

Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11055 Entry Year 2018 Acreage: 1,419

County Houghton

Management Area: Central Houghton

Revision Date: 2016-05-12

Stand Examiner: Jason Mittlestat

Legal Description:

Elm River Township

T52N, R36W, Sections 23, 27, 28, 29 and 30

Identified Planning Goals:

To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and topography:

The topography is level to rolling. Upland soils are: Graveraet loam, Liminga fine sand, Halfaday-AuGras sands, Munising loamy fine sand, Kalkaska sand, Skanee-Gay complex (fine sandy loam and loamy sand). Wetland soils are: Lupton muck and Gay muck.

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

State land borders the compartment to the south of section 28. Several small parcels of private ownership border the compartment throughout where some of the owners have harvested timber from their parcels, but the majority of the private owners use their land as homes or for recreational purposes, this is primarily due to the fact that the town of Winona is adjacent to the compartment in section 29. The remainder of the bordering land is owned by several different land management companies with primary goals of timber management.

Unique Natural Features:

MNFI indicates the potential for Red Shouldered Hawk, Eagle, Osprey, Great Blue Heron rookery, Goshawk, Moose and Gray Wolf in the compartment. There is also potential herbaceous species such as American shore grass, lakecress, Farwell's water-milfoil, alternate leaved water-milfoil and starwort in the lake. Loons have been observed in Lake Roland along with Eagles.

Archeological, Historical, and Cultural Features:

There are some old mine shafts in the compartment. The "Military Road" connecting Fort Wilkins with Fort Howard (Green Bay) crossed this compartment.

Special Management Designations or Considerations:

BMP guidelines should be followed around the intermittent streams which are all tributaries leading into lake Roland and surrounding smaller lakes.

Watershed and Fisheries Considerations:

The streams in this compartment are cold water trout streams. There is a concern about bank erosion and stream crossings.

Wildlife Habitat Considerations:

Managing habitat for; black bear, blackburnian warbler, pileated woodpecker, ruffed grouse, northern goshawk and American marten should be considered when planning harvest specifications in this this compartment. There is also a deer wintering complex in this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarsetextured glacial till and glacial outwash sand & gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone and the Portage Lake Volcanics subcrop below the glacial drift. The Jacobsville was previously used as a building stone and the Portage Lake has been mined for copper in this area. A gravel pit is located in Section 29 and potential appears to be good. Abandoned copper mines and crushed basalt piles are located in the Compartment. This area was previously leased for metallic development. There is no economic oil and gas production in the UP.

Vehicle Access:

M-26 is a state highway which runs through the compartment, Emily Lake Road is a county road which borders state land in Section 27, the Winona Tower road accesses state land in section 29, there is access to section 30 off the Winona road in section 30 and section 23 may be accessed of the Twin Lakes. There is access throughout the compartment through numerous logging roads.

Survey Needs:

None identified at this time, will be addressed as needed in the future.

Recreational Facilities and Opportunities:

The former Copper Range Railroad – now the Bill Nichols trail, crosses the compartment. The snowmobile trail from Winona to Alston also crosses part of the compartment. The large expanse of continuous forest offers excellent opportunities for large and small game hunting. There are good fishing opportunities in the surrounding area as Lakes Roland, Gerald, Bob Hall and an Un-named lake are very close as well as there tributaries and Sleepy Creek.

Fire Protection:

This compartment has little to no potential for a large fire with the primary cover type being northern hardwoods. Its proximity to the Twin Lakes field office will also help to keep fires small.

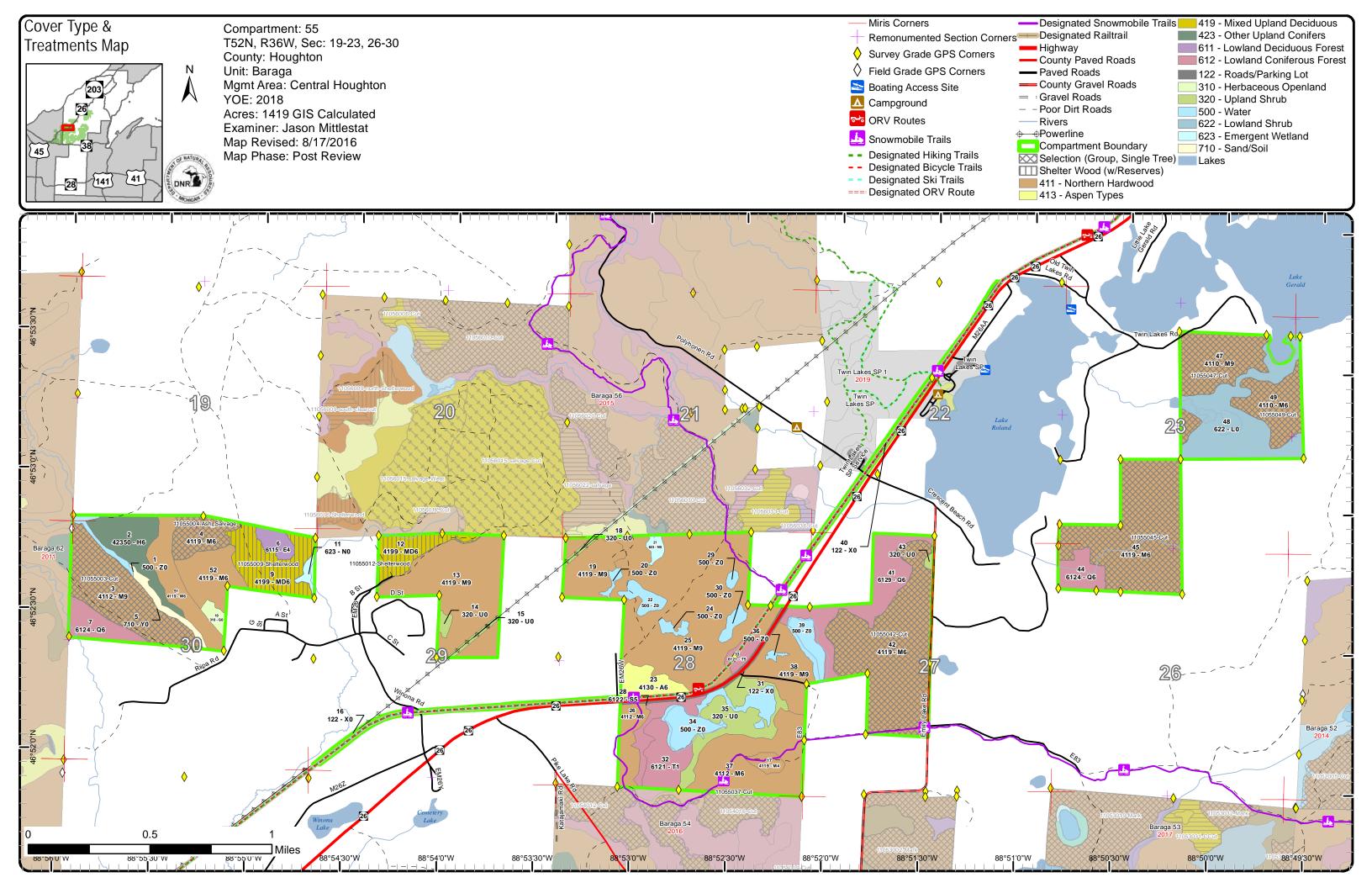
Additional Compartment Information:

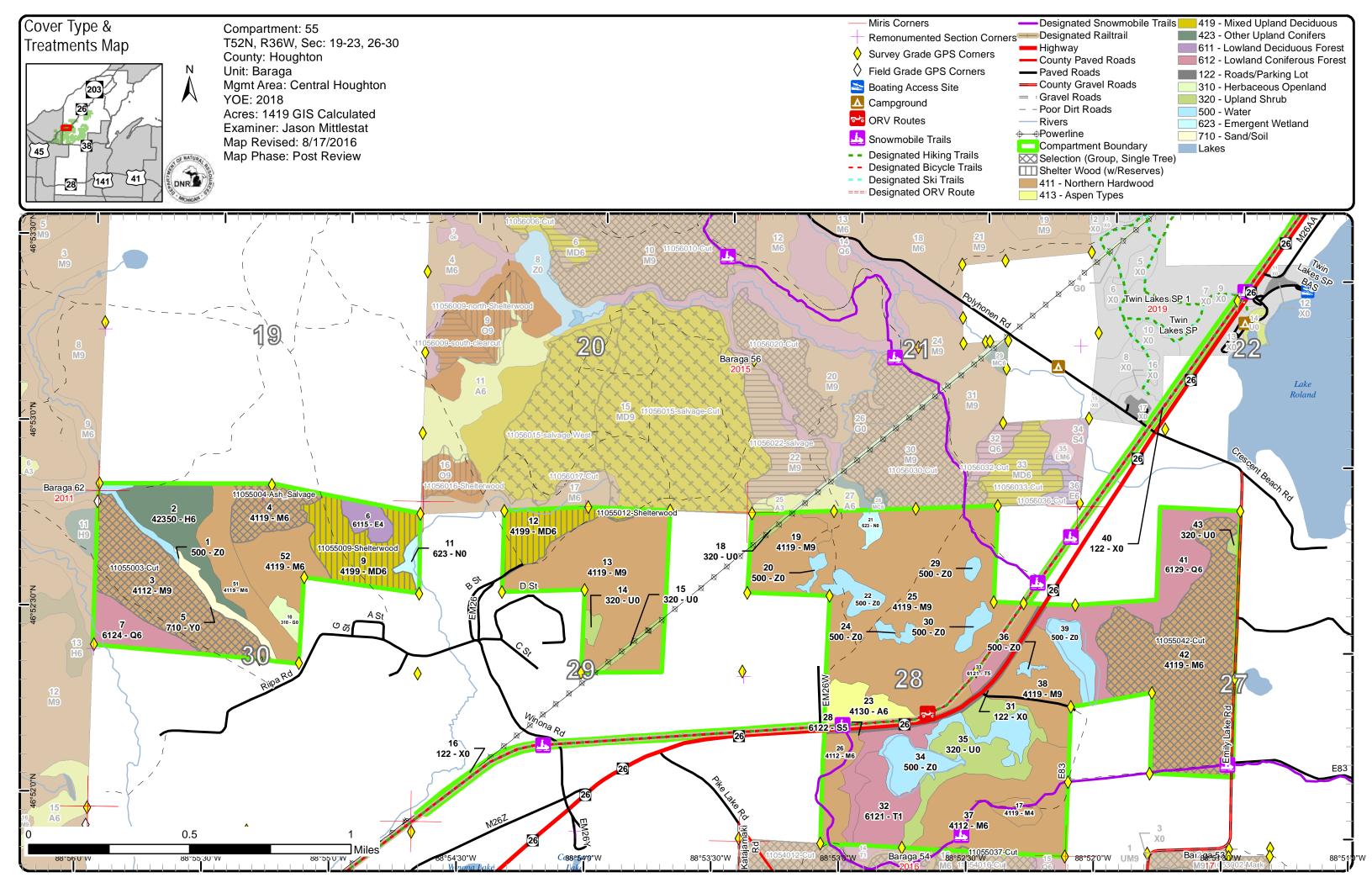
The following reports from the Inventory are attached:

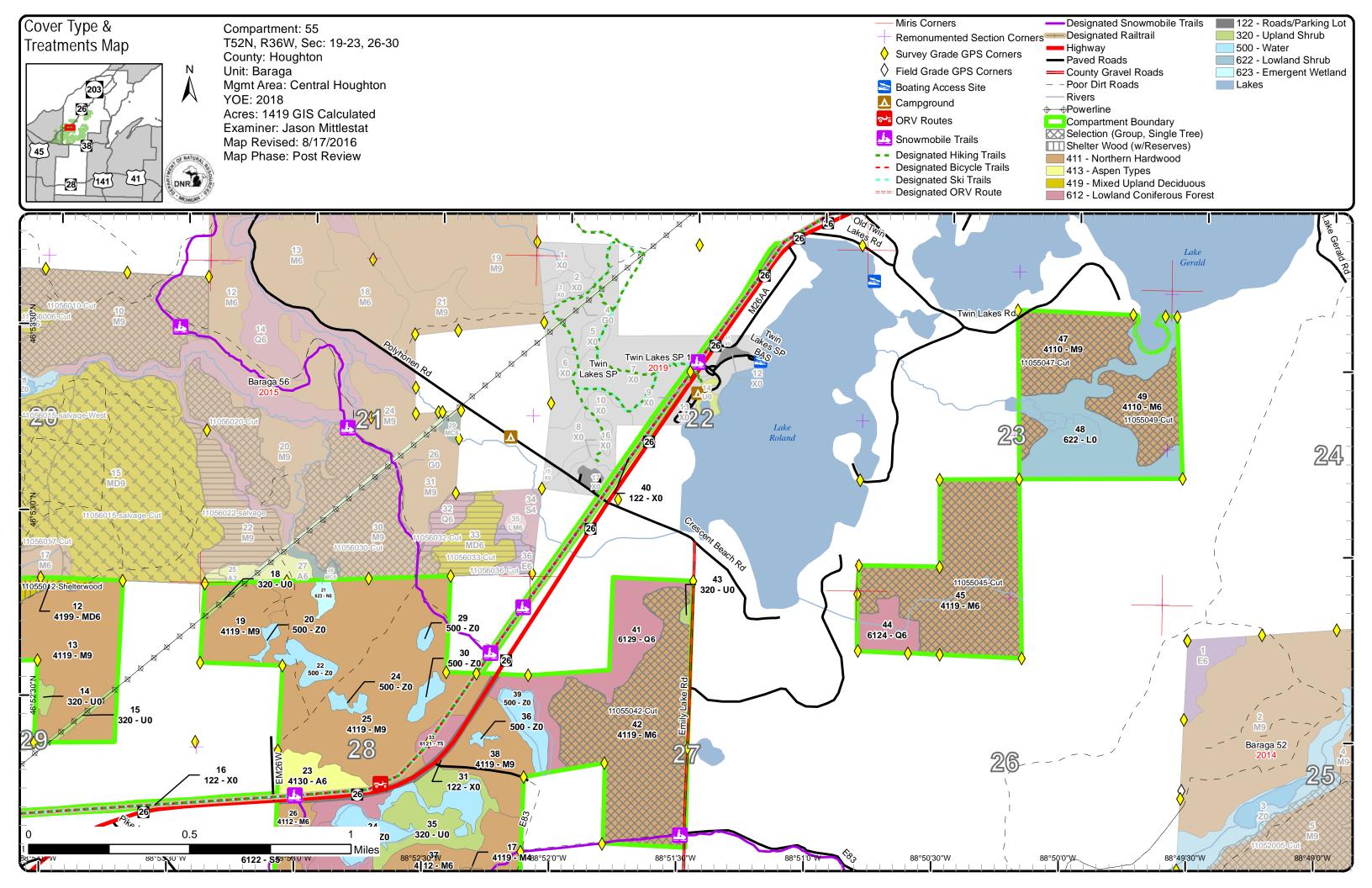
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

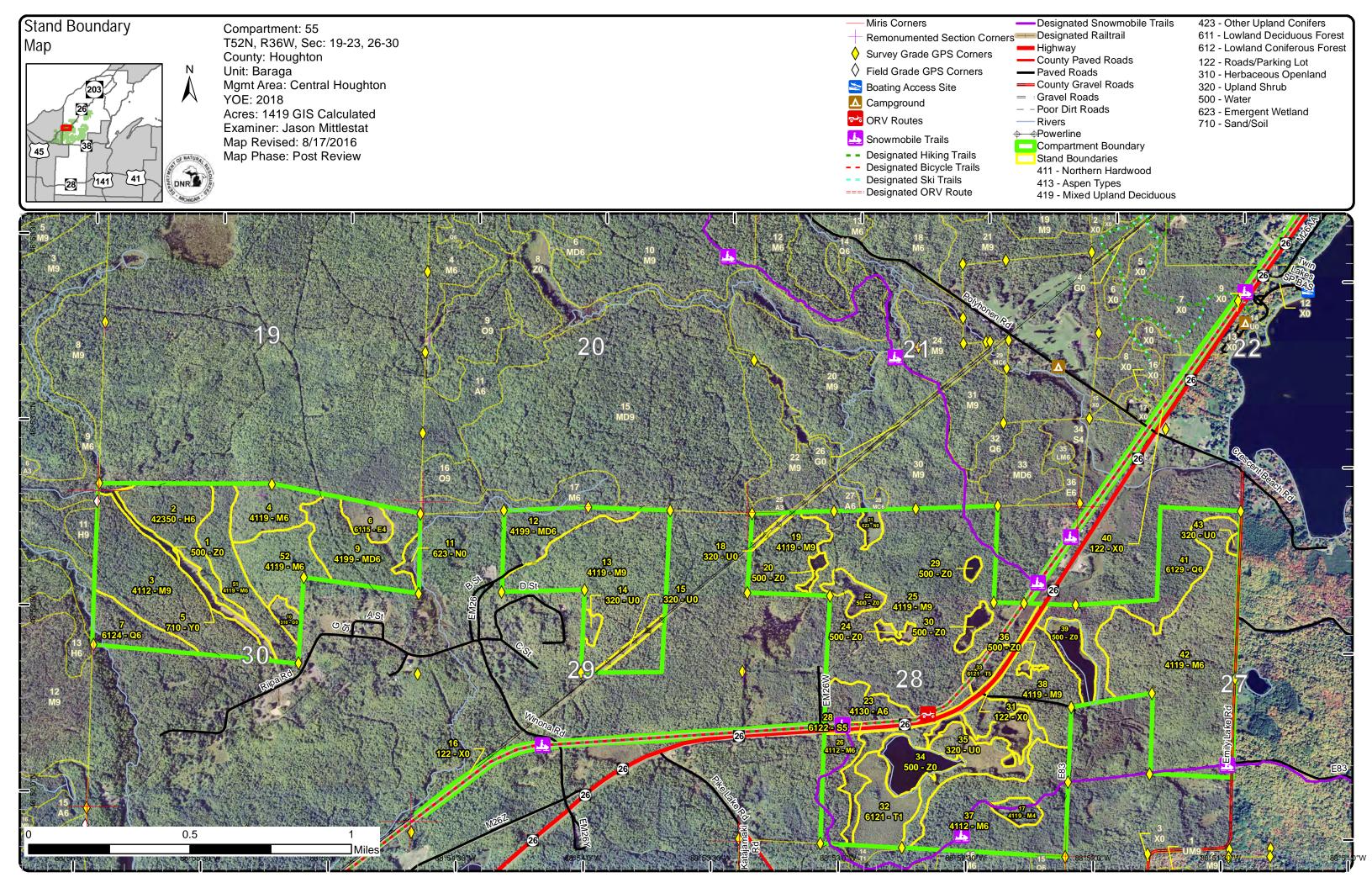
The following information is displayed, where pertinent, on the attached compartment maps:

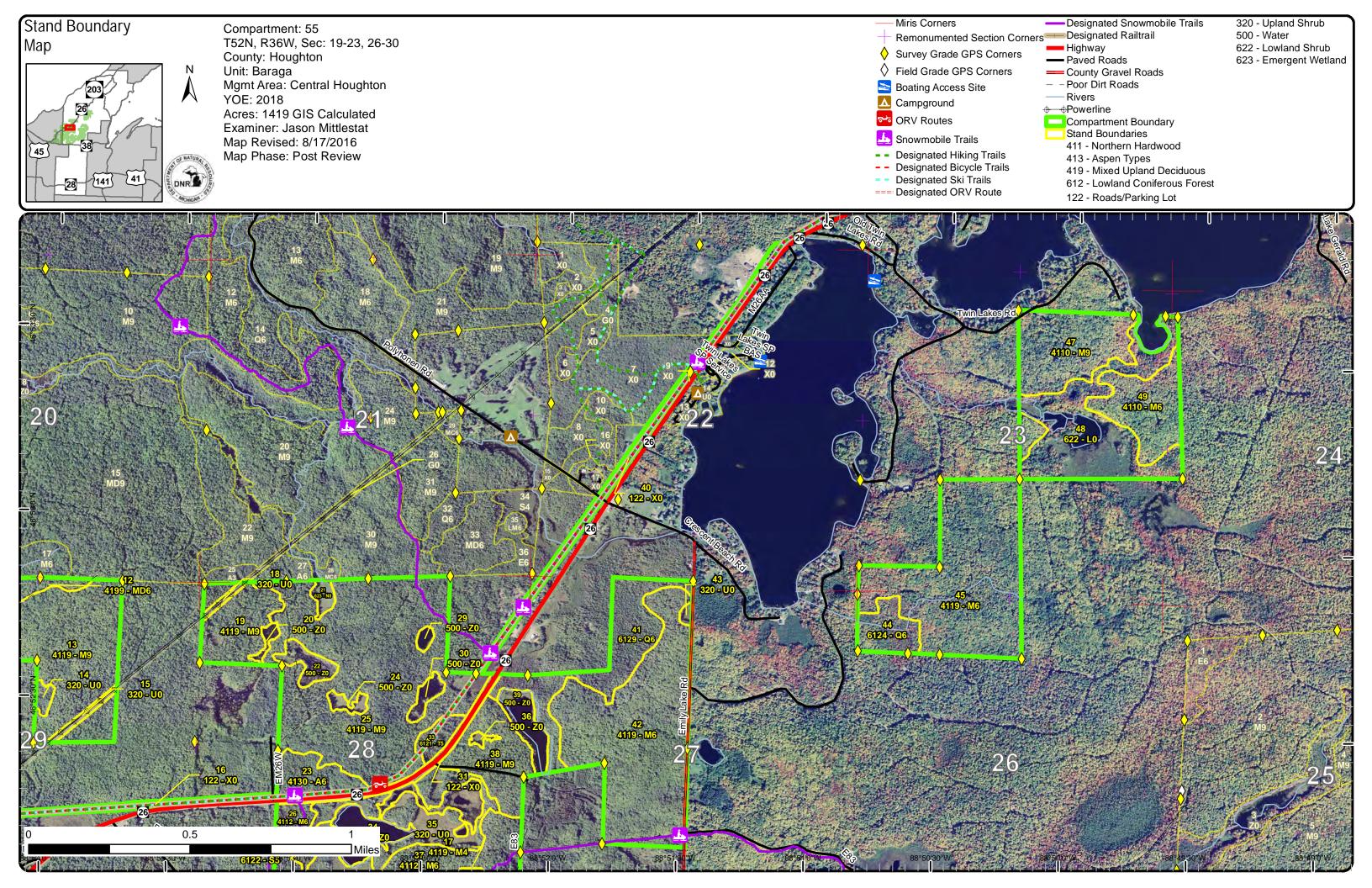
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

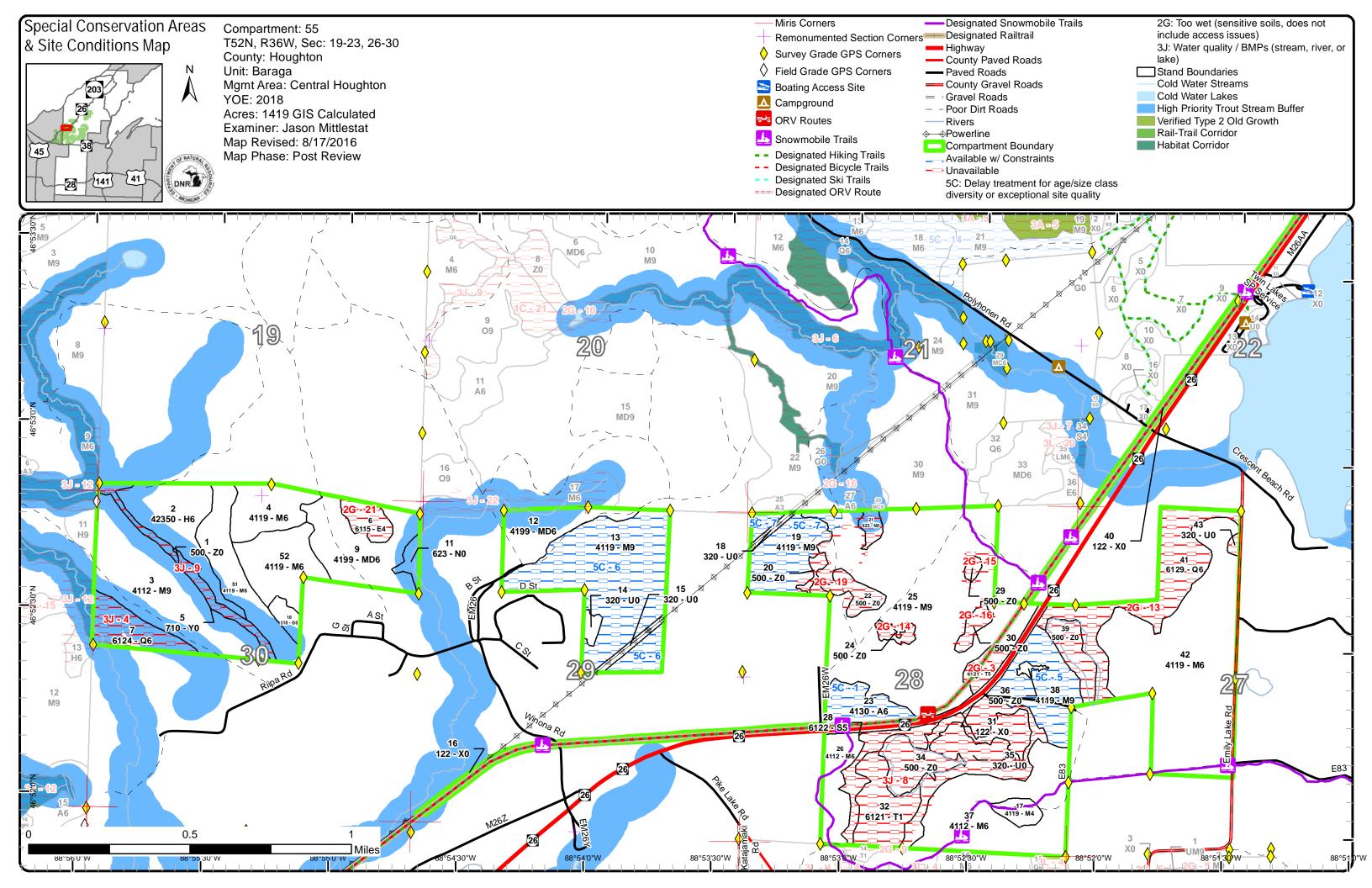


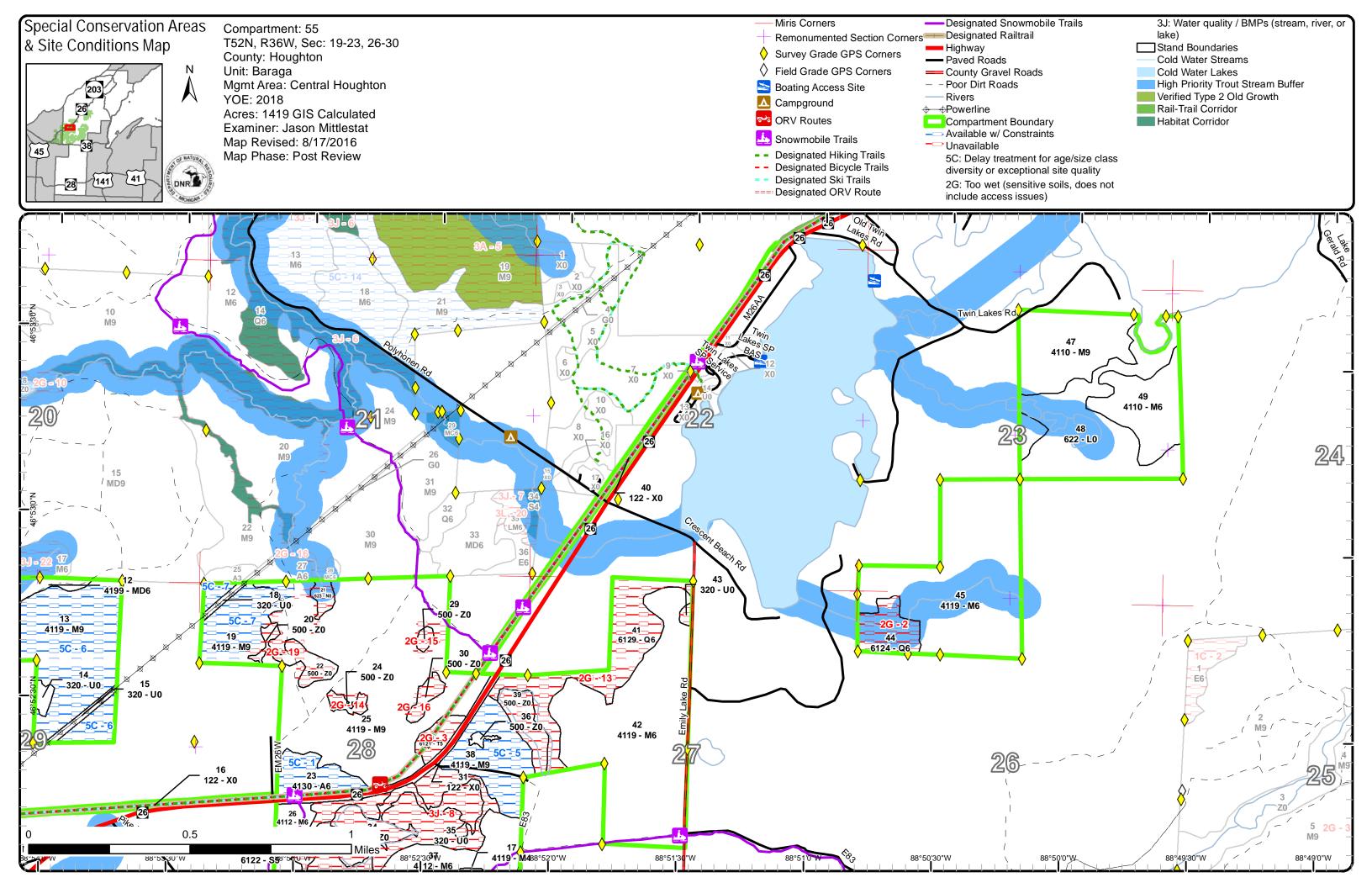












Compartment 55 Year of Entry 2018

Jason Mittlestat : Examiner

Baraga Mgt. Unit



Age Class

	₹0°	A STATE OF THE STA	3 / 2	\$ \ \	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8 /4	10 CO.	, , , , ,	, S	,	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	\$ /6/	20,2	8. / E	S. S. S.	\$5.1.2.3.	OK.	St Jugar	No. No.
Aspen	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	18
Hemlock	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Conifers	0	0	0	0	0	0	47	0	0	16	0	0	0	0	0	0	0	19	82
Lowland Deciduous	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Lowland Shrub	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Lowland Spruce/Fir	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	13
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	41	65
Northern Hardwood	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	877	914
Sand, Soil	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Tamarack	0	0	0	0	0	24	0	8	0	0	0	0	0	0	0	0	0	0	32
Upland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Urban	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Water	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Total	254	0	0	0	0	42	97	8	66	16	0	0	0	0	0	0	0	937	1420



Report 2 – Treatment Summary

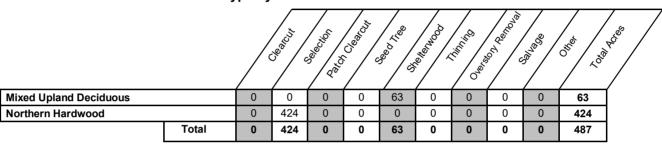
Baraga Mgt. Unit Year of Entry: 2018

Acres of Harvest

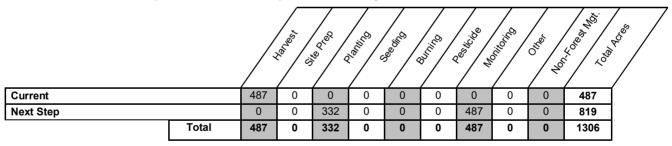
Compartment 55
Total Compartment Acres: 1,419

Commercial Harvest - 487 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Treatments:

Other

There are quite a few oaks in the stand. Treat the stand has hardwoods. Stand 9 to the immediate east is being harvested to manage oak.

Comment:

Proposed Start Date: 10/01/2017

11055009-40.6 4199 - Other Mixed Poletimber 70 81-110 Harvest Shelterwood 4199 - Other Two-Aged Draft Field **Shelterwood Upland Deciduous** Well Mixed Upland Boundary Deciduous

Habitat Cut: No Site Condition:

Prescription Reduce basal area to approx.. 10 ft/ac. Concentrate leave trees on those >20" dbh, which amounts to aprox. 5 tpa or 1 20" tree every 100 ft. If Specs:

smaller diameter (16-inch) trees are needed, then leave closer to 10 tpa. or 1 tree/chain.

This area should be harvested using a non-shortwood operation and be restricted to the fall to maximize scarification.

Next Step Monitoring, Natural Regen (Re-Inventory)

Check with WLD for issues.

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

The eastern part of the stand might get too wet to operate in. There might also be a wet area to be removed from the middle of the stand.

Other Comment:

The "OFS" that shows is not in the correct location.

Proposed Start Date: 10/01/2017

S t			Baraga Mgt. Unit		Re	eport 3	Treatme	nts	•	tment: 55 Entry: 2018	DNR
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
12	11055012- Shelterwood	22.6	4199 - Other Mixed Upland Deciduous	Poletimber Well	75	111- 140	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Two-Aged	Draft Field Boundary
Presci	Habitat Cut: No Site Condition: Prescription Specs: Reduce basal area to approx. 10 ft/ac. Concentrate leave trees on those >20" dbh, which amounts to aprox. 5 tpa or 1 20" tree every 100 ft. If smaller diameter (16-inch) trees are needed, then leave closer to 10 tpa. or 1 tree/chain. This area should be harvested using a non-shortwood operation and be restricted to the fall to maximize scarification.										100 ft. If
Next S Treatn		ring, Natı	ural Regen (Re-Invent	ory)							
Accep Reger		mbinatio	n of the original stand'	s over story	species	s prior to h	narvest.				
Other Comm	nent:		Areas may need to								
			cted 4/5/2016 and has	s asked for g	gps poir	nts. Said r	ed lining out vis	ible areas of conce	rn will be sufficient	<u>-</u>	
Propo	sed Start Date	10/0	01/2017								
37	11055037-Cut	1.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	94	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Field Boundary - Ready for
		harvest	Site Condition: using the prescription		d to the	south					
	Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:										
Accep Reger		x of the o	verstory species								
<u>Other</u>											

Habitat Cut: No	Site Condition:

128.9

10/01/2017

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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 Specs: Complete Marker". Do not allow operations on the snowmobile trail from December 1 - March 31.

Harvest

Single Tree

Selection

411 - Northern

Hardwood

Uneven-

Aged

Draft Field

Boundary

Poletimber

Well

Next Step Planting, Underplant; Monitoring, Natural Regen (Re-Inventory)

4119 - Mixed

Northern Hardwoods

Treatments:

Comment:

Proposed Start Date:

11055042-Cut

<u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.

Regen: **Other**

The south "40" of the stand is newly acquired and has not been treated before. It has patches that looks like old pasture.

111-

140

Comment:

10/01/2017 **Proposed Start Date:**

Compartment: 55 Year of Entry: 2018

S	
t	
а	
n	

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	18/
45	11055045-Cut	115.5	4119 - Mixed Northern Hardwoods	Poletimber Well	78	141- 170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary	

Habitat Cut: No Site Condition:

Specs:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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"

There are patches of good oak saplings. Some scattered oak throughout the stand also. Mark to open up around patches of oak saplings.

Next Step **Treatments:**

Planting, Underplant, Monitoring, Natural Regen (Re-Inventory)

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen: Other

The south part of the stand was cut by Kew Land aprx 20 years ago due to poor survey. BA's are lower.

Comment:

Proposed Start Date: 10/01/2017

51.7 4110 - Sugar Maple Single Tree 11055047-Cut 141-411 - Northern Uneven-Draft Field Sawtimber Harvest Association 170 Selection Hardwood Aged Boundary

Habitat Cut: No Site Condition:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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 Specs:

Next Step Planting, Underplant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Any combination of the original stand's over story species prior to harvest. <u>Acceptable</u>

Regen:

Other DNR mark

Comment:

Proposed Start Date: 10/01/2017

11055049-Cut 35.4 4110 - Sugar Maple Poletimber 141-Harvest Single Tree 411 - Northern Uneven-Draft Field Association Well 170 Selection Hardwood Boundary Aged

Habitat Cut: No Site Condition:

Prescription Selectively thin hardwoods to 70-90 square feet of basal area. 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 Specs:

Complete Marker".

Next Step Planting, Underplant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed:

487.1

Report 4 - Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 55
Year of Entry: 2018

Availability for Management Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 5C 2G 3J Acres Aspen Hemlock Herbaceous Openland **Lowland Conifers Lowland Deciduous** Lowland Shrub Lowland Spruce/Fir Marsh Mixed Upland Deciduous Northern Hardwood Sand, Soil **Tamarack Upland Shrub** Urban Water 1,416 Total Forested Acres 69% 19% 13% 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.

	ninant Site d Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1 .	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
	nents: aspen, look a	t in 2025 to see if it is ready.					
2 U	navailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comr	nents:						
Comr	nents:						

Report 4 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	93	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hold to balance co	mpartment treatment acreage.	Look a	t in 2025-6.			
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hold to balance co	mpartment treatment acreage.	Look a	t in 2025-6.			
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	100	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
				-			

Report 4 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified				
	Comments: Rehabilitated Superfund site, they covered the stamp sand.										
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	61	Unspecified	Unspecified	Unspecified	Unspecified				
C	Comments:										
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified				
(Comments:										
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified				
C	Comments:										
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified				
C	Comments:										
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified				
C	Comments:										

Report 4 – Site Conditions

Baraga Mgt. Unit

Jason Mittlestat: Examiner

21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
С	omments:						

Mgt. Unit

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				

Baraga Mgt. Unit Compartment: 55
Year of Entry 2018



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	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 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	litions that allow naturally-reproduced or ies (e.g., slimy sculpin) to persist from ese conditions due to substantial s are established by Director's action and						
SCA Riparian Area		A transitional area between aquatic and terrestrial ecosystems in 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 their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian cts on water quality and quantity, as well					

s t	Baraga	Mgt. Unit		Report 7	- Forested	Stands Compartment: 55 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42350 - Upland Hemlock	Poletimber Well	32.8	70	51-80	Hemlock stand. Old road bed through the north of the stand that comes from the west side of the creek.
3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	68.9	96	111-140	
4	4119 - Mixed Northern Hardwoods	Poletimber Well	22.3	96	81-110	some super canopy oak, some small balsam.
6	6115 - Lowland Ash	Poletimber Poor	9.0	71	1-50	Flooded ash pocket - Check with MNFI for this stand.
7	6124 - Lowland Spruce- Fir	Poletimber Well	19.2	65	Unspecified	
9	4199 - Other Mixed Upland Deciduous	Poletimber Well	40.6	70	81-110	some small hemlock
12	4199 - Other Mixed Upland Deciduous	Poletimber Well	24.2	75	111-140	
13	4119 - Mixed Northern Hardwoods	Sawtimber Well	93.3	92	141-170	A few elm, LOTS of ash regen. Scattered Oak
17	4119 - Mixed Northern Hardwoods	Poletimber Poor	6.1	50	1-50	Old pasture. Scattered trees.
19	4119 - Mixed Northern Hardwoods	Sawtimber Well	30.6	75	111-140	aspen was removed, lots of aspen regen under the hdwd. Some areas of lower BA due to aspen removal.
23	4130 - Aspen	Poletimber Well	17.6	48	51-80	
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	179.5	97	81-110	cut in the winter of 2010-2011 as part of "Beaver Haven" 11-013- 08-01 Parts of the stand were under planted to white pine and hemlock by WLD in ~2012
26	4112 - Maple, Beech, Cherry Association	Poletimber Well	18.9	97	81-110	Thinned in 2008. Part of Skeeter Haven 11-014-08-01
28	6122 - Black Spruce	Poletimber Medium	12.8	57	1-50	WET black spruce along edge of bog with some tag and tamarack.
32	6121 - Tamarack	Sapling Poor	24.3	48	1-50	Sparsely treed bog
33	6121 - Tamarack	Poletimber Medium	7.5	65	1-50	Wet "ditch" along the Nichols grade T4 or T5 stand

s t	Baraga Mgt. Unit			Report 7	– Forested	Stands Compartment: 55 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	4112 - Maple, Beech, Cherry Association	Poletimber Well	67.3	94	81-110	Cut 1988 as Bob Hall Lake Hdwds 11-003-88-01 North East part of stand was also thinned through in 1998 as part of Old Coot Hdwd 11-004-98-01 Harvested in 2008, Skeeter Haven 11-014-08-01
38	4119 - Mixed Northern Hardwoods	Sawtimber Well	34.4	90	111-140	Old coot Hdwd 1998 11-004-98-01 Hold to balance harvest acres in the compartment. Poor quality timber. Look to cut in 2028.
41	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	46.6	55	81-110	Very wet ground.
42	4119 - Mixed Northern Hardwoods	Poletimber Well	128.9	93	111-140	Half Bass 11-005-98-01 South "40" of stand was acquired ~2014. Some was old pasture. Area should be treated with the rest of the stand to get on rotation.
44	6124 - Lowland Spruce- Fir	Poletimber Well	16.4	86	51-80	Very wet ground.
45	4119 - Mixed Northern Hardwoods	Poletimber Well	115.5	78	141-170	Roland Lake Block 11-001-99-01 Some pockets of good oak regen.
47	4110 - Sugar Maple Association	Sawtimber Well	51.7	71	141-170	Roland Lake Block 11-001-99-01
49	4110 - Sugar Maple Association	Poletimber Well	35.4	71	141-170	Roland Lake Block 11-001-99-01

4119 - Mixed Northern Hardwoods

4119 - Mixed Northern

Hardwoods

51

52

Poletimber

Well

Poletimber

Well

31.0

30.5

55

55

81-110

81-110

Look to treat for 2028. Possible final harvest at that time. Poor

quality hardwoods.

some super canopy oak, some small balsam.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	500 - Water	5.0	No	
5	710 - Sand, Soil	7.7	No	Capped (aprx 2008) stamp sand on either side of a creek.
10	310 - Herbaceous Openland	4.9	No	Some scattered apple trees.
11	623 - Emergent Wetland	4.3	No	Drainage
14	320 - Upland Shrub	2.9	No	Some scattered apple trees.
15	320 - Upland Shrub	3.3	No	Powerline ROW
16	122 - Road/Parking Lot	17.1	No	Nichols Trail
18	320 - Upland Shrub	2.0	No	Powerline ROW
20	500 - Water	2.4	No	
21	623 - Emergent Wetland	3.9	No	
22	500 - Water	8.4	No	
24	500 - Water	3.4	No	
29	500 - Water	1.9	No	
30	500 - Water	4.8	No	
31	122 - Road/Parking Lot	11.6	No	M-26
34	500 - Water	28.1	No	Bob Hall Lake
35	320 - Upland Shrub	35.4	No	
36	500 - Water	1.3	No	

Report 8 - Nonforested Stands



Stand	Cover Type	Acres	Managed Site	General Comments:
39	500 - Water	12.5	No	
40	122 - Road/Parking Lot	20.2	No	Nichols Grade
43	320 - Upland Shrub	1.4	No	
48	622 - Lowland Shrub	71.2	No	