



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 140 ENTRY YEAR: 2008

Compartment Acreage: 1933 County: Roscommon

Revision Date: 10-15-2005

Stand Examiner: J. Hartman

Legal Description: T21N R3W sections 3, 10, and 15

RMU (if applicable): Not Applicable

Management Goals: Balance age classes and enhance in-stand diversity of various cover types providing a range of stand structures and habitats.

Soil and Topography: This compartment is relatively flat, but has various soil types. The northeast corner is composed of PVCd. The center of the compartment is a transition from PVCd to PArVHa and the southeast corner is primarily PArVvb. The wetland areas are surrounded by PArVCo types.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Solid state ownership.

Unique, Natural Features: Potential exists for Kirtland's warbler and prairie warbler. Grassy openings and open jack pine and oak stands also have the potential for secretive locust, dusted skipper, grizzled skipper, red-legged spittlebug, Hill's thistle, rough fescue, Alleghany plum, and pale agoseris.

Archeological, Historical, and Cultural Features: There is an archeological site on record on section 10. It has been added to the OFS layer.

Special Management Designations or Considerations: Some stands in this compartment were nominated as potential old-growth in the 2000 old-growth plan for the Roscommon unit. One additional stand was nominated for an SCA due to potential for barrens restoration.

Watershed and Fisheries Considerations: This compartment contains a large amount of acreage in non-forested wetlands.

Wildlife Habitat Considerations: Several stands small aspen stands were nominated for treatment in order to maintain the aspen component along the riparian areas.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for brick making clay elsewhere in the State. A gravel pit is located in Section 10, but potential appears to be limited. Headquarters Field is located one mile to the southwest. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The compartment is not currently leased.

Vehicle Access: There is good vehicle access to most areas of the compartment.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: There are several miles of ORV and Snowmobile trail in the compartment.

Fire Protection: There is good access and a number of water points throughout this compartment.

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: 71140

Date: 10/25/2006

	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	0	56.9	0	140.7	134.9	0	0	31.5	0	0	0	364
Emergent Wetland	96.7	0	0	0	0	0	0	0	0	0	0	0	96.7
Lowland Coniferous Forest	0	0	0	0	0	0	12.4	0	29.2	22.9	0	8	72.5
Lowland Deciduous Forest	0	0	0	0	0	15.4	0	4.5	0	0	6.9	0	26.8
Lowland Shrub	195.7	0	0	0	0	0	0	0	0	0	0	0	195.7
Mixed Upland Deciduous	0	0	14.4	0	0	5.5	4.2	0	7.2	0	0	0	31.3
Mixed non-forested wetland	23.2	0	0	0	0	0	0	0	0	0	0	0	23.2
Natural Pines	0	0	69.8	63.1	133.7	19.9	6.6	66.3	10.1	24.6	0	58.3	452.4
Northern Hardwood	0	0	0	0	9.6	0	0	0	0	0	0	0	9.6
Oak Types	0	0	0	6.7	0	0	0	0	0	59.2	76.8	10.2	152.9
Planted Pines	0	0	167	0	0	0	0	0	26.1	0	0	0	193.1
Upland Mixed Forest	0	0	0	0	0	12.1	5.9	0	0	34.7	59.6	64.8	177.1
Upland Shrub	129.4	0	0	0	0	0	0	0	0	0	0	0	129.4
Water	7.8	0	0	0	0	0	0	0	0	0	0	0	7.8
Grand Total	452.8	0	308.1	69.8	284	187.8	29.1	70.8	104.1	141.4	143.3	141.3	1932.5

S t a n d	Roscommon Mgt. Unit		PROPOSED TREATMENTS NO LIMITING FACTORS				Compartment: 140	Entry Yr: 2008		Pg. 1
	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	
2	140002	11.5	Planted Red Pine	9	79	0	Crown Thinning	Intermediate Cut	Planted Red Pine	

Rev
Cmnt:

Rev Planted around 1927 amongst some natural monarchs. Height= 75 ft. Needs to be thinned in southern portion. Not much for pole material yet. North part
Spec has some established RP regen and is sparse in the canopy.

Next
Steps:

8	140008	5.5	Other Mixed Upland Deciduous	6	42	65	Clearcut with Reserves	Habitat Management	Aspen
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Rev
Cmnt:

Rev Has a few different ages of aspen that are falling apart. Stand will convert to red maple if not treated soon. Winter harvest.
Spec

Next
Steps:

9	140009	3.2	Oak, Pine	3	85	69	Other - Specify in Comments	Intermediate Cut	Oak, Pine
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Rev
Cmnt:

Rev Mark to cut and manage for an oak pine mixture. Tack this small stand onto the shortwood aspen sale to the east.
Spec

Next
Steps:

17	140017	13.9	Mixed Oak	9	89	0	Seed Tree with Reserves	Regeneration	Oak, Pine
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Rev
Cmnt:

Rev Intend to manage for a mix of oak and pine. Mark 10-40 sq. ft of large crowned seed producers of oak and pine to leave and leave all pine <4 in.
Spec Acceptable regen mix of oak, aspen, white pine, red pine, and red maple.

Next Wouldn't plan on coming back for the overstory retention.
Steps:

20	140020	28.8	Natural Mixed Pine	9	68	0	Clearcut with Reserves	Regeneration	Natural Pine, Mixed Deciduous
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Rev
Cmnt:

Rev Leave a highly variable residual BA by marking to leave in pockets. Regeneration harvest for natural regen leaving retention of mature red pine and
Spec white oak and all WP < 4". Acceptable regen mix of JP, PO, QA, RM, RP, and WP.

Next
Steps:

30	140030	37.2	Mixed Upland Forest	9	90	70	Clearcut with Reserves	Ecosystem Restoration	Other-Specify in Comments
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Rev Restore to oak/pine barrens and convert to non-forested. Retain oak and pine component over time in order to create structure, mast, and scattered
Cmnt: overmature pine. Very well scattered regeneration may be goal in future entries, but is not a concern for a while.

Rev Clear-cut w/ reserves by marking mast trees and pine to leave. Reserve trees should be highly variable density and could be left in patches. Locate
Spec landing outside of burn area if possible.

Next Prescribed burn in order to stimulate warm season grasses. Use SCA nomination to track burns on approximately a 2-5 yr interval. Interval can grow
Steps: after first few burns.

**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
32 140032	3.7	Aspen	9	75	0	Clearcut	Habitat Management	Aspen	

Rev Cmnt: Three staggered aspen clones along wetland complex. Regenerate young aspen for habitat.

Rev Spec: Clear-cut. Shortwood harvest necessary. Series of other similar stands in this compartment that can be lumped into a shortwood sale.

Next Steps:

35 140035	6.9	Natural Jack Pine	6	49	0	Other - Specify in Comments	Release	Black, N. Pin Oak	
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Rev Cmnt: Has some 60 + yr old jack pine as well as traces of aspen, balsam, RP, WP, and RM. Has a component of young oak.

Rev Spec: Spec cut everything, but oak. Lump in with sale to the east. Unit line of sale will end up being fireline for burn to east. Locate landing for both units in this stand.

Next Steps:

37 140037	7.2	Natural Red Pine	9	62	0	Shelter Wood with Reserves	Regeneration	Natural Pine, Mixed Deciduous	
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Rev Cmnt:

Rev Spec: Mark the east side of the road to cut taking u-pole quality trees and cull and leaving the white pine understory.

Next Steps:

37 140037-burn	13.0	Natural Red Pine	9	62	0	Seed Tree with Reserves	Regeneration	Natural Red Pine	
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Rev Cmnt: Excellent red pine site. Somewhat open grown. Take U-poles before leaving class

Rev Spec: Mark to leave large crowned seed producers variable retention of around 20 sq. ft. Locate landing in stand to the west to avoid landing material within rx burn.

Next Steps: Conduct two late summer prescribed burns in within a three year period.

38 140038	5.9	Pine, Aspen Mix	9	58	0	Clearcut with Reserves	Habitat Management	Aspen	
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Rev Cmnt: Mixed stand along flooding. Manage parts as aspen for habitat.

Rev Spec: Clear-cut w/ reserves for habitat along flooding. Stay out of bog area and spots without much aspen.

Next Steps:

48 140048	2.9	Mixed N. Hardwood - Aspen	6	38	0	Clearcut with Reserves	Habitat Management	Aspen	
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Rev Cmnt: Has pockets of lowland and some beaver activity. Needs to be treated soon in order to maintain aspen component.

Rev Spec: Clear-cut w/ reserves. Treatment won't cover entire AOI. Dormant cut. May be a good spot to create rabbitat. Lump with other small shortwood aspen cuts.

Next Steps:

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 3
53	140053	22.3	Mixed Upland Forest	9	90	0	Crown Thinning	Intermediate Cut	Natural Pine, Mixed Deciduous	
<u>Rev</u> <u>Cmnt:</u>	Mixed natural pine stands that are heavy to red maple. Gaps starting in spots. White pine and red maple regen heavy in spots.									
<u>Rev</u> <u>Spec</u>	Recommend a crown thinning and removal of U-poles.									
<u>Next</u> <u>Steps:</u>	Look at transitioning to uneven-aged management in the long-run in these stands.									
54	140054	6.6	Natural Jack Pine	9	54	45	Clearcut with Reserves	Regeneration	Natural Jack Pine, Mixed Deciduous	
<u>Rev</u> <u>Cmnt:</u>	Has a couple ages of older jack pine as well and some pole sized aspen.									
<u>Rev</u> <u>Spec</u>	Clear-cut for regeneration and leave oak for reserves. Part of shortwood sale for the compartment in order to leave tops. It is a small stand anyway. Mixed jack and aspen acceptable.									
<u>Next</u> <u>Steps:</u>										
60	140060	6.9	Aspen	6	45	0	Clearcut with Reserves	Habitat Management	Aspen	
<u>Rev</u> <u>Cmnt:</u>	Mostly pole-sized suppressed aspen with mixed oak/red maple. Manage for aspen									
<u>Rev</u> <u>Spec</u>	Clear-cut w/ reserves. Mark a few big wolfy oak to leave.									
<u>Next</u> <u>Steps:</u>										
63	140063	3.6	Natural Mixed Pine	9	64	0	Crown Thinning	Intermediate Cut	Natural Mixed Pine	
<u>Rev</u> <u>Cmnt:</u>	Mixed red and white pine stand that needs to be thinned.									
<u>Rev</u> <u>Spec</u>	Mark to cut for best tree in place. Not ready for poles yet.									
<u>Next</u> <u>Steps:</u>										
69	140069	1.9	Mixed Upland Deciduous with Conifer	6	55	0	Clearcut	Regeneration	Aspen	
<u>Rev</u> <u>Cmnt:</u>	Mixed stand with a small clone of aspen on north edge. Should try to regenerate the aspen component.									
<u>Rev</u> <u>Spec</u>	Clear-cut the north half where there is an aspen clone and some old jack pine that burned beneath. Very small unit, but lump with other small shortwood stands. Not alot of wood, and can be forwarded out to main road.									
<u>Next</u> <u>Steps:</u>										
85	140085	19.8	Natural Mixed Pine	6	89	0	Other - Specify in Comments	Intermediate Cut	Natural Pine, Mixed Deciduous	
<u>Rev</u> <u>Cmnt:</u>	Mixed stand of wp, rp, jp, aspen, and pin oak. Opening with cherry in the center.									
<u>Rev</u> <u>Spec</u>	Spec cut aspen, pin oak, and jack pine. Mark rp and wp to cut.									
<u>Next</u> <u>Steps:</u>										

**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. 4
90	140090	16.5	Aspen	9	39	72	Clearcut with Reserves	Regeneration	Aspen

Rev Pockets of old aspen surrounded by 40 yr old aspen.
Cmnt:

Rev Regenerate to start another age class. Mark some reserve trees to leave.
Spec

Next
Steps:

91	140091	54.5	Red Oak	9	96	0	Crown Thinning	Intermediate Cut	Oak, Pine
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Rev Full stage 2 data on this stand. Mix of high quality northern red oak, red pine, white pine, and white oak.
Cmnt:

Rev Mark oak and pine to cut to 65 sq. favoring large crowned oak and pine seed producers and high quality stems. Spec cut aspen and red maple, but mark
Spec some quality red maple stems to leave. Protect white pine understory. Include part of the stand in the compartment to the east. Could be a prep contract.

Next This stand has the potential to be managed on an uneven-aged basis in the long-run
Steps:

94	140094	34.3	Aspen, Mixed Deciduous	6	38	0	Clearcut with Reserves	Regeneration	Aspen, Oak
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Rev Has several pockets of older aspen in it and occurs along the transition between bigtooth and quaking aspen. Treating this stand would help stagger the
Cmnt: aspen age classes in this area.

Rev Clear-cut and mark some reserve trees.
Spec

Next
Steps:

**Total Treatment
Acreage Proposed: 306.1**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
80	140080	27.9	Aspen	9	78	0	Clearcut with Reserves	Habitat Management	Aspen	

Limiting Factor 2G: Blocked by physical obstacle

and Comment: Upland island surrounded by wetland. Flowing water found through the best access from the southwest side.

Rev Upland island surrounded by wetland. Flowing water found through the best access from the southwest side.
Cmnt:

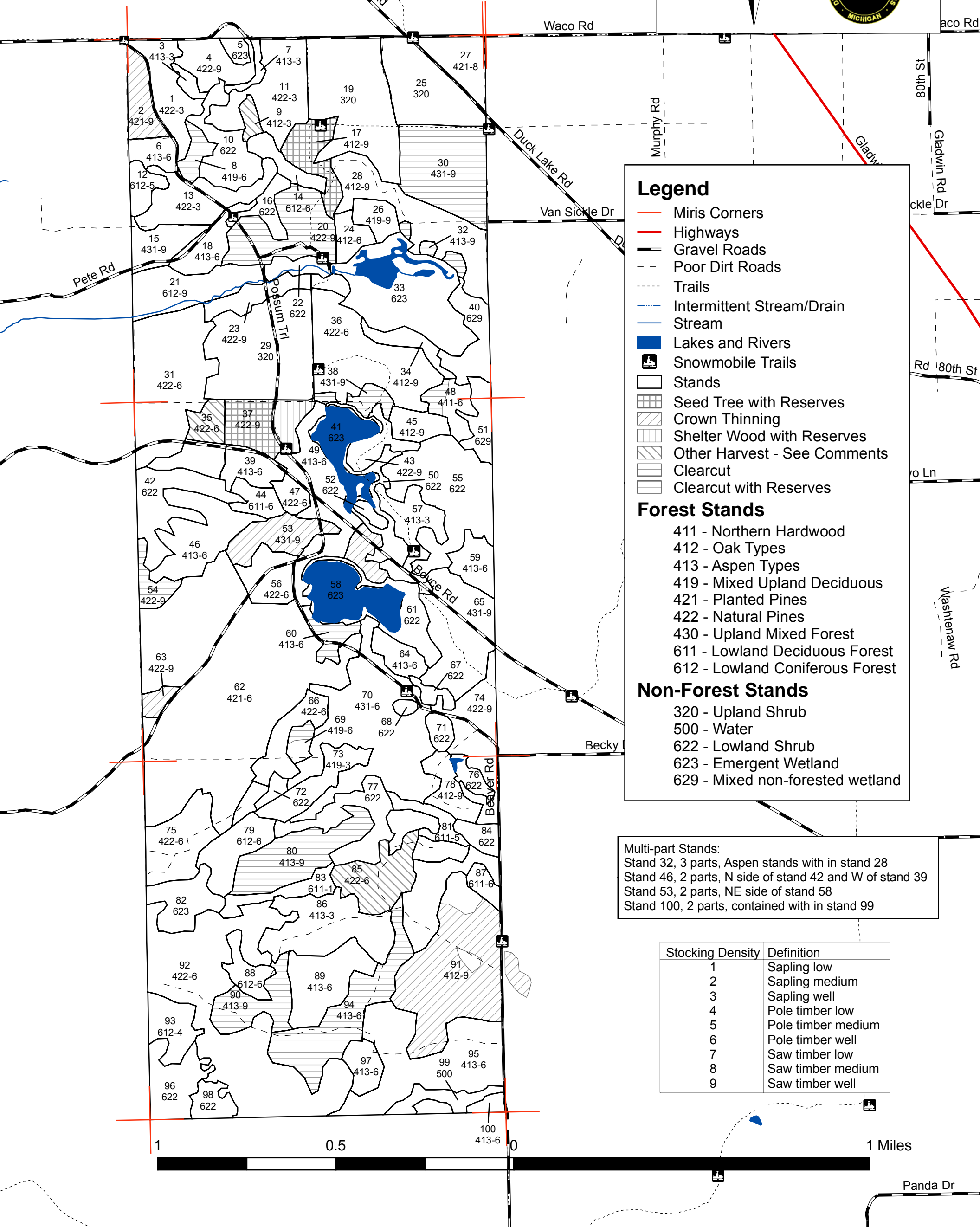
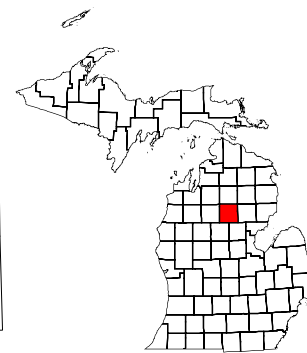
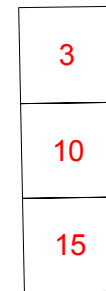
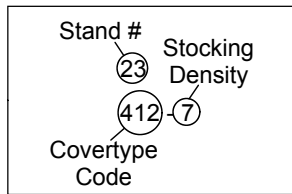
Rev Try to cut commercially with limit factor process. Getting a bridge may be the only way. May need to do as a habitat cut. Leave all oak.
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 27.9**

Compartment 140
 T21N, R3W, Sec. 3, 10, 15
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,933 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 10/30/2006
 Map Phase: Pre-review

Field Map



Legend

- Miris Corners
- Highways
- Gravel Roads
- Poor Dirt Roads
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trails
- Stands
- Seed Tree with Reserves
- Crown Thinning
- Shelter Wood with Reserves
- Other Harvest - See Comments
- Clearcut
- Clearcut with Reserves

Forest Stands

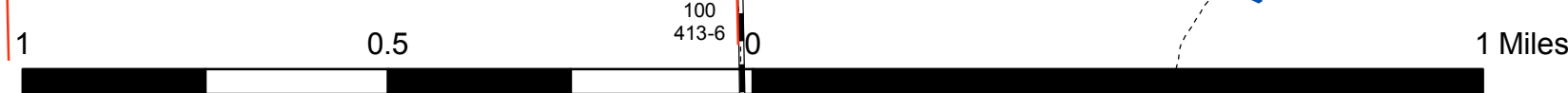
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland

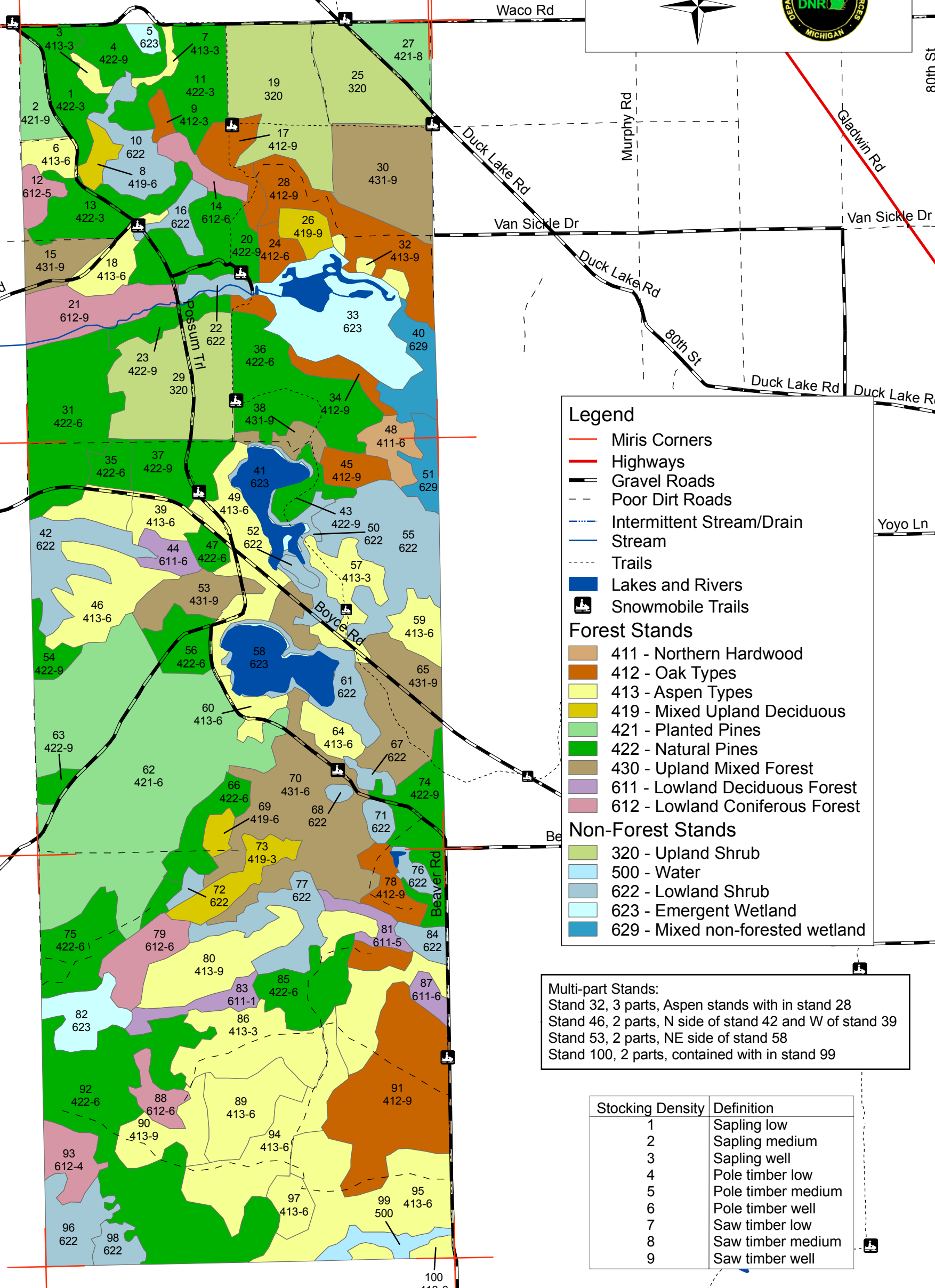
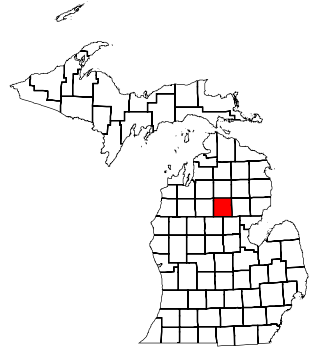
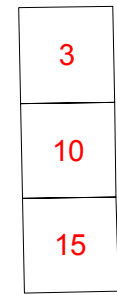
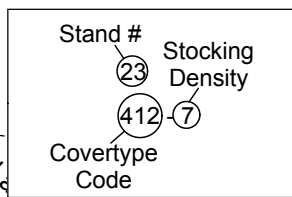
Multi-part Stands:
 Stand 32, 3 parts, Aspen stands with in stand 28
 Stand 46, 2 parts, N side of stand 42 and W of stand 39
 Stand 53, 2 parts, NE side of stand 58
 Stand 100, 2 parts, contained with in stand 99

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



Compartment 140
 T21N, R3W, Sec. 3, 10, 15
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 Acres: 1,933 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 10/30/2006
 Map Phase: Pre-review

Cover Type



Legend

- Miris Corners
- Highways
- Gravel Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Trails
- Snowmobile Trails

Forest Stands

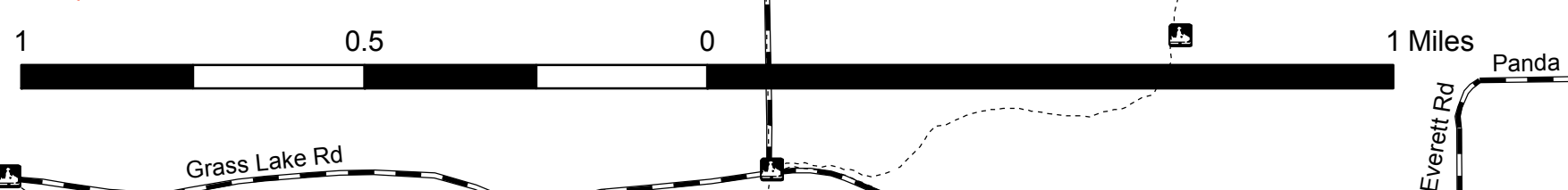
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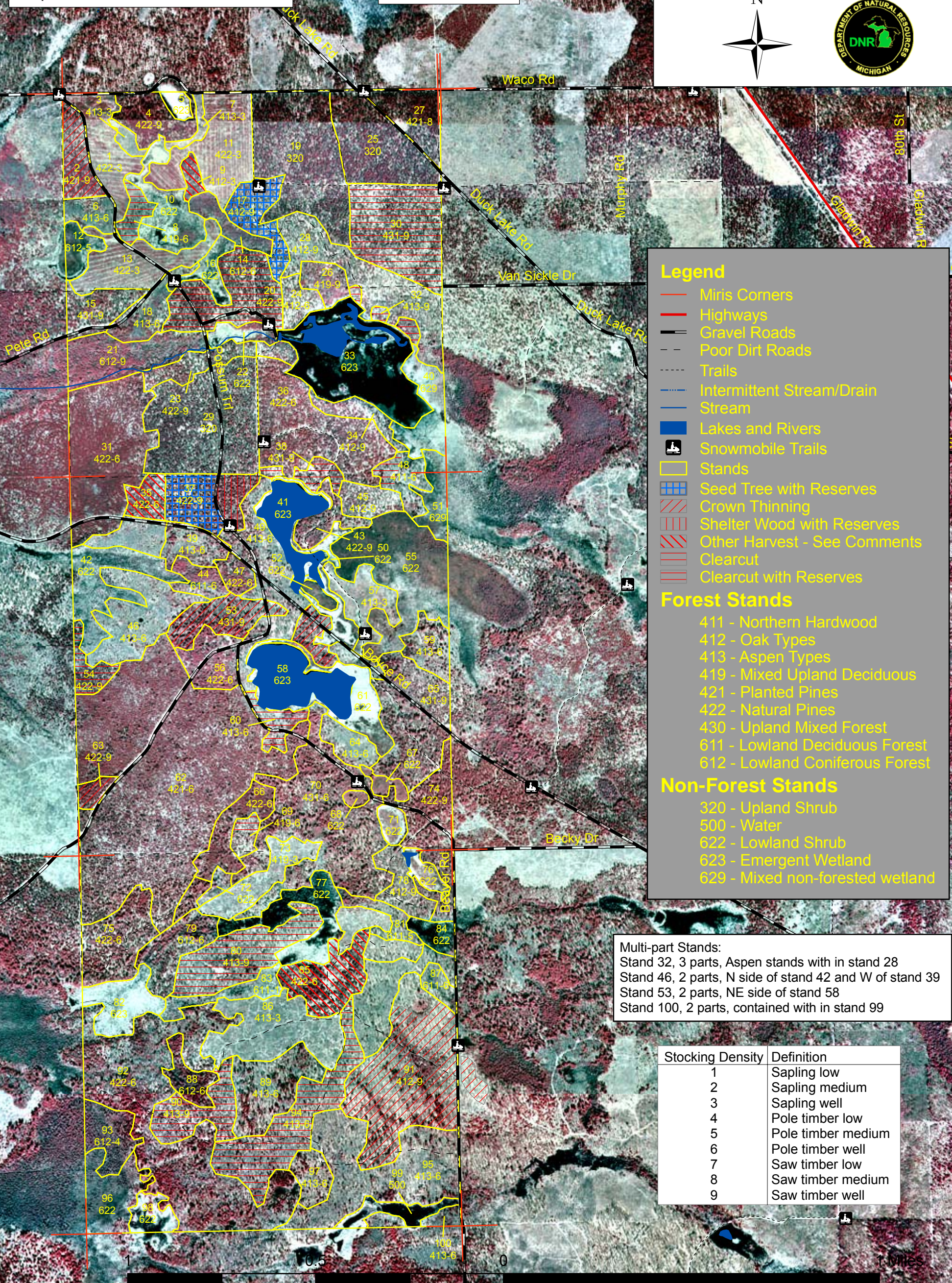


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Treatment

Stand # Stocking Density
 23 7
 412 7
 Covertypes
 Code

- 3
- 10
- 15



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