



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #74 ENTRY YEAR: 2010

Compartment Acreage: 1127 (GIS)

County: Montmorency

Revision Date: April 22, 2008

Stand Examiner: Robert Theiner

Legal Description: T-32-N, R-3-E, Sections 22, 27 and 34

Management Goals: The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan. Swamp Conifer and Lowland aspen are the largest timber components in this compartment with several stands of pine.

Soil and Topography: Grayling-Graycalm-Montcalm Association with some Lupton-Tawas. Mostly level with some rolling hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State Lands are mostly contiguous in the compartment. Private holdings, mostly hunting camps, are scattered through out the compartment. Residential areas lie to the east and access is along Windy Ridge Trail.

Unique, Natural Features: Several reported.

Archeological, Historical, and Cultural Features: Potential exists in several locations

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations and Objectives:

Mineral Resource and Development Concerns and/or Restrictions: Sections 22, 27 & 34, T32N-R3E, Montmorency Co. Surface sediments consist of coarse-textured till and some glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Group. The Antrim and Traverse are quarried for cement products elsewhere in the State. Gravel pits are not located in the area, but there should be potential. The Compartment

is not currently leased for Antrim Shale development. The Antrim Shale is thin and disappears in the north part of the Compartment and appears to not have potential.

Vehicle Access: County Road 628 and Voyer Lake Rd. access the bulk of the compartment; The northern most parcels are accessed through a forest trail off Werner Rd.

Survey Needs: Survey needed on the west side of sections 27 and 34.

Recreational Facilities and Opportunities: ORV trail along the south edge of section 34 with associated damage, RDR's are on file..

Fire Protection:

- **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

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 74

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				33	69	216	48												366
Grass	15																		15
Jack Pine			42				18												60
Lowlnd Brush	90																		90
Lowlnd Poplr				126	39	22													187
Mx Swmp Cnfr			4		40				25	7	49		18	35					178
Non Stocked	7																		7
Red Pine		57					35			33	4								129
Spruce Fir					8														8
Upland Brush	20									5									25
Upland Hdwds																		24	24
White Pine										15			5	17				1	38
Total	132	57	46	159	156	238	101		25	60	53		23	52				25	1127

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: 74

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	366																										366
G Grass					15																						15
J Jack Pine							60																				60
L Lowlnd Brush									90																		90
P Lowlnd Poplr										187																	187
Q Mx Swmp Cnfr												178															178
X Non Stocked													7														7
R Red Pine															129												129
F Spruce Fir																			8								8
U Upland Brush																								25			25
M Upland Hdwds																									24		24
W White Pine																										38	38
Total	366				15		60		90	187		178	7		129				8					25	24	38	1127

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

MONTMORENCY COUNTY

COMPARTMENT: **74**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4955 Cds	Hardwood	2633 Cds
Hardwood	162 Mbf	Hardwood	95 Mbf
Softwood	2919 Cds	Softwood	192 Cds
Softwood	679 Mbf	Softwood	187 Mbf
Sum TotVol	9556 Cds	Sum CutVol	3389 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	186
1127			

ATLANTA FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 74

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
7	A6	16	46	56	aspen (upland)	mature	final harvest	2		
comnts Fmd : WET IN SPOTS. SOME RED PINE and oak. Retention should be left along the north edge of stand, unless a better location is determind while setting up the timber sale, proviting shade for stand along its edge.										
12	A6	36	48	58	aspen (upland)	mature	final harvest	2		
comnts Fmd : Areas heavy to w.p. in understory, some red maple in u.s.. Keep oak red pine and white pine. Should have survey corners, trespass to east in past resolved. Retention should be left along the west and east edge of stand, unless a better location is determind while setting up the timber sale.										
13	A6	40	38	55	aspen (upland)	immature	final harvest	2		
comnts Fmd : Larger aspen than adjacent stands. Oak ridge in center, keep oak and pine. Cut now to distrubute the aspen age class. Retention should be left along the north edge of stand adjacent to stand 408 and along the edge of stand 113, unless a better location is determind while setting up the timber sale, providing shade for stand along its edge.										
14	W9	17	118	65	white pine	immature	shelterwood-seed	2		
comnts Fmd : ALL OTHER SPP. WERE REMOVED IN 1982. Retention should be left along the north edge of stand adjacent to stand 408, unless a better location is determind while setting up the timber sale.										
17	A6	14	45	56	aspen (upland)	immature	final harvest	2		
comnts Fmd : Leave white pine oak and some red pine. Retention should be left along the west edge of stand adjacent to stand 58, unless a better location is determind while setting up the timber sale. Retention will add to the composition of stand 58.										
33	R8	33	78	56	red pine	mature	seed tree	1	natural regeneration	
comnts Fmd : OAK and Maple REPRO THROUGHOUT, PATCHES OF A2. Appears as natural stand of red pine. Complaints of cutting along Windy Ridge in the past. Cut in summer to scarify. May need to treat the red maple understory after the seed tree cut by either burning or scarification.										
44	A6	12	48	58	aspen (upland)	mature	final harvest	2		
comnts Fmd : Some red maple in u.s.. Keep oak red pine and white pine. Should have survey corners, trespass to east in past resolved. This stand was part of stand 12, due to it becoming a multiple polygon it was named stand 44. Retention for this stand will be left in stand 12, with private land bordering this stand on three sides it would be difficult to set aside retention without indicating what was left was not private.										
52	A6	18	45	56	aspen (upland)	immature	final harvest	2		
comnts Fmd : Red and white pine in SW corner. Leave white pine oak and some red pine. Possible trespass in the SW corner. Retention should be left along the county road, unless a better location is determind while setting up the timber sale.										
110	U2	1		50	upland brush	nonstocked		0	other - specify in remarks	
comnts Fmd : Fillining in with tree species, after timber harvest in stand thirteen this stand will not be as large.										
112	U2	2		50	upland brush	nonstocked		0	other - specify in remarks	
comnts Fmd : Fillining in with tree species, after timber harvest in stand twelve this stand will not be as large.										
Total Acres.....		189								

**Proposed Treatments
With Limiting Factors**

Compartment: 74

Entry Year: 2010

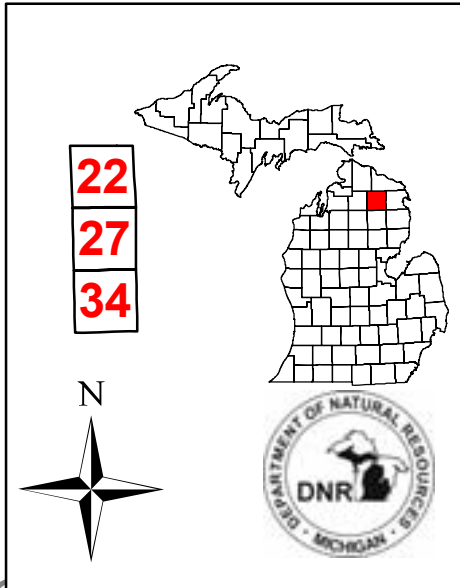
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

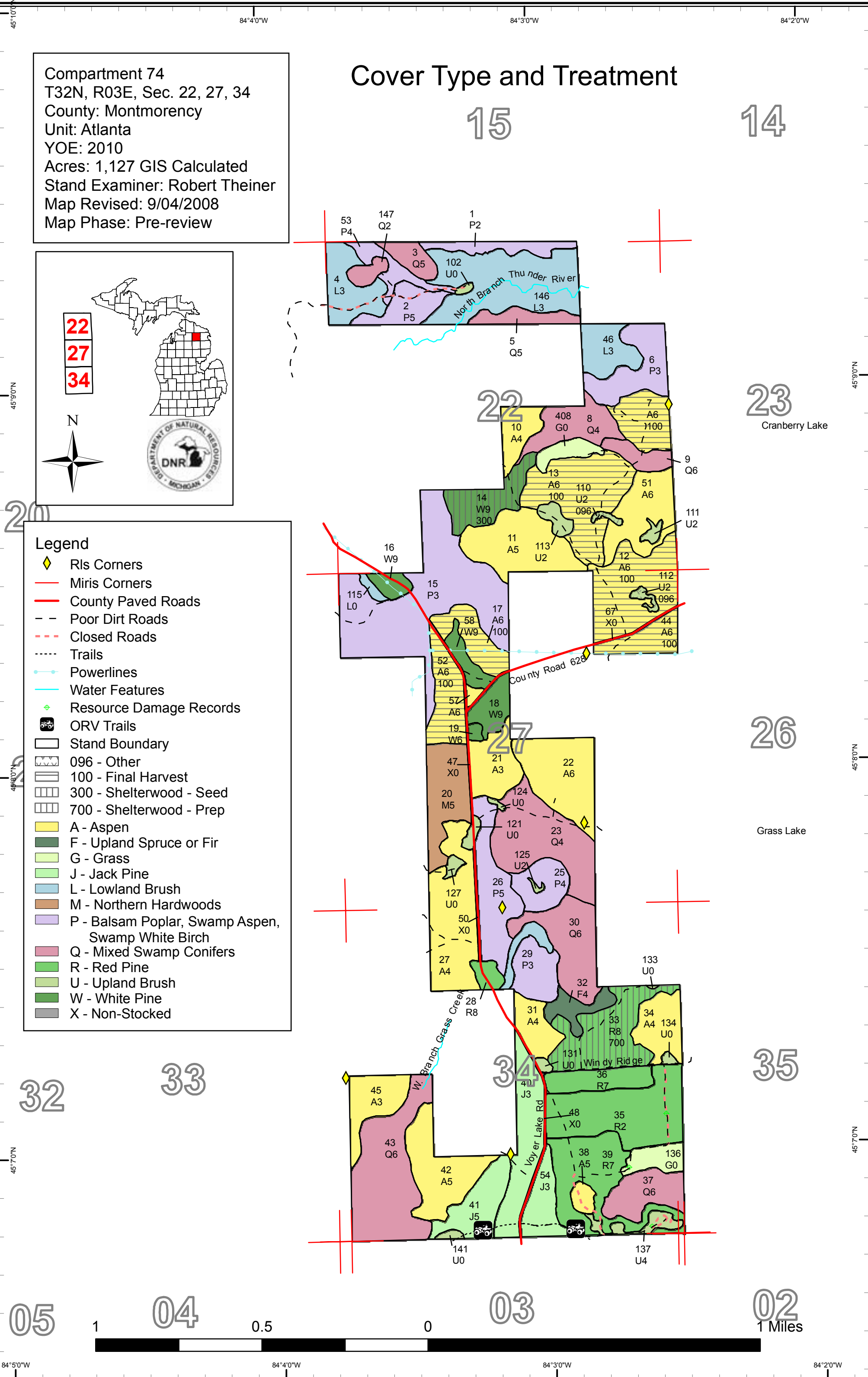
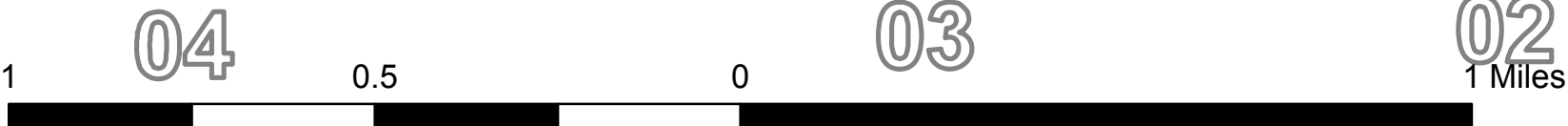
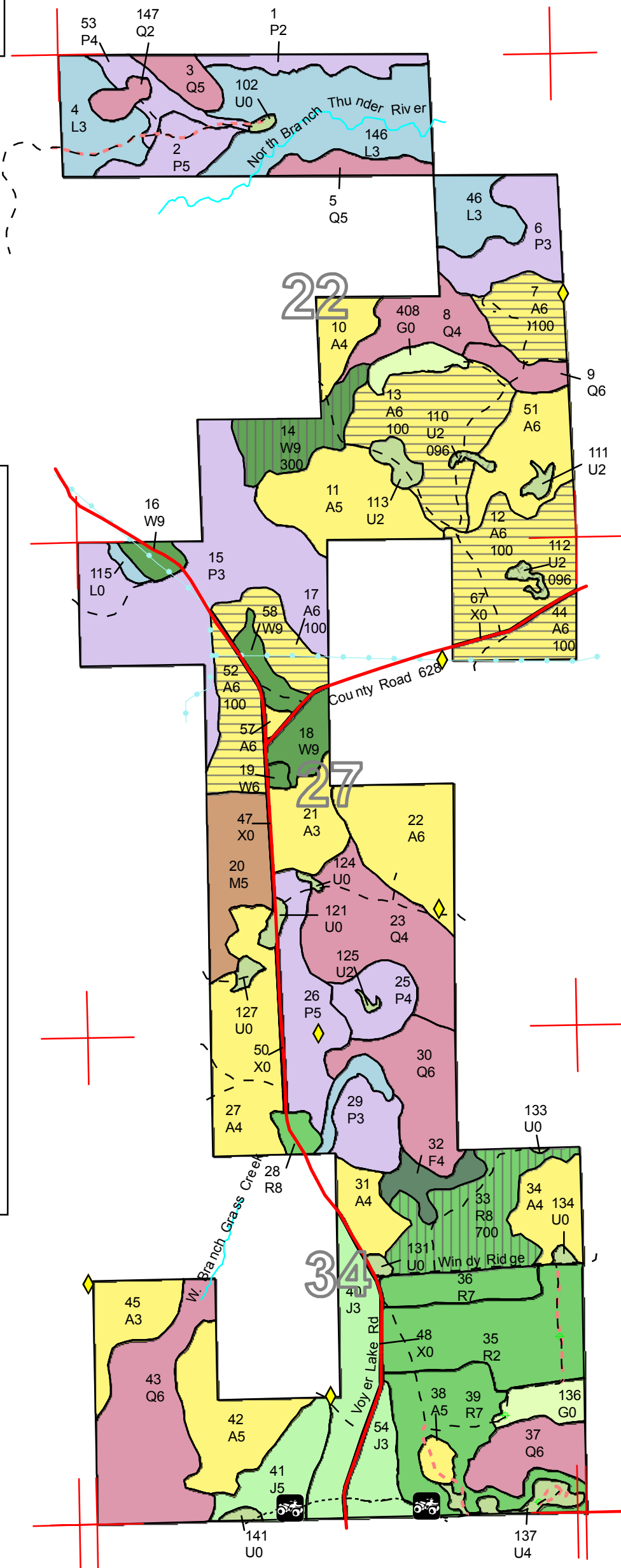
Compartment 74
 T32N, R03E, Sec. 22, 27, 34
 County: Montmorency
 Unit: Atlanta
 YOE: 2010
 Acres: 1,127 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 9/04/2008
 Map Phase: Pre-review

Cover Type and Treatment



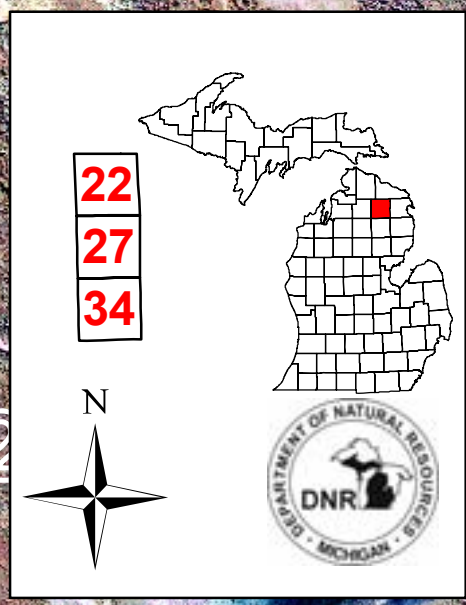
Legend

- ◆ RIs Corners
- Miris Corners
- County Paved Roads
- - - Poor Dirt Roads
- - - Closed Roads
- ⋯ Trails
- Powerlines
- Water Features
- + Resource Damage Records
- ORV Trails
- Stand Boundary
- 096 - Other
- 100 - Final Harvest
- 300 - Shelterwood - Seed
- 700 - Shelterwood - Prep
- A - Aspen
- F - Upland Spruce or Fir
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- U - Upland Brush
- W - White Pine
- X - Non-Stocked

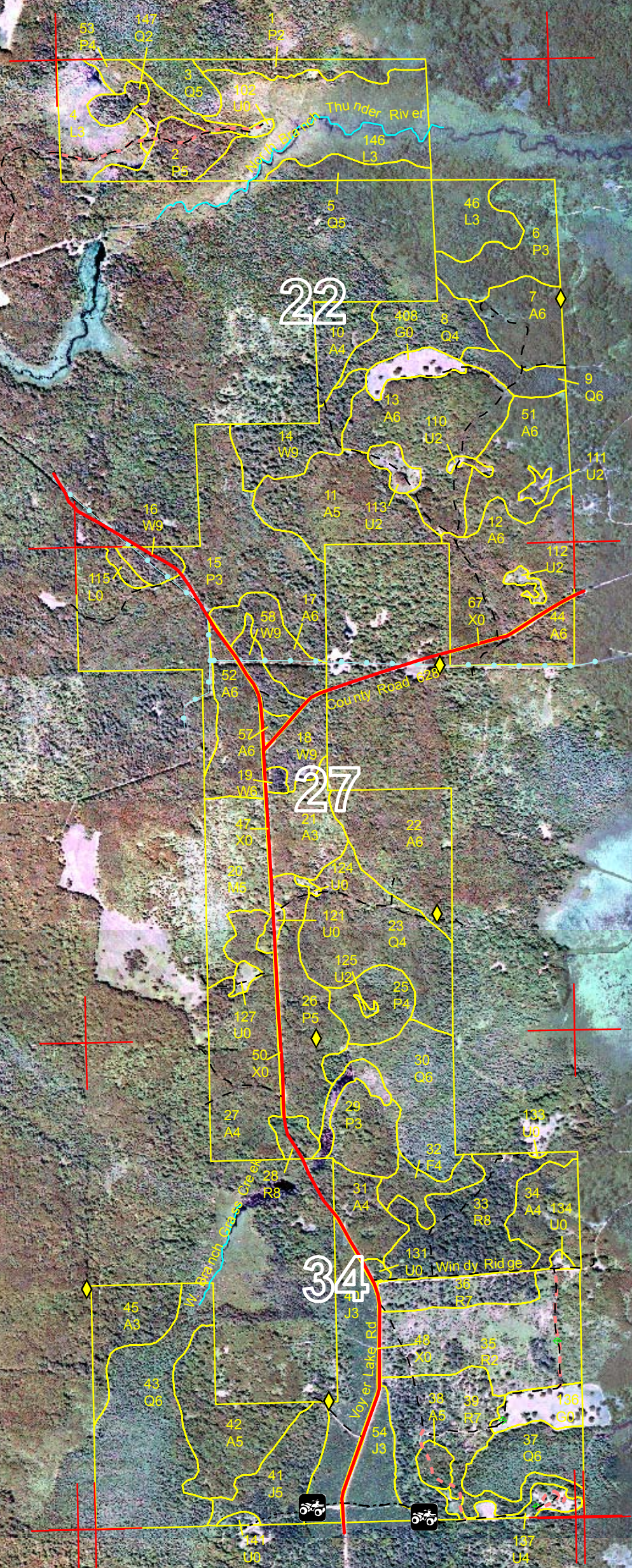


Stand Boundary Map

Compartment 74
 T32N, R03E, Sec. 22, 27, 34
 County: Montmorency
 Unit: Atlanta
 YOE: 2010
 Acres: 1,127 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 9/04/2008
 Map Phase: Pre-review



- Legend**
- ◆ RIs Corners
 - Miris Corners
 - County Paved Roads
 - - Poor Dirt Roads
 - - - Closed Roads
 - - - - Trails
 - Powerlines
 - Water Features
 - + Resource Damage Records
 - Ⓜ ORV Trails
 - Stand Boundary



14

15

23
Cranberry Lake

22

26
Grass Lake

27

35

34

32

33

05

04

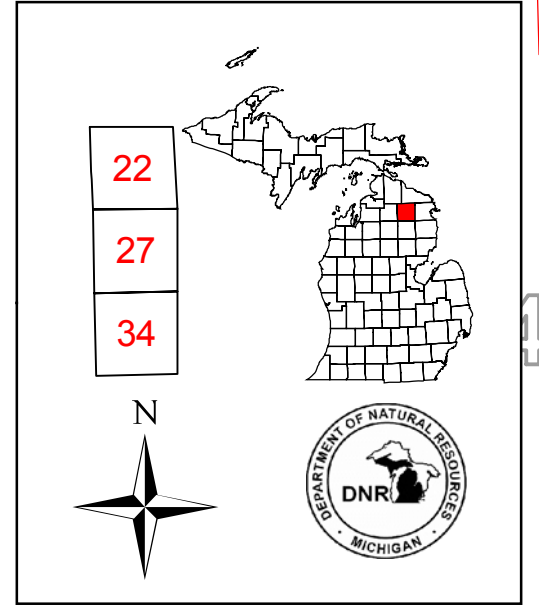
03

02

1 Miles

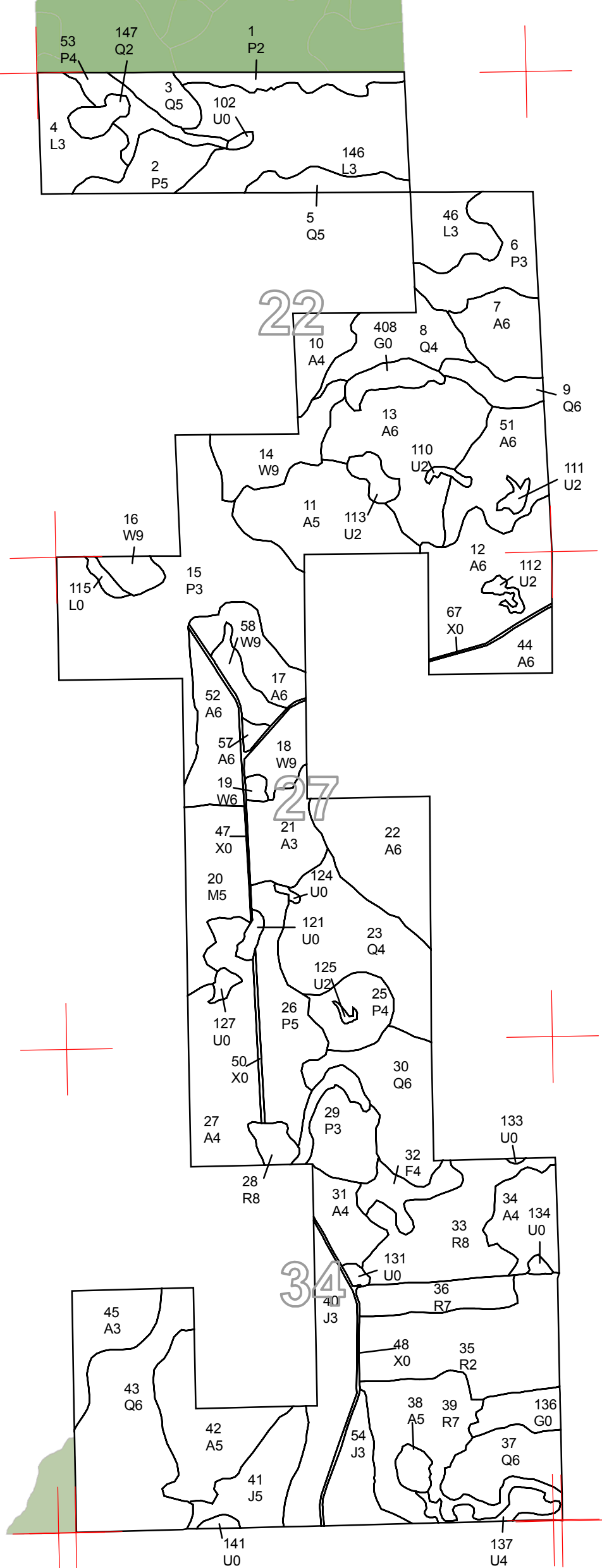
Dedicated & Proposed Special Conservation Area Map

Compartment 74
 T32N, R03E, Sec. 22, 27, 34
 County: Montmorency
 Unit: Atlanta
 YOY: 2010
 Acres: 1,127 GIS Calculated
 Stand Examiner: Robert Theiner
 Map Revised: 7/08/2008
 Map Phase: Pre-review



Legend

- Miris Corners
- Stand Boundary
- Boat Access Sites
- SCA - Special Conservation Area
- OI Special Conservation Areas
- Potential Old Growth Stands



84°4'0"W 84°3'0"W 84°2'0"W

45°10'0"N 45°9'0"N 45°8'0"N 45°7'0"N

16

15

21

22

28

27

26

25

33

34

35

36

4

3

2

1

13

4

45°8'0"N

45°7'0"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
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	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.