

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.

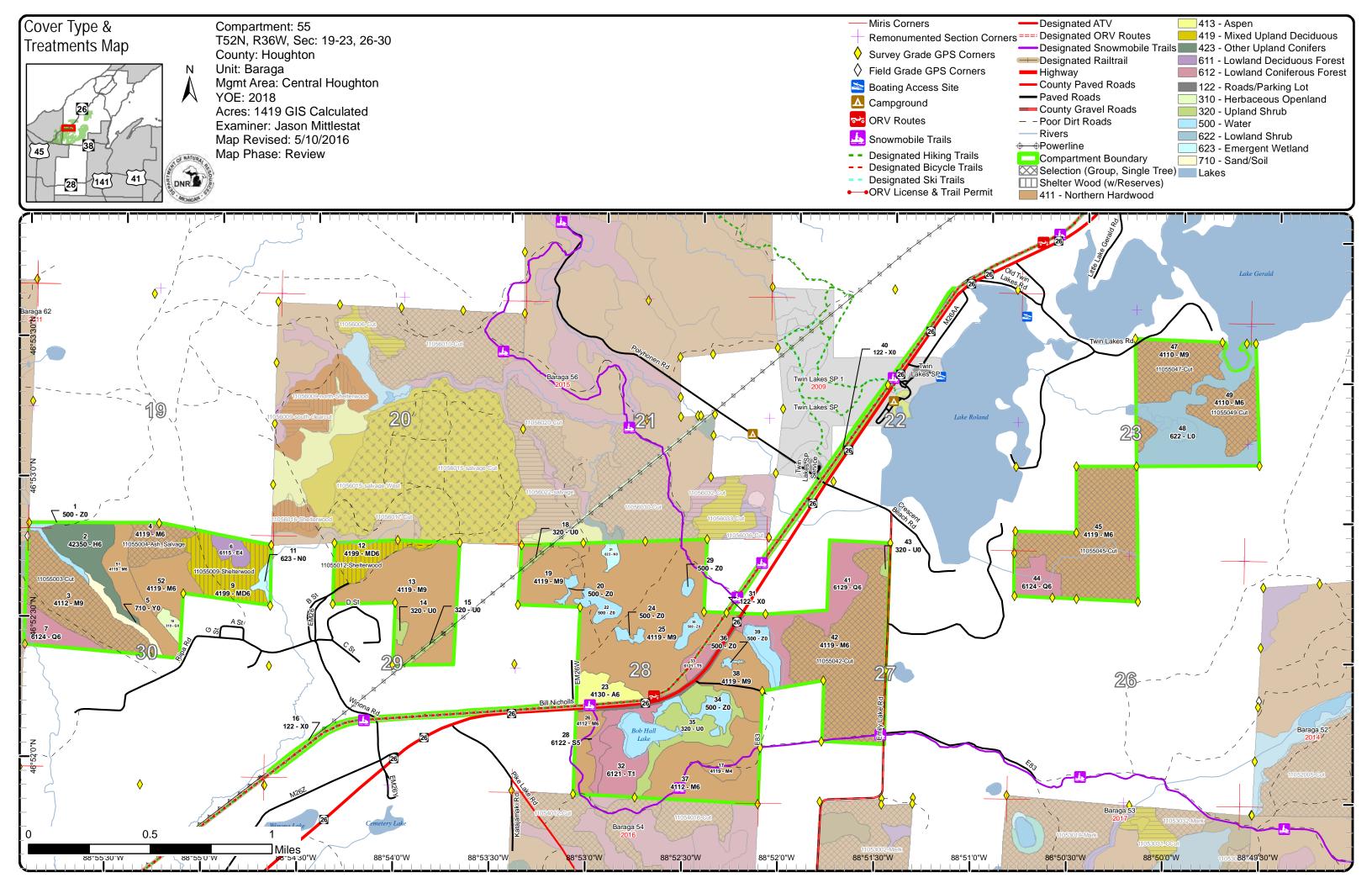
Additional Compartment Information:

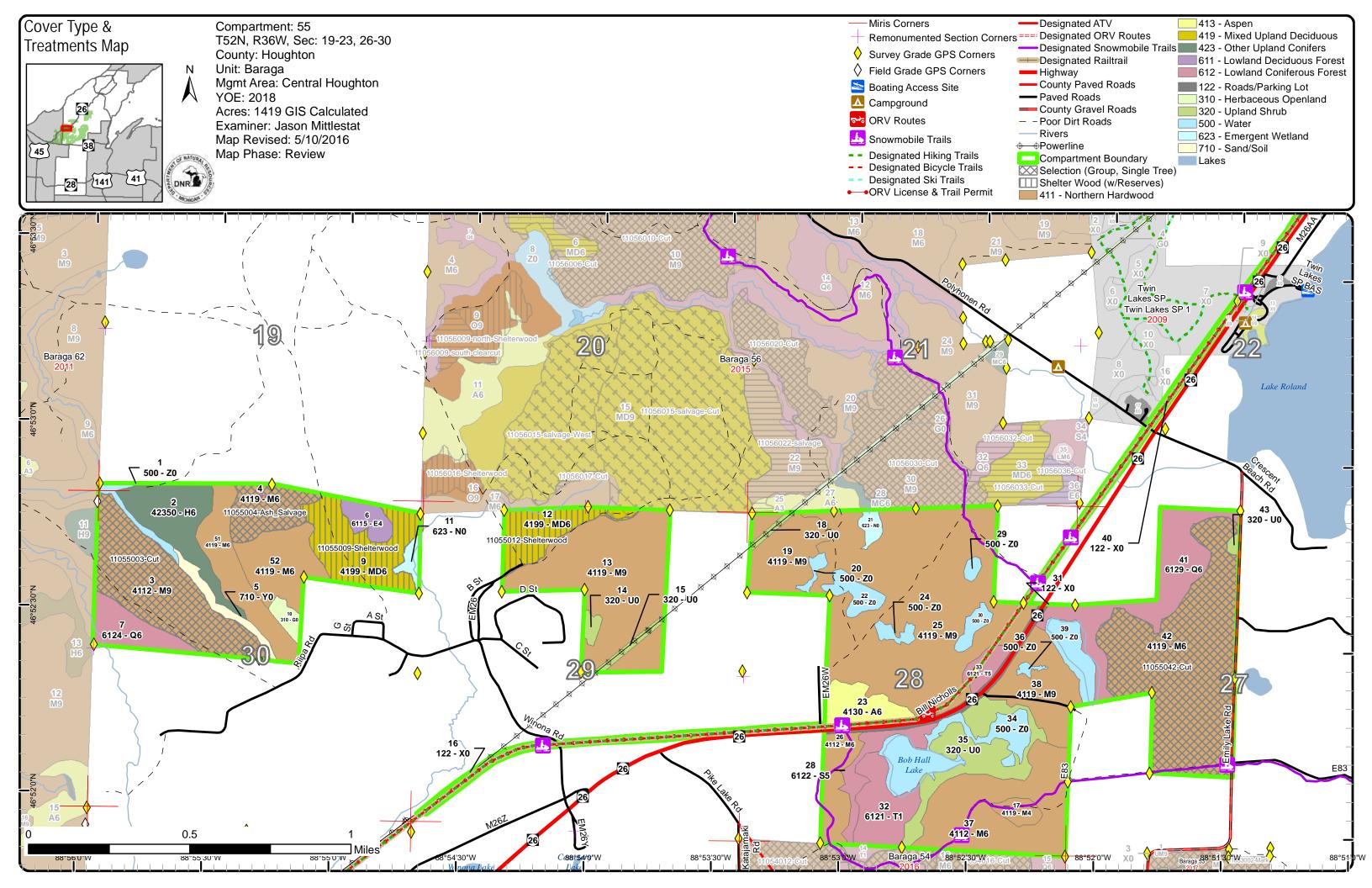
The following reports from the Inventory are attached:

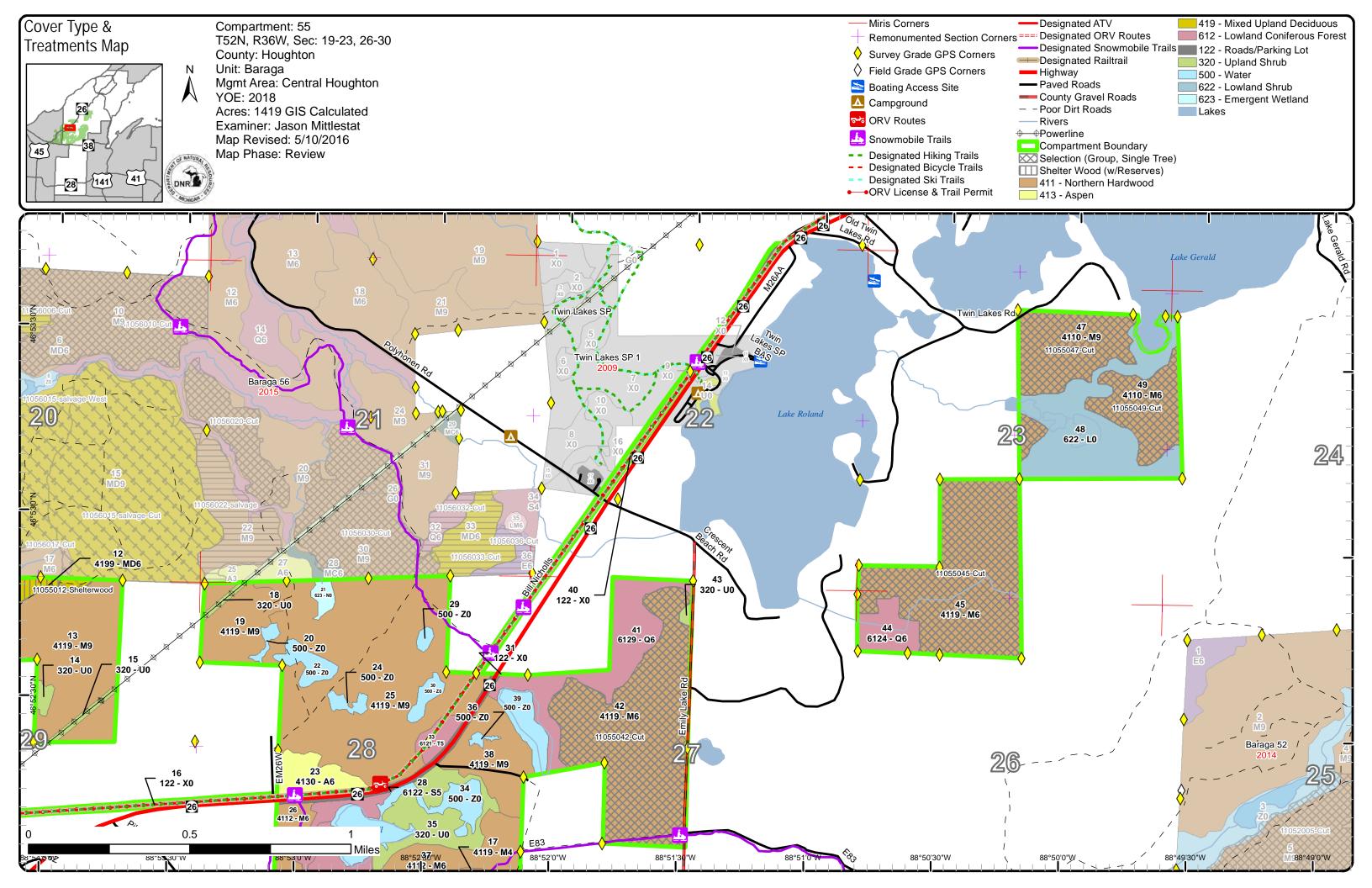
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

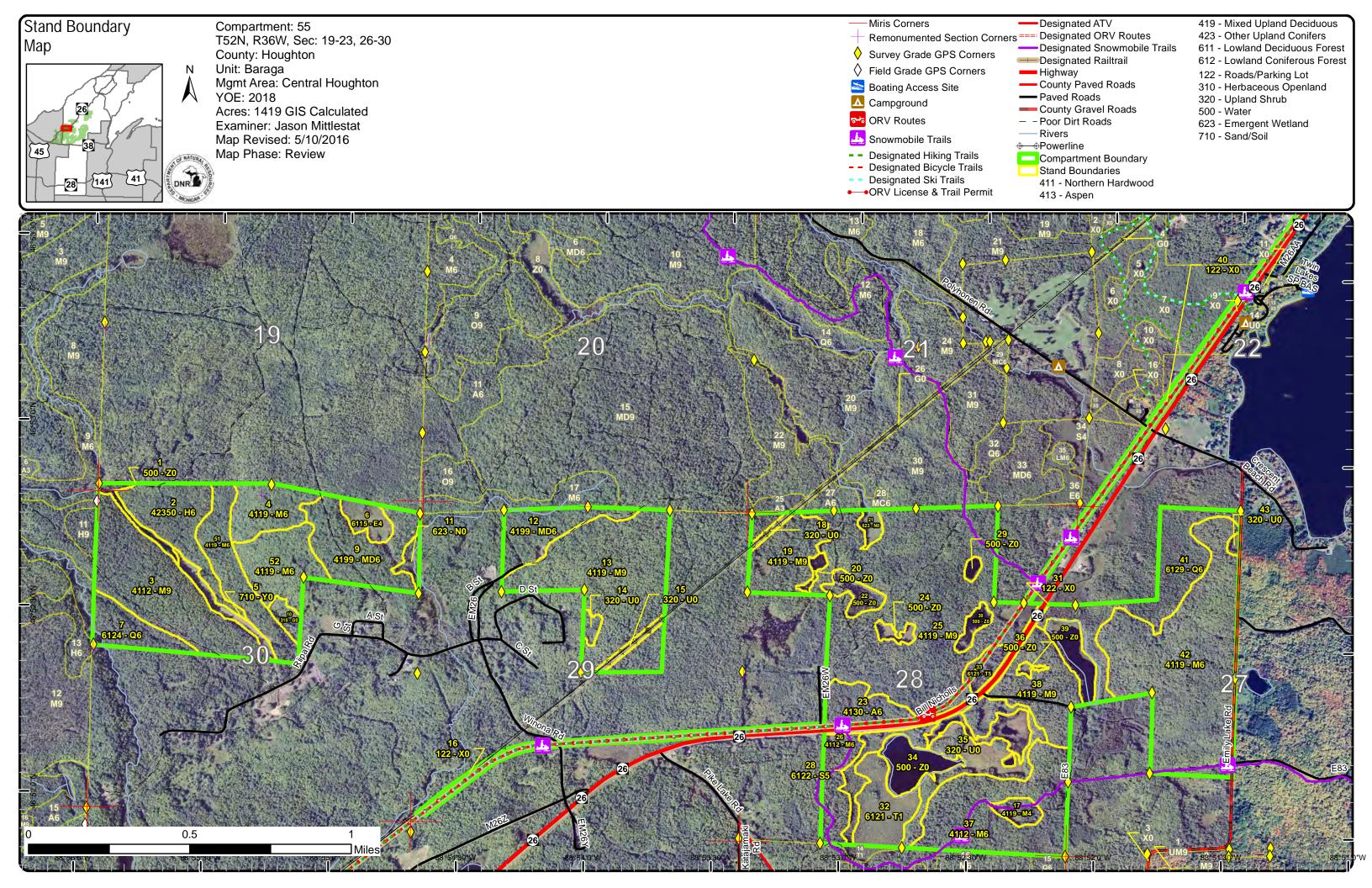
The following information is displayed, where pertinent, on the attached compartment maps:

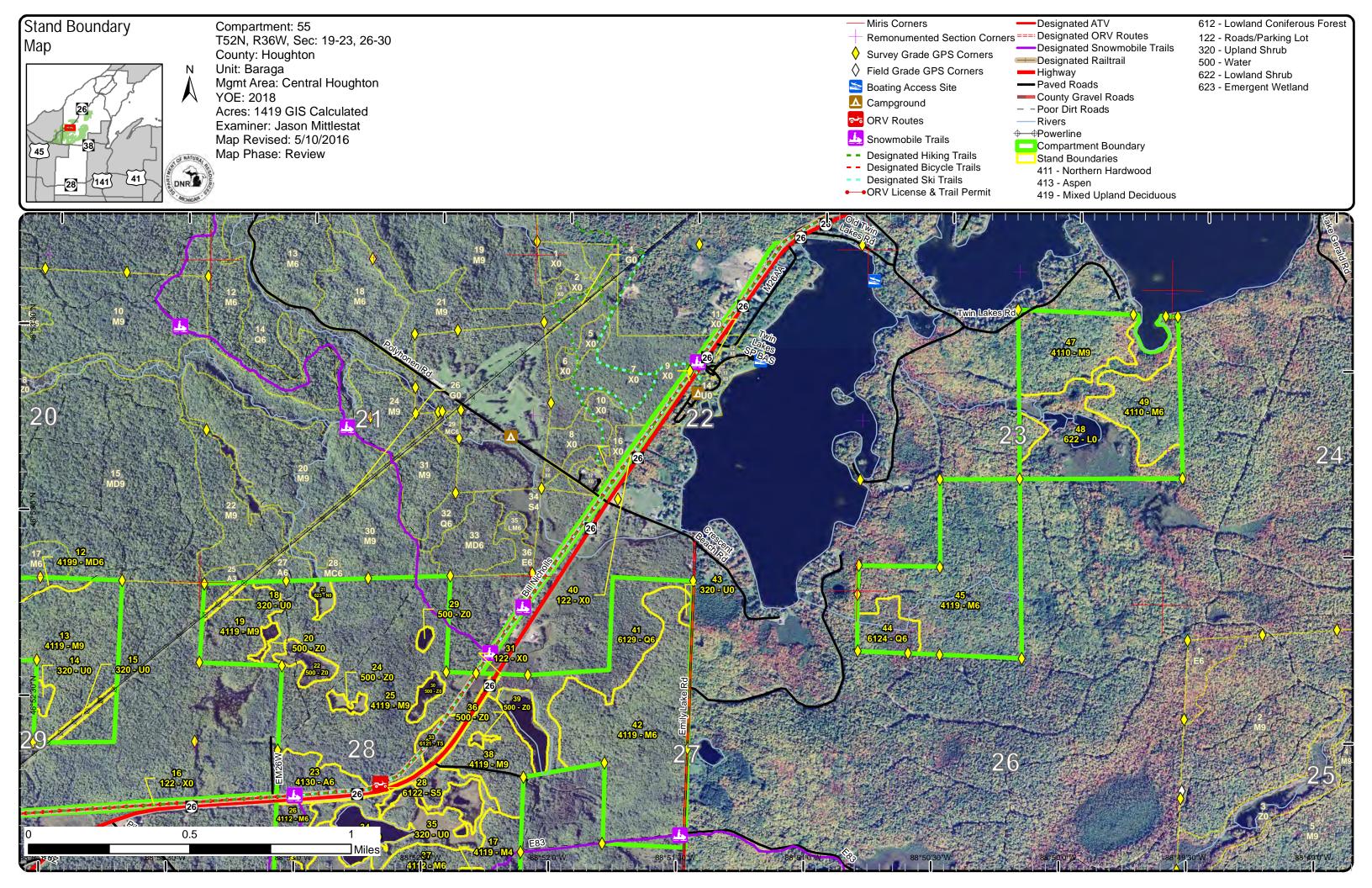
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

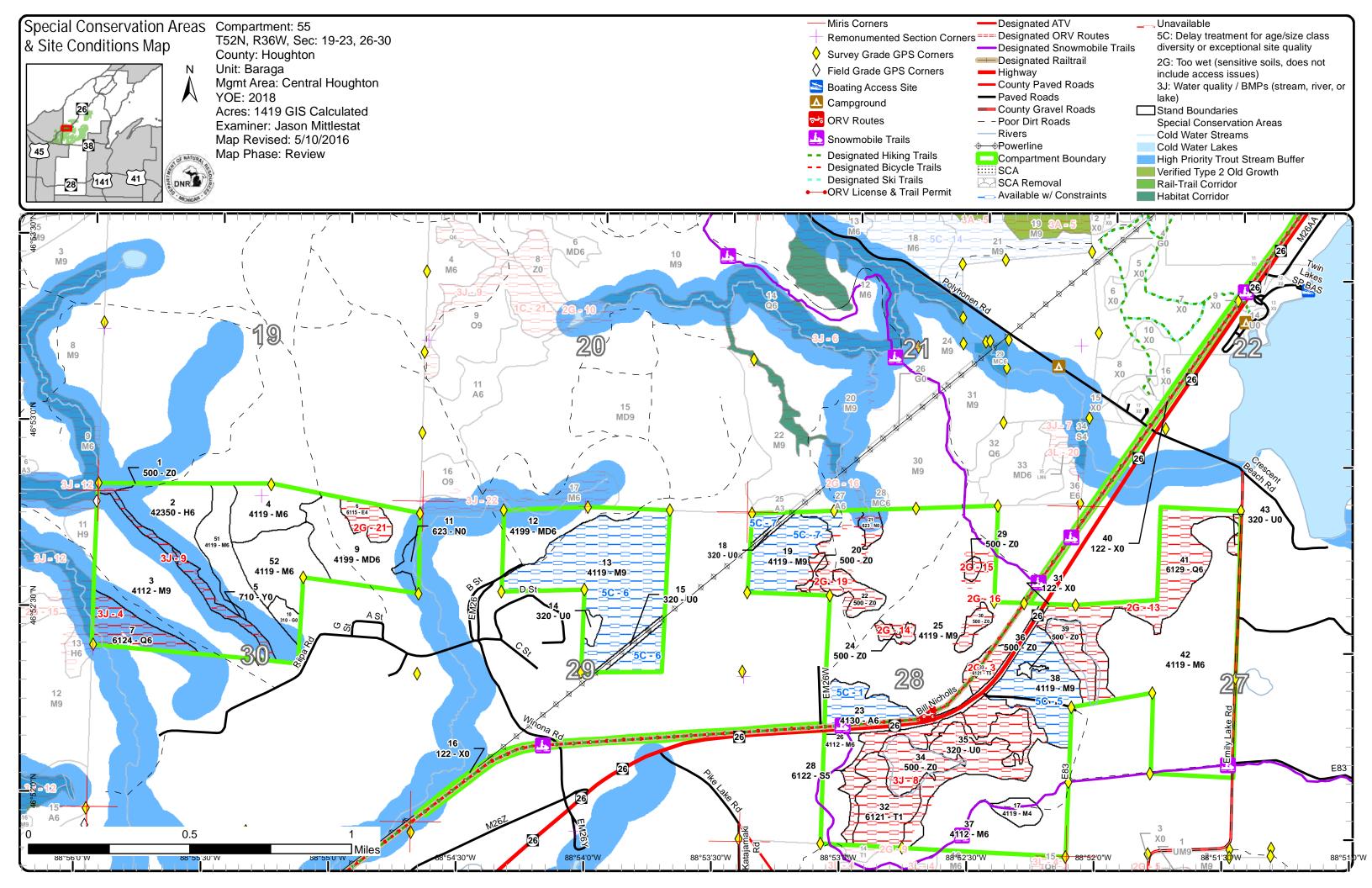


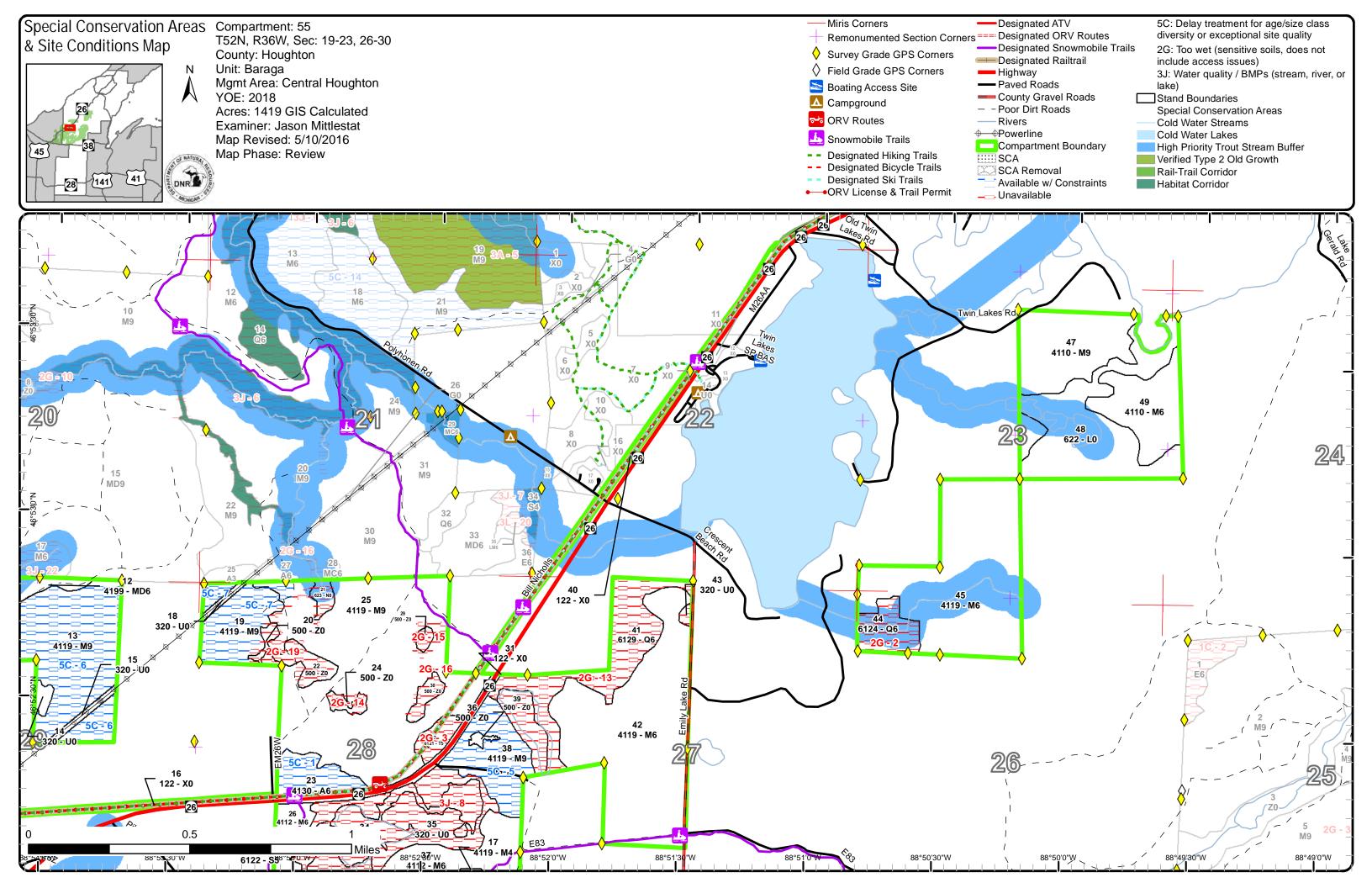












Compartment 55 Year of Entry 2018

Jason Mittlestat: Examiner

Baraga Mgt. Unit



Age Class

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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	7	0	0	0	0	0	0	0	0	0	0	31
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	7	66	16	0	0	0	0	0	0	0	937	1419



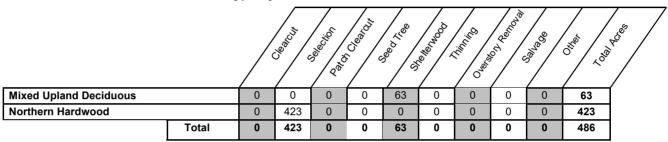
Report 2 – Treatment Summary

Baraga Mgt. Unit

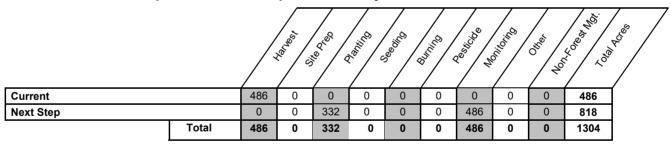
Compartment 55 Year of Entry: **Total Compartment Acres: 1,419 Acres of Harvest**

> Commercial Harvest - 486 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Habitat Cut: No Site Condition:

Prescription Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. 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 Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

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Other Comment:

Proposed Start Date: 10/01/2017

22.3 Poletimber 11055004-4119 - Mixed 96 81-110 Single Tree 411 - Northern Uneven-Proposal Harvest Ash_Salvage Northern Hardwoods Well Selection Hardwood Aged

Habitat Cut: No Site Condition:

Prescription

Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. 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 Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen: 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

9 11055009- 40.6 4199 - Other Mixed Poletimber 70 81-110 Harvest Shelterwood 4199 - Other Two-Aged Proposal Mixed Upland Deciduous Well Mixed Upland 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)

Treatments:

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

Regen: Other

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.

Comment:

Check with WLD for issues.

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

Proposed Start Date: 10/01/2017

Compartment: 55 Year of Entry: 2018

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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
12	11055012- Shelterwood	22.6	4199 - Other Mixed Upland Deciduous	Poletimber Well	75	111- 140	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Two-Aged	Proposal

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

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)

Treatments:

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

Regen:

Other 6 2 2 Check with HAL. Areas may need to be redlined out.

Comment:

HAL was contacted 4/5/2016 and has asked for gps points. Said red lining out visible areas of concern will be sufficient.

Proposed Start Date: 10/01/2017

42 11055042-Cut 128.9 4119 - Mixed Poletimber 111-Harvest Single Tree 411 - Northern Uneven-Proposal Northern Hardwoods Well 140 Selection Hardwood 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 Specs: 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". Do not allow operations on the snowmobile trail from December 1 - March 31.

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

Treatments:

Acceptable 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.

Comment

Proposed Start Date: 10/01/2017

11055045-Cut 115.5 4119 - Mixed Poletimber 141-Harvest Single Tree 411 - Northern Uneven-Proposal Northern Hardwoods 170 Selection Hardwood 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 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 Planting, Underplant; Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen: <u>Other</u>

Specs:

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

Comment:

DNR Mark

Proposed Start Date: 10/01/2017

Baraga Mgt. Unit Report 4 -- Treatments Compartment: 55 s Year of Entry: 2018 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age **Approval** n Method Objective Structure Status d Name CoverType Density Age Range Type 11055047-Cut Single Tree 47 51.7 4110 - Sugar Maple Sawtimber 141-Harvest 411 - Northern Uneven-Proposal Association 170 Selection Hardwood Well 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 Specs: set forth in "The 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 **DNR** mark Comment: Proposed Start Date: 10/01/2017 11055049-Cut 411 - Northern 35.4 4110 - Sugar Maple Poletimber 141-Harvest Single Tree Uneven-Proposal Association Well 170 Selection Hardwood 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 Complete Marker"

set forth in "The 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:

486.0

Report 5 - Site Conditions

Baraga Mgt. Unit

Jason Mittlestat : Examiner

Compartment: 55
Year of Entry: 2018

Availability for Management Total Acres Avail **Dominant Site Conditions** Acres Acres With Condition Not Available 2G 3J Acres Available 5C 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.

	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
	t in 2025 to see if it is ready.					
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
	Available Comments: Small aspen, look a	Available Sometiment Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small aspen, look at in 2025 to see if it is ready. Unavailable 2G: Too wet (sensitive soils, does not include access issues)	Available Sometiments: Comments: Comments	Cond Availability Dominant Site Condition Acres Other Site Condition Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small aspen, look at in 2025 to see if it is ready. Unavailable 2G: Too wet (sensitive soils, does not include access issues) Other Site Condition Unspecified Unspecified Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small aspen, look at in 2025 to see if it is ready. Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: Small aspen, look at in 2025 to see if it is ready. Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified

Report 5 – 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 at i	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 at i	in 2025-6.			
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	100	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 5 – 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 Supe	rfund site, they covered the sta	amp 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
C	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 5 – 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
Co	omments:						

Mgt. Unit

Compartment: 55 Year of Entry: 2018



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: 55
Year of Entry 2018



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.

Conservation 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 condition stocked trout populations and those of other coldwater fish specific conditions 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	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from see conditions due to substantial
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	a Mgt. Unit		Report 8	- 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 8	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
51	4119 - Mixed Northern Hardwoods	Poletimber Well	31.0	55	81-110	Look to treat for 2028. Possible final harvest at that time. Poor quality hardwoods.

4119 - Mixed Northern Hardwoods

52

Poletimber Well

30.5

55

81-110

some super canopy oak, some small balsam.

Baraga Mgt. Unit

Report 9 - Nonforested Stands



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 9 - 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	