



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 6 ENTRY YEAR: 2010

Compartment Acreage: 659

County: Roscommon

Revision Date: 6-27-2008

Stand Examiner: Jason Lewicki

Legal Description: T24N R01W Sections 5, 8 & 17

RMU (if applicable):N/A

Management Goals: To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

Soil and Topography: Soils generally are mostly Roselawn sands with some Saugatuck sands in lower areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land is intermixed with private ownership. Private property has a mix of both forested and agricultural uses.

Unique, Natural Features: The South Branch of the AuSable River flows through this compartment. This river falls under Natural Rivers designation and is also a "HCVA".

Archeological, Historical, and Cultural Features: Evidence of old foundations can be found in the pine plantations in section 8.

Special Management Designations or Considerations: The AuSable River is a "HCVA" under the natural rivers act.

Watershed and Fisheries Considerations: South Branch of The Ausable River is designated trout waters. Care must be taken when performing any management activities to protect and leave vegetative buffers and prevent any soil erosion into the river.

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species.

Mineral Resource and Development Concerns and/or Restrictions: Sections 5, 8 & 17, T24N-R1W, Roscommon County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall was previously used as a building stone in other areas of the State. Most of the good gravel pits are associated with upland areas. A pit is located in Section 8 and potential is good on the uplands. St. Helen Field is located in Section 17 and to the southeast of the Compartment. The field has produced over 8.7 million BO

and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. A few State minerals in Section 5 are leased at this time.

Vehicle Access: Vehicle access is very good in this compartment within most areas of this compartment except for areas west and south of the AuSable River.

Survey Needs: None

Recreational Facilities and Opportunities: Good vehicle access provides excellent hunting opportunities. Excellent fishing opportunities due to the AuSable River

Fire Protection: Much of the compartment is hardwood and lowland cover types. Large wildfire concerns are minimal.

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 6

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		25		47	61	30	9	11		18									201
Black Spruce						21													21
Cedar											111								111
Grass	63																		63
Hemlock																		6	6
Marsh	18																		18
Mx Swmp Cnfr									5		9								14
Non Stocked	3																		3
Oak											29								29
Red Pine						40				2									42
Spruce Fir											33								33
Swamp Hrdwds						2			46	4		37							89
Upland Hdwds									26										26
Water	3																		3
Total	87	25		47	61	93	9	11	77	24	182	37						6	659

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 6

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	201																										201
S Black Spruce		21																									21
C Cedar				111																							111
G Grass					63																						63
H Hemlock						6																					6
N Marsh											18																18
Q Mx Swmp Cnfr												14															14
X Non Stocked													3														3
O Oak														29													29
R Red Pine															42												42
F Spruce Fir																			33								33
E Swamp Hrdwds																				89							89
M Upland Hdwds																								26			26
Z Water																									3		3
Total	201	21		111	63	6					18	14	3	29		42			33	89				26	3	659	

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 6

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2880 Cds	Hardwood	386 Cds
Hardwood	312 Mbf	Softwood	163 Cds
Softwood	3762 Cds	Softwood	13 Mbf
Softwood	118 Mbf	Sum CutVol	575 Cds
Sum TotVol	7502 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	40
659			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 6

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
10	R6	8	43	50	red pine	immature	thinning	1		prescribed for fdf treatment	
comnts Fmd : Stand was tthird row thinned last entry. Treat again by removing poor formed and supressed trees. Thin down to about 110 BA.											
22	R6	17	43	55	red pine	immature	thinning	1		prescribed for fdf treatment	
comnts Fmd : Red Pine plantation. Stand was row thinned last entry. Some areas with pin cherry understory. Good site, good internodal distance. Thin down to about 100 BA											
110	R6	8	43	50	red pine	immature	thinning	1		prescribed for fdf treatment	
comnts Fmd : Stand was third row thinned last entry. Treat again by removing poor formed and supressed trees. Thin down to about 110 BA.											
210	R6	7	43	50	red pine	immature	thinning	1		prescribed for fdf treatment	
comnts Fmd : Nice red pine stand that was third row thinned last entry. Treat stand again by removing poor formed and supressed trees. Thin down to around 110BA.											
Total Acres.....		40									

**Proposed Treatments
With Limiting Factors**

Compartment: 006

Entry Year: 2010

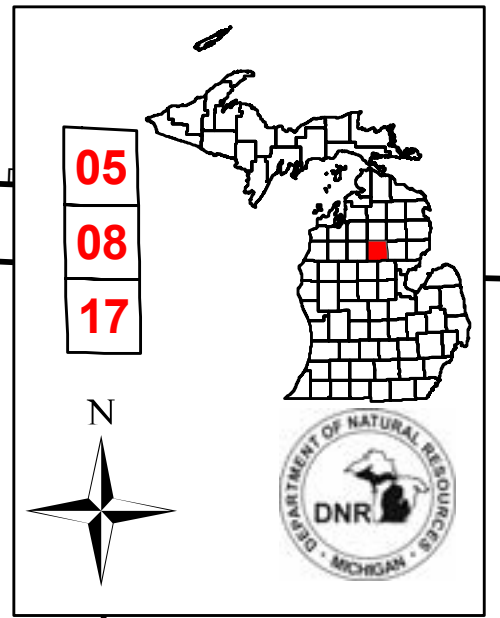
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

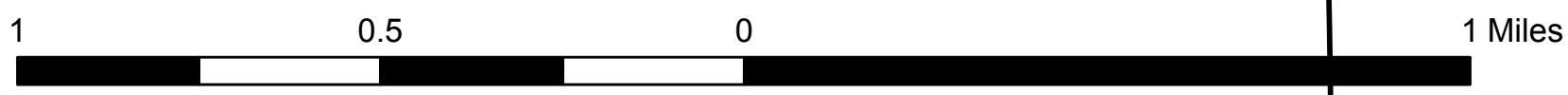
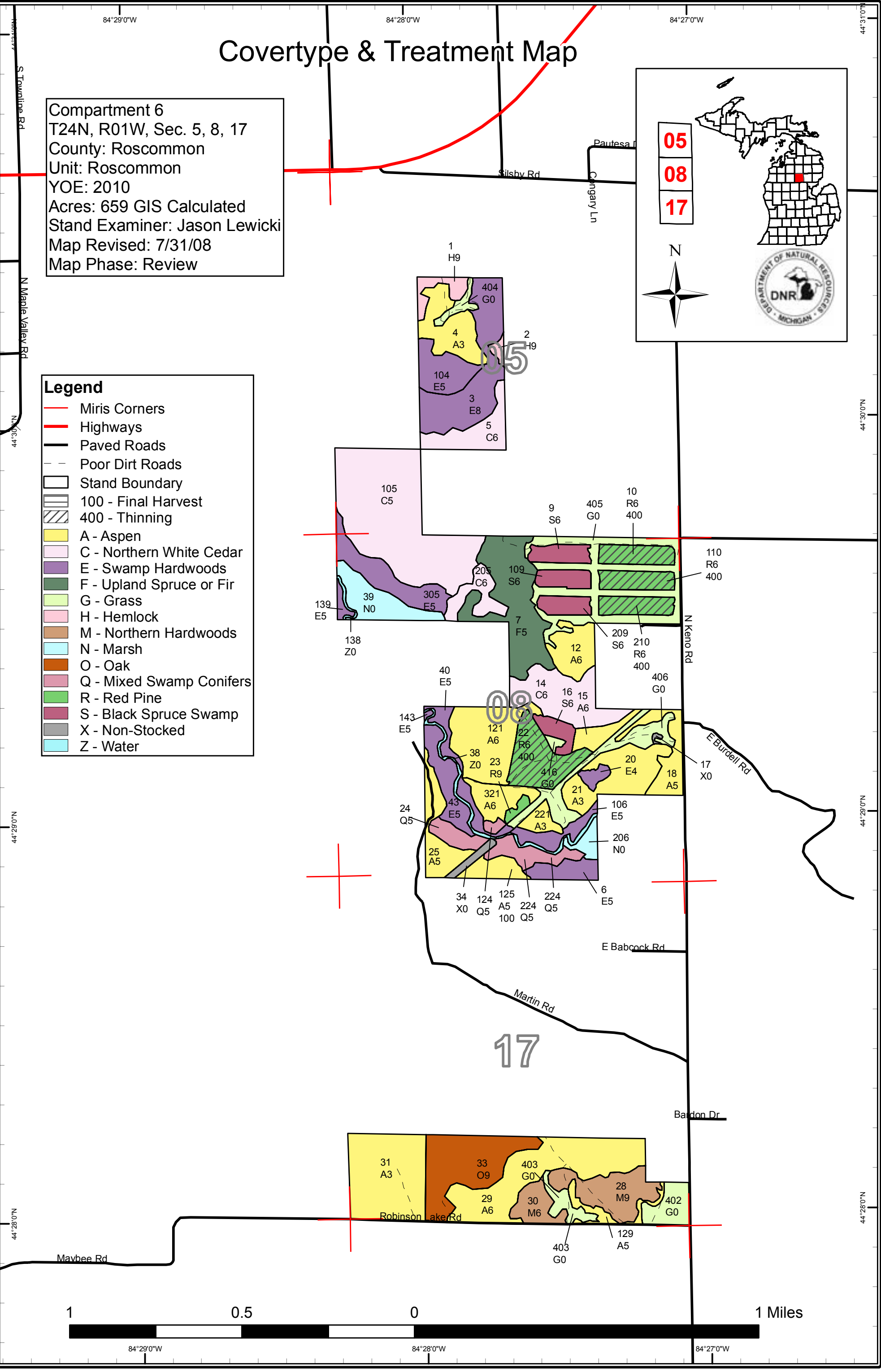
Covertypes & Treatment Map

Compartment 6
 T24N, R01W, Sec. 5, 8, 17
 County: Roscommon
 Unit: Roscommon
 YOE: 2010
 Acres: 659 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 7/31/08
 Map Phase: Review



Legend

- Miris Corners
- Highways
- Paved Roads
- Poor Dirt Roads
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- H - Hemlock
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- X - Non-Stocked
- Z - Water



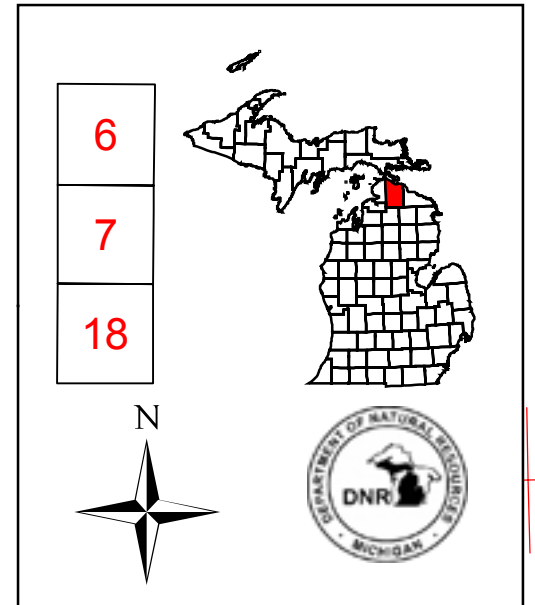
84°29'0"W 84°28'0"W 84°27'0"W

44°30'0"N
44°29'0"N
44°28'0"N

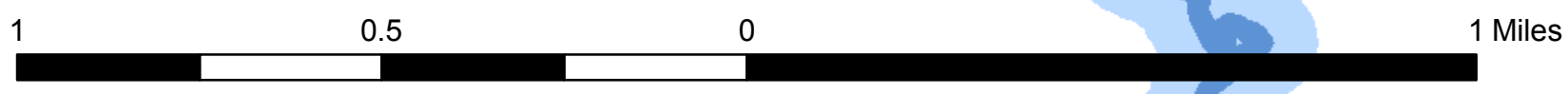
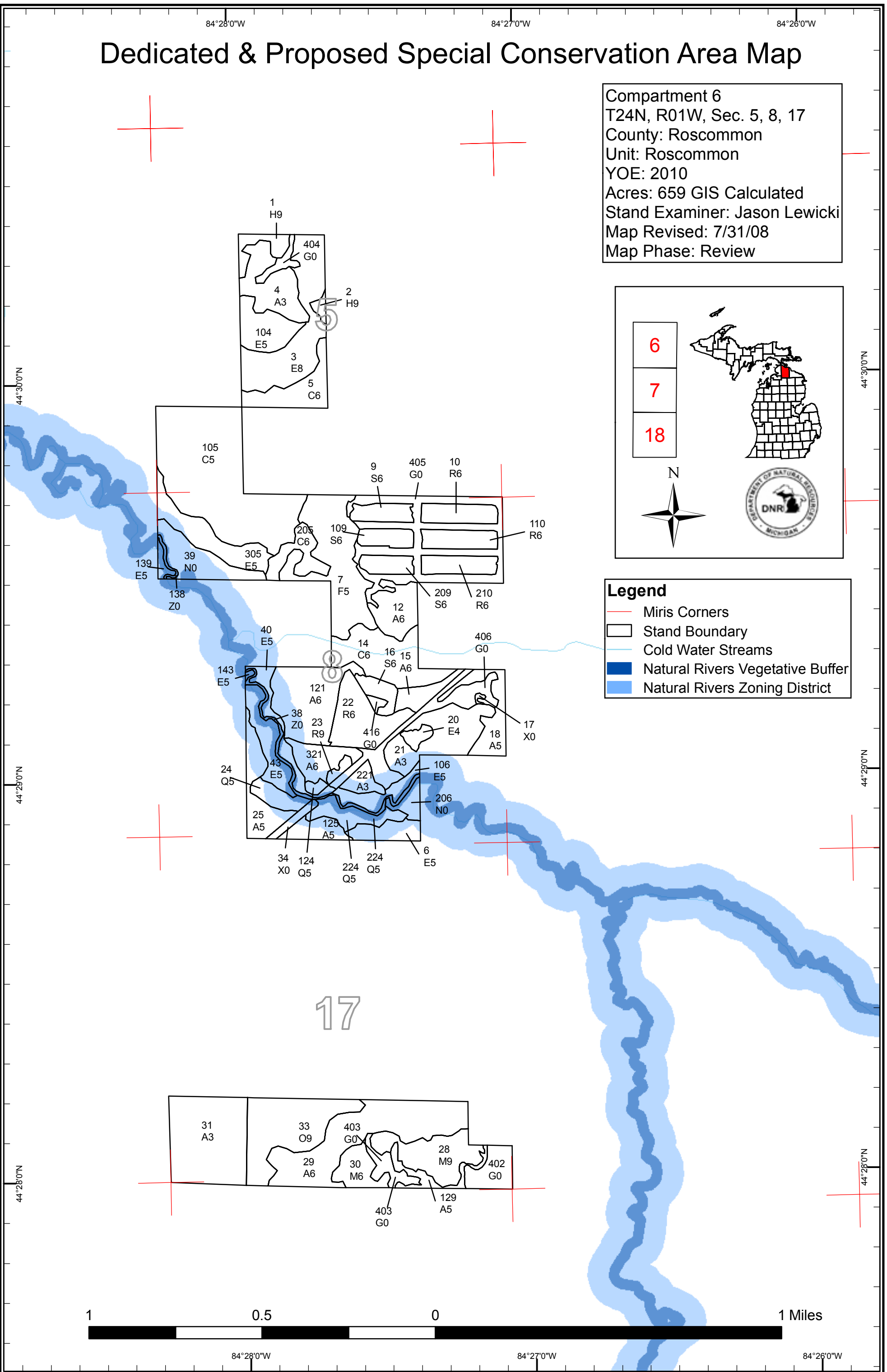
84°29'0"W 84°28'0"W 84°27'0"W

Dedicated & Proposed Special Conservation Area Map

Compartment 6
 T24N, R01W, Sec. 5, 8, 17
 County: Roscommon
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 Stand Examiner: Jason Lewicki
 Map Revised: 7/31/08
 Map Phase: Review



- Legend**
- Miris Corners
 - Stand Boundary
 - Cold Water Streams
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District



84°28'0"W 84°27'0"W 84°26'0"W

44°30'0"N

44°30'0"N

44°29'0"N

44°29'0"N

44°28'0"N

44°28'0"N



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	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.