CADILLAC FOREST MANAGEMENT UNIT

DNR

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 116 ENTRY YEAR: 2008

Compartment Acreage (GIS Acres): 2564 County: Missaukee

Revision Date: 11/09/2006 4:12 PM

Stand Examiner: David Fisher

Legal Description: T24N,R7W,Secs. 24,25,26,27,34,35,36
T24N,R6W,Secs. 19 and 30

RMU (if applicable): 226 Habitat/Vegetative- timber intensive.

Management Goals: Maintain a variety of cover types and age classes. Majority of harvests this YOE will occur in northern hardwood types.

Soil and Topography: Kalkaska, Rubicon sands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Four miles west of Moorestown, this compartment is a mixture of private and state land in and around the compartment. Private land has both permanent and seasonal residents. Land use in the compartment is hunting, trapping, snowmobiling and cross-country skiing.

Unique, Natural Features (include only non-site specific and non-sensitive information): Potential for great blue heron rookery, osprey, eagle, goshawk, red-shouldered hawk, massasauga, wood turtle and Blandings Turtle

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None listed in the archeological directory.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment is one of 7 in RMU 226. Major management emphasis is to convert some of the poorer hardwood stands to red pine and aspen. On the better sites, maintain cover types and age class diversity. Featured wildlife species are deer and ruffed grouse. The original RMU agreement called for the conversion of 120 acres of northern hardwood to white pine/red pine. Since that agreement there has been an increase in the aspen acreage and a loss of northern hardwood (L. Smith, 11/2/06)

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact outwash sand and gravel and coarse-textured till. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift are the Pennsylvanian Saginaw Formation and Mississippian Bayport Limestone and Michigan Formation. The Saginaw is quarried for clay, the Bayport for Limestone and the Michigan Formation for gypsum in other areas of the State. Gravel pits are located to the north and potential is good. The compartment is located just south of Cannon Creek Field. The field has produced from the Stray Sandstone. Most of the Compartment is currently leased for oil and gas exploration.

Vehicle Access: A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs: None needed.

Recreational Facilities and Opportunities: No facilities. Local landowners use the trails throughout the compartment for cross-country skiing and snowmobiling. There are several illegal ski trails on the east side of the compartment.

Fire Protection: This compartment primarily hardwoods, with a few small areas of spruce and jack pine. Access would be fairly good for suppression equipment. There are numerous areas of private property, which increases the urban interface concerns.

Additional Compartment Information:

Cover Type details and proposed treatments are listed in the attached reports:

- **Cover Type by Age Class**
- **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**

Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 63116

Date: 11/9/2006

	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	122.9	221.9	53.6	4.9	0	0	0	0	0	0	0	403.3
Herbaceous Openland	24.3	0	0	0	0	0	0	0	0	0	0	0	24.3
Low-Density Trees	27.8	0	0	0	0	0	0	0	0	0	0	0	27.8
Lowland Shrub	4.4	0	0	0	0	0	0	0	0	0	0	0	4.4
Natural Pines	0	0	0	0	0	0	0	0	6.8	0	0	0	6.8
Northern Hardwood	0	0	0	0	0	12.6	0	371.2	592.6	433.5	0	0	1409.9
Oak Types	0	0	0	0	0	0	0	0	0	90.8	0	0	90.8
Other Upland Conifers	0	0	0	0	0	345.6	0	0	0	0	0	0	345.6
Planted Pines	0	0	0	0	0	120.8	109	0	0	0	0	0	229.8
Road/Parking Lot	5	0	0	0	0	0	0	0	0	0	0	0	5
Water	15.9	0	0	0	0	0	0	0	0	0	0	0	15.9
Grand Total	77.4	122.9	221.9	53.6	4.9	479	109	371.2	599.4	524.3	0	0	2563.6

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
103	**103-Cut**	14.0	Planted Red Pine	9	55	0	Low Thinning	Intermediate Cut	Planted Red Pine

Rev Cmnt: Boarders private on West side.

Rev Spec: Thin from below. Target a residual BA of 120. Not yet utility pole size. High quality. Average diameter for stand is 12 inches.

Next Steps: Harvest utility poles next YOE.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
109	**109-Cut**	34.1	Maple, Beech, Cherry Association	9	87	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Hilly terraine. Boarders private line on the east and south.

Rev Spec: Thin. Follow the guidelines in the Compleate Marker.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
110	**110-Cut**	206.1	Maple, Beech, Cherry Association	9	75	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Hilly terrain. Illegal ski trail passes through stand. Trail will be removed by harvest.

Rev Spec: Thin. Follow the guidelines in the Compleat Marker. Target a residual BA of 80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
13	**13-Cut**	9.8	Mixed N. Hardwood - Aspen	6	75	0	Low Thinning	Intermediate Cut	Mixed N. Hardwood - Aspen

Rev Cmnt:

Rev Spec: Follow guidelines in the Compleat Marker. Target a residual BA of 70-80. Harvest all aspen.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
16	**16-Cut**	11.1	Mixed Northern Hardwoods	6	72	0	Low Thinning	Intermediate Cut	Mixed Northern Hardwoods

Rev Cmnt: Poor access. Hilly with no roads to the north. Private to the east and wet A3 to the west and south. Best access may be from private.

Rev Spec: Follow marking guidelines in the Compleate Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
17	**17-Cut**	5.5	Planted Spruce	6	45	0	Systematic Thinning	Intermediate Cut	Planted Spruce

Rev Cmnt: Narrow rows. Good access from Van Dermullen Road.

Rev Spec: Row thin. Take two leave two.

Next Steps: Long term management goal is northern hardwoods.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
19	**19-Cut**	43.8	Planted Spruce, Mixed Deciduous	6	45	0	Systematic Thinning	Intermediate Cut	Planted Spruce

Rev Cmnt: Narrow rows.

Rev Spec: Row thin. Take two leave two. Harvest all hardwood within the rows. Do not cut Oak.

Next Steps: Long term management objective is northern hardwoods, maintaining the spruce component.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
20	**20-Cut**	7.5	Maple, Beech, Cherry Association	6	61	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Private line needed on north and south.

Rev Spec: Thin. Follow the guidelines for marking poletimber in the Compleat Marker. Harvest all aspen.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
21	**21-Cut**	11.4	Planted Spruce	6	45	0	Systematic Thinning	Intermediate Cut	Planted Spruce

Rev Cmnt: Narrow row.

Rev Spec: Row thin. Take two leave two.

Next Steps: Long term management goal of northern hardwood.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
22	**22-Cut**	23.1	Planted White Pine, Mixed Deciduous	6	44	0	Systematic Thinning	Intermediate Cut	Planted White Pine, Mixed Deciduous

Rev Cmnt: Good access from Van Dermullen Road.

Rev Spec: Row thin. Take two leave two. Do not cut oak.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
2	**2-Cut**	97.3	Mixed Northern Hardwoods	6	70	0	Low Thinning	Intermediate Cut	Mixed Northern Hardwoods

Rev Cmnt: Hilly terrain. Central (narrow portion) of stand is wet. Southern portion of stand is easily accessed by state two track. Northern portion is best accessed off of private.

Rev Spec: Follow guidelines in the compleat marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
33	**33-Cut**	15.0	Planted Spruce, Mixed Deciduous	6	46	0	Systematic Thinning	Intermediate Cut	Planted Spruce, Mixed Deciduous

Rev Cmnt: Narrow rows.

Rev Spec: Row thin. Take two leave two. Harvest all hardwood within the rows. Do not cut oak.

Next Steps: Long term management goal of northern hardwoods. Maintain spruce component.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
41	**41-Cut**	88.9	Maple, Beech, Cherry Association	9	85	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Stand boarders private to the north. BA and quality varies throughout stand. Southern portion of stand is lower quality.

Rev Spec: Follow the guidelines in the Compleat Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
45	**45-Cut**	56.9	Planted Jack Pine	6	55	0	Clearcut	Cover Type Conversion	Planted Jack Pine

Rev Cmnt: Flat terrain. Boarders private to the south.

Rev Spec: Final Harvest. Do not cut Oak.

Next Steps: Plant red pine.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
49	**49-Cut**	98.7	Maple, Beech, Cherry Association	6	64	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Hilly terraine. Stand boarders private to the west. Southern portion of stand is higher quality than the north portion.

Rev Spec: Follow the marking in poletimber guidelines in the Complete Marker.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
51	**51-Cut**	77.6	Maple, Beech, Cherry Association	6	68	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Good access.

Rev Spec: Follow marking guidelines in the Compleat Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
58	**58-Cut**	6.8	Natural White Pine	6	78	0	Low Thinning	Intermediate Cut	Natural White Pine

Rev Cmnt: Natural white pine stand. Aspen and red maple were removed with adjacent aspen cut.

Rev Spec: Thin for access and remove defect. Target a residual BA of 80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
1	**63116001-Cut**	13.6	Planted Spruce, Mixed Deciduous	6	45	0	Systematic Thinning	Intermediate Cut	Planted Spruce, Mixed Deciduous

Rev Cmnt: Narrow rows. Hilly terrain.

Rev Spec: Row thin. Take two leave two. Harvest all hardwood within the rows. Do not cut Oak.

Next Steps: Long term management of northern hardwood, maintaining the spruce component.

Cadillac Mgt. Unit

PROPOSED TREATMENTS
NO LIMITING FACTORS

Compartment: 116 Entry Yr: 2008

Inventory Method: IFMAP

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
27	**63116027-Cut**	70.0	Maple, Beech, Cherry Association	9	87	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Good access. Norhern portion of stand is higher quality than the southern portion.

Rev Spec: Follow marking guidelines in the Compleat Marker. Target a residual BA of 70-80. Harvest all aspen.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
36	**63116036-Cut**	2.1	Planted White Pine, Mixed Deciduous	6	44	0	Systematic Thinning	Intermediate Cut	Natural White Pine, Mixed Deciduous

Rev Cmnt:

Rev Spec: Row thin. Take two leave two. Do not cut oak.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
38	**63116038-Cut**	24.7	Sugar Maple Association	6	63	0	Low Thinning	Intermediate Cut	Sugar Maple Association

Rev Cmnt:

Rev Spec: Follow the guidelines in the Compleate Marker. Harvest all aspen. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
61	**63116061-Cut**	1.7	Sugar Maple Association	6	74	0	Crown Thinning	Intermediate Cut	Sugar Maple Association

Rev Cmnt: Stand boarders private on the south and west side. May be able to access from private. Will need to build a road to access from state.l

Rev Spec: Follow the guidelines in the Compleat Marker. Thin to 80 BA. Harvest all aspen.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
62	**63116062-Cut**	13.5	Planted White Pine	6	46	0	Systematic Thinning	Intermediate Cut	Planted White Pine

Rev Cmnt: Boarders private on the west and south.

Rev Spec: Row thin. Take two leave two. Remove as much overtopping hardwood as possible without damaging residuals.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
63	**63116063-Cut**	6.2	Sugar Maple Association	6	74	0	Low Thinning	Intermediate Cut	Sugar Maple Association

Rev Cmnt: Narrow strip of sugar maple between two white pine stands. Road will need to be constructed for access or access from private.

Rev Spec: Follow marking guidelines in the Compleat Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
66	**63116066-Cut**	1.7	Sugar Maple Association	6	74	0	Low Thinning	Intermediate Cut	Sugar Maple Association

Rev Cmnt: difficult to access. Best access is from private to the south.

Rev Spec: Follow the marking guidelines in the Compleat Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
86	**63116086-Cut**	120.4	Mixed Northern Hardwoods	6	67	0	Low Thinning	Intermediate Cut	Mixed Northern Hardwoods

Rev Cmnt: Good access, hilly terrain.

Rev Spec: Select cut to BA of 70 to 80. Reove lower quality stems. Favor sugar maple, black cherry.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
65	**65-Cut**	45.9	Planted White Pine, Mixed Deciduous	6	46	0	Systematic Thinning	Intermediate Cut	Planted White Pine

Rev Cmnt: Nice rows. Some areas of overtopping hardwood.

Rev Spec: Row thin. Take two leave two. Harvest as much hardwood as possible without damaging residuals.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
69	**69-Cut**	42.8	Maple, Beech, Cherry Association	6	75	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Stand boarders private to the west.

Rev Spec: follow the guidelines for marking in poletimber in the Compleate Marker. Maintain the white spruce component in the stand (do not cut all of it).

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
75	**75-Cut**	36.1	Planted White Pine, Mixed Deciduous	6	46	0	Systematic Thinning	Intermediate Cut	Planted White Pine

Rev Cmnt: Nice rows. Some areas of stand are overtopped by hardwood.

Rev Spec: Row thin. Take two leave two. Remove as much hardwood as possible without damaging residuals. Do not cut oak.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
7	**7-Cut**	4.5	Sugar Maple Association	6	78	0	Low Thinning	Intermediate Cut	Sugar Maple Association

Rev Cmnt:

Rev Spec: Follow guidelines in the Compleat Marker. Target a residual BA of 80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
82	**82-Cut**	3.6	Maple, Beech, Cherry Association	9	86	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Private to the south. Found survey corner to the east of the stand.

Rev Spec: Follow the marking guidelines in the Compleat Marker. Target a residual BA of 70-80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
92	**92-Cut**	11.9	Planted Jack Pine	6	55	0	Clearcut	Cover Type Conversion	Planted Jack Pine

Rev Cmnt:

Rev Spec: Final harvest. Do not cut oak, if present.

Next Steps: Plant red pine.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
94	**94-Cut**	11.2	Planted Red Pine	6	51	0	Low Thinning	Intermediate Cut	Planted Red Pine

Rev Cmnt:

Rev Spec: Thin. Target a residual BA of 120.

Next Steps: Harvest utility poles next YOE.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
98	**98-Cut**	15.0	Planted Jack Pine	6	53	0	Clearcut	Cover Type Conversion	Planted Jack Pine

Rev Cmnt: Planted jack pine strips.

Rev Spec: Final harvest. Do not cut oak, if present.

Next Steps: Plant red pine.

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
99	**99-Cut**	47.5	Maple, Beech, Cherry Association	9	89	0	Low Thinning	Intermediate Cut	Maple, Beech, Cherry Association

Rev Cmnt: Hilly terraine. Boarders private to the south.

Rev Spec: Thin. Follow the guidelines in the Compleat Marker. Target a residual BA of 80.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective
9	**9-Cut**	24.3	Planted Spruce	6	45	0	Systematic Thinning	Intermediate Cut	Planted Spruce

Rev Cmnt: Narrow rows. Hilly terrain.

Rev Spec: Row thin. Take two leave two.

Next Steps: Long term management objective of northern hardwoods.

Total Treatment Acreage Proposed: 1304.7

S t a n d	Treatment Name	Acres	Mgt. Unit Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1

PROPOSED TREATMENTS WITH LIMITING FACTORS

Compartment:

Entry Yr:

Inventory Method: IFMAP

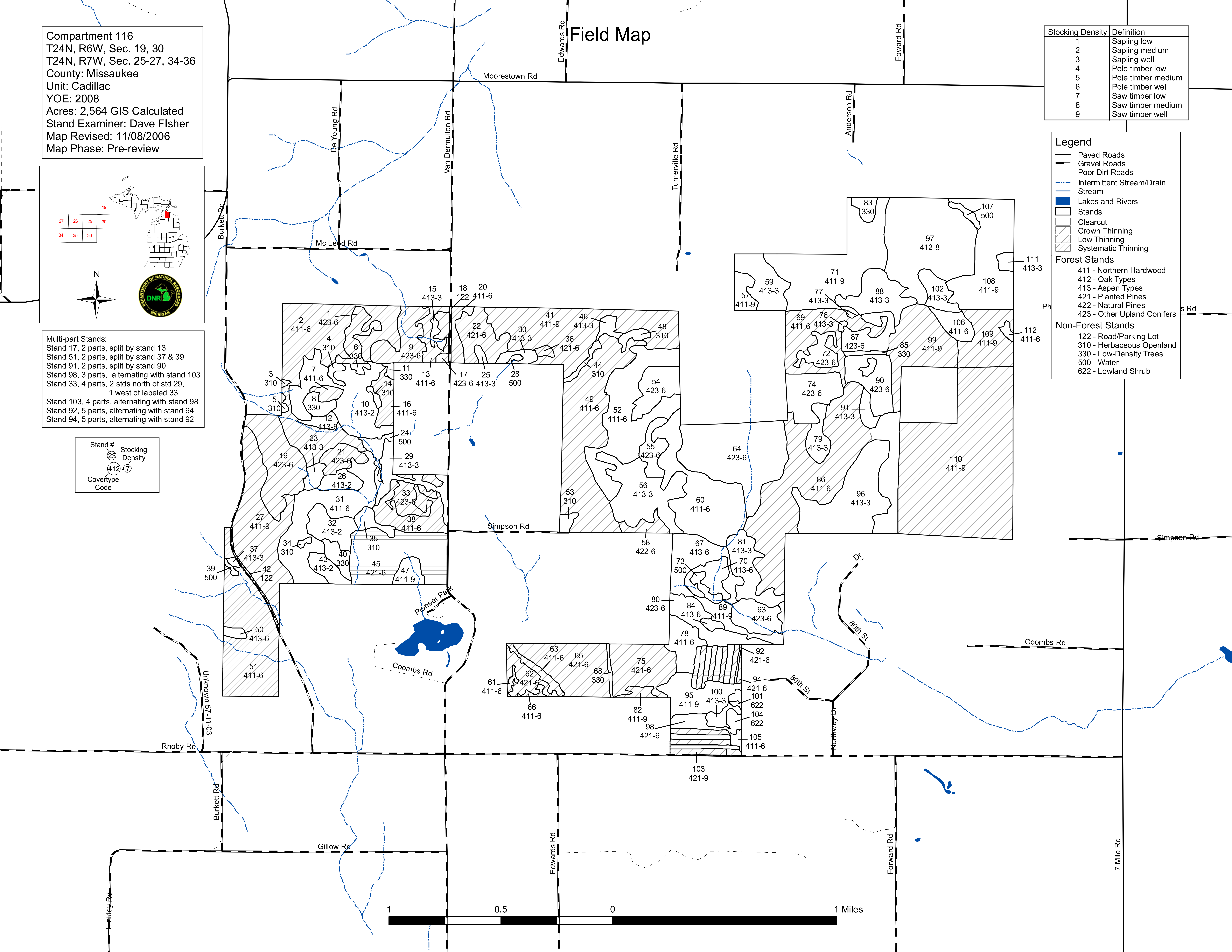
Limiting Factor and Comment:

Rev Cmnt:

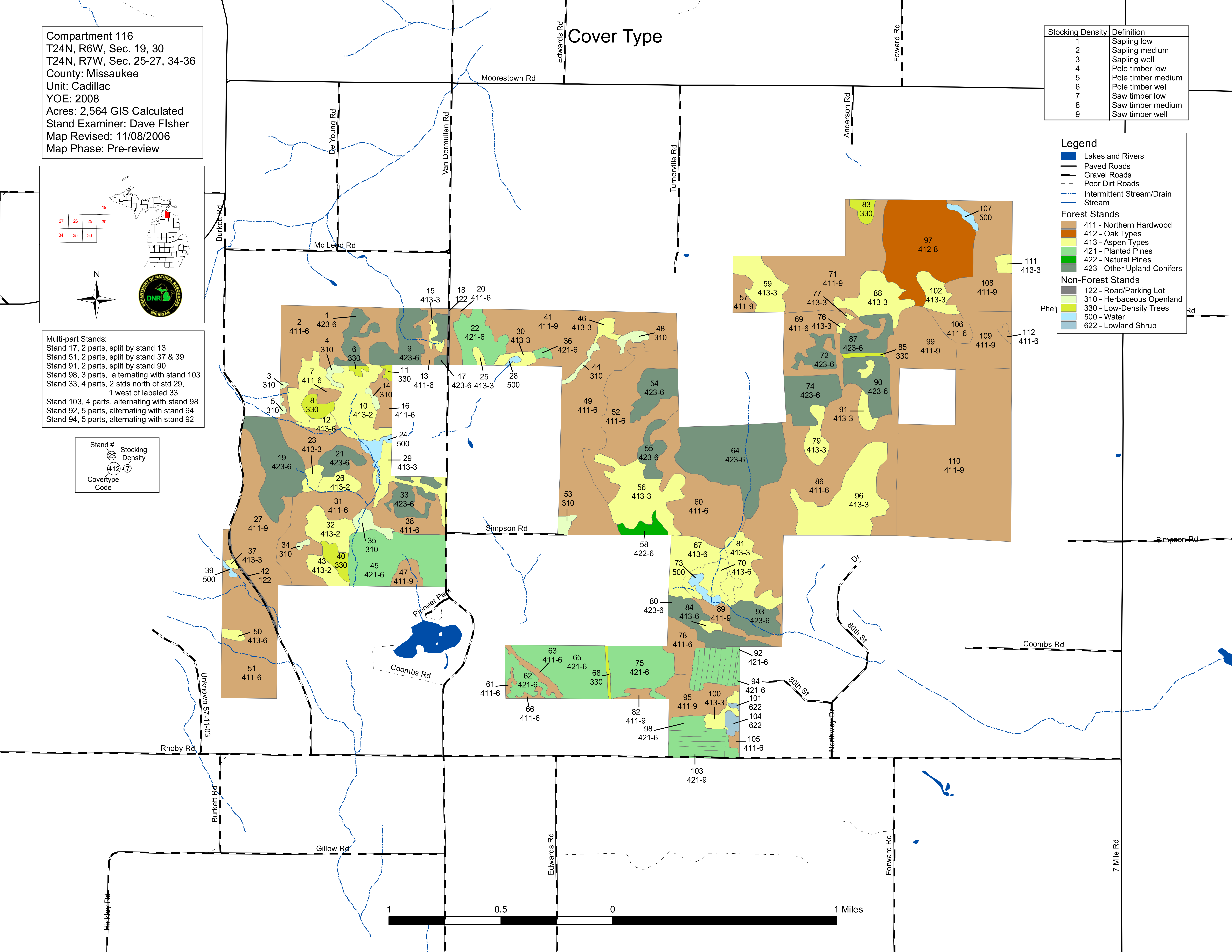
Rev Spec:

Next Steps:

Total Treatment Acreage Proposed: **#Error**



Field Map
Compartment 116
T24N, R6W, Sec. 19, 30
T24N, R7W, Sec. 25-27, 34-36
County: Missaukee
Unit: Cadillac
YOE: 2008
Acres: 2,564 GIS Calculated
Stand Examiner: Dave FIsher
Map Revised: 11/08/2006
Map Phase: Pre-review
Stocking Density | Definition
1 Sapling low
2 Sapling medium
3 Sapling well
4 Pole timber low
5 Pole timber medium
6 Pole timber well
7 Saw timber low
8 Saw timber medium
9 Saw timber well
Legend
Paved Roads
Gravel Roads
Poor Dirt Roads
Intermittent Stream/Drain
Stream
Lakes and Rivers
Stands
Clearcut
Crown Thinning
Low Thinning
Systematic Thinning
Forest Stands
411 - Northern Hardwood
412 - Oak Types
413 - Aspen Types
421 - Planted Pines
422 - Natural Pines
423 - Other Upland Conifers
Non-Forest Stands
122 - Road/Parking Lot
310 - Herbaceous Openland
330 - Low-Density Trees
500 - Water
622 - Lowland Shrub
Multi-part Stands:
Stand 17, 2 parts, split by stand 13
Stand 51, 2 parts, split by stand 37 & 39
Stand 91, 2 parts, split by stand 90
Stand 98, 3 parts, alternating with stand 103
Stand 33, 4 parts, 2 stds north of std 29,
1 west of labeled 33
Stand 103, 4 parts, alternating with stand 98
Stand 92, 5 parts, alternating with stand 94
Stand 94, 5 parts, alternating with stand 92
Stand #
Stocking Density
Covertype Code
N
Moorestown Rd
Edwards Rd
Foward Rd
De Young Rd
Van Dermullen Rd
Turnerville Rd
Anderson Rd
Burkett Rd
Mc Leod Rd
Simpson Rd
Pioneer Park
Coombs Rd
80th St
Northway Dr
Unknown 57-11-03
Rhoby Rd
Gillow Rd
Hinkley Rd
Forward Rd
7 Mile Rd
1 0.5 0 1 Miles



Cover Type
Compartment 116
T24N, R6W, Sec. 19, 30
T24N, R7W, Sec. 25-27, 34-36
County: Missaukee
Unit: Cadillac
YOE: 2008
Acres: 2,564 GIS Calculated
Stand Examiner: Dave FIsher
Map Revised: 11/08/2006
Map Phase: Pre-review
Stocking Density Definition
1 Sapling low
2 Sapling medium
3 Sapling well
4 Pole timber low
5 Pole timber medium
6 Pole timber well
7 Saw timber low
8 Saw timber medium
9 Saw timber well
Legend
Lakes and Rivers
Paved Roads
Gravel Roads
Poor Dirt Roads
Intermittent Stream/Drain
Stream
Forest Stands
411 - Northern Hardwood
412 - Oak Types
413 - Aspen Types
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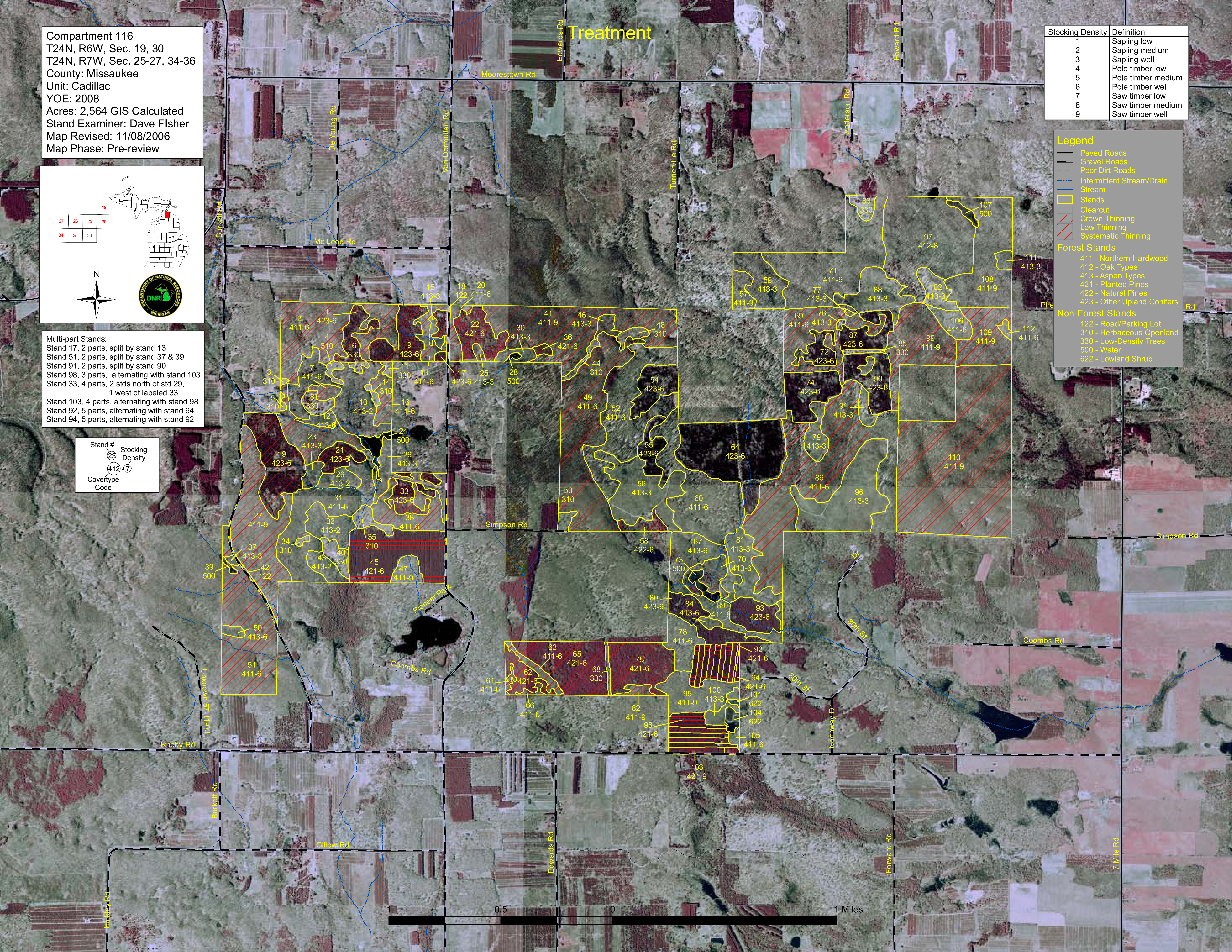
Stand 51, 2 parts, split by stand 37 & 39
Stand 91, 2 parts, split by stand 90
Stand 98, 3 parts, alternating with stand 103
Stand 33, 4 parts, 2 stds north of std 29, 1 west of labeled 33
Stand 103, 4 parts, alternating with stand 98
Stand 92, 5 parts, alternating with stand 94
Stand 94, 5 parts, alternating with stand 92
Stand # 23 Stocking Density
412 7
Covertype Code
N
1 0.5 0 1 Miles



Compartment 116
T24N, R6W, Sec. 19, 30
T24N, R7W, Sec. 25-27, 34-36
County: Missaukee
Unit: Cadillac
YOE: 2008
Acres: 2,564 GIS Calculated
Stand Examiner: Dave FIsher
Map Revised: 11/08/2006
Map Phase: Pre-review
Treatment
Stocking Density | Definition
1 Sapling low
2 Sapling medium
3 Sapling well
4 Pole timber low
5 Pole timber medium
6 Pole timber well
7 Saw timber low
8 Saw timber medium
9 Saw timber well
Legend
Paved Roads
Gravel Roads
Poor Dirt Roads
Intermittent Stream/Drain
Stream
Stands
Clearcut
Crown Thinning
Low Thinning
Systematic Thinning
Forest Stands
411 - Northern Hardwood
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MICHIGAN
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Stand 51, 2 parts, split by stand 37 & 39
Stand 91, 2 parts, split by stand 90
Stand 98, 3 parts, alternating with stand 103
Stand 33, 4 parts, 2 stds north of std 29,
1 west of labeled 33
Stand 103, 4 parts, alternating with stand 98
Stand 92, 5 parts, alternating with stand 94
Stand 94, 5 parts, alternating with stand 92
Stand #
Stocking Density
Covertype Code
Moorestown Rd
Mc Leod Rd
Simpson Rd
Coombs Rd
Pioneer Park
Rhoby Rd
Gillow Rd
Burkett Rd
De Young Rd
Van Dermulen Rd
Edwards Rd
Turnerville Rd
Anderson Rd
Forward Rd
Northway Dr
80th St
7 Mile Rd
1 0.5 0 1 Miles