

Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11051 Entry Year 2017 Acreage: 1,997

County Houghton

Management Area: Central Houghton

Revision Date: 2015-03-16

Stand Examiner: Legal Description:

T51N R36W, Sections 3, 4, 5, 6, 7, and 8.

Identified Planning Goals:

Manager for high quality northern hardwoods. Expand mesic conifers within stands treated.

Soil and topography:

Much of the compartment is level. There are hills in Sections 4 and 8. Soils are: Kalkaska sand, Alcona loamy fine sand, Graveraet loam, Graveraet – Ocqueoc – Kalkaska sand, AuGres – Roscommon complex, Graveraet – Misery complex, Kalkaska – Alcona complex, Kalkaska – Halfaday sands, and Dawson peat.

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

The predominant surrounding land use is timber management. The exception is around the lakes where the land use becomes recreational homes and water recreation.

Unique Natural Features:

No unique natural features have been identified.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Part of the compartment is within the Otter River Watershed. The stream starting in section 5 is the headwaters of the West Branch Otter River. The remainder of the compartment is in the Sleepy River watershed. Clear, Sandy, Kratt and Horseshoe Lakes are within the compartment. Buffers are needed when cutting along the lakes.

Wildlife Habitat Considerations:

This is summer range for deer. They migrate elsewhere for winter.

Hard and soft mast in this compartment supports a good bear population. Mesic conifer regeneration is not impacted by deer browsing. Retain hemlock, except for trees that need to be removed for felling and skidding paths when other tree species are cut. Underplant hemlock in some northern hardwood stands now lacking hemlock seed sources, after selective harvests of hardwoods. Feature oak where present; mark trees growing under and around oaks so as to release oak crowns and to stimulate oak reproduction.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) clay and silt and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located two miles to the north and there maybe some potential. Abandoned copper mines and crushed basalt piles are located two miles to the north. This area has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is good within much of the compartment however, there is no road easement across the private land west of the Clear Lake access site.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The water access sites for Sandy Lake, Clear Lake and Horseshoe Lake are within the compartment boundaries. There are no other developed recreational facilities, and there does not appear to be a potential to develop more recreational facilities.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

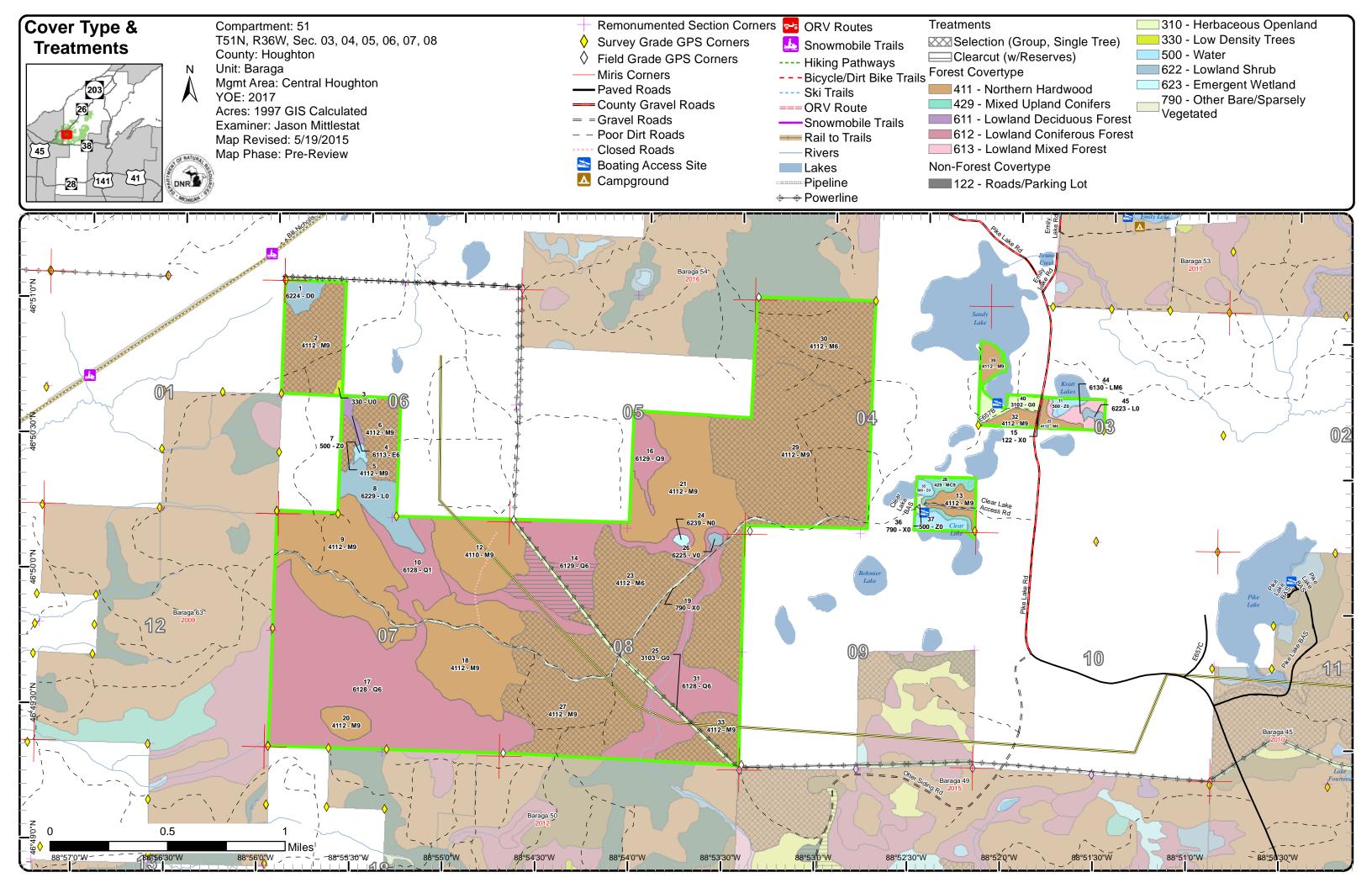
The following reports from the Inventory are attached:

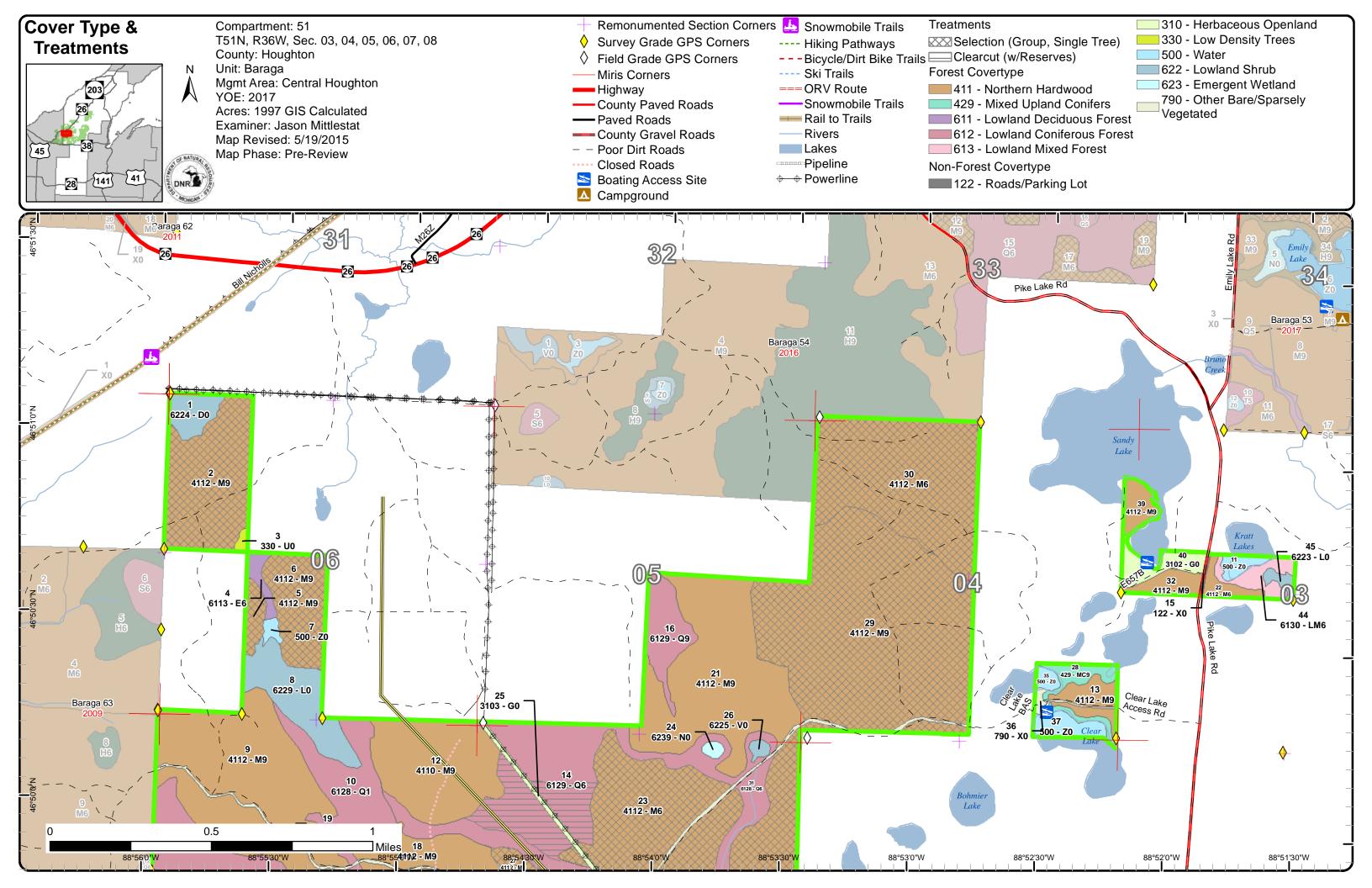
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

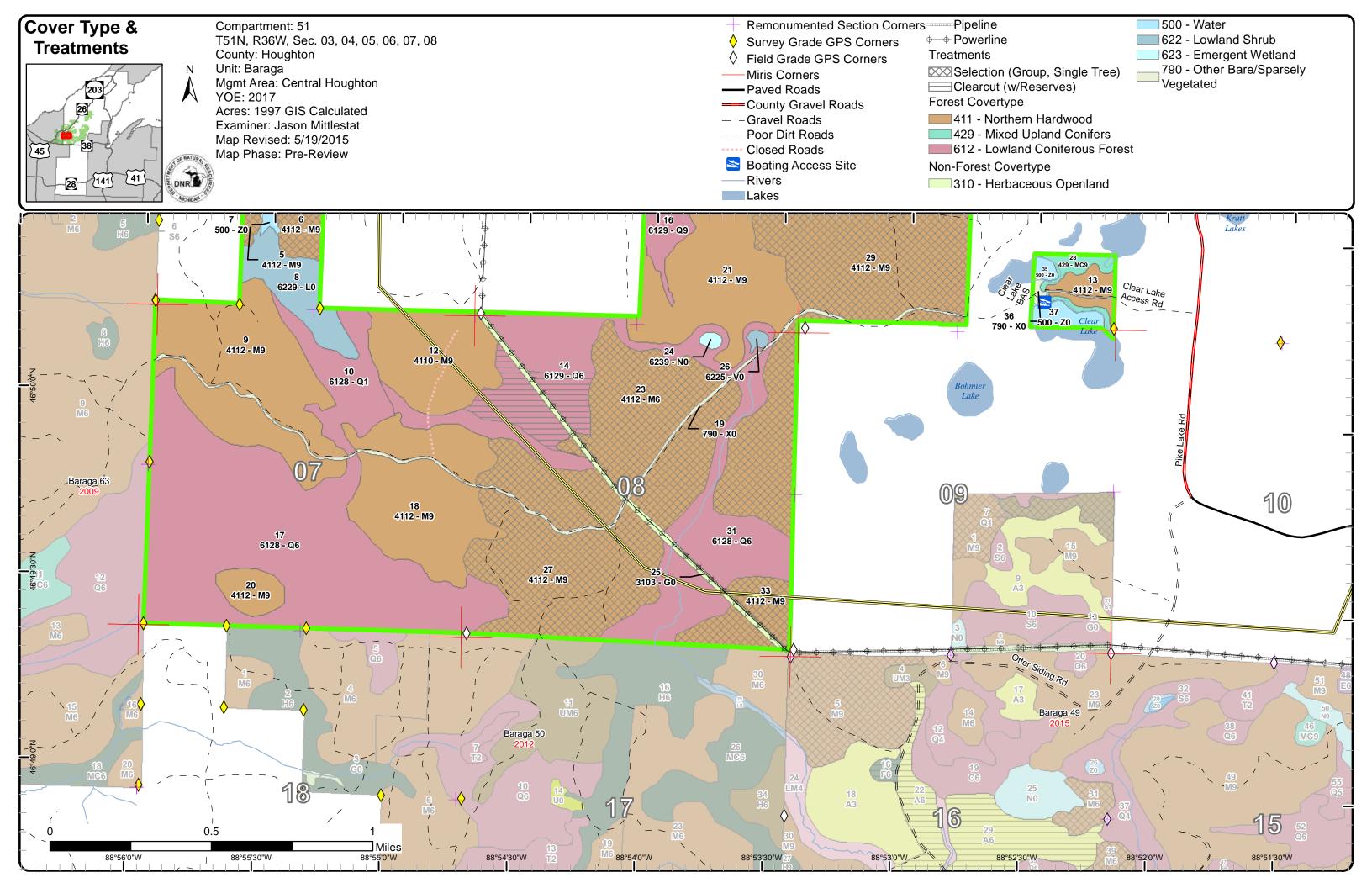
The following information is displayed, where pertinent, on the attached compartment maps:

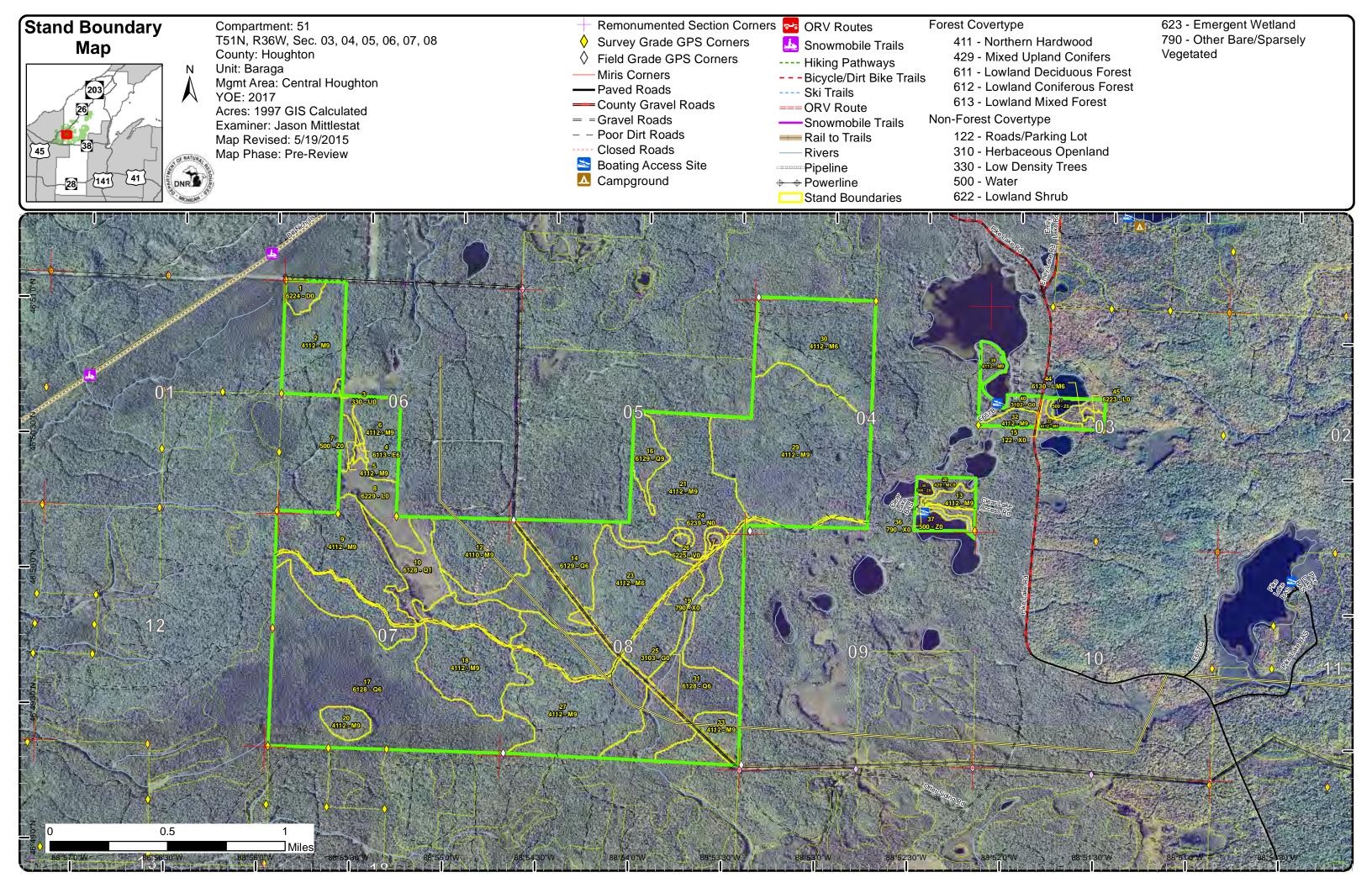
Base feature information, stand boundaries, cover types, and numbers

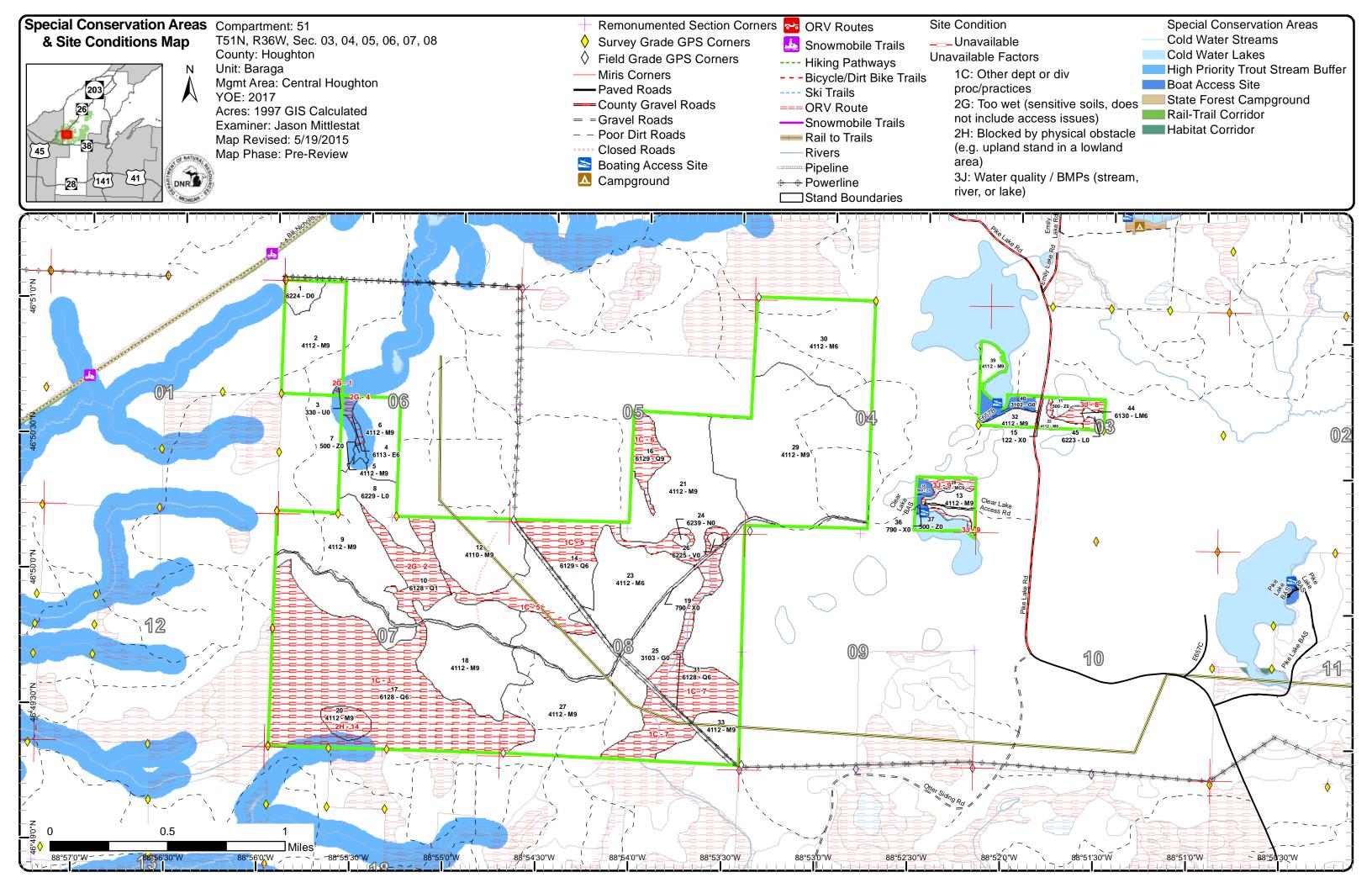
Proposed treatments
Site condition boundaries
Details on the road access system

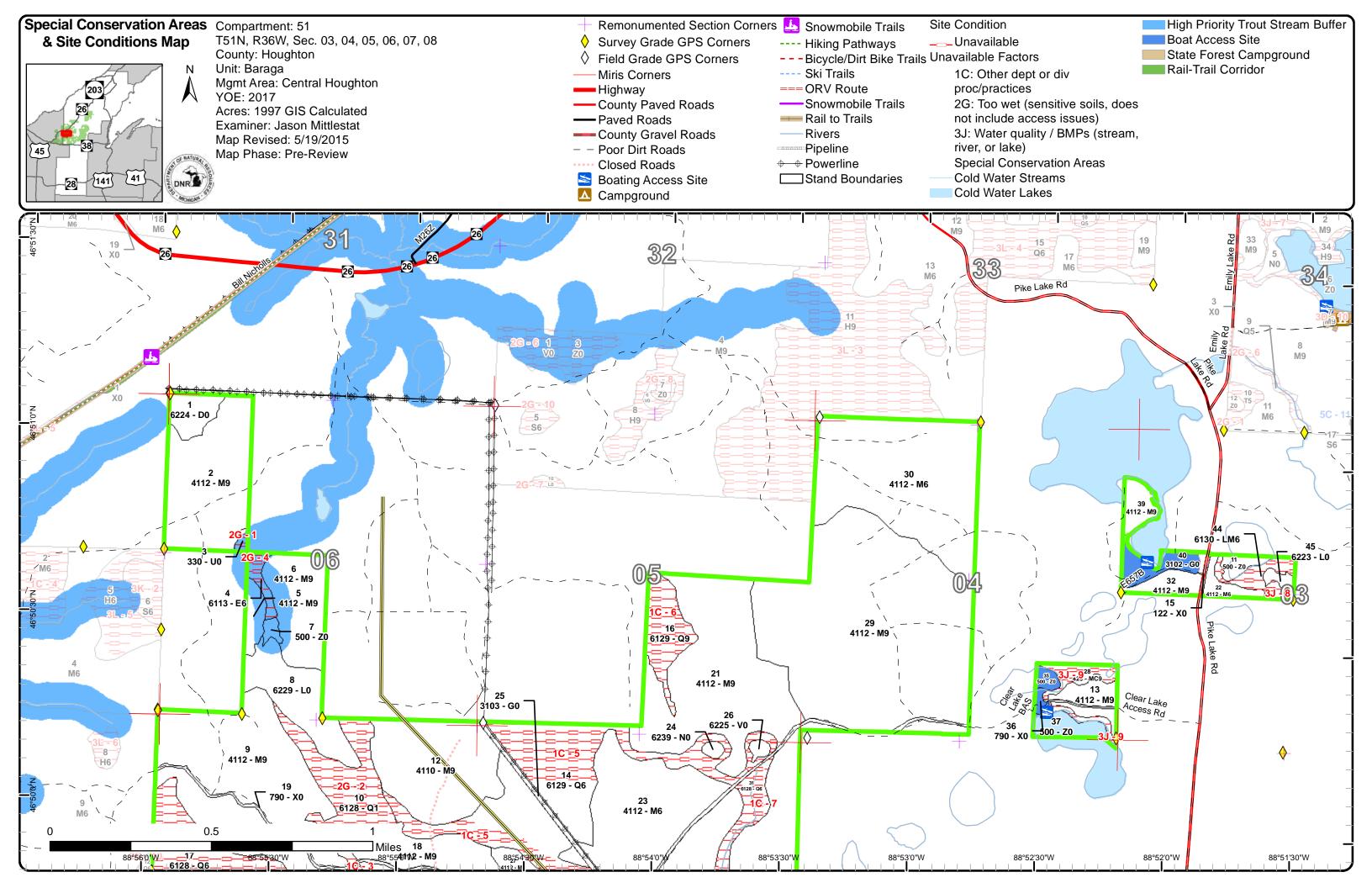


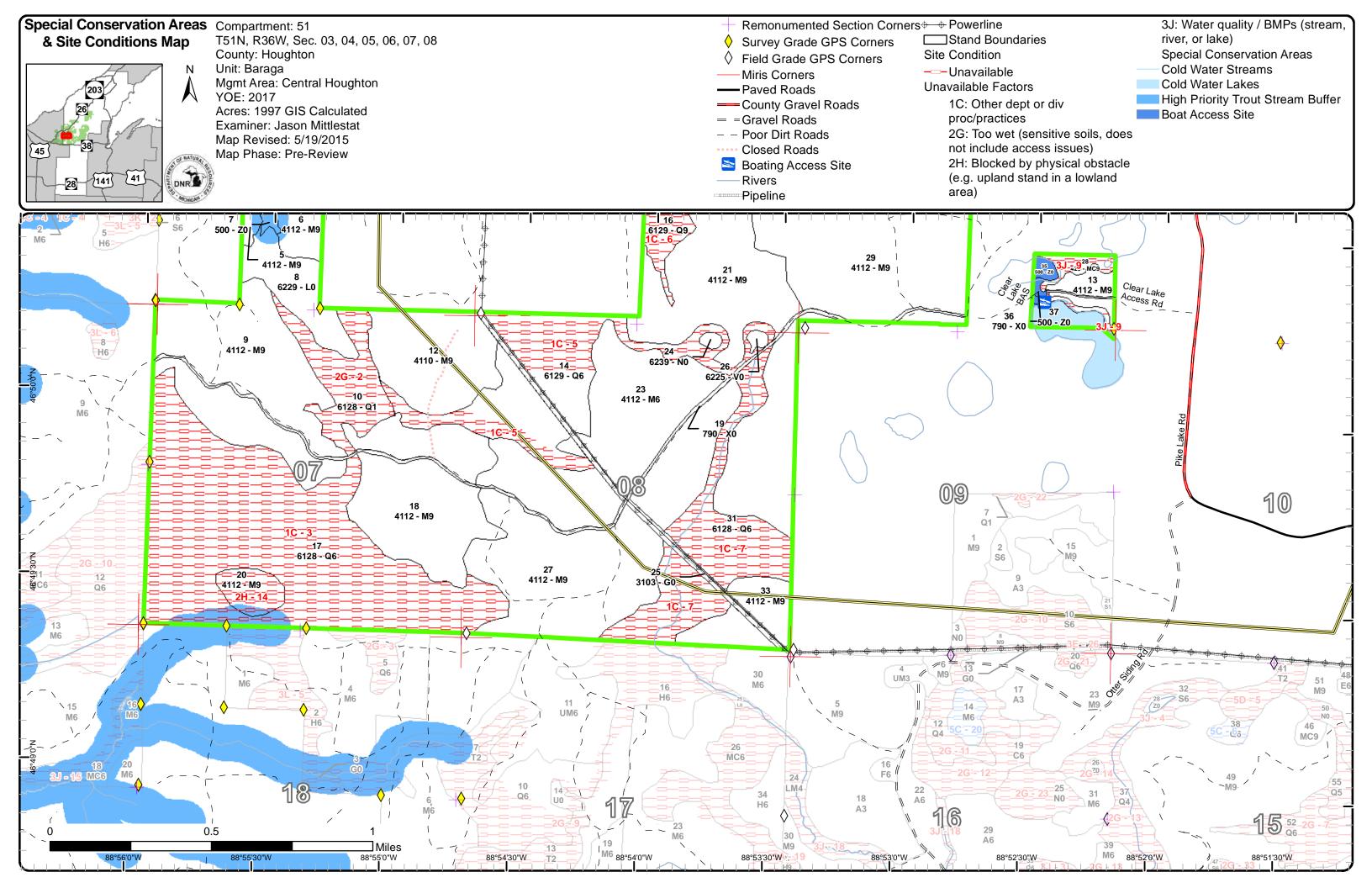












Report 1 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment 51 Year of Entry 2017



Age Class

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Bare/Sparsely Vegetated	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Herbaceous Openland	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	502	546
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	1192	1307
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	120	0	44	0	0	0	0	0	0	0	0	115	0	0	0	0	0	1719	1998



Report 2 – Treatment Summary

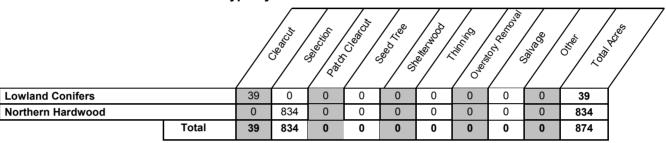
Baraga Mgt. Unit Year of Entry: 2017

Acres of Harvest

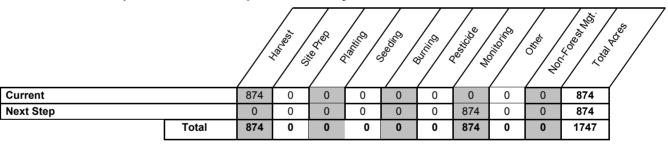
Compartment 51
Total Compartment Acres: 1,997

Commercial Harvest - 874 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Harvest Method



Compartment: 51 Year of Entry: 2017

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t 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
2	11051002- Mark	67.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	68	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal - Approval Pending Edits

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all quidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step

Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Other Old next step comments:

Comment:

10/1 /2016 **Proposed Start Date:**

11051005-7 7 4112 - Maple, Sawtimber 111-Single Tree 411 - Northern Harvest Uneven-Proposal -Mark Beech. Cherry Well 140 Selection Hardwood Aged Approval Association Pending Edits

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016

11051006-35.9 4112 - Maple, Sawtimber 111-Single Tree 411 - Northern 6 Harvest Uneven-Proposal -Mark Beech, Cherry Well 140 Selection Hardwood Aged Approval Pending Edits Association

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step **Treatments:**

Acceptable Any tree species that are currently represented in the over story.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



Compartment: 51 Year of Entry: 2017



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
14	11051014-Cut	39.3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	109	111- 140	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Approved Proposal

Habitat Cut: No Site Condition: None

Prescription Harvest all species down to 4.6 DBH except White Pine, Cedar and Red Oak. Also, Leave tree mark 1-2 windfirm hemlock per acre for seed Specs:

production.

Next Step **Treatments:**

S

Acceptable A composition of the current overstory species with an emphasis hemlock. Immediate regeneration may be more deciduous with coniferous

Regen: establishing later.

Other Old next step comments:

Comment

10/1 /2016 **Proposed Start Date:**

11051023-9-1 8 4112 - Maple, Poletimber 74 111-Harvest Single Tree 411 - Northern Uneven-Proposal -Beech, Cherry Well 140 Selection Approval New Hardwood Aged Association Pending Edits

Habitat Cut: No Site Condition: None

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all Specs:

guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant

cover type and reserve tree species.

Next Step Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

11051023-118.3 4112 - Maple, Poletimber 74 111-Harvest Single Tree 411 - Northern Uneven-Proposal -Beech, Cherry Well Approval Mark 140 Selection Hardwood Aged Association Pending Edits

Habitat Cut: No Site Condition: None

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all Specs: guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant

cover type and reserve tree species.

Next Step

Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

Compartment: 51 Year of Entry: 2017

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t 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
27	11051027- Mark	163.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	74	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal - Approval Pending Edits

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all quidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step

Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Other Old next step comments:

Comment:

10/1 /2016 **Proposed Start Date:**

11051029-290.5 4112 - Maple, Sawtimber 111-Single Tree 411 - Northern 29 Harvest Uneven-Proposal -Mark Beech. Cherry Well 140 Selection Hardwood Aged Approval Association Pending Edits

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen:

Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016

11051030-117.4 4112 - Maple, Poletimber 141-Single Tree 411 - Northern 30 Harvest Uneven-Proposal -Mark Beech, Cherry Well 170 Selection Hardwood Aged Approval Pending Edits Association

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor mast producing black cherry and oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step

Treatments:

Acceptable Any tree species that are currently represented in the over story.

Regen: Other

Treatment should extend into adjacent Cmpt 54. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

Compartment: 51 s Year of Entry: 2017 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** 11051033-411 - Northern 33 32.0 4112 - Maple, Sawtimber 111-Harvest Single Tree Uneven-Proposal -Beech, Cherry Mark Well 140 Selection Hardwood Aged Approval Association Pending Edits

Report 4 -- Treatments

Habitat Cut: No Site Condition: None

Specs:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker". Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Step

Treatments:

Acceptable Any tree species that are currently represented in the over story.

Baraga Mgt. Unit

Regen:

Other Treat with adjacent cmpt 49, stand 5. Old next step comments:

Comment:

1 /1 /2015 Proposed Start Date:

Total Treatment Acreage Proposed:

873.7

Compartment: 51

Baraga Mgt. Unit

Jason Mittlestat : Examiner Year of Entry: 2017

Dominant Site Conditions

2G 2H 3J 3L

1			
44			
5			
		10	
	15		2
		10	
50	15	20	2
	5	15	15 10 10 10 10 10 10 10 10 10 10 10 10 10

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

1 Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: 2 Unspecified		Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2 Unavailable 2G: Too wet (sensitive 44 Unspecified Unspecified Unspecified Unspecified Soils, does not include access issues)	1	Unavailable	soils, does not include	2	Unspecified	Unspecified	Unspecified	Unspecified
soils, does not include access issues)	C	Comments:						
Comments:	2	Unavailable	soils, does not include	44	Unspecified	Unspecified	Unspecified	Unspecified
	C	comments:						

Report 5 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 51
Year of Entry: 2017

Unavailable	1C: Other dept or div proc/practices	279	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Wildlife Div. prefers	FRD not to cut in these stands	S.				
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	1C: Other dept or div proc/practices	70	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife Div. prefers	FRD not to cut in these stands	S.				
Unavailable	1C: Other dept or div proc/practices	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife Div. prefers	FRD not to cut in these stands	S.				
Unavailable	1C: Other dept or div proc/practices	93	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife Div. prefers	FRD not to cut in these stands	S.				
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:						
	Comments: Wildlife Div. prefers Unavailable	Comments: Wildlife Div. prefers FRD not to cut in these stands Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands Unavailable 3J: Water quality / BMPs (stream, river, or lake)	Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 3J: Water quality / BMPs (stream, river, or lake)	Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 1C: Other dept or div proc/practices Vildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 3J: Water quality / BMPs (stream, river, or lake) 10 2G: Too wet (sensitive soils, does not include access issues)	Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 1C: Other dept or div proc/practices Comments: Wildlife Div. prefers FRD not to cut in these stands. Unavailable 3J: Water quality / BMPs (stream, river, or lake) 10 2G: Too wet (sensitive soils, does not include access issues)	Comments: Vindiffe Div. prefers FRD not to cut in these stands.

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 51
Year of Entry: 2017

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	2F: Too steep	Unspecified	Unspecified	Unspecified
C	comments:						
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	3A: Potential old growth / biodiversity	Unspecified	Unspecified	Unspecified
C	comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Baraga Mgt. Unit Compartment: 51
Year of Entry 2017



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservati Area	on 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 co stocked trout populations and those of other coldwater fish conditions for coldwater fishes may occur in Michigan lakes groundwater inflows, or are located in colder (northern) are Director's action and designated as trout resources by Fish	species to persist from year to year. Suitable if they are relatively deep, have substantial as of the state. Such lakes are established by			
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	Riparian Area	A transitional area between aquatic and terrestrial ecosyste influences the aquatic ecosystem and vice-versa. Because streams and open water wetlands, riparian areas harbor a communities are ecologically and socially significant in thei as aesthetics, habitat, bank stability, timber production, and	of the unique conditions adjacent to lakes, high diversity of plants and wildlife. Riparian r effects on water quality and quantity, as well			

S t	Barag	Baraga Mgt. Unit			Forested	Stands Compartment: 51 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	67.6	68	111-140	Cut in 1997, Sleeping Hdwd.
4	6113 - Lowland Maple	Poletimber Well	5.0	109	81-110	wet
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.7	74	111-140	Sleeping Hdwd, cut in 1997.
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	35.9	74	111-140	Sleeping Hdwd, cut in 1997.
9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	132.1	77	81-110	Hawkeye Hdwd, cut in 1997.
10	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Poor	43.7	13	1-50	Winter data collection, wet. Beaver have flooded out stand in 2010ish. Almost all snags now.
12	4110 - Sugar Maple Association	Sawtimber Well	67.1	74	81-110	Stand was thinned with "Horse Shoe Hdwds", cut by Northern Hdwds in 2007.
13	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.6	74	81-110	Cut in 2007.
14	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	109.8	109	111-140	Wet
16	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	21.2	109	141-170	Wet, w/good Hemlock regen. established
17	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	278.8	109	81-110	Stand is wet throughout. Some evidence of dieback in hardwood stands to the North from beaver flooding.
18	4112 - Maple, Beech, Cherry Association	Sawtimber Well	107.2	74	81-110	scattered white Spruce, and red Oak. Cut as part on "Horse Shoe Hdwds" by Northern Hardwoods in the winter of 07-08.
20	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.2	109	111-140	Unique stand of poor quality over mature hardwood. Small upland "island" surrounded by large swamp.
21	4112 - Maple, Beech, Cherry Association	Sawtimber Well	114.8	109	81-110	Some scattered Hemlock, and a few Red Oak. Cut as part of "Holey Road Hardwoods" by Longyear in 07-08.
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.1	77	81-110	Holey Road Hdwd, cut in 2007.
23	4112 - Maple, Beech, Cherry Association	Poletimber Well	120.2	74	111-140	north of road was No Bunch Hdwd, and south of road was 007 Hdwd both cut 1n 1997.
27	4112 - Maple, Beech, Cherry Association	Sawtimber Well	163.1	74	111-140	Bear Dog Hdwd, cut in 1997. Has some scattered Red Oak, and Black Cherry.

S t a n d	Baraga		Report 8	- Forested Sta	Compartment: 51 Year of Entry: 2017	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	429 - Mixed Upland Conifers	Sawtimber Well	10.3	95	81-110	
29	4112 - Maple, Beech, Cherry Association	Sawtimber Well	290.5	74	111-140	007 and Clear Lake Hdwd, cut in 1997.
30	4112 - Maple, Beech, Cherry Association	Poletimber Well	117.4	69	141-170	Sandy Lake Hdwd cut in 1998
31	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	92.7	109	141-170	
32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.7	77	81-110	cut in 2007 "Holey Road Hdwds"
33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.0	74	111-140	High voltage Hdwd, cut in 1997.
39	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.0	77	81-110	Small isolated stand along Sandy Lake shore. H oley Road Hdwd, cut in 2007
44	6130 - Fir, Aspen, Maple	Poletimber Well	9.7	67	111-140	

Baraga Mgt. Unit

Report 9 - Nonforested Stands

Compartment: 51 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6224 - Treed Bog	11.0	No	
3	330 - Low-Density Trees	1.5	No	
7	500 - Water	2.2	No	
8	6229 - Mixed lowland shrub	34.8	No	
11	500 - Water	4.3	No	Property line (blue) is in along South side.
15	122 - Road/Parking Lot	1.0	No	Pike Lake RoadCounty Road
19	790 - Other Bare/Sparsely Vegetate	17.0	No	Clear Lake Road. Sides of road are grass and brush.
24	6239 - Mixed Emergent Wetland	1.8	No	
25	3103 - Rubus-Fern	15.5	No	Power line R-O-W.
26	6225 - Bog	1.9	No	
35	500 - Water	2.7	No	Horseshoe Lake Access site on south shore
36	790 - Other Bare/Sparsely Vegetate	1.7	Yes	PRD developed access site for Clear Lake and Horseshoe Lake.
37	500 - Water	9.3	No	Clear Lake. Access site on north shore.
40	3102 - Grass	11.3	No	This includes the Sandy Lake access site managed by PRD. Maintained by Twin Lakes State Park.
45	6223 - Inundated Shrub Swamp	2.9	No	