



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

COMPARTMENT 60 ENTRY YEAR: 2012

Compartment Acreage: 655 County: Cheboygan

Review Date:

August 25, 2010

Stand Examiner:

Rick McDonald

Legal Description:

T34N - R01E sections 22, 23, 25, 26, 27, 36

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 Cheboygan-Blue Lakes Assoc. Tawas-Lupton make up the majority of the lowland areas.

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

This compartment is comprised of scattered parcels of state land spread across a wider area of private land.

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:

None identified.

Watershed and Fisheries Considerations:

Black River runs through the compartment. Sturgis and Lyons Creeks flow through and eventually into the Black River.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 22, 23, 25-27 &36, T34N-R1E, Cheboygan County

Surface sediments consist of coarse textured glacial till. The glacial drift thickness varies between 50 and 200 feet, thickening to the south. Beneath the glacial drift is the Devonian Traverse Group, quarried for limestone elsewhere in the State. The nearest gravel pit is located two miles to the south, and potential should be good in this area. There are no current oil and gas leases in this compartment. This area appears to be out of the Niagaran reef trend, and has no Antrim Shale potential. Most of the lands in this Compartment are surplus and will be disposed of.

Vehicle Access:

Access to many of these parcels is limited.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

No developed recreational facilities 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: 60

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		60	30	41	52	8	25												216
Black Spruce					18														18
Cedar							6		146										152
Grass	6																		6
Lowlnd Poplr			13					5											18
Marsh	3																		3
Mx Swmp Cnfr							2	14	118										134
Red Pine					27														27
Swamp Hrdwds									65										65
Upland Brush	1																		1
Upland Hdwds								12										3	15
Total	10	60	43	41	97	8	33	31	329									3	655

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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: 60

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	216																										216
S Black Spruce		18																									18
C Cedar				152																							152
G Grass					6																						6
P Lowlnd Poplr										18																	18
N Marsh											3																3
Q Mx Swmp Cnfr												134															134
R Red Pine																27											27
E Swamp Hrdwds																				65							65
U Upland Brush																								1			1
M Upland Hdwds																									15		15
Total	216	18		152	6					18	3	134				27				65				1	15		655

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **60**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1783 Cds	Hardwood	823 Cds
Hardwood	402 Mbf	Hardwood	50 Mbf
Softwood	6630 Cds	Softwood	69 Cds
Softwood	151 Mbf	Sum CutVol	992 Cds
Sum TotVol	9519 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	49
655		Acres Meeting Silv Criteria.....	30
		Acres Not Meeting Silv Criteria.....	625
		Acres Unable to Determine Silv Criteria For.....	

PIGEON RIVER COUNTRY MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 60

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
15	A6	49	44	60	ASPEN (UPLAND)	MATURE	FINAL HARVEST	1		

Total Acres..... 49

**Proposed Treatments
With Limiting Factors**

Compartment:

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

* 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	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	S 4	L 0	18	47	6	30	50	black spruce-swamp	immature	N		20-29 years	0	
comnts Fmd : Old plantation that didn't take well due to it being wet. Heavy tag alder understory.														
2	A 9	F 1	4	63	11	90	55	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Adjacent landowner denies access Bridge needed (portable bridge not available or inadequate)														
comnts Fmd : Nice stand of Aspen, but no legal access.														
3	Q 6	L 0	95	80	8	80	36	mixed swamp conifer	low quality	N		not scheduled	0	
comnts Fmd : No access, wet, areas of blowdown. Beaver activity.														
4	C 6	F 1	36	80	9	160	39	cedar	mature	N		10-19 years	0	
5	M 5	M 1	5	73	8	50	52	northern hardwood	low quality	N		20-29 years	0	
comnts Fmd : Steep hillside, fair hardwood. No access-no treatment.														
6	A 3	A 3	41	29	2	0	57	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Stand has hunter walking trail through it that is planted by wildlife.														
7	Q 6	F 1	17	84	8	110	38	mixed swamp conifer	mature	N		10-19 years	0	
8	R 6	M 1	27	47	7	120	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Stand was thinned in 2002.														
9	P 6	F 1	5	76	8	100	50	balsam poplar & swamp aspen and swamp white birch	low quality	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Too wet Inadequate volume due to small acreage														
comnts Fmd : Small piece along road and bordering private. Adjacent to deer yard.														
10	A 3	A 3	30	19	2	0	60	aspen (upland)	immature	N		30-39 years	0	
11	Q 6	L 0	14	75	8	70	50	mixed swamp conifer	immature	N		not scheduled	0	
12	M 5	M 1	7	75	9	60	60	northern hardwood	mature	N		20-29 years	0	

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

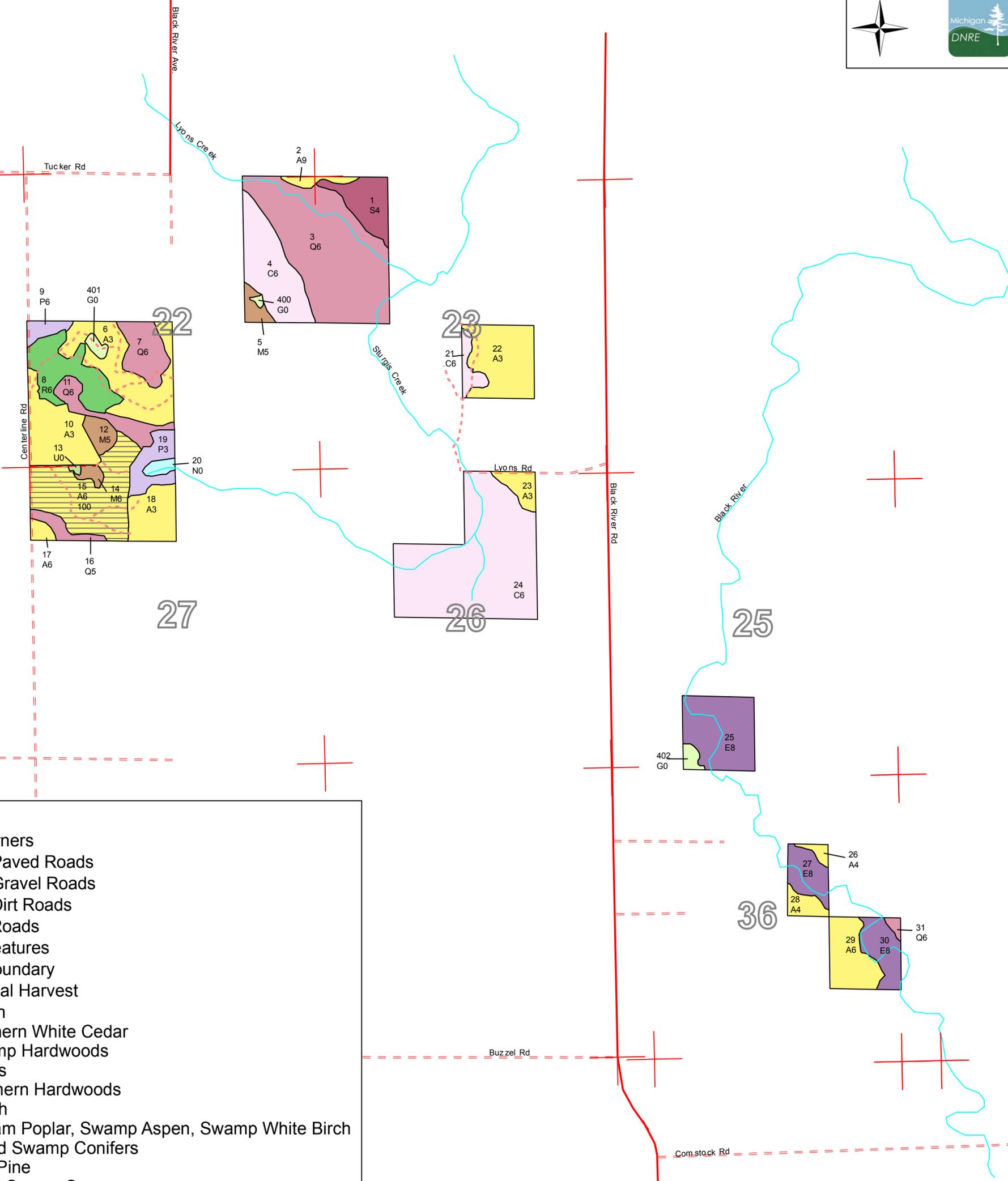
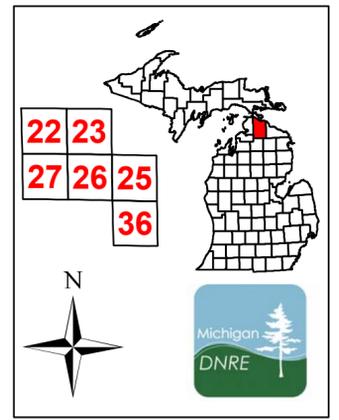
Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
13	U 0	U 0	1		0	0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Stand was clearcut, probably with stand 10, but did not come back well.														
14	M 6	M 1	3		8	100	60	northern hardwood	unevenaged	N		10-19 years	0	
15	A 6	F 1	49	44	8	100	60	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
16	Q 5	L 0	6	78	8	60	49	mixed swamp conifer	immature	N		not scheduled	0	
comnts Fmd : Small aspen mixed throughout. Intermittent stream flows through stand.														
17	A 6	F 1	3	44	7	70	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Small wedge-shaped stand along road.														
18	A 3	A 3	19	17		0	55	aspen (upland)	immature	N		30-39 years	0	
19	P 3	P 3	13	25		0	63	balsam poplar & swamp aspen and swamp white birch	immature	N		20-29 years	0	
comnts Fmd : Wet stand														
20	N 0	N 0	3		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Old beaver pond														
21	C 6	F 1	6	64	5	70	38	cedar	immature	N		not scheduled	0	
comnts Fmd : No legal access.														
22	A 3	A 3	34	2		20	60	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : NO LEGAL ACCESS. This "40" should be made available for disposal.														
23	A 3	A 3	7	17		0	55	aspen (upland)	immature	N		30-39 years	0	
24	C 6	F 1	110	83	7	130	38	cedar	immature	N		10-19 years	0	
comnts Fmd : Wet swamp														
25	E 8	L 0	37	86	10	60	50	swamp hardwoods	low quality	N		not scheduled	0	
comnts Fmd : NO LEGAL ACCESS														

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

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
26	A 4	L 0	2	53	5	30	50	aspen (upland)	sparse	N		not scheduled	0	
comnts Fmd : No legal access														
27	E 8	L 0	13	86	10	60	50	swamp hardwoods	low quality	N		not scheduled	0	
comnts Fmd : No legal access														
28	A 4	L 0	6	53	5	30	50	aspen (upland)	sparse	N		not scheduled	0	
comnts Fmd : No legal access														
29	A 6	F 1	21	61	8	70	52	aspen (upland)	low quality	Y		not scheduled	0	
Treatment Limiting Factors: Adjacent landowner denies access Road needed (resources not presently available)														
comnts Fmd : No legal access														
30	E 8	L 0	15	86	10	60	50	swamp hardwoods	low quality	N		not scheduled	0	
comnts Fmd : No legal access -														
31	Q 6	F 1	2	66	7	70	38	mixed swamp conifer	low quality	N		not scheduled	0	
comnts Fmd : No legal access														
400	G 0	G 0	1		0	0	57	grass	nonstocked	N		not scheduled	0	
comnts Fmd : natural opening between hillside and swamp.														
401	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Wildlife created opening														
402	G 0	G 0	3			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Natural Opening														
Total Acres.....			655											

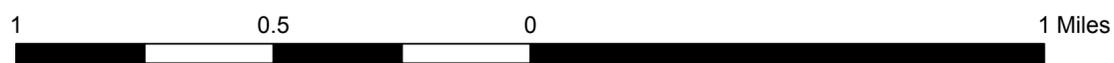
Coverture & Treatment Map

Compartment 60
 T34N, R01E, Sec. 22, 23, 25, 26, 27, 36
 County: Cheboygan
 YOY: 2012
 Acres: 655 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/24/2010
 Map Phase: Pre-review



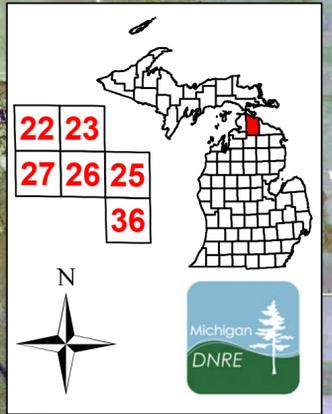
Legend

- Miris Corners
- County Paved Roads
- County Gravel Roads
- County Dirt Roads
- Closed Roads
- Water Features
- Stand Boundary
- 100 - Final Harvest
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- G - Grass
- M - Northern Hardwoods
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- U - Upland Brush

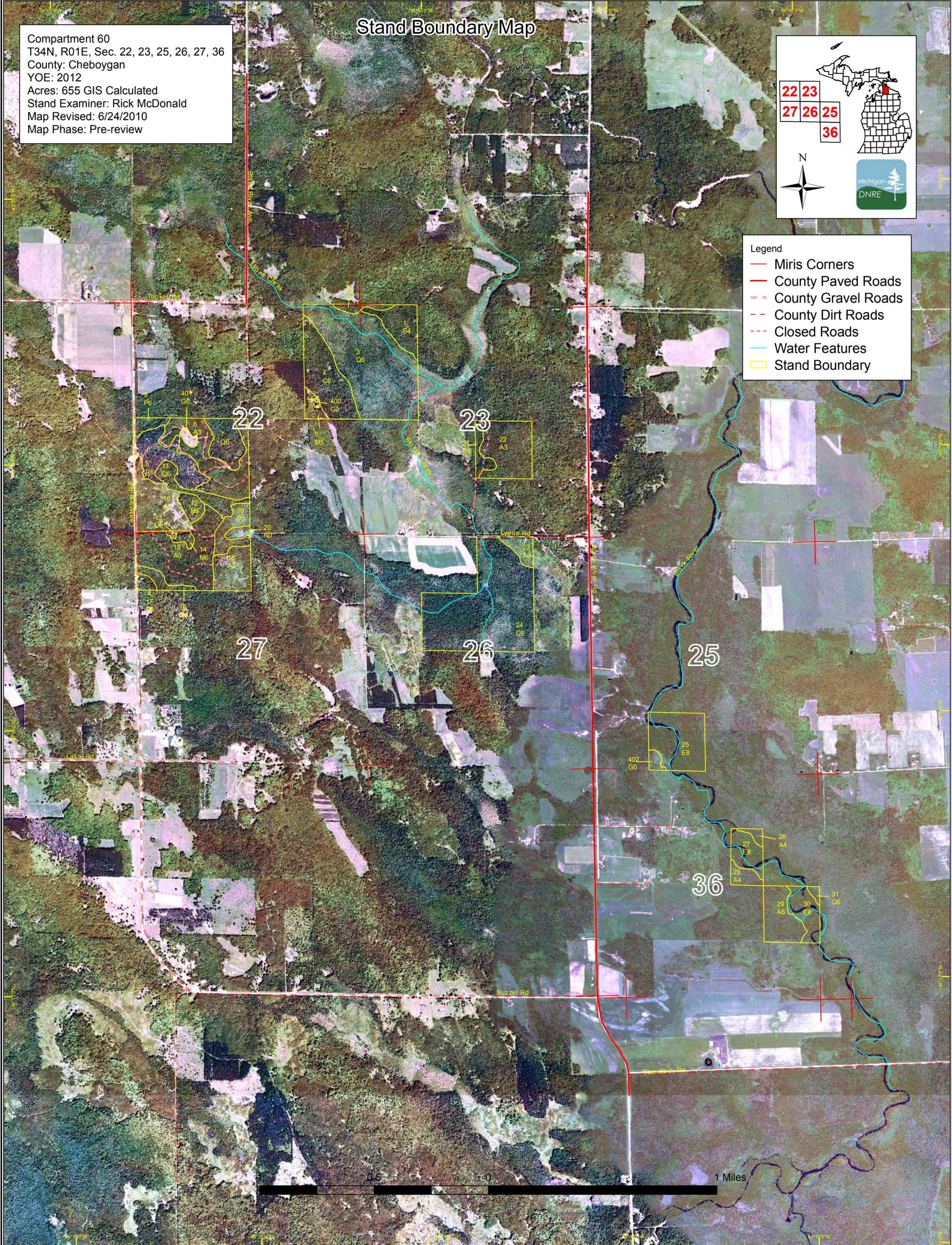


Stand Boundary Map

Compartment 60
T34N, R01E, Sec. 22, 23, 25, 26, 27, 36
County: Cheboygan
YOE: 2012
Acres: 655 GIS Calculated
Stand Examiner: Rick McDonald
Map Revised: 6/24/2010
Map Phase: Pre-review



- Legend
- Miris Corners
 - County Paved Roads
 - County Gravel Roads
 - County Dirt Roads
 - Closed Roads
 - Water Features
 - Stand Boundary



Dedicated & Proposed Special Conservation Area Map

Compartment 60
 T34N, R01E, Sec. 22, 23, 25, 26, 27, 36
 County: Cheboygan
 YOE: 2012
 Acres: 655 GIS Calculated
 Stand Examiner: Rick McDonald
 Map Revised: 6/24/2010
 Map Phase: Pre-review

Legend

-  Stand Boundary
-  Dedicated Special Conservation Areas
-  Cold Water Streams

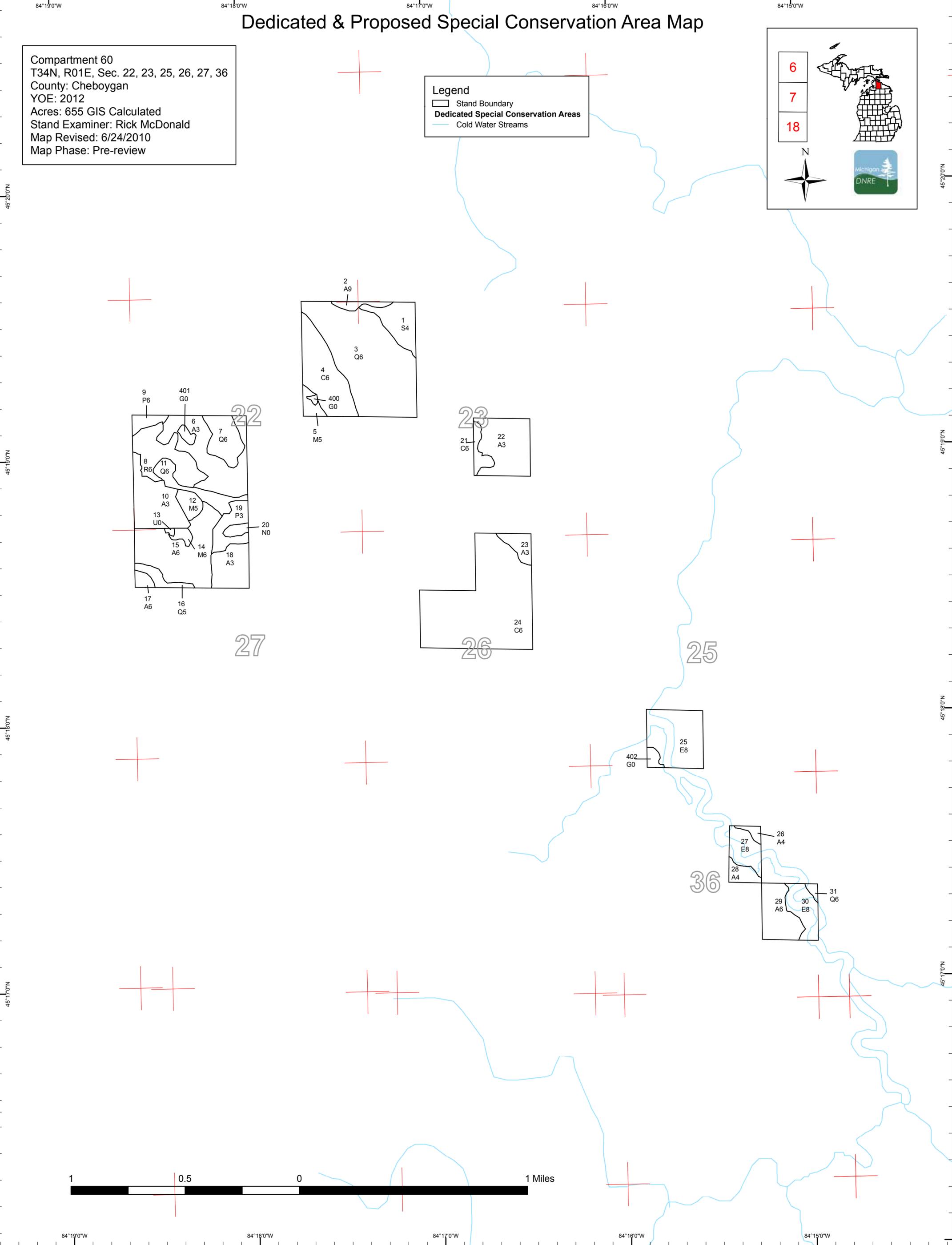
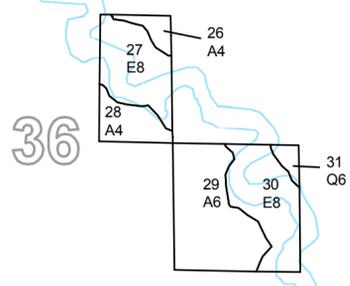
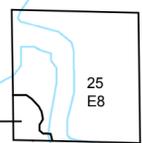
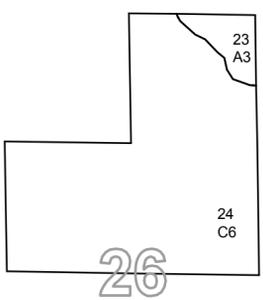
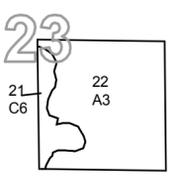
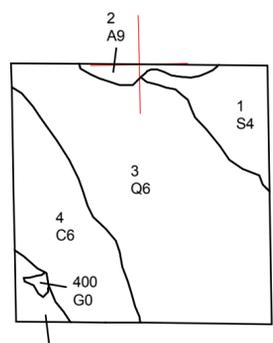
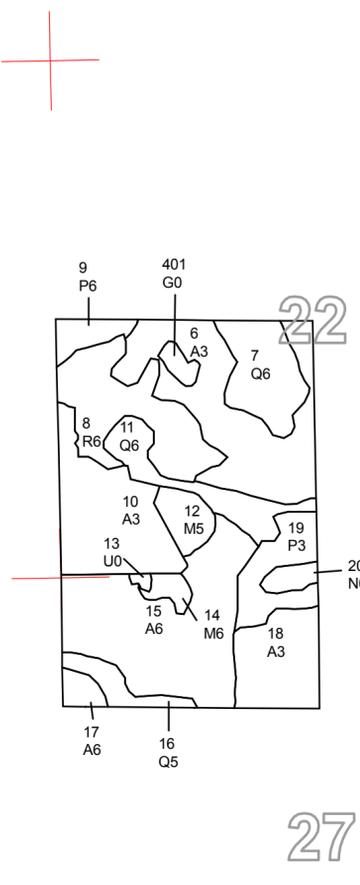
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DEDICATED CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water 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.