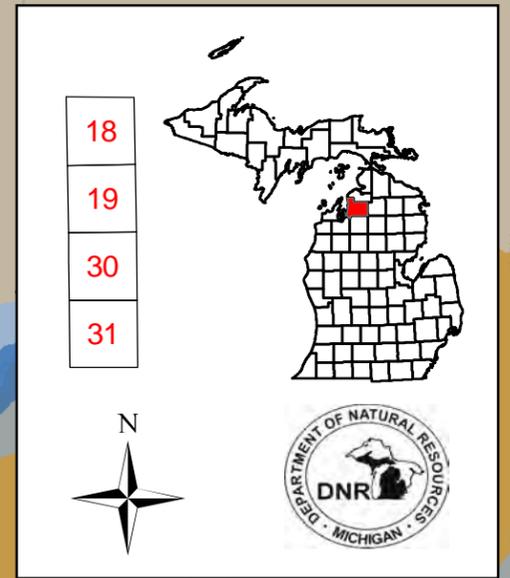
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- 622 - Lowland Shrub



Special Conservation Areas & Site Conditions Map

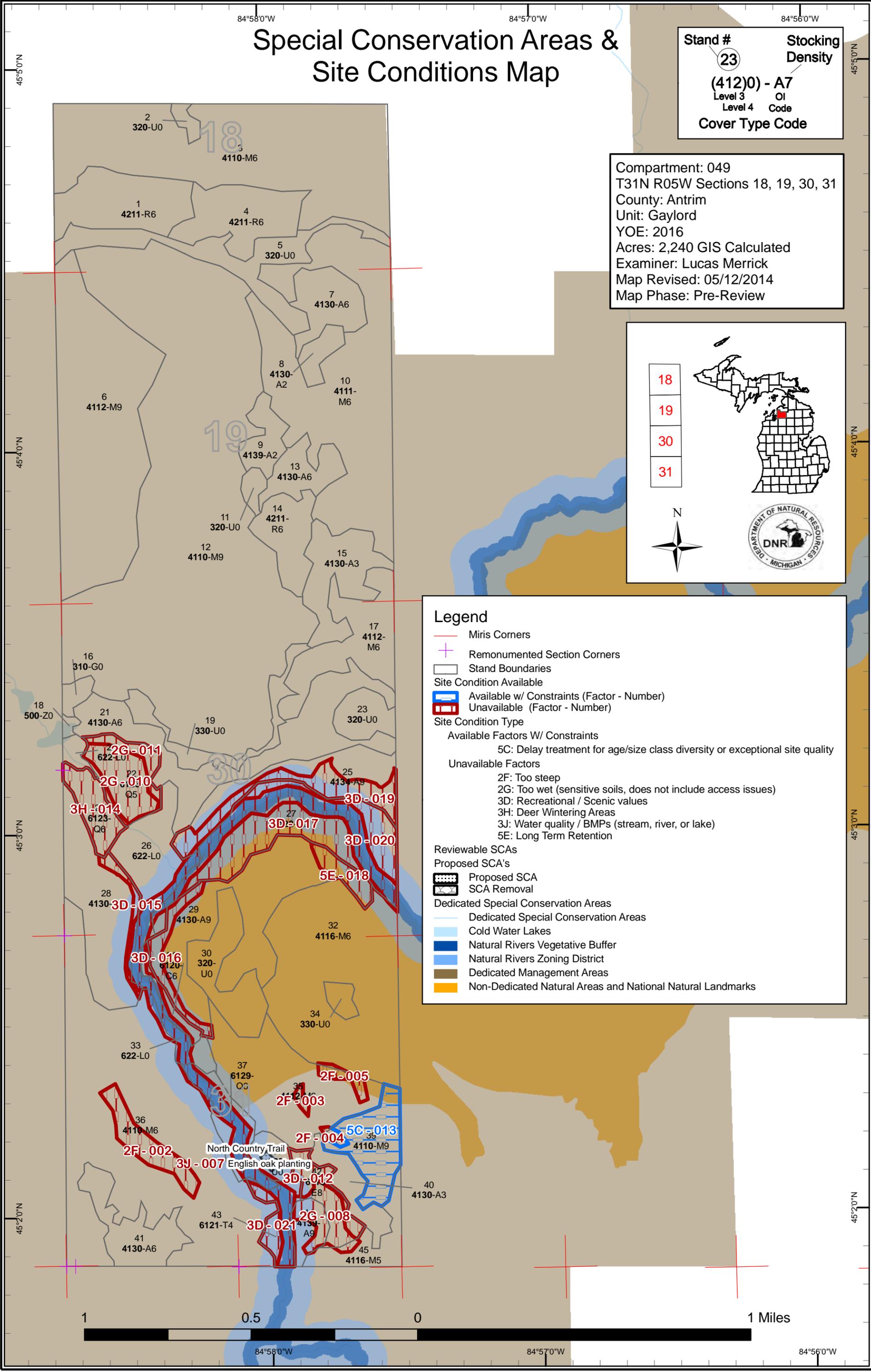
Stand # **23** Stocking Density
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Compartment: 049
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 Map Phase: Pre-Review



Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Available
 - Available w/ Constraints (Factor - Number)
 - Unavailable (Factor - Number)
- Site Condition Type
 - Available Factors W/ Constraints
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
 - Unavailable Factors
 - 2F: Too steep
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 3D: Recreational / Scenic values
 - 3H: Deer Wintering Areas
 - 3J: Water quality / BMPs (stream, river, or lake)
 - 5E: Long Term Retention
- Reviewable SCAs
- Proposed SCA's
 - Proposed SCA
 - SCA Removal
- Dedicated Special Conservation Areas
 - Dedicated Special Conservation Areas
 - Cold Water Lakes
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - Dedicated Management Areas
 - Non-Dedicated Natural Areas and National Natural Landmarks



Report 1 – Total Acres by Cover Type and Age Class



	Age Class														Total
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen	0	72	113	23	0	0	0	141	56	0	0	0	0	0	404
Cedar	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	24	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Conifers	0	0	0	0	0	0	0	20	27	77	15	0	0	0	139
Lowland Deciduous	0	0	0	0	0	0	0	0	0	17	0	0	0	0	17
Lowland Shrub	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Northern Hardwood	0	0	0	0	0	0	0	212	662	42	457	0	0	0	1373
Red Pine	0	0	0	102	0	0	0	0	0	0	0	0	0	0	102
Tamarack	0	0	0	0	0	0	0	0	0	14	0	0	0	0	14
Upland Shrub	105	0	0	0	0	0	0	0	0	0	0	0	0	0	105
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	185	72	113	125	0	0	0	372	745	156	472	0	0	0	2240



Report 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit
Year of Entry 2016

Compartment 049
Total Compartment Acres: 2,240

Acres by Treatment Type

Commercial Harvest - 318 Tree Planting - 0 Other - 0
Habitat Cut - 0 Opening Maintenance - 13

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	136	0	0	0	0	0	136
Northern Hardwood	0	145	0	0	0	0	145
Planted Pines	0	0	0	0	37	0	37
Total	136	145	0	0	37	0	318



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	52049004-Cut	36.9	42110 - Planted Red Pine	High Density Pole	36	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Remove every third row of red pine. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
10	52049010-Cut	145.3	4111 - S.Maple, Hard Mast Association	High Density Pole	101	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
<u>Prescription</u> Single tree selection leave 70-80 BA. Leave at least one 75' x 75' regeneration gap for every 2 acres. In areas of poor quality -larger pockets of timber can be removed. There are a few pockets of aspen that can be removed to promote pockets of aspen. <u>Specs:</u> <u>Other</u> Avoid marking aspen outside of designated pockets. This stand should be marked out of YOE and added to an adjacent unsold sale "Broken Wing Hardwoods". A survey will be required and has been requested. Currently a low job priority for surveyors. <u>Comments:</u> <u>Next</u> monitor regen. Acceptable species include maple, basswood, birch, and aspen that meet minimum stocking requirements. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2014										
25	52049025- Cut_small	21.2	4134 - Aspen, Spruce/Fir	High Density Log	86	81-110	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final Harvest with reserves. Harvest all trees 2" and up. Leave 5-10BA of red maple, fir, white pine, and/or spruce for visual. Higher residual may be left in pockets if desirable for visual or habitat consideration. <u>Specs:</u> <u>Other</u> There are a few wet pockets in stand along road. <u>Comments:</u> <u>Next</u> Monitor regeneration. Acceptable regen is aspen with pine, fir, spruce and northern hardwoods at minimum stocking. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
28	52049028-Cut	48.4	4130 - Aspen	High Density Log	76	81-110	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Cut all trees 2" and up. Leave retention in islands. Concentrate islands along Big Marsh Road in areas with hemlock. <u>Specs:</u> <u>Other</u> Note treatment boundary does not include a small cedar inclusion or a buffer strip along Jordan Valley Road. <u>Comments:</u> <u>Next</u> Monitor Regen. Acceptable regen is aspen, maple, birch, basswood, a minor conifer component is expected and should be encouraged if possible with hemlock. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
29	52049029-Cut	66.2	4130 - Aspen	High Density Log	71	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Final harvest all trees 2" and up. The portions of stand left out of treatment will be considered retention. Protect walking trail from operations as much as possible- use islands or buffer strip if needed. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> Monitor regen. An aspen stand with mixed hardwoods and conifer that meets minimum stocking is acceptable. If regen fails address issue with stake holders and other divisions. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	NF_52049005- NonFor	42.4	3204 - Mast Producing Shrub				Non-Forest Management	Other - Specify	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
11	NF_52049011- NonFor	4.6	3204 - Mast Producing Shrub				Non-Forest Management	Other - Specify	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
16	NF_52049016- NonFor	4.7	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
19	NF_52049019- NonFor	18.9	3301 - Low Density Deciduous Trees				Non-Forest Management	Other - Specify	330 - Low Density Trees	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
23	NF_52049023- NonFor	14.2	3204 - Mast Producing Shrub				Non-Forest Management	Other - Specify	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30	NF_52049030- NonFor	30.7	3204 - Mast Producing Shrub				Non-Forest Management	Other - Specify	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
34	NF_52049034- NonFor	5.1	3301 - Low Density Deciduous Trees				Non-Forest Management	Other - Specify	3301 - Low Density Deciduous Trees	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
38	NF_52049038- NonFor	9.3	3204 - Mast Producing Shrub				Non-Forest Management	Other - Specify	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<u>Prescription</u> Maintain the non-forest condition of this stand by prescribed burning, herbicide, or mechanical means.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> Unspecified										
Total Treatment Acreage Proposed:		447.9								



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 049
Year of Entry 2016

Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions							
	Available	Not Available		No	5E	5C	3J	3H	3D	2G	2F
404	349	55	Aspen	349	8		3		38	6	
6	4	3	Cedar	4			3				
139	11	128	Lowland Conifers	11			40	15	48	25	
17	0	16	Lowland Deciduous	0					9	8	
1373	1348	25	Northern Hardwood	1,320		28	3			1	22
102	102		Red Pine	102							
14	1	13	Tamarack	1			7		6	0	
2,055	1,815	240	Total Forested Acres	1,787	8	28	55	15	100	40	22
	88%	12%	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
002	Not Available	2F: Too steep	15				
Comments: Vey steep hillside. Can't be thinned conventionally.							
003	Not Available	2F: Too steep	1				
Comments:							
004	Not Available	2F: Too steep	2				
Comments:							
005	Not Available	2F: Too steep	4				
Comments:							

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 049
Year of Entry 2016

007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	70	
Comments: Jordan River Valley				
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	15	3J: Water quality / BMPs (stream, river, or lake)
Comments: Multiple seeps from hardwoods turns into flowing stream closer to road.				
010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	18	
Comments:				
011	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7	
Comments:				
012	Not Available	3D: Recreational / Scenic values	9	
Comments:				
013	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	
Comments: Hold for hardwood production in 10 years. Very little beech or ash found in stand. Not sure if stand is accessible from the east.				

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 049
Year of Entry 2016

014	Not Available	3H: Deer Wintering Areas	15	3D: Recreational / Scenic values
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Comments:

A fairly good quality cedar stand.

015	Not Available	3D: Recreational / Scenic values	5	
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Comments:

016	Not Available	3D: Recreational / Scenic values	10	
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Comments:

017	Not Available	3D: Recreational / Scenic values	32	
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Comments:

018	Not Available	5E: Long Term Retention	8	
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Comments:

stand 29

019	Not Available	3D: Recreational / Scenic values	23	
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Comments:

020	Not Available	3D: Recreational / Scenic values	16	
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Comments:

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 049
Year of Entry 2016

021	Not Available	3D: Recreational / Scenic values	6
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Comments:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
North Country Trail	Concentrated Recreation Area	Trail Head	SCA	0.2
Comments Small parking area heavily used by hikers and hunters				
English oak planting	Habitat Areas or Corridors	Other Habitat Area	SCA	1.0
Comments A fenced in area of english oak.				



Report 7 – DEDICATED CONSERVATION AREA DETAILS

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

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Gaylord Mgt. Unit		Report 8 – Forested Stands			Compartment: 049 Year of Entry: 2016
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	41.5	36	111-140	Red pine plantation with pockets of northern hwd. BA's and quality very widly.
3	4110 - Sugar Maple Association	High Density Pole	168.4	101	51-80	A northern hardwood stand.
4	42110 - Planted Red Pine	High Density Pole	36.9	36	171-200	Red pine plantation.
6	4112 - Maple, Beech, Cherry Association	High Density Log	143.2	107	81-110	A northern hardwood stand
7	4130 - Aspen	High Density Pole	23.1	38	51-80	An aspen stand.
8	4130 - Aspen	Medium Density	8.6	14		A regenerating aspen stand.
9	4139 - Aspen, Mixed Deciduous	Medium Density	13.5	14		A regenerating aspen stand.
10	4111 - S.Maple, Hard Mast Association	High Density Pole	145.3	101	111-140	A mixed hardwood stand with aspen.
12	4110 - Sugar Maple Association	High Density Log	413.6	81	81-110	A recently thinned northern hardwood stand.
13	4130 - Aspen	High Density Pole	17.9	26	51-80	A regenerating aspen stand.
14	42110 - Planted Red Pine	High Density Pole	23.8	36	111-140	Planted red pine with a hardwood understory.
15	4130 - Aspen	High Density Sapling	33.5	14		A regenerating aspen stand.
17	4112 - Maple, Beech, Cherry Association	High Density Pole	42.5	91	51-80	A northern hardwood stand on a hillside.
21	4130 - Aspen	High Density Pole	68.7	26	51-80	A regenerating aspen stand.
22	6123 - Lowland Fir	Medium Density Pole	27.0	86	1-50	Very wet.
24	6123 - Lowland Fir	High Density Pole	15.2	106	51-80	New stand added. Wet.
25	4134 - Aspen, Spruce/Fir	High Density Log	44.7	86	81-110	Aspen stand along snowmobile trail and river. A mixture of high and low ground.
27	6123 - Lowland Fir	Medium Density Pole	76.8	91	1-50	A conifer stand along the river.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	4130 - Aspen	High Density Log	56.0	76	81-110	An aspen stand that looks to have had variable disturbance events throughout its lifecycle found with mixed hardwood, conifer, and seeps. areas.
29	4130 - Aspen	High Density Log	84.7	71	51-80	A mature aspen stand.
31	6120 - Lowland Cedar	High Density Pole	6.4	91	51-80	Cedar stand.
32	4116 - Mixed N. Hardwood - Aspen	High Density Pole	122.7	71	81-110	A northern hardwood stand with aspen and openings.
35	4112 - Maple, Beech, Cherry Association	High Density Pole	70.8	74	81-110	A northern hrdwd stand.
36	4110 - Sugar Maple Association	High Density Pole	219.1	80	81-110	A northern hardwood stand
37	6129 - Mixed Coniferous Lowland Forest	High Density Pole	19.9	76	111-140	A lowland conifer stand within a natural river buffer zone.
39	4110 - Sugar Maple Association	High Density Log	29.3	86	141-170	A nice quality sawlog hrdwd stand.
40	4130 - Aspen	High Density Sapling	16.1	14	1-50	A regenerating aspen stand.
41	4130 - Aspen	High Density Pole	26.7	26	81-110	A regenerating aspen stand with mixed hardwoods .
42	6118 - Lowland Deciduous with Cedar	Medium Density Log	16.5	96	1-50	Wet with a variety of timber mixed with open areas.
43	6121 - Tamarack	Low Density Pole	14.1	94	1-50	Wet stand along river.
44	4139 - Aspen, Mixed Deciduous	High Density Log	11.0	84	51-80	A overmature aspen stand with a hardwood understory starting to develop.
45	4116 - Mixed N. Hardwood - Aspen	Medium Density Pole	18.0	71	1-50	Old opening that has slowly filled in with trees.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	3204 - Mast Producing Shrub	3.7	Unspecified	Unspecified	Small opening.
5	3204 - Mast Producing Shrub	42.4	Unspecified	Unspecified	Open area that is associated with the road system.
11	3204 - Mast Producing Shrub	4.6	Unspecified	Unspecified	An opening with scattered cherry brush.
16	3105 - Mixed Upland Herbaceous	4.7	Unspecified	Unspecified	Open area with misc mast shrubs and tree seedlings
18	50 - Water	1.6	Unspecified	Unspecified	A beaver pond.
19	3301 - Low Density Deciduous Tree	18.9	Unspecified	Unspecified	Open low stocked corridor associated with road system.
20	6220 - Alder/willow	4.3	Unspecified	Unspecified	A lowland shrub and sedge stand, very wet.
23	3204 - Mast Producing Shrub	14.2	Unspecified	Unspecified	A opening that's has begun to fill up with shrubs and seedlings.
26	6220 - Alder/willow	34.5	Unspecified	Unspecified	Very wet with lowland shrubs and conifer.
30	3204 - Mast Producing Shrub	30.7	Unspecified	Unspecified	A opening with scattered cherry.
33	6229 - Mixed lowland shrub	11.0	Unspecified	Unspecified	River corridor, various lowland shrubs and trees.
34	3301 - Low Density Deciduous Tree	5.1	Unspecified	Unspecified	A small opening that is starting to fill in with hard maple regeneration.
38	3204 - Mast Producing Shrub	9.3	Unspecified	Unspecified	Plenty of blackberry, bracken, and spotted knappweed A 1acre portion of opening has been fenced in and planted with english oak.