



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 2 ENTRY YEAR: 2012

Compartment Acreage: 1859 County: Cheboygan

Review Date:

August 25, 2010

Stand Examiner:

Rick McDonald

Legal Description:

T34N - R01W sections 20, 29, 32

RMU (if applicable):

Not Applicable

Management Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

Terrain is flat to gently rolling with the uplands comprised of primarily well-drained Cheboygan-Blue Lakes Ass. and Au Gres-Rubicon-Roscommon Assoc.

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

Nearly all state-owned lands bordering private on the north.

Unique, Natural Features (include only non-site specific and non-sensitive information):

None identified.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

None identified.

Special Management Designations or Considerations:

The Pigeon River is a State-designated Natural River.

Watershed and Fisheries Considerations:

A portion of the Pigeon River flows through the southwest corner of the compartment. Both Nelson and McIntosh Creeks have their headwaters in or near this compartment and both flow into the Pigeon River. Heavy beaver activity on both waterways.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 20, 29 & 32, T34N-R1W, Cheboygan County

Surface sediments consist of coarse textured glacial till and minor glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 50 and 200 feet. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Group, quarried for stone and cement products elsewhere in the State. The nearest gravel pit is three miles to the northeast, and potential is considered low in this area. No oil and gas leases remain after 2001. There is no oil and gas potential for known producing formations in this compartment.

Vehicle Access:

There is good access to most, if not all, of the compartment. Most of the forest roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

No developed recreational facilities or trails exist in this compartment and none are needed.

Fire Protection:

Access is generally good in case of any fire suppression efforts, though the area is generally at low risk to any wildfire potential. Most road systems are closed with berms.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 2

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		188	9	70	684			20											971
Black Spruce					5														5
Cedar											8	14	47						69
Grass	40																		40
Lowlnd Brush	111																		111
Lowlnd Poplr					18														18
Marsh	102																		102
Mx Swmp Cnfr					36	65		12	87	43								11	254
Paper Birch					20	38													58
Red Pine								7										18	25
Spruce Fir		4	3		17	11		60	8									32	135
Swamp Hrdwds				2				6										6	14
Upland Brush	1				9														10
Water	30																		30
White Pine							3		8								3	3	17
Total	284	192	12	72	789	114	3	105	103	43	8	14	47				3	70	1859

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 2

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	971																										971
S Black Spruce		5																									5
C Cedar				69																							69
G Grass					40																						40
L Lowlnd Brush									111																		111
P Lowlnd Poplr										18																	18
N Marsh											102																102
Q Mx Swmp Cnfr												254															254
B Paper Birch															58												58
R Red Pine															25												25
F Spruce Fir																			135								135
E Swamp Hrdwds																				14							14
U Upland Brush																								10			10
Z Water																									30		30
W White Pine																										17	17
Total	971	5		69	40				111	18	102	254			58	25			135	14			10		30	17	1859

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **2**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8762 Cds	Hardwood	1238 Cds
Hardwood	317 Mbf	Hardwood	75 Mbf
Softwood	5763 Cds	Softwood	737 Cds
Softwood	657 Mbf	Sum CutVol	2125 Cds
Sum TotVol	16473 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	120
1859		Acres Meeting Silv Criteria.....	134
		Acres Not Meeting Silv Criteria.....	1725
		Acres Unable to Determine Silv Criteria For.....	

**Proposed Treatments
With Limiting Factors**

Compartment:002

Entry Year:2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 2

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
15	A6	22	45	60	ASPEN (UPLAND)	IMMATURE	FINAL HARVEST	1			
26	F6	39	77	60	SPRUCE-FIR (UPLANDS- INCLUDING UPLAND BLACK SPRUCE)	MATURE	FINAL HARVEST	1			
36	B6	21	50	53	PAPER BIRCH	IMMATURE	FINAL HARVEST	1			
74	A6	38	40	60	ASPEN (UPLAND)	IMMATURE	FINAL HARVEST	1			
405	G0	12	0		GRASS	NONSTOCKE D		0	OPENING MAINTENANCE		
comnts Fmd : Old logging road system that has been treated in the past by wildlife for a "grouse walk".											
Total Acres.....		132									

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	Q 6	Q 1	8	90	8	150	32	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
2	L 0	L 0	8		0	0		lowland brush	nonstocked	N		not scheduled	0	
3	U 0	U 0	1			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : SMALL OPENING BEST TO MAINTAIN MANUALLY														
4	A 5	A 2	25	41	6	60	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Sapling stage emerging into pole stand. Part of larger stand to the east. Manage with that stand.														
5	R 9	F 1	3	70	14	80	57	red pine	immature	N		10-19 years	0	
comnts Fmd : Small pocket of pine left behind from last cutting. This stand can be treated with stand 4 when it's cut.														
6	F 5	F 1	16	70	8	70	50	spruce-fir (uplands-including upland black spruce)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to small acreage														
comnts Fmd : Some blowdown occurring. Difficult access and small acreage with low volume makes this stand unattractive on it's own. If cut, leave some down trees for rabbitat.														
7	Z 0	Z 0	5		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Beaver Pond														
8	F 6	F 2	4	87	8	70	50	spruce-fir (uplands-including upland black spruce)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Deer yards														
comnts Fmd : No access to this stand.														
9	Q 6	F 2	12	70	8	120	60	mixed swamp conifer	mature	N		not scheduled	0	
comnts Fmd : No access. Private land on the north.														
10	Z 0	Z 0	25		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Beaver Pond														
11	N 0	N 0	16		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Back end of Beaver flooding. Stand contains Heron rookery.														
12	A 5	A 2	41	40	6	60	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Stand is variable, some areas of pole size timber.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
13	A 3	A 3	20	16		0	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : East half of clearcut that is growing back with aspen. West half is more wet and has a heavy component of tag alder.														
14	Q 6	L 0	10	45	8	80	55	mixed swamp conifer	immature	N		not scheduled	0	
15	A 6	F 1	22	45	8	80	60	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
16	A 5	A 2	78	40	6	60	60	aspen (upland)	immature	N		10-19 years	0	
17	A 2	A 2	21	17		0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Patchy reproduction, south 1/2 regenerated well but the north end is rather sparce.														
18	F 4	F 2	4	40	4	20	50	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
19	P 2	P 2	18	41		0	60	balsam poplar & swamp aspen and swamp white birch	immature	N		30-39 years	0	
20	Q 6	Q 1	26	41	8	80	50	mixed swamp conifer	immature	N		20-29 years	0	
21	L 0	L 0	18			0		lowland brush	nonstocked	N		not scheduled	0	
22	C 6	L 0	47	122	8	140	30	cedar	mature	N		20-29 years	0	
23	E 3	E 3	2	28		0	30	swamp hardwoods	immature	N		50-59 years	0	
24	F 6	F 1	5	77	8	130	55	spruce-fir (uplands-including upland black spruce)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage														
25	A 3	A 3	4	28	4	0	60	aspen (upland)	immature	N		20-29 years	0	
26	F 6	F 1	39	77	8	100	60	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D B		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					H	BA								
27	Q 5	Q 1	49	82	8	50	30	mixed swamp conifer	low quality	N		30-39 years	0	
28	A 3	A 3	35	16		0	60	aspen (upland)	immature	N		30-39 years	0	
29	L 0	L 0	13		0	0		lowland brush	nonstocked	N		not scheduled	0	
30	A 5	A 2	46	36	6	50	70	aspen (upland)	immature	N		10-19 years	0	
31	B 6	F 2	20	42	8	70	60	paper birch	immature	N		10-19 years	0	
32	A 3	A 3	18	17		0	60	aspen (upland)	immature	N		30-39 years	0	
33	U 0	U 0	9	40		0	60	upland brush	nonstocked	N		not scheduled	0	
34	Q 6	F 1	11		8	100	58	mixed swamp conifer	unevenaged	N		not scheduled	0	
comnts Fmd : Stand is full of springs that feed a small stream flowing into Nelson Cr.														
35	Q 6	F 1	9	86	8	90	33	mixed swamp conifer	immature	N		not scheduled	0	
comnts Fmd : Wet drainage thru stand														
36	B 6	F 2	21	50	8	90	53	paper birch	immature	N	final harvest	within 0-9 years	1	
37	Q 6	F 1	35	50	8	110	55	mixed swamp conifer	immature	N		10-19 years	0	
comnts Fmd : Creek running through stand, some die off from beaver flooding occurring.														
38	L 0	L 0	11			0		lowland brush	nonstocked	N		not scheduled	0	
39	A 5	F 3	20	32	8	50	60	aspen (upland)	immature	N		10-19 years	0	
40	L 0	L 0	2			0		lowland brush	nonstocked	N		not scheduled	0	

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
41	B 5	F 1	17	55	8	60	50	paper birch	immature	N		20-29 years	0	
42	F 5	F 2	13		9	60	57	spruce-fir (uplands-including upland black spruce)	unevenaged	N		20-29 years	0	
comnts Fmd : Stand converting to balsam fir.														
43	Q 5	E 1	15	53	8	60	55	mixed swamp conifer	immature	N		not scheduled	0	
comnts Fmd : Wet drainage flowing into Nelson Cr.														
44	S 2	S 2	5	39	3	0	40	black spruce-swamp	immature	N		30-39 years	0	
45	A 5	A 2	98	40	5	40	60	aspen (upland)	immature	N		10-19 years	0	
46	F 5	F 3	19		8	40	50	spruce-fir (uplands-including upland black spruce)	unevenaged	N		20-29 years	0	
47	W 9	F 1	3		14	70	55	white pine	unevenaged	N		20-29 years	0	
48	A 5	A 2	26	39	5	40	60	aspen (upland)	immature	N		20-29 years	0	
49	Q 5	L 0	15	54	8	40	50	mixed swamp conifer	immature	N		20-29 years	0	
50	N 0	N 0	86			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Nelson Creek floodplain. A long history of Beaver activity influences constantly changing vegetation types throughout the floodplain.														
51	E 4	L 0	6	73	8	30	45	swamp hardwoods	immature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
52	A 2	A 2	34	16	0	0	60	aspen (upland)	immature	N		40-49 years	0	
53	W 6	W 1	3	60	8	70	50	white pine	immature	N		20-29 years	0	
comnts Fmd : Small portion of larger stand to the east														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
54	A 5	A 2	3	40	6	50	60	aspen (upland)	immature	N		10-19 years	0	
55	Q 5	L 0	29	82	8	50	45	mixed swamp conifer	low quality	N		not scheduled	0	
56	R 8	R 1	18		12	60	56	red pine	unevenaged	N		10-19 years	0	
57	A 5	G 0	33	39	5	40	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Scattered clones of Aspen thru otherwise grassy rolling hills														
58	C 6	L 0	14	110	8	90	27	cedar	immature	N		not scheduled	0	
59	L 0	L 0	42			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : McIntosh Creek floodplain periodically flooded by beavers														
60	F 2	F 2	3	21	0	0	60	spruce-fir (uplands-including upland black spruce)	immature	N		40-49 years	0	
61	A 3	A 3	9	21	0	0	60	aspen (upland)	immature	N		30-39 years	0	
62	W 9	F 1	5	79	14	70	60	white pine	mature	N		50-59 years	0	
comnts Fmd : Stand was thinned in 2003														
63	A 2	A 2	5	7		0	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Significant browse damage to regeneration														
64	F 5	F 1	4	80	8	60	55	spruce-fir (uplands-including upland black spruce)	immature	Y		not scheduled	0	
Treatment Limiting Factors: Influence zones Water quality/bmps														
65	A 5	L 0	36	39	6	50	60	aspen (upland)	immature	N		10-19 years	0	
66	W 9	F 1	3	80	12	70	50	white pine	immature	N		20-29 years	0	

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
67	A 5	A 2	178	39	5	40	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Size class is highly variable throughout the stand														
68	Q 6	F 1	26	88	9	100	30	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Influence zones Too wet														
comnts Fmd : Complex, wet stand not entered when surrounding area was cut. Active deer yarding area.														
69	R 9	M 1	4	75	14	90	60	red pine	mature	N		not scheduled	0	
comnts Fmd :														
70	F 6	F 1	13	40	8	80	50	spruce-fir (uplands-including upland black spruce)	immature	N		not scheduled	0	
comnts Fmd :														
71	F 5	U 0	4	50	8	60	50	spruce-fir (uplands-including upland black spruce)	immature	N		not scheduled	0	
72	A 5	A 1	9	73	6	40	50	aspen (upland)	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
73	A 3	A 3	21	17		0	65	aspen (upland)	immature	N		30-39 years	0	
74	A 6	F 1	38	40	8	70	60	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
75	F 6	F 1	7	50	8	80	50	spruce-fir (uplands-including upland black spruce)	immature	N		not scheduled	0	
76	W 9	F 1	3	165	17	80	55	white pine	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Influence zones Water quality/bmps														
77	Q 5	F 1	9	97	8	40	35	mixed swamp conifer	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
78	A 3	A 3	34	17		0	60	aspen (upland)	immature	N		30-39 years	0	
79	L 0	L 0	2		0	0		lowland brush	nonstocked	N		not scheduled	0	

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
80	A 4	F 2	41	38	5	30	55	aspen (upland)	immature	N		20-29 years	0	
81	L 0	L 0	7			0		lowland brush	nonstocked	N		not scheduled	0	
82	A 5	F 3	8	72	9	50	55	aspen (upland)	mature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Road needed (resources not presently available) Inadequate volume due to small acreage Blocked by other physical obstacle</p>														
83	E 6	L 0	6		9	70	48	swamp hardwoods	unevenaged	N		not scheduled	0	
comnts Fmd : Pigeon River floodplain														
84	C 6	F 2	8	104	9	110	35	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Influence zones Water quality/bmps</p>														
85	A 6	F 2	3	75	9	90	60	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Recreational site Water quality/bmps</p>														
comnts Fmd : McIntosh Landing														
86	A 5	A 2	65	39	6	60	60	aspen (upland)	immature	N		10-19 years	0	
87	L 0	L 0	8			0		lowland brush	nonstocked	N		not scheduled	0	
88	F 2	F 2	4	15		0	50	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
comnts Fmd : Old opening filling in with fir, pine, aspen, etc.														
400	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Natural opening														
401	G 0	G 0	3			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Natural opening starting to fill in.														
402	G 0	G 0	5			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Natural opening along road.														
403	G 0	G 0	8			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Natural opening.														

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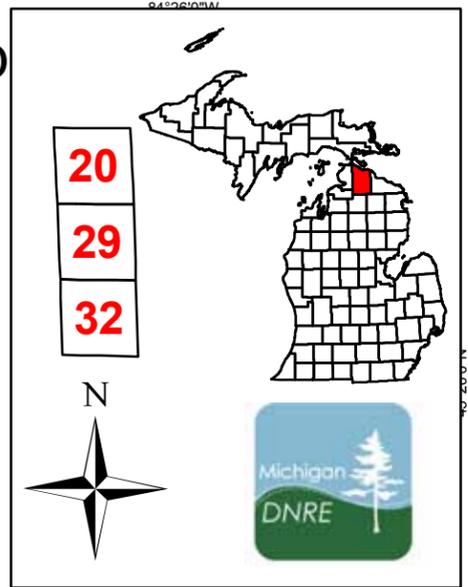
S t a n d	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
404	G 0	G 0	8			0		grass	nonstocked	N		not scheduled	0	
405	G 0	G 0	12			0		grass	nonstocked	N		within 0-9 years	0	opening maintenance

comnts Fmd : Old logging road system that has been treated in the past by wildlife for a "grouse walk".

Total Acres..... 1859

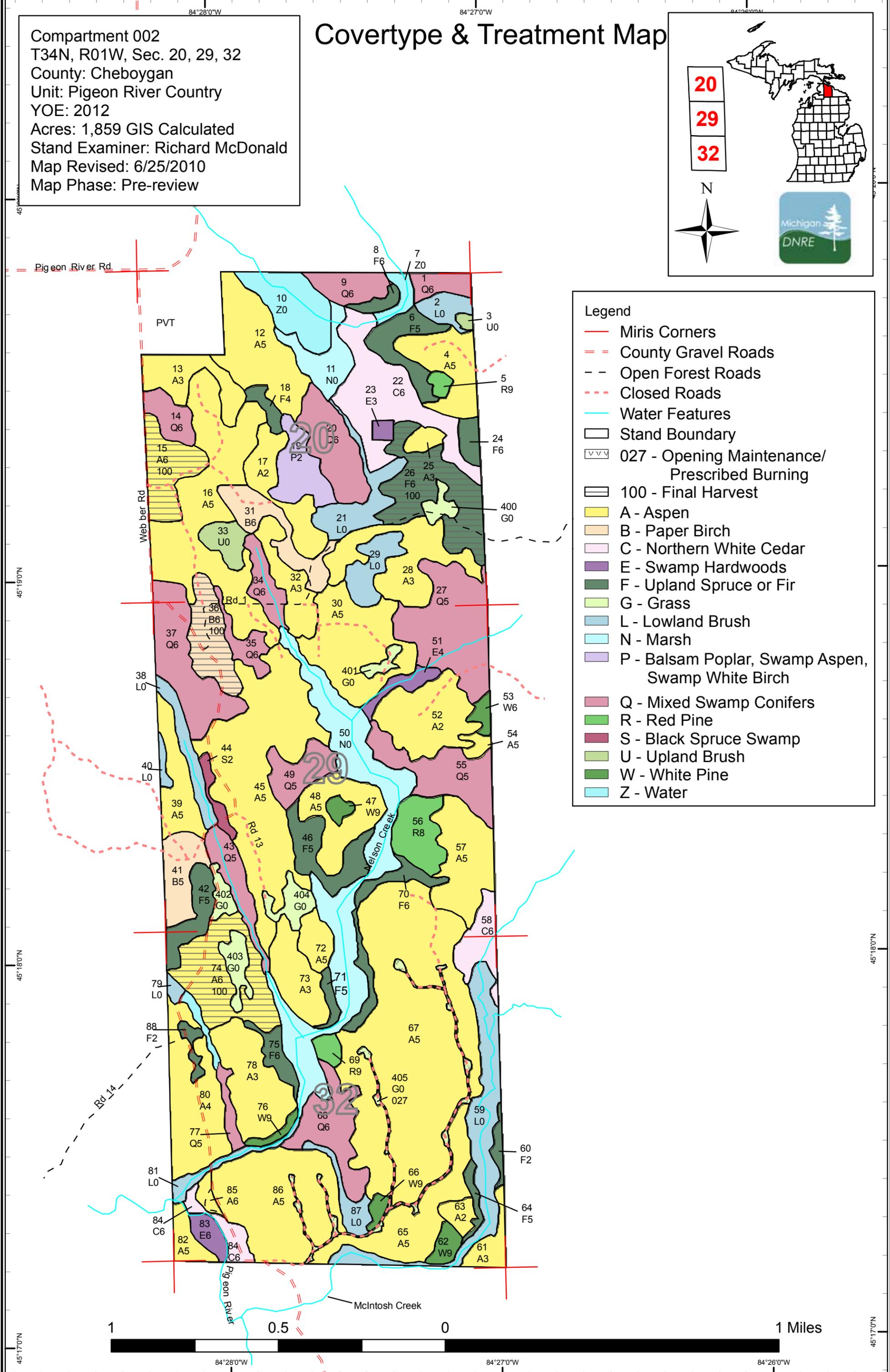
Compartment 002
 T34N, R01W, Sec. 20, 29, 32
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2012
 Acres: 1,859 GIS Calculated
 Stand Examiner: Richard McDonald
 Map Revised: 6/25/2010
 Map Phase: Pre-review

Covertime & Treatment Map



Legend

- Miris Corners
- - - County Gravel Roads
- - - Open Forest Roads
- - - Closed Roads
- Water Features
- Stand Boundary
- 027 - Opening Maintenance/ Prescribed Burning
- 100 - Final Harvest
- A - Aspen
- B - Paper Birch
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- U - Upland Brush
- W - White Pine
- Z - Water



Compartment 002
T34N, R01W, Sec. 20, 29, 32
County: Cheboygan
Unit: Pigeon River Country
YOE: 2012
Acres: 1,859 GIS Calculated
Stand Examiner: Richard McDonald
Map Revised: 6/25/2010
Map Phase: Pre-review

Stand Boundary Map



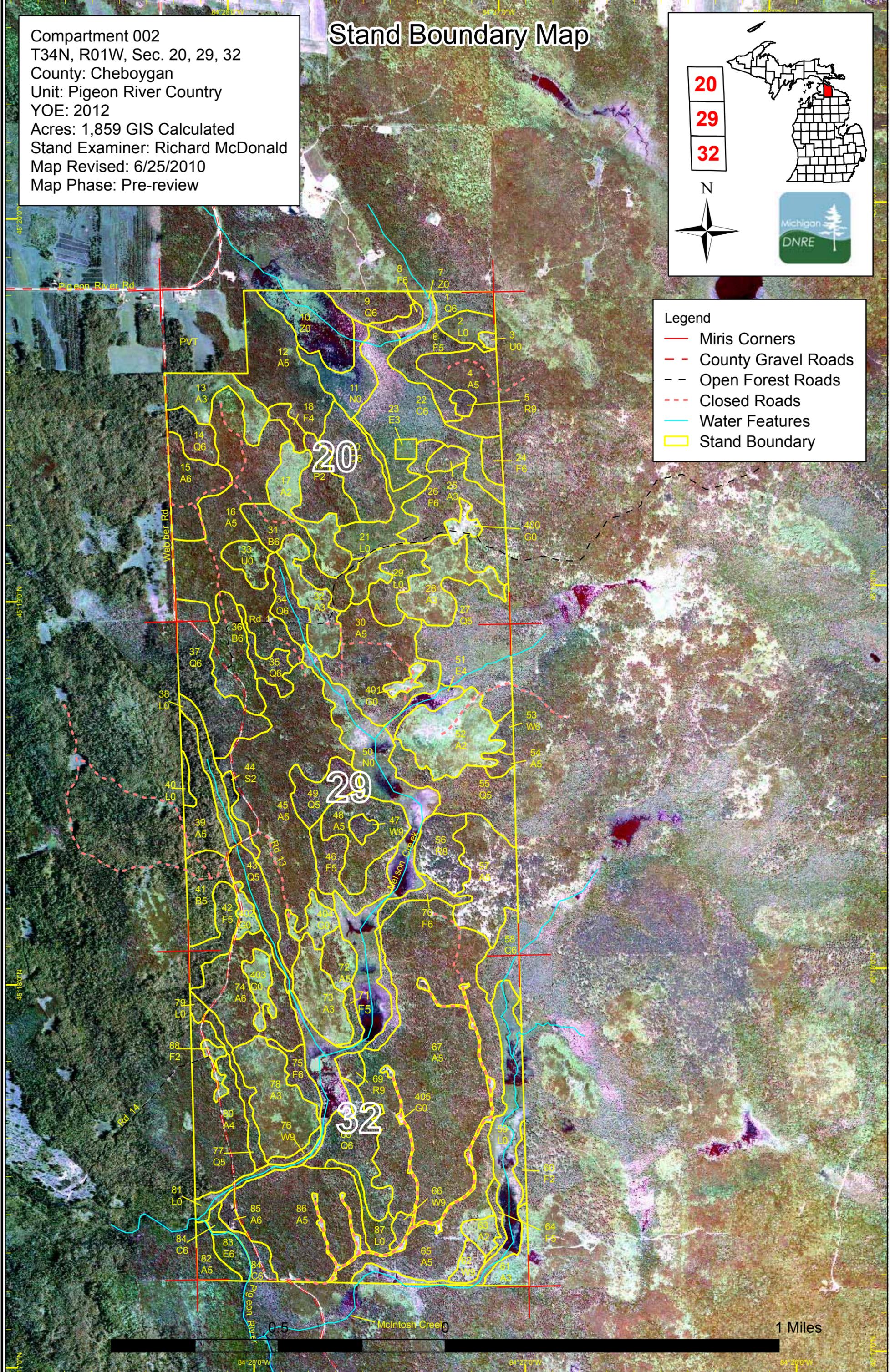
20
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32

N



Legend

- Miris Corners
- - County Gravel Roads
- - Open Forest Roads
- - Closed Roads
- Water Features
- Stand Boundary



1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 002
 T34N, R01W, Sec. 20, 29, 32
 County: Cheboygan
 Unit: Pigeon River Country
 YOE: 2012
 Acres: 1,859 GIS Calculated
 Stand Examiner: Richard McDonald
 Map Revised: 6/25/2010
 Map Phase: Pre-review

20
 29
 32

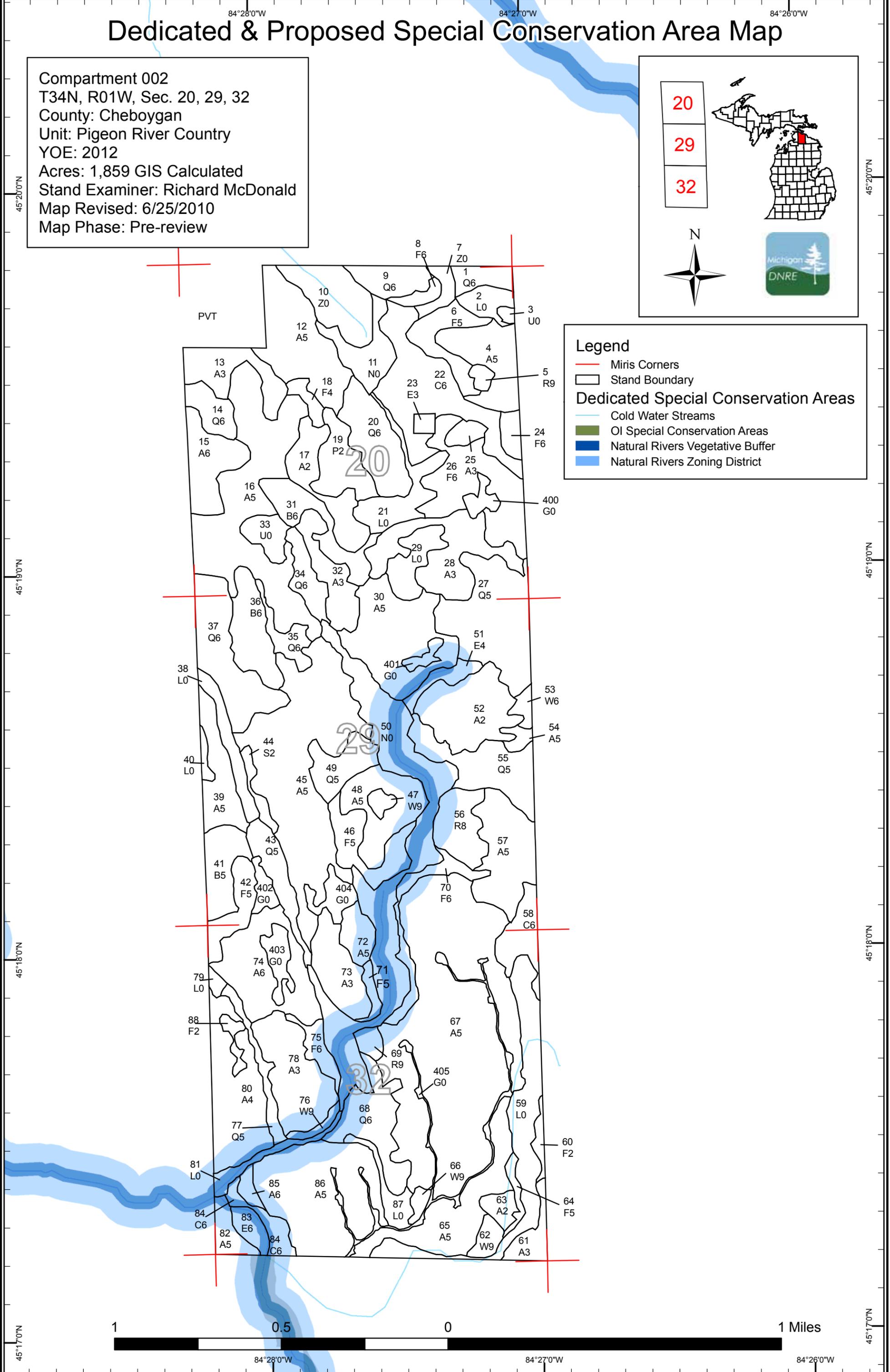


Legend

- Miris Corners
- Stand Boundary

Dedicated Special Conservation Areas

- Cold Water Streams
- OI Special Conservation Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District





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
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.
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	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.