



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 16 ENTRY YEAR: 2011

Compartment Acreage:

County: Roscommon

Revision Date: 11-03-2008

Stand Examiner: J. Hartman

Legal Description: T24N R3W sections 2, 11, and 14

Management Goals: Reduce invasive species. There is phragmites along Federal highway on the northside of the compartment bordering stand 3. Degraded openings contain knapweed and St. Johns Wort. Thin overstocked stands and regenerate high risk stands.

Soil and Topography: Upland is Saugatuck Sand and Rubicon Sand. The lowland is Rifle and Greenwood Peat. The terrain is mostly flat with a few small hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment has numerous seasonal and permanent homes in the vicinity. There is a great deal of travel influence and visual considerations.

Unique, Natural Features: Rough fescue to northeast. Hill's thistle has been recorded to northeast and east. Alleghany plum records to north and east. Historical calypso orchid record to west from shore of Higgins Lake.

Archeological, Historical, and Cultural Features: Some old homestead foundations are located within this and the surrounding compartments.

Special Management Designations or Considerations: None designated at this time.

Watershed and Fisheries Considerations: Wetlands on the north side of the compartment drain to the AuSable watershed. Wetlands on the south side feed Higgins Lake and the Muskegon watershed.

Wildlife Habitat Considerations: "Backyard" wildlife including deer and turkey are abundant throughout the compartment.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. A gravel pit is located in Section 11 and potential appears to be good. East Norwich Field is located ten miles to the west. The field has produced over 5.9 million BO and 15.7 Bcf gas primarily from the Devonian Richfield Formation. It is in secondary recovery operations currently. None of the State lands in the Compartment are currently leased.

Vehicle Access: There is good access throughout the compartment utilizing various forest roads and county roads.

Survey Needs: None at this time

Recreational Facilities and Opportunities: Despite the heavy pressure and number of private residences in the vicinity grouse, woodcock, deer, squirrel, and turkey hunting opportunities are abundant in this compartment. A private cross country ski business operates a trail on state land under a land use permit.

Fire Protection: Some heavy wildland urban interface exists. Several nearby road ends at Higgins Lake provide good water points and the Gerrish Township Fire Department is very close by.

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**

Cover Type & Treatment Map

Compartment 16
 T24N, R03W, Sec. 2, 11, 14
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 906 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/25/2009
 Map Phase: Pre-Review

2
 11
 14

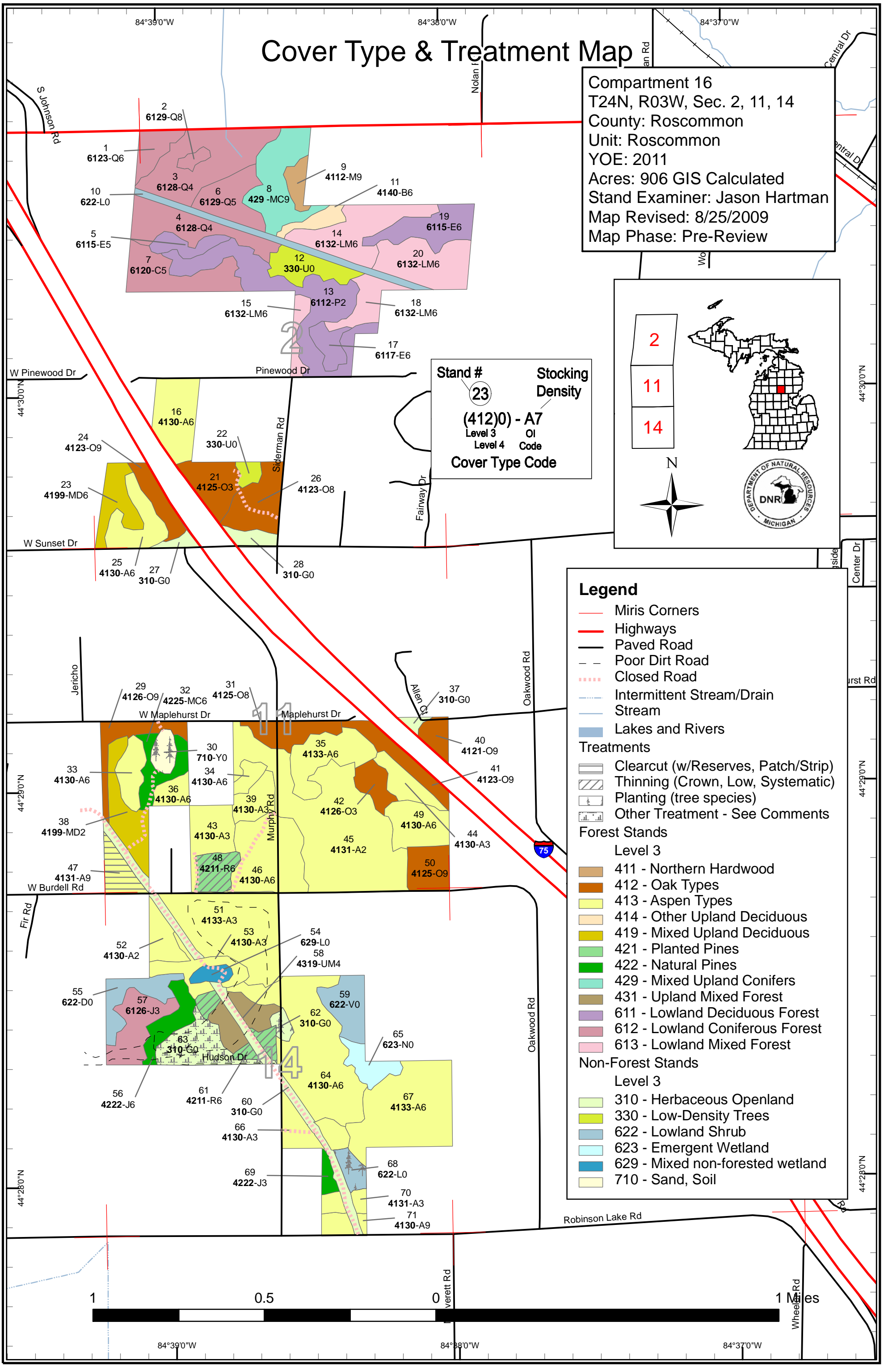
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Stand #
 23
(4120) - A7
 Level 3
 Level 4
Cover Type Code

Stocking Density
 OI
 Code

Legend

- Miris Corners
 - Highways
 - Paved Road
 - Poor Dirt Road
 - Closed Road
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
 - Thinning (Crown, Low, Systematic)
 - Planting (tree species)
 - Other Treatment - See Comments
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 414 - Other Upland Deciduous
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland
 - 710 - Sand, Soil



Stand Boundary Map

Compartment 16
 T24N, R03W, Sec. 2, 11, 14
 County: Roscommon
 Unit: Roscommon
 YOE: 2011
 Acres: 906 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 8/25/2009
 Map Phase: Pre-Review

Stand #
 23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

- Miris Corners
- Highways
- Paved Road
- - Poor Dirt Road
- Closed Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Interstate Highway
- Stand Boundaries

Forest Stands

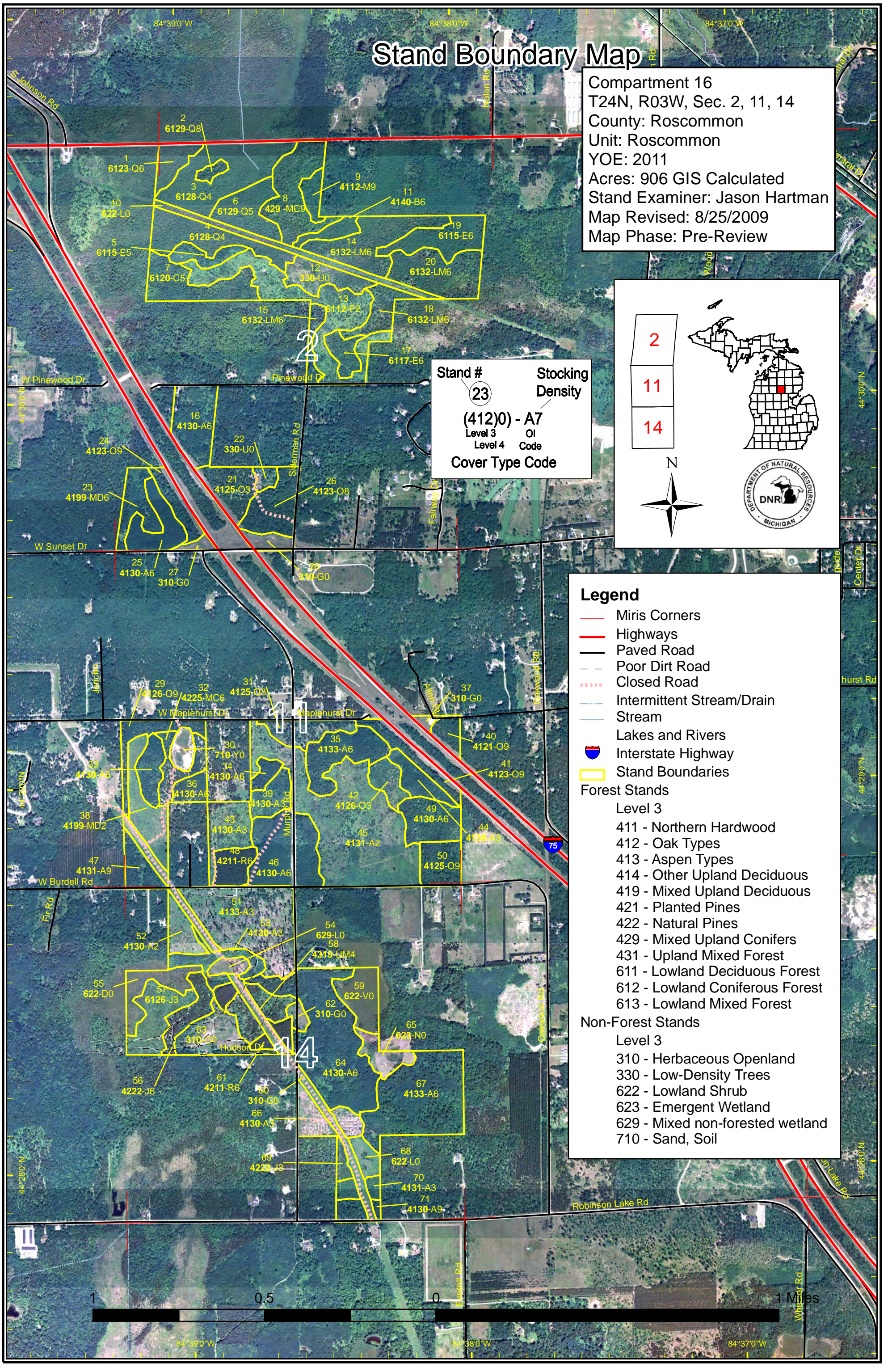
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
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Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
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- 710 - Sand, Soil



Covertypes, Acres, and Age summary (Level 3 Cover Type)

Roscommon Mgt. Unit

Compartment 016 Year of Entry 2011

Report Date: 08/25/2009



	Age Class															Total
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen Types	0	142	20	202	4	0	0	0	0	12	0	0	0	0	0	379
Emergent Wetland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Herbaceous Openland	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Low-Density Trees	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Coniferous Forest	0	0	15	0	0	0	0	0	0	0	91	0	0	0	0	106
Lowland Deciduous Forest	0	0	37	0	0	0	6	0	0	0	21	0	0	0	0	64
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	43	14	0	0	0	57
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Mixed non-forested wetland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Conifers	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	22
Mixed Upland Deciduous	0	14	0	11	0	0	0	0	0	0	0	0	0	0	0	25
Natural Pines	0	0	3	9	0	9	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Oak Types	0	0	7	13	0	0	0	0	0	68	0	0	0	0	0	87
Other Upland Deciduous	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Planted Pines	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Total	112	156	82	234	15	23	6	0	0	80	186	14	0	0	0	907

**PROPOSED TREATMENTS
NO LIMITING FACTORS**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
47 71016047-Cut	7.6	4131 - Aspen, Oak	High Density Log	86	Harvest	Clearcut with Reserves	Aspen, Oak

Rev
Cmnt: May dip into the compartment to the west on the nw edge, but not enough to need to map.

Rev
Spec: Mark large oak mast trees to leave and leave the trace of white pine that exists

Next
Steps:

48 71016048-Cut	7.9	42210 - Natural Red Pine	High Density Pole	44	Harvest	Low Thinning	Planted Red Pine, Mixed Deciduous
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Rev
Cmnt:

Rev
Spec: 2nd thin. Thin from below.

Next
Steps:

61 71016061-Cut	6.5	42110 - Planted Red Pine	High Density Pole	44	Harvest	Low Thinning	Planted Red Pine, Mixed Deciduous
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Rev
Cmnt: Multi-part polygons

Rev
Spec: 2nd thin. Thin from below. Avoid winter harvest due to cross country ski-trail

Next
Steps:

30 NF_71016030-Plant	4.8	42110 - Planted Red Pine		44	Tree Planting	Hand Plant	Planted Red Pine
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Rev
Cmnt: ORV issues. Submit RDR for erosion.

Rev
Spec: Block access and convert to forested stand. Also open to any suggestions from WLD division for managing for native grasses.

Next
Steps:

62 NF_71016062-Plant	2.6	Unspecified		0	Tree Planting	Hand Plant	Planted Red Pine
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Rev
Cmnt:

Rev
Spec: Small degraded opening along the road. Probably an old landing. Convert to forested in order to control knapweed.

Next
Steps:

68 NF_71016068-Plant	4.6	Unspecified		0	Tree Planting	Hand Plant	Planted Red Pine
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Rev
Cmnt: Has small clumps of jack pine and pin oak that will be present to create a mixed stand.

Rev
Spec: Still need to look at during growing season. Likely to have knapweed issues.

Next
Steps:

S
t
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Roscommon Mgt. Unit
Inventory Method: IFMAP

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

Compartment: 016

Entry Yr: 2011

Date 08/25/2009



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
63 NF_71016063-NonFor	15.2	Unspecified		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous

Rev
Cmnt:

Rev Consider planting warm season grasses. Might be able to collaborate with Cross Country Ski Headquarters on maintenance.
Spec:

Next
Steps:

**Total Treatment
Acreage Proposed: 49.1**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**



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Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
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Limiting Factor and Comment:

Rev Cmnt:

Rev Spec:

Next Steps:

No Treatment Reason

**Total Treatment
Acreage Proposed: 0**



PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

Stand	SCA Name	Acres	Comments



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	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.