



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 14

Entry Year 2015

Acreage: 3,783

County Chippewa

Management Area: Drummond Island

Revision Date: 07/09/2013

Stand Examiner: Jeffery Wise

Legal Description:

T41N-R6E, Sections 3-11, 15-22 & T42N-R6E, Sections 31, 32

Identified Planning Goals:

Primarily managed for timber and wildlife, this area has shallow, rocky soils that support upland hardwoods in the north, and a deer yard area with many aspen and cedar stands as the compartment extends south toward Lake Huron. Management this entry year will focus on creating diverse age classes of aspen stands by harvesting those that are most mature and enhancing roughed grouse populations. Northern hardwood stand with beech bark disease will be managed to control this pest. No cedar management is planned for this compartment.

Soil and topography:

The north and south-west portions of this compartment are Shelter-Posen Summerville soils with variable depth and drainage but have a tendency to shallow. It is a loamy soil on ground moraines and glacial lake benches. The middle and south-east areas are the Potagannissing-Rock Outcrops- Summerville association which are similar to the Shelter-Posen soils, however, include exposed limestone bedrock. Topography is generally rolling with lower, swampy ground to the south.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment is surrounded by private land but can easily be accessed from the north, west, or east. Compartment boundaries are surveyed well and consist of several blocks of State land that extend from South Shore Road, east to Meade Island Road, and south to Lake Huron. Private holdings in the area are mostly seasonal residents and vacant land with some permanent homes on the west and east sides. Very little Lake Huron shoreline is State land.

Unique Natural Features:

Drummond Island is known for many unique or rare plants and landforms. MNFI is referenced when planning management activities.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

Deer Yard, and special conservation area.

Watershed and Fisheries Considerations:

Poor. Fisheries Division surveyed several Drummond Island lakes in the early 1990s, and found none with "exciting" fish communities. A couple might have been worth spending some management effort, but they had very poor public access. Currently, all of those lake files reside in Gaylord, as they are part of the Northern Lake Huron watershed.

Wildlife Habitat Considerations:

This compartment is located in the Drummond Island Management Area. It consists of a mix of cover types ranging from aspen and northern hardwoods to mixed conifers and cedar. The cover type is influenced by shallow soils over limestone bedrock common throughout the island. The compartment provides important wintering habitat for white-tailed deer. The low conifer cover also provides good cover for snowshoe hare and other species. There are numerous lakes and ponds here including Pat's Lake, Miller Lake, and Beaver Dam Pond. The southern part of the compartment is close to the Lake Huron shoreline, and some stands border the shoreline. These waterbodies provide habitat for waterfowl, beaver, and other wetland wildlife.

Wildlife management objectives include retaining the lowland conifer cover used by deer and snowshoe hare, protecting wetland and shoreline habitat for waterfowl and other migratory birds and wetland wildlife, diversifying northern hardwood stands and maintaining habitat for hawks, and maintaining aspen habitat ruffed grouse and snowshoe hare. Lakes and wetlands will be buffered appropriately to maintain the aquatic and shoreline habitat. Adequate measures will be taken to

protect rare or unique features.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel, peat and muck and thin to discontinuous glacial deposits over bedrock. The glacial drift thickness varies between 10 and 100 feet. The Silurian Manistique and Engadine Groups subcrop below the glacial drift. The Engadine is quarried for stone/dolomite on the island to the west. Gravel pits are located in this area and there appears to be some potential. There is no economic oil and gas production in the UP.

Vehicle Access:

Fairly good access: from the west via South Shore Road and South Warner's Cove Road, From the North through a few dirt trails, and from the east via Meade Island road, which intersects with Canoe Bay Road and runs west to South Warner's Cove Road. Most of Canoe Bay Road requires four wheel drive to navigate through the mud holes and rocks.

Survey Needs:

Nothing needed for management this entry year.

Recreational Facilities and Opportunities:

Snowmobile trail 492 runs through the southern portion of the compartment on Canoe Bay and Meade Island Roads. Keep the trails clear of logging slash and debris. There is limited access to Lake Huron and several lakes within the compartment, with no public access sites. Dispersed recreation consisting of hunting and camping is the primary activity in this area. There are no legal ORV or ATV trails or routes in this compartment.

Fire Protection:

Fairly good access to most lakes for water sources and trails into private camps, residences, and State land.

Additional Compartment Information:

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Legend

- Miris Corners
- Remonumented Section Corners
- Survey Grade
- PLSS Corner
- Unclassified Corners
- Gate
- Unspecified Structures
- Cabin
- ORV Routes
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

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
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

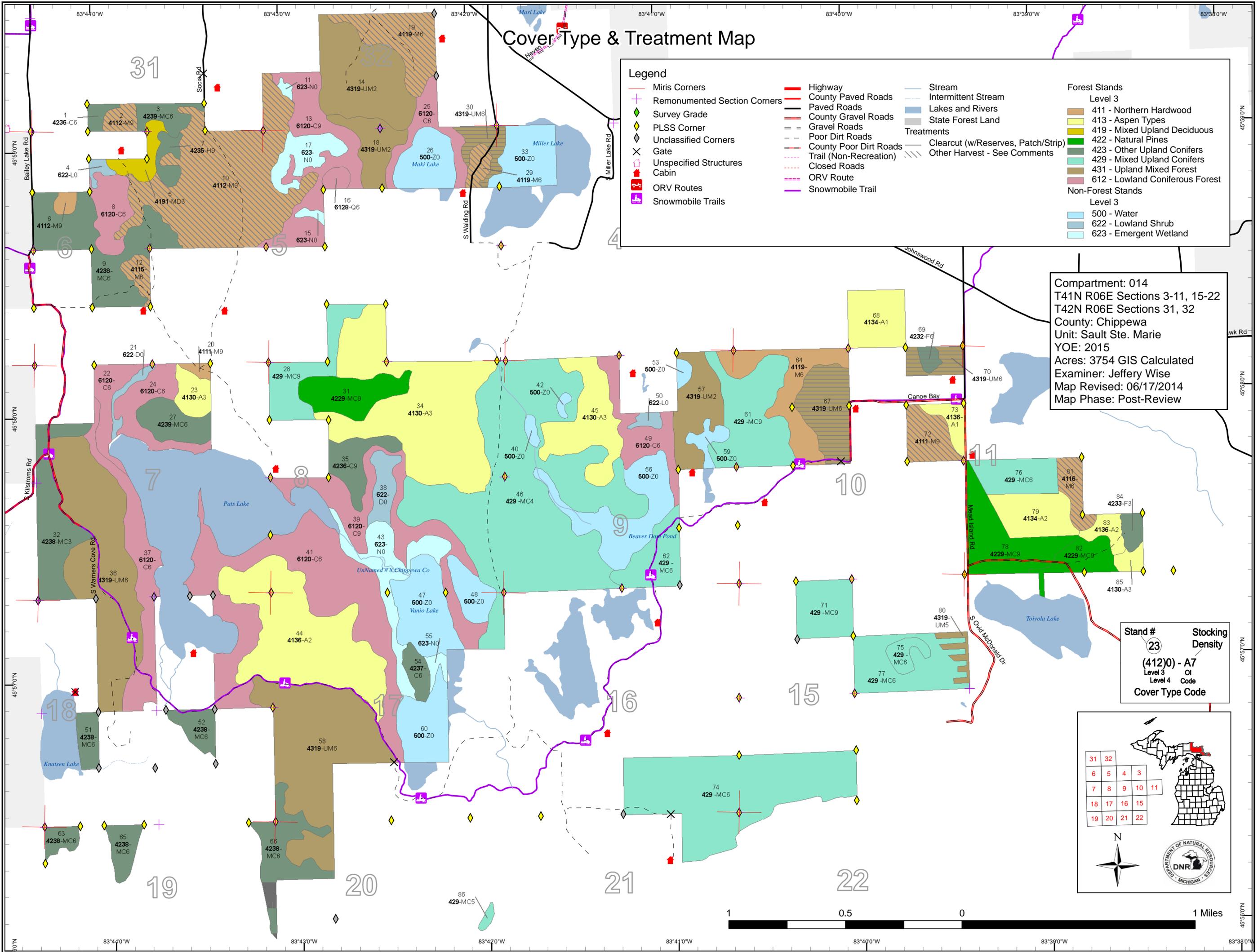
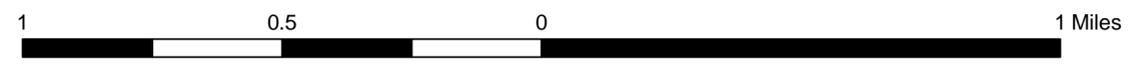
Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Other Harvest - See Comments

Compartment: 014
 T41N R06E Sections 3-11, 15-22
 T42N R06E Sections 31, 32
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2015
 Acres: 3754 GIS Calculated
 Examiner: Jeffery Wise
 Map Revised: 06/17/2014
 Map Phase: Post-Review

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3
 Level 4
Cover Type Code
 01

Map of Michigan with a grid overlay showing the location of the map area in the upper right quadrant. A north arrow and the Michigan Department of Natural Resources (DNR) logo are also present.



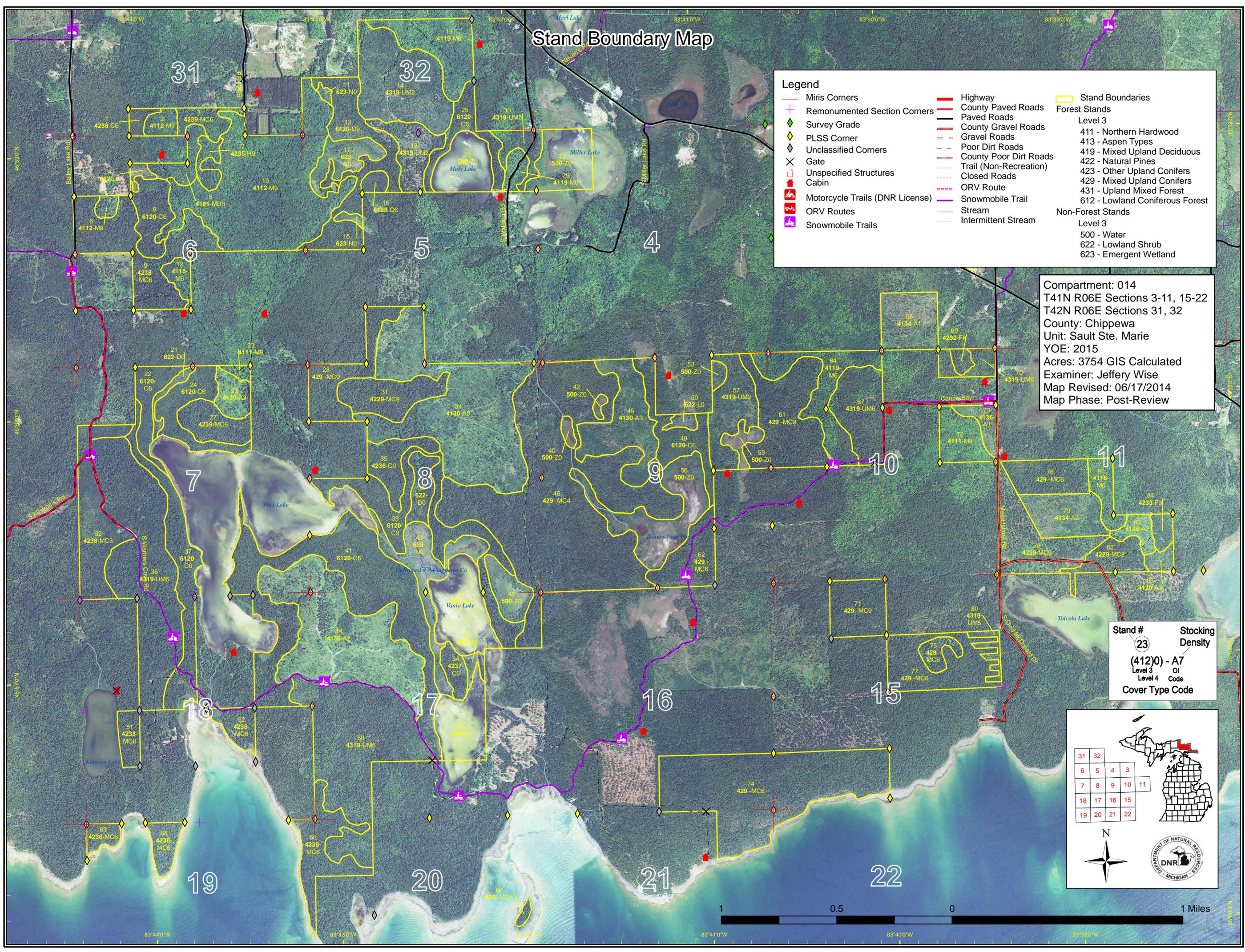
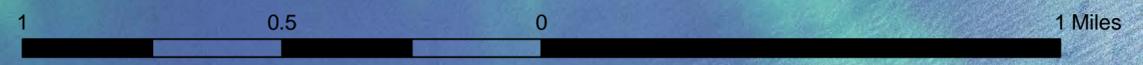
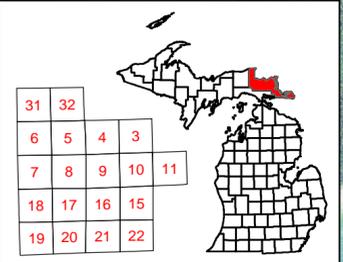
Stand Boundary Map

Legend

- Miris Corners
- Remonumented Section Corners
- Survey Grade
- PLSS Corner
- Unclassified Corners
- Gate
- Unspecified Structures
- Cabin
- Motorcycle Trails (DNR License)
- ORV Routes
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ORV Route
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- Intermittent Stream
- Stand Boundaries
- Forest Stands
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 - Level 3
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Compartment: 014
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 T42N R06E Sections 31, 32
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Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Special Conservation Areas & Site Conditions Map

Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Available
 - Available w/ Constraints (Factor - Number)
 - Unavailable (Factor - Number)
- Site Condition Type
 - Available Factors W/ Constraints
 - 5C: Delay treatment for age/size class diversity or exceptional site quality
 - Unavailable Factors
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Dedicated Special Conservation Areas
 - Ecological Reference Areas
 - Great Lakes Islands

Compartment: 014
 T41N R06E Sections 3-11, 15-22
 T42N R06E Sections 31, 32
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2015
 Acres: 3754 GIS Calculated
 Examiner: Jeffery Wise
 Map Revised: 06/17/2014
 Map Phase: Post-Review

Stand #	Stocking Density
23	
(412)0 - A7	
Level 3	01
Level 4	Code
Cover Type Code	

Stand # 23

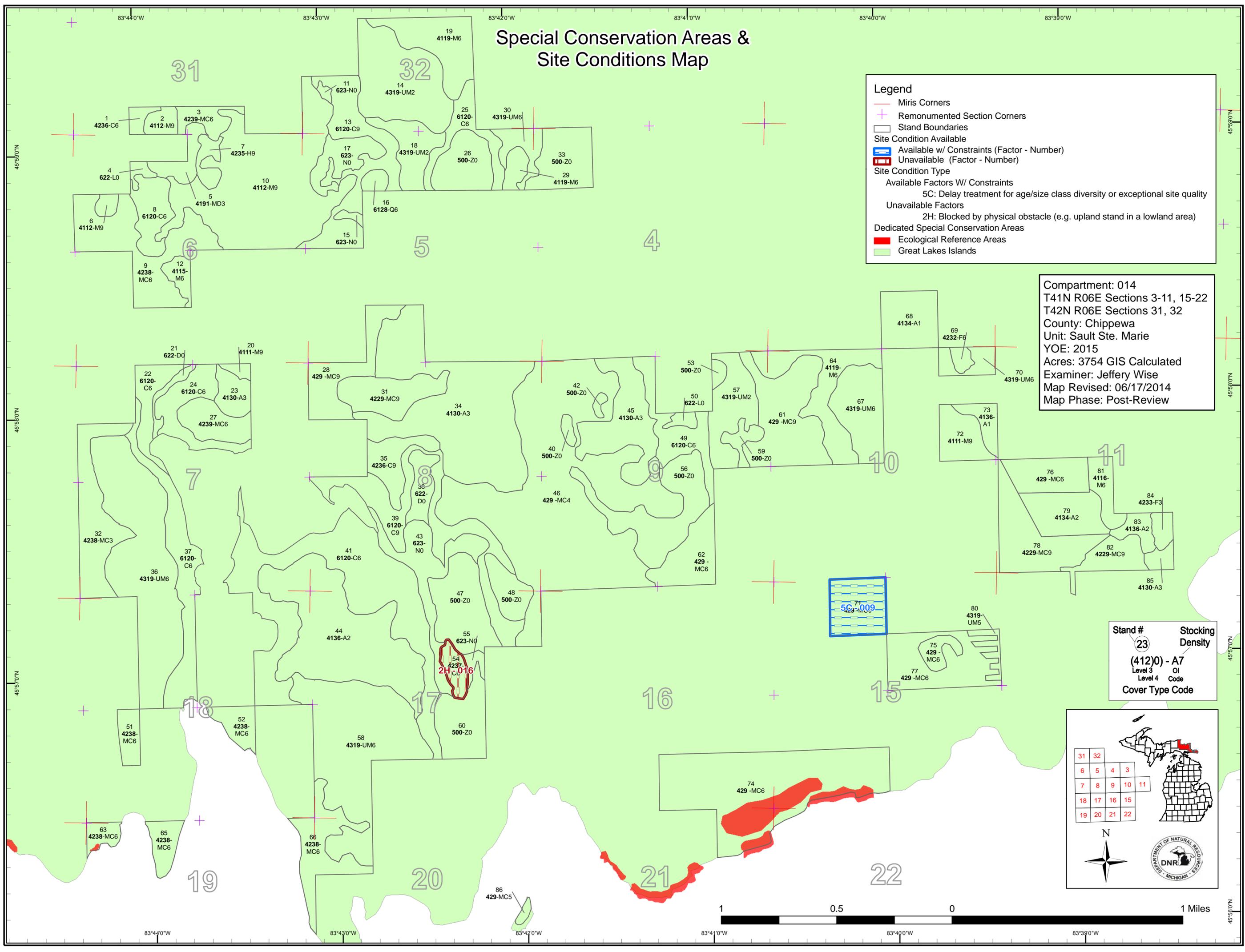
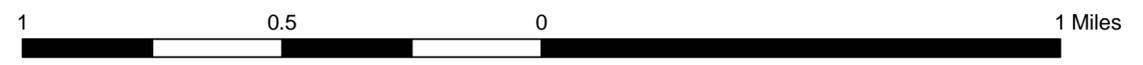
Stocking Density (412)0 - A7

Level 3 01

Level 4 Code

Cover Type Code

Department of Natural Resources
 DNR
 Michigan



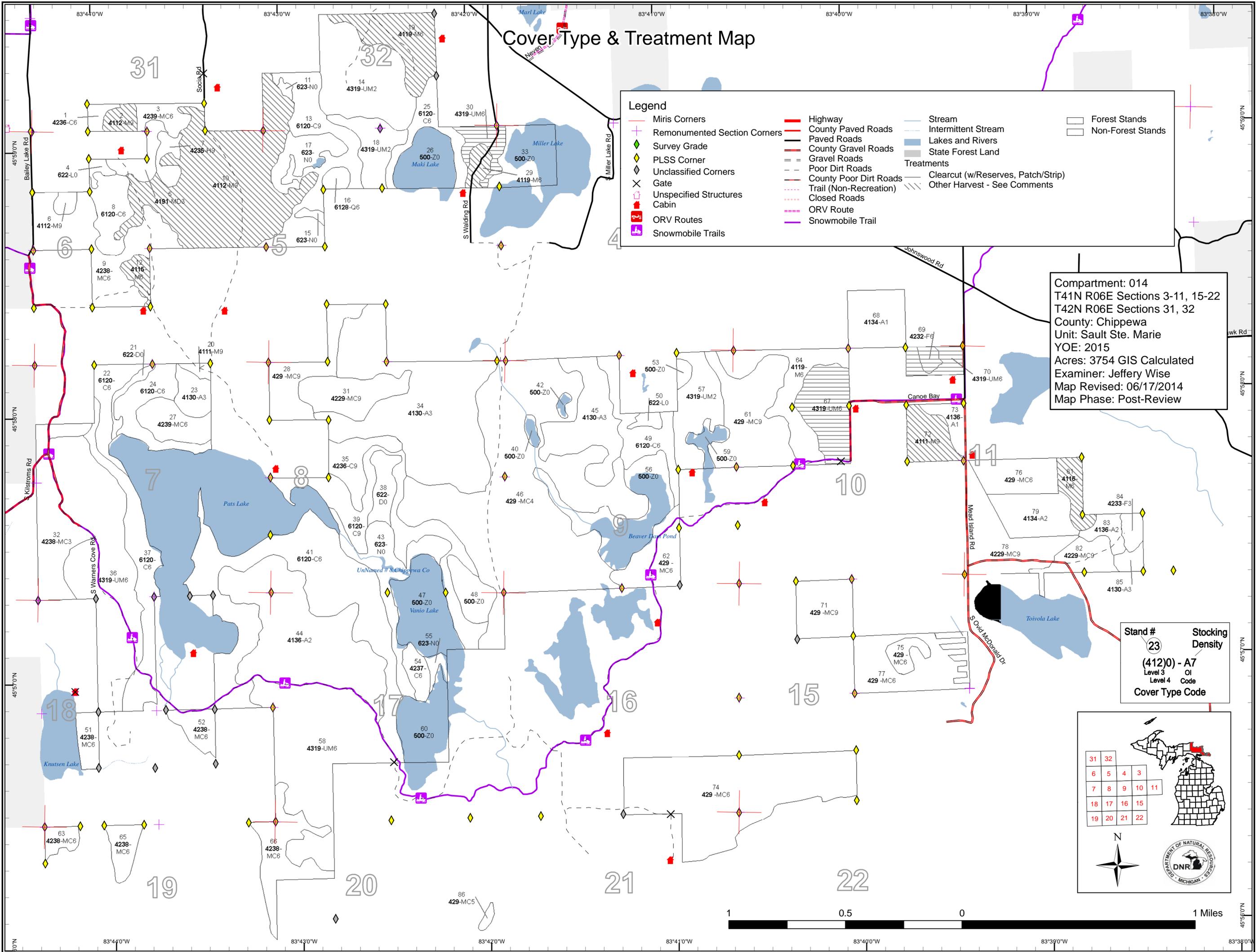
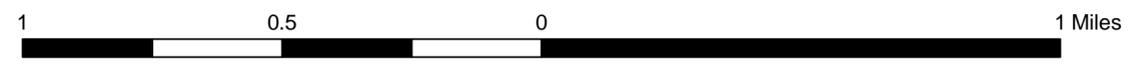
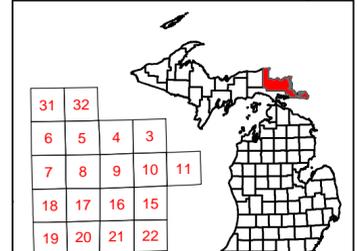
Cover Type & Treatment Map

Legend

- Miris Corners
- Remonumented Section Corners
- Survey Grade
- PLSS Corner
- Unclassified Corners
- Gate
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- Lakes and Rivers
- State Forest Land
- Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Other Harvest - See Comments
- Forest Stands
- Non-Forest Stands

Compartment: 014
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Stand # 23
 (4120) - A7
 Level 3
 Level 4
 Cover Type Code



Report 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneven Age
Aspen	235	287	7	0	0	0	0	0	0	0	0	0	0	0	529
Cedar	0	0	0	0	0	0	0	0	0	0	141	193	255	0	589
Hemlock	0	0	0	0	0	0	0	0	0	0	11	0	0	0	11
Lowland Conifers	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Lowland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Marsh	89	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Mixed Upland Deciduous	0	0	16	0	0	0	0	0	0	0	0	0	0	0	16
Natural Mixed Pines	0	0	0	0	0	0	0	0	100	0	24	0	0	0	125
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	326	54	0	0	380
Treed Bog	24	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Upland Conifers	0	0	0	61	0	0	0	33	0	181	662	0	206	0	1142
Upland Mixed Forest	31	0	141	155	0	17	0	0	0	0	174	49	0	0	567
Upland Spruce/Fir	0	0	8	5	0	0	0	0	0	0	0	0	0	0	14
Water	281	0	0	0	0	0	0	0	0	0	0	0	0	0	281
Total	670	287	173	221	0	17	6	33	100	181	1339	296	461	0	3783



Report 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2015

Compartment 014
Total Compartment Acres: 3,783

Acres by Treatment Type

Commercial Harvest - 402	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Northern Hardwood	0	0	0	0	0	317	317
Other Upland Conifers	5	0	0	0	0	0	5
Upland Mixed Forest	80	0	0	0	0	0	80
Total	85	0	0	0	0	317	402



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	45014002-Cut	9.8	4112 - Maple, Beech, Cherry Association	High Density Log	101	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest diseased beech only, leaving at least 2-3 leave trees/acre where present including including some large wolfy trees and any healthy trees to encourage age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species. Leave large beech in hemlock groves to become future seedlogs.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Check for BBD and regen according to work instructions, consider planting oak and/or disease-resistant beech in regen. gaps to replace the source of hard mast affected by BBD.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
10	45014010-Cut	193.4	4112 - Maple, Beech, Cherry Association	High Density Log	101	81-110	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest diseased beech only, leaving at least 2-3 leave trees/acre including including some large wolfy trees and any healthy trees to maintain 80 BA and encouraging age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species. Buffer wetland on east side by at least 75 feet and fell trees away from the buffer zone to maintain a wildlife corridor around the wetland. Leave large beech in hemlock groves to become future seedlogs.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Check for BBD and regen according to work instructions, consider planting oak and/or disease-resistant beech in regen. gaps to replace the source of hard mast affected by BBD.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
12	45014012-Cut	10.2	4115 - Y.Birch, Hemlock NH	High Density Pole	101	111-140	Harvest	Other - Specify in Comments	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest primarily diseased beech, leaving at least 2-3 leave trees/acre including some large wolfy trees and any healthy trees to maintain 80 BA and encouraging age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species. Harvest aspen, balsam fir, and white spruce as needed for operational movement-regeneration will provide food and cover to deer, ruffed grouse, and other species. Leave yellow birch. Winter cut so palatable browse is available for wintering deer.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Check for BBD and regen according to work instructions.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
19	45014019-Cut	49.0	4119 - Mixed Northern Hardwoods	High Density Pole	101	81-110	Harvest	Other - Specify in Comments	4119 - Mixed Northern Hardwoods	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest diseased beech only, leaving at least 2-3 leave trees/acre including including some large wolfy trees and any healthy trees to maintain 80 BA and encouraging age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Check for BBD and regen according to work instructions, consider planting oak and resistant beech in regen. gaps to replace the source of hard mast affected by BBD.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	45014029-Cut	9.8	4119 - Mixed Northern Hardwoods	High Density Pole	101	51-80	Harvest	Other - Specify in Comments	4119 - Mixed Northern Hardwoods	Fld. Tr. Bdy. - Incomplete

Prescription Harvest beech and ash leaving at least 2-3 beech /acre at least 3 ash/acre where present including some large wolfy trees and any healthy trees
Specs: to maintain 80 BA and encouraging age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species. Leave other species. Winter cut so palatable browse is available for wintering deer.

Other
Comments:

Next
Steps: Check for BBD, and regen according to work instructions.

Proposed
Start Date: 10/01/2014

30	45014030-Cut	17.2	4319 - Mixed Upland Forest	High Density Pole	51		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy. - Incomplete
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Prescription Harvest all species except cedar, hemlock, oak, pine, yellow birch, and maple to provide young forest growth for deer, grouse, and other wildlife.
Specs: Leave scattered mature aspen(~1/acre) for diversity. Winter cut so palatable browse is available for wintering deer.

Other
Comments:

Next
Steps: Check for regen according to work instructions, any species acceptable.

Proposed
Start Date: 10/01/2014

67	45014067-Cut	48.6	4319 - Mixed Upland Forest	High Density Pole	113		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy. - Incomplete
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Prescription Harvest all species except cedar, hemlock, oak, yellow birch, pine, and maple if any exist, winter cut because of deer yard. Leave conifer
Specs: pockets, and do not reach into them to harvest other species for deer and snowshoe hare. Leave some scattered mature aspen and white birch (~1/acre) where present for diversity for ruffed grouse and other species.

Other
Comments:

Next
Steps: Check for regen according to work instructions, any species acceptable.

Proposed
Start Date: 10/01/2014

69	45014069-Cut	5.4	42320 - Upland Spruce	High Density Pole	38		Harvest	Clearcut with Reserves	42320 - Upland Spruce	Fld. Tr. Bdy. - Incomplete
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Prescription Harvest all white spruce and balsam fir, no other species, winter cut so palatable browse is available for wintering deer.
Specs:

Other
Comments:

Next
Steps: Check for regen according to work instructions, any species acceptable.

Proposed
Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
70 45014070-Cut	14.0	4319 - Mixed Upland Forest	High Density Pole	101		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Fld. Tr. Bdy. - Incomplete

Prescription Harvest all species except cedar, hemlock, oak, yellow birch, maple, and pine, if any exist, winter cut so palatable browse is available for wintering deer.

Other
Comments:

Next
Steps: Check for regen according to work instructions, any species acceptable.

Proposed
Start Date: 10/01/2014

72 45014072-Cut	26.8	4111 - S.Maple, Hard Mast Association	High Density Log	101	111-140	Harvest	Other - Specify in Comments	4111 - S.Maple, Hard Mast Association	Fld. Tr. Bdy. - Incomplete
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Prescription Harvest diseased beech only, leaving at least 2-3 leave trees/acre including including some large wolfy trees and any healthy trees to maintain 80 BA and encouraging age class diversity while maintaining trees for cavity nesters and hard mast production for deer, bear, and other species. Winter cut so palatable browse is available for wintering deer.

Other
Comments:

Next
Steps: Check for BBD and regen according to work instruction, consider planting oak and/or disease-resistant beech in regen. gaps to replace the source of hard mast affected by BBD.

Proposed
Start Date: 10/01/2014

81 45014081-Cut	17.9	4116 - Mixed N. Hardwood - Aspen	High Density Pole	101	111-140	Harvest	Other - Specify in Comments	4116 - Mixed N. Hardwood - Aspen	Fld. Tr. Bdy. - Incomplete
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Prescription Harvest beech, mark 2-3 leave trees per acre looking for resistant trees, also harvest white birch, balsam fir and white spruce in the south half of stand. a few white birch could be marked as boundary trees to leave, winter cut so palatable browse is available for wintering deer. Leave some scattered white birch. Leave any oak, yellow birch, cedar, and hemlock in the stand.

Other
Comments:

Next
Steps: Check for BBD and regen according to work instructions.

Proposed
Start Date: 10/01/2014

Total Treatment
Acreage Proposed: 402.1



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C	2H
	Available	Not Available				
529	529		Aspen	529		
589	577	12	Cedar	577		12
11	11		Hemlock	11		
6	6		Lowland Conifers	6		
16	16		Mixed Upland Deciduous	16		
125	125		Natural Mixed Pines	125		
380	380		Northern Hardwood	380		
1116	1116		Upland Conifers	1,078	38	
566	566		Upland Mixed Forest	566		
14	14		Upland Spruce/Fir	14		
3,352	3,340	12	Total Forested Acres	3,302	38	12
	100%	0%	Relative Percent			

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	2B: Unknown if access through adjacent landowner(s) is possible	3H: Deer Wintering Areas		
Comments:							
016	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12				
Comments: swamp island							



Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42360 - Upland Cedar	High Density Pole	6.3	101		Very similar to stand 7, low swamp.
2	4112 - Maple, Beech, Cherry Association	High Density Log	9.8	101	81-110	Mostly all beech, BBD is bad.
3	42390 - Mixed Non- Pine Upland Conifers	High Density Pole	15.7	163		Large cedar, age seems high but appropriate. Other species look younger and age is estimated.
5	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	16.1	21		Two aged, looks like it was cut many years ago, but no record.
6	4112 - Maple, Beech, Cherry Association	High Density Log	5.4	101	51-80	Recently select cut, BBD in stand, regen heavy to beech, very nice oak.
7	42350 - Upland Hemlock	High Density Log	11.0	101	81-110	Concentration of mature hemlock
8	6120 - Lowland Cedar	High Density Pole	29.3	101		Low and wet drainage system runs rthe entire length.
9	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	84.0	101		Deer yard area, aspen large and in charge but too much cedar for a cut, stand is terraced upward to the east, drainage system in stand 7 continues in the south part of 8, tamamrack is along the southern boundary, still mostly upland.
10	4112 - Maple, Beech, Cherry Association	High Density Log	193.4	101	81-110	Open, "park-like", with not much regen, beautiful big, old beech.
12	4115 - Y.Birch, Hemlock NH	High Density Pole	10.2	101	111-140	Unique stand in that there is a good amount of yellow birch of descent quality, aspen is ginormous, may be a cabin on state in SE corner.
13	6120 - Lowland Cedar	High Density Log	69.6	113		A river runs though it, huge aspen.
14	4319 - Mixed Upland Forest	Medium Density	88.4	23		Sparse areas on flat rock in the southern part, cedar is regenerating here.
16	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	6.1	66		No access and no visible area from other stands, leaf off imagery shows it may be tamarack, or it just dead conifer from beaver flooding?
86	429 - Mixed Upland Conifers	Medium Density Pole	28.5	101		Island in Canoe Bay
18	4319 - Mixed Upland Forest	Medium Density	31.2	2		Cut in 2011, cedar reserved, deer yard, also the old Maki homestead is on the eastern edge of cut in stand 39.
19	4119 - Mixed Northern Hardwoods	High Density Pole	49.0	101	81-110	BBD in stand, aspen, spruce, fir concentrated in NE corner, new cabin close to line on east side.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4111 - S.Maple, Hard Mast Association	High Density Log	4.0	101	81-110	Deer browse on maple regen, deer yard.
22	6120 - Lowland Cedar	High Density Pole	24.5	116		Typical low cedar swamp, almost like 36 but more tamarack
23	4130 - Aspen	High Density Sapling	16.9	3		Cut in 2010, deer yard.
24	6120 - Lowland Cedar	High Density Pole	34.9	116		Low but not swampy, deer yard.
25	6120 - Lowland Cedar	High Density Pole	26.6	112		surrounds Maki Lake, deer yard.
27	42390 - Mixed Non- Pine Upland Conifers	High Density Pole	27.6	123		Deer yard, stand is higher than 25, sits on a flatrock bench.
28	429 - Mixed Upland Conifers	High Density Log	42.3	100		OI comments say lots of "people" activity and it was correct, blinds and ORV trails, deer yard.
29	4119 - Mixed Northern Hardwoods	High Density Pole	9.8	101	51-80	Very poor quality from a management perspective, excellent for wildlife, lots of snags, no deer browsing, all regen is 2 inch dbh and showing in the sparse mature canopy because of the dead beech.
30	4319 - Mixed Upland Forest	High Density Pole	17.2	51		Some deer here in winter, not much cedar for cover though.
31	42290 - Natural Mixed Pine	High Density Log	40.5	88	111-140	Nice white and red pine with cedar, deer yard
32	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Sapling	60.7	38		Almost pole size but not quite, regen full and thick!
34	4130 - Aspen	High Density Sapling	186.4	14		Alvar looking, flat rock, etc., regen very nice, OI comments say oak and beech left but none seen, a grove of sugar maple left in the west part.
35	42360 - Upland Cedar	High Density Log	27.0	101		Almost like stand 38 but more aspen and pine and more upland.
36	4319 - Mixed Upland Forest	High Density Pole	160.1	105		This stand is a real mix of aspen and cedar, deer are wintering here, some of the aspen ridges have been cut many years ago but there is no distinct stands types, contains some lowland areas.
37	6120 - Lowland Cedar	High Density Pole	62.6	123		Long, narrow stand bordering on the west side of Pat's Lake, deer yard.
39	6120 - Lowland Cedar	High Density Log	78.7	101		Narrow, winding, lowland cedar stand bordering marshes and lakes in the center of the comp.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6120 - Lowland Cedar	High Density Pole	179.6	123		Borders Pat's Lake
44	4136 - Aspen, Mixed Conifer	Medium Density	153.9	4		Cut in 2009, aspen regen good, deer yard.
45	4130 - Aspen	High Density Sapling	61.9	14		OI comments say beech and oak left but none seen.
46	429 - Mixed Upland Conifers	Low Density Pole	339.8	106	1-50	Alvar looking, a lot of flat rock in the north half, more cedar groves in the south half, but not really good deer yard, ground cover Juniper not in subcanopy species, good red pine, BA varies with all the scrubby spruce and balsam.
49	6120 - Lowland Cedar	High Density Pole	37.9	113		Drainage system, very wet, deer yard.
51	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	14.0	121		Land locked, isolated stand bordering Knutsen Lake, surrounded by private.
52	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	17.0	141		Borders Lake Huron, lots of public use, camping, illegal orv trail along west side near the shore, the camping area is a grassy area with several campsites and seems to be an old camp or homestead, cellar found but nothing else,
54	42370 - Upland Cedar, Aspen	High Density Pole	12.3	163		Island between Vanio Lake and Canoe Lake, no access and no visual.
57	4319 - Mixed Upland Forest	Medium Density	44.6	21		Regenerating nicely, some mature aspen was left.
58	4319 - Mixed Upland Forest	High Density Pole	154.6	31		OI had this stand scheduled, however, it seems to be two aged, with merchantable species at around 30-40 years old,
61	429 - Mixed Upland Conifers	High Density Log	80.0	103	81-110	Rock ledges, aspen and some cedar has been cut in the past, spruce, balsam, and balm regen under full red and white pine, and cedar, basal areas are higher in the cedar groves.
62	429 - Mixed Upland Conifers	High Density Pole	37.5	107	51-80	OI comments suggest this may be Alvar and it looks like it, shallow, bare rock, pine is still pole size.
63	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	10.1	121		Land locked, isolated stand bordering Lake Huron, surrounded by private.
64	4119 - Mixed Northern Hardwoods	High Density Pole	53.6	112	51-80	Cut in 2000, a mix of maple and white pine in the south half.
65	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	16.1	121		Land locked, isolated stand bordering Lake Huron, surrounded by private.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	46.5	141		Borders Lake Huron, illegal orv trail connects from stand 52 but is actually an old road, deer yard.
67	4319 - Mixed Upland Forest	High Density Pole	48.6	113		Holding some deer in winter but not good cover except in thicker cedar, which occurs in a few groves, south half is a new aquisition since last inventory.
68	4134 - Aspen, Spruce/Fir	Low Density Sapling	39.3	4		Cut in 2009, cedar reserved, rock ledges.
69	42320 - Upland Spruce	High Density Pole	5.4	38		Old field of a tax reverted farm site now filling in, some deer use in winter, mostly trails through it, no holding cover except small patch of cedar on north edge.
70	4319 - Mixed Upland Forest	High Density Pole	14.0	101		Old tax reverted farm site, OI comments say historical and archeological site, but only an old shed and old concrete slabs where cabin was demolished.
71	429 - Mixed Upland Conifers	High Density Log	38.4	101	111-140	Landlocked 40 with no access, A real head scratcher, cedar is not uniform and there is a fair amount of white and red pine that should be managed, deer are using it though.
72	4111 - S.Maple, Hard Mast Association	High Density Log	26.8	101	111-140	BBD is severe in this stand, stand also contains a patch of aspen/conifer mix in the NW and a rocky balsam patch in the south.
73	4136 - Aspen, Mixed Conifer	Low Density Sapling	13.2	6		Cut in 2007, northeast corner is actually lowland with cedar and balm.
74	429 - Mixed Upland Conifers	High Density Pole	180.9	96		Large isolated stand, no access, borders Lake Huron, rocky in places, large mature red and white, cedar is not consistant, some private land to the north has been cut to pieces.
75	429 - Mixed Upland Conifers	High Density Pole	11.0	101		Part of Stand 77, landlocked , more upland with very little cedar, OI says 152 years old but its the same as 77.
76	429 - Mixed Upland Conifers	High Density Pole	33.1	71	81-110	Thick with balsam sap/pole understory, east side has the oak and maple.
77	429 - Mixed Upland Conifers	High Density Pole	58.8	153		Landlocked 80 with no access, cut stripes stand 79 borders east side, cedar is not uniform but is more dominant on the west end, east end has more pine and other species, same as stand 70.
78	42290 - Natural Mixed Pine	High Density Log	59.7	88	1-50	Cut in 2007, aspen regen good.
79	4134 - Aspen, Spruce/Fir	Medium Density	38.2	16		Regen full, nice to see white and red pine regen mix.
80	4319 - Mixed Upland Forest	Medium Density Pole	7.9	25		Cut strips from 1988 combined into one stand, cedar regen up to three feet tall but not a lot, also has red and white pine regen, overall looks good.

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Sault Ste. Marie Mgt. Unit

Report 8 – Forested Stands

Compartment: 014
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
81	4116 - Mixed N. Hardwood - Aspen	High Density Pole	17.9	101	111-140	BBD present in stand, beech is in the north half, south half has the birch and aspen, most of the birch has died.
82	42290 - Natural Mixed Pine	High Density Log	24.5	105		This stand is the same as stand 78 before harvesting, This stand was not cut so leave as a good representation of maturing stand, A scattered cedar here and there. Included an age for aspen.
83	4136 - Aspen, Mixed Conifer	Medium Density	11.9	6		Same harvest as stand 78, but with very little pine.
84	42330 - Upland Fir	High Density Sapling	8.5	26		Thick with balsam regen, was cut with stand 84. Pine and cedar are residual but pine is also regenerating.
85	4130 - Aspen	High Density Sapling	7.3	26		Was same cut as stand 83 but more aspen, less softwood.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6223 - Inundated Shrub Swamp	4.6	Unspecified	Unspecified	
11	6239 - Mixed Emergent Wetland	2.2	Unspecified	Unspecified	
15	6239 - Mixed Emergent Wetland	2.8	Unspecified	Unspecified	
17	6239 - Mixed Emergent Wetland	28.5	Unspecified	Unspecified	
21	6224 - Treed Bog	6.3	Unspecified	Unspecified	
26	50 - Water	35.5	Unspecified	Unspecified	
33	50 - Water	41.0	Unspecified	Unspecified	Miller Lake
38	6224 - Treed Bog	18.0	Unspecified	Unspecified	
40	50 - Water	4.0	Unspecified	Unspecified	
42	50 - Water	2.7	Unspecified	Unspecified	
43	6239 - Mixed Emergent Wetland	50.4	Unspecified	Unspecified	
47	50 - Water	55.5	Unspecified	Unspecified	
48	50 - Water	21.5	Unspecified	Unspecified	
50	6229 - Mixed lowland shrub	4.7	Unspecified	Unspecified	
53	50 - Water	4.2	Unspecified	Unspecified	
55	6239 - Mixed Emergent Wetland	5.3	Unspecified	Unspecified	
56	50 - Water	66.1	Unspecified	Unspecified	
59	50 - Water	9.7	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
60	50 - Water	41.3	Unspecified	Unspecified	