



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #26 ENTRY YEAR: 2009

Compartment Acreage: 2325.378 County: Baraga

Revision Date: 10/17/2007

Stand Examiner: Jason S. Mittlestat

Legal Description: Covington Township
T47N, R34W, Sections 2, 4

Covington Township
T48N, R34W, Sections 26, 33, 34 and 35

RMU (if applicable):

Management Goals: To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and Topography: This compartment is fairly rugged, with small rocky upland soils, some small hills and ridges. There is a fair amount of swamp. Soils: Upland soils are: Michigamme cobbly silt loam, Champion cobbly silt loam, Peshekee cobbly silt loam, Net silt loam, and rock. Lowland soils are: Carbondale Witbeck and Tacoosh mucks.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land is fragmented, and is intermixed with industry lands and small private landowners. Most of the use is timber production related, but there are some hunting camps in the area.

Unique, Natural Features (include only non-site specific and non-sensitive information): MNFI indicates the potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, gray wolf and the potential for wood turtle along drainages, for frigga fritillary and freija fritillary in open wetlands and bogs.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): none.

Special Management Designations or Considerations: There are several stands that are nominated for SCA designation, some as Riparian Corridors and others that contain Old Growth characteristics.

Watershed and Fisheries Considerations: The headwaters for the Net River are in this compartment.

Wildlife Habitat Considerations: Favor mesic conifers; White Pine and Hemlock, as well Northern Red Oak. This compartment also provides habitat favorable for moose.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of coarse-textured till and medium and coarse-textured till. There is approximately 10 to 50 feet of the glacial drift thickness. The Precambrian Michigamme Formation subcrops below the glacial drift. There is not a current economic use for these rocks. The Ford Road Pit is located just to the west and there should be potential on the uplands. Abandoned iron mines are located eleven miles to the northeast. This Compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: There are a few poor timber access roads into the compartment. Several bridges might be needed for timber access for lands on the west side of the compartment.

Survey Needs: Some survey work will be needed for timber harvest activities.

Recreational Facilities and Opportunities: There is some small game and deer hunting use in this compartment. There is also some fishing on the Net River.

Fire Protection: This area is subject to infrequent isolated lightning strike fires that are difficult to suppress due to difficult terrain.

Additional Compartment Information:

Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:

- ◆ **Cover Type by Age Class**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Listing – Forested**
- ◆ **Stand Listing – Non Forested**
- ◆ **Special Conservation Area (SCA) Details**

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**
- ◆ **SCA – Special Conservation Areas**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 11026

Date: 7/25/2007

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	43.3	0	0	0	0	0	0	0	0	0	14.5	57.8
Emergent Wetland	26	0	0	0	0	0	0	0	0	0	0	0	26
Herbaceous Openland	4.8	0	0	0	0	0	0	0	0	0	0	0	4.8
Low-Density Trees	7.1	0	0	0	0	0	0	0	0	0	0	0	7.1
Lowland Coniferous Forest	25.5	0	0	0	0	26.2	0	6.6	96.2	38.9	229.7	278.4	701.5
Lowland Deciduous Forest	0	0	0	0	0	0	0	0	0	0	100.8	0	100.8
Lowland Shrub	34.1	0	0	0	0	0	0	0	0	0	0	0	34.1
Mixed Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	92.4	92.4
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	19.9	0	143.9	0	163.8
Natural Pines	0	0	0	0	0	0	0	0	0	0	14.6	0	14.6
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	973.4	973.4
Other Upland Conifers	0	0	0	0	0	13.7	0	0	0	0	0	55.6	69.3
Road/Parking Lot	8.2	0	0	0	0	0	0	0	0	0	0	0	8.2
Upland Mixed Forest	0	0	0	61.9	0	0	0	0	0	0	0	0	61.9
Water	9.6	0	0	0	0	0	0	0	0	0	0	0	9.6
Grand Total	115.3	43.3	0	61.9	0	39.9	0	6.6	116.1	38.9	489	1414.3	2325.3

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
1 11026001-Cut	7.8	4112 - Maple, Beech, Cherry Association	9	76	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	

Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

5 11026005-Cut	14.7	4112 - Maple, Beech, Cherry Association	6	95	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

8 11026008-Cut	19.9	4199 - Other Mixed Upland Deciduous	0	0	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion

21 11026021-Cut	45.9	4112 - Maple, Beech, Cherry Association	9	79	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion

23 11026023-Cut	52.8	4115 - Y.Birch, Hemlock NH	6	83	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
24 11026024-Cut	72.0	4110 - Sugar Maple Association	9	71	0	Single Tree Selection	Regeneration	Sugar Maple Association	

Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

30 11026030-Cut	33.6	4191 - Mixed Upland Deciduous with Conifer	6	108	0	Clearcut with Reserves	Regeneration	Mixed Upland Deciduous with Conifer	
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Rev
Cmnt:

Rev Reserve White Pine. There may be some low cedar pocket that need to be lined out.
Spec:

Next
Steps: Check for adequate regeneration within four years of harvest completion.

33 11026033-Cut	1.7	4115 - Y.Birch, Hemlock NH	6	83	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

40 11026040-Cut	22.0	4112 - Maple, Beech, Cherry Association	9	71	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

44 11026044-Cut	9.9	4112 - Maple, Beech, Cherry Association	9	71	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 3
51 11026051-Cut	12.4	4112 - Maple, Beech, Cherry Association	9	71	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	

Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion

55 11026055-Cut	155.5	4112 - Maple, Beech, Cherry Association	9	83	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion

58 11026058-Cut	117.5	4115 - Y.Birch, Hemlock NH	9	66	0	Single Tree Selection	Regeneration	Y.Birch, Hemlock NH	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

62 11026062-Cut	15.1	4112 - Maple, Beech, Cherry Association	6	76	0	Single Tree Selection	Regeneration	Maple, Beech, Cherry Association	
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Rev
Cmnt:

Rev Thin stand down to 70-90 square feet of Basal Area using the single tree selection method. Follow marking guidelines as outlined in the "Complete
Spec: Marker". Favor mesic conifers White Pine and Hemlock as well as Hard Mast producing species such as Northern Red Oak.

Next
Steps: Check for adequate regeneration within four years of harvest completion.

**Total Treatment
Acreage Proposed: 580.6**

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Baraga

Mgt. Unit

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

Compartment: 26

Entry Yr: 2009

Inventory Method: IFMAP

Treatment
Name

Acres

Stage1
CovType

Size
Density

1st
Age

2nd
Age

Treatment
Method

Treatment
Purpose

Cover Type
Objective

Pg. 1

Limiting Factor
and Comment:

Rev
Cmnt:

No Stands with Limiting Factors

Rev
Spec:

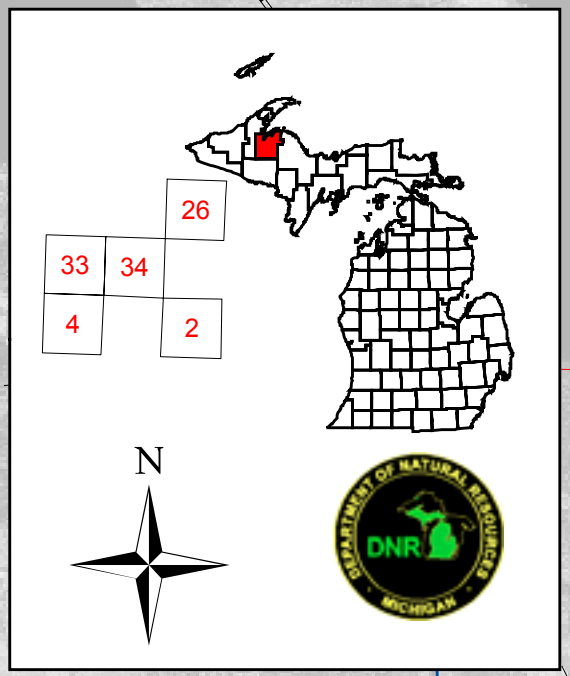
Next
Steps:

Total Treatment
Acreage Proposed: 0

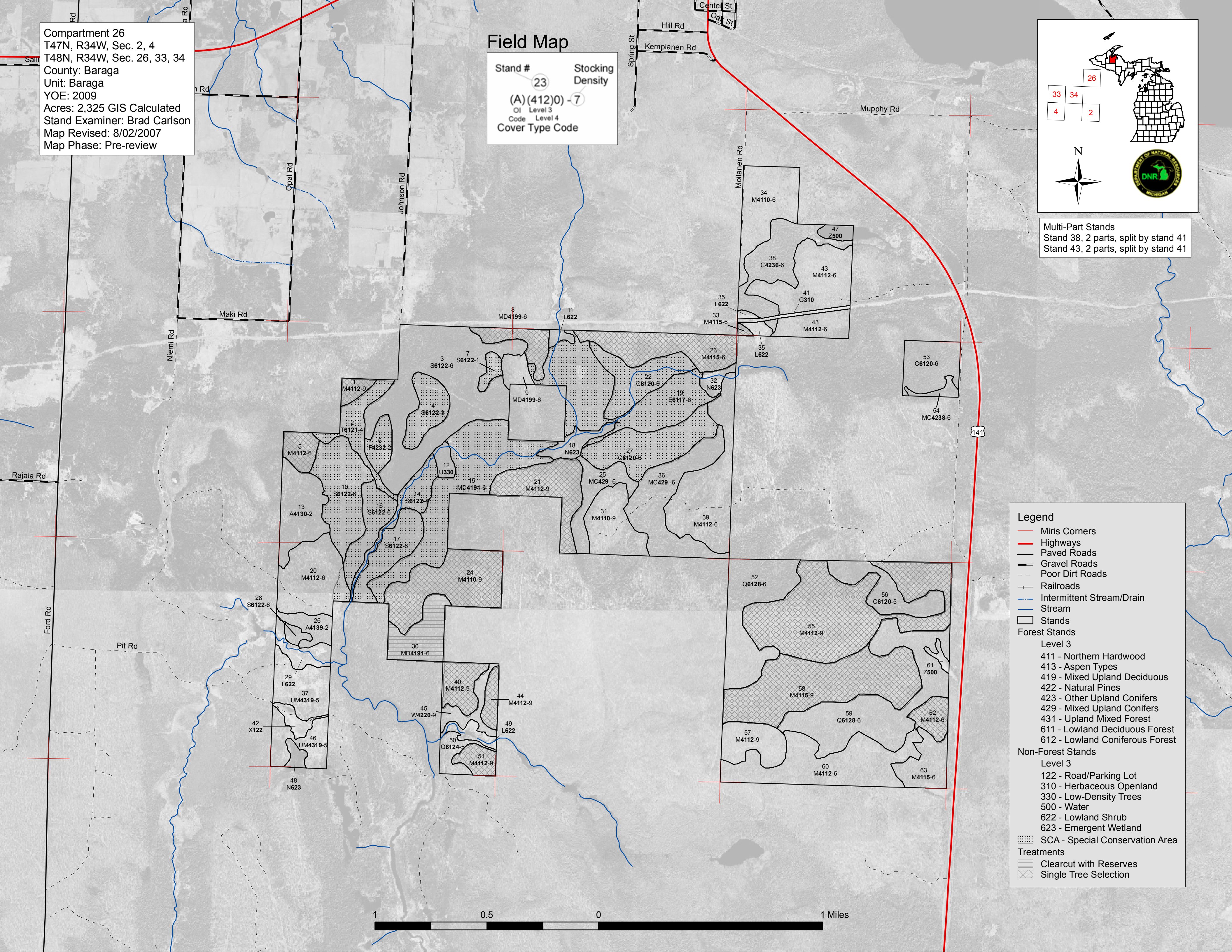
Compartment 26
 T47N, R34W, Sec. 2, 4
 T48N, R34W, Sec. 26, 33, 34
 County: Baraga
 Unit: Baraga
 YOE: 2009
 Acres: 2,325 GIS Calculated
 Stand Examiner: Brad Carlson
 Map Revised: 8/02/2007
 Map Phase: Pre-review

Field Map

Stand # **23**
 Stocking Density
(A) (412)0 -7
 OI Level 3
 Code Level 4
 Cover Type Code



Multi-Part Stands
 Stand 38, 2 parts, split by stand 41
 Stand 43, 2 parts, split by stand 41



Legend

- Miris Corners
- Highways
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Railroads
- Intermittent Stream/Drain
- Stream
- Stands

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

- SCA - Special Conservation Area

Treatments

- Clearcut with Reserves
- Single Tree Selection