



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 55

Entry Year 2015

Acreage: 2,897

County Chippewa

Management Area: Munuscong Bay

Revision Date: 06/27/2013

Stand Examiner: Jason Caron

Legal Description:

T44N-R1E, Sections 1,2 & 11-14. T44N-R2E, Sections 4-7

Identified Planning Goals:

Management within this compartment is primarily for timber and wildlife. No treatments have been prescribed for this entry year however there is a 184 acre timber sale that was sold in July of 2012 which includes stands of lowland aspen and black spruce. Numerous lowland hardwood stands along the Munuscong Bay have been out on factor limit due to access, poor ground conditions, wildlife concerns and visual management goals. Large marshes encompass the interior portion of the compartment with varying degrees of tree cover.

Soil and topography:

The west part of the compartment is within the Fibre-Allendale-Pickford association. It is poorly drained, deep, mucky, sand and loam on glacial river flood plains. The east part is within the Ermatinger-Wega-Burleigh association. It is poorly drained and deep, sand and loam, on glacial river flood plains. Topography is flat with much of it wetland and lowland forest cover types.

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

For the most part, this compartment is a contiguous block of state ownership. There are a few private parcels within the west and southwest edge of this compartment. Only one private 40 acre parcel exists within the compartment, that is within section 6.

Unique Natural Features:

The compartment provides a very scenic view of Munuscong Bay. Large cavity trees exist within the lowland stands along the shoreline and well interior.

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:

Continue to factor limit those stands which are along the Munuscong Bay and Little Munuscong river due to wildlife and BMP concerns.

Watershed and Fisheries Considerations:

This compartment is in the St. Marys River watershed, including part of the Little Munuscong River watershed. Prescribed treatments are appropriate for protection of this waterbody.

Wildlife Habitat Considerations:

This compartment is located north of the Munuscong River in the Munuscong Wildlife Management Area, which is part of the Munuscong Bay Management Area. The coastal portion of this compartment contains Great Lakes marsh important to various waterfowl including mallards, teal, and wood ducks as well as other wetland wildlife species like the American bittern and rare species like the marsh wren. Forested areas are primarily lowland and contain a mix of species including aspen and poplar, ash, maple, birch, tamarack, spruce, and balsam fir. Alder is common in the understory. Near-shore stands are used by raptors like eagles and osprey. Deer travel through this area heading to and from wintering complex nearby.

Wildlife objectives include maintaining the coastal habitats, protecting rare species, providing some early successional growth, and improving access to the coastal marsh for hunting and wildlife viewing. Forest stands near the coastal marsh will be left to support raptors and cavity nesting species. Some openings maintenance activities may take place along the coast where shrubby growth is becoming established in formerly open marsh areas due, in part, to low water levels. Burns have been prescribed here in the past, but alternative methods may need to be explored since it has not been feasible to

conduct burns in recent years. Aspen and poplar stands on the west side of the compartment will be regenerated to provide habitat for ruffed grouse, American woodcock, deer, and other species favoring early successional growth. Previously prescribed stands will provide additional habitat for woodcock, snowshoe hare, and numerous small migratory birds. Limited improvements to unimproved portions of Allard Road, part of which is a county road, would allow the public closer access for walk-in hunting and wildlife viewing opportunities.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) clay, silt, sand and gravel. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Trenton Group subcrops below the glacial drift. The Trenton is quarried for stone/dolomite elsewhere in the UP. The nearest sand or gravel pit is located west of the compartment and potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access:

Fair access exists to most of the north-east area of the compartment from Allard road. Access is non-existent within the interior. Riverside drive on the west side of the compartment provides access to a single 40 acre piece of state land.

Survey Needs:

No survey needed at this time.

Recreational Facilities and Opportunities:

There are no recreational trails or facilities in this compartment. Hunting is most likely the main use with waterfowl, deer, ruffed grouse and snowshoe hare being the species of choice.

Fire Protection:

Fire protection within this compartment would be difficult at best due to wet ground and limited access.

Additional Compartment Information:

The following reports from the Inventory are attached:

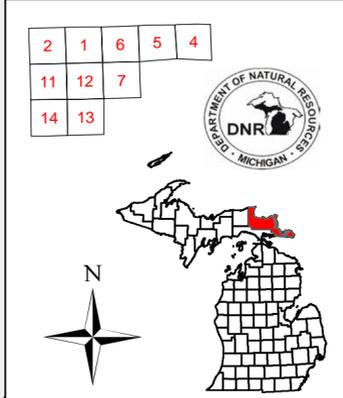
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

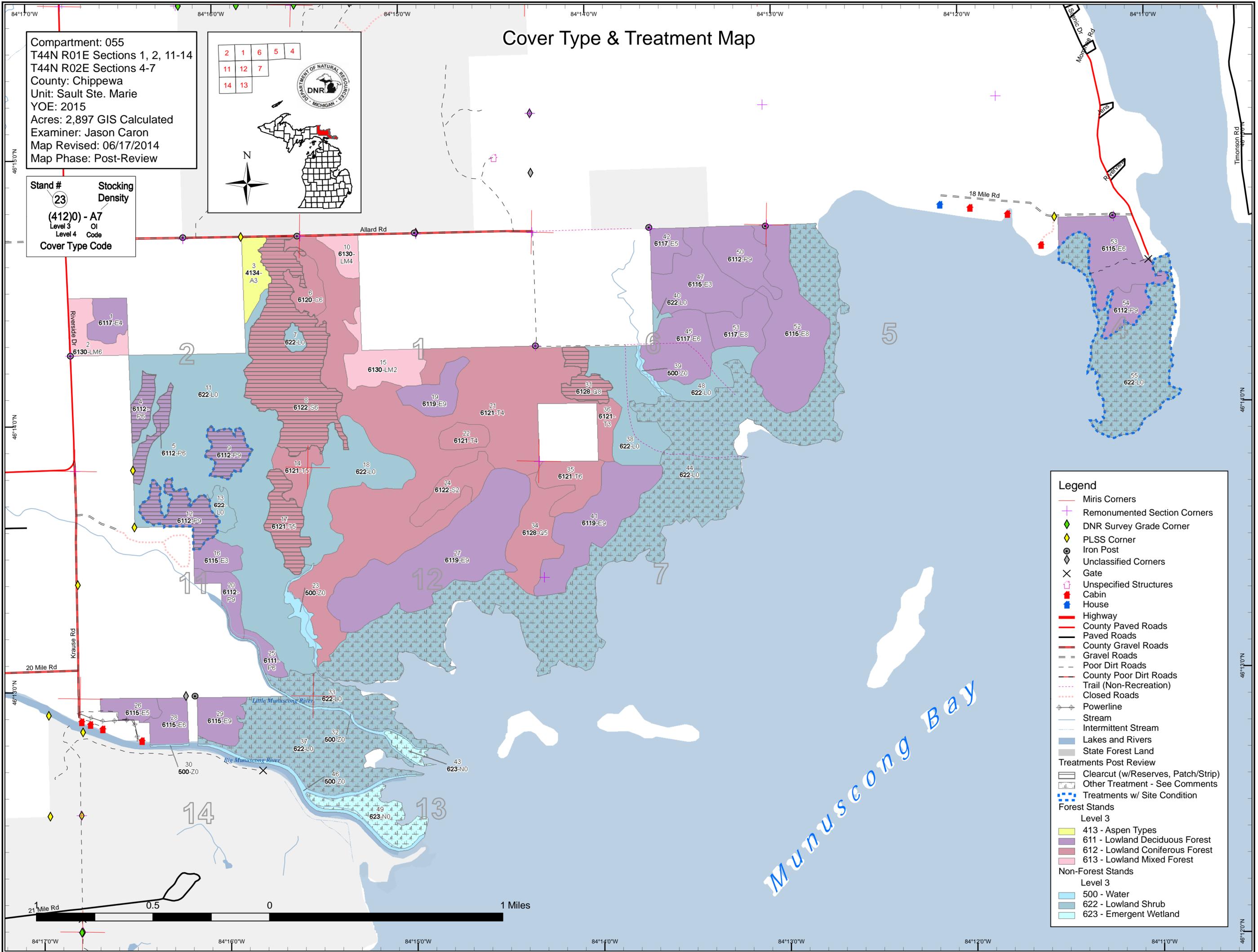
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 055
 T44N R01E Sections 1, 2, 11-14
 T44N R02E Sections 4-7
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2015
 Acres: 2,897 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 06/17/2014
 Map Phase: Post-Review



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



Legend

- Miris Corners
- Remonumented Section Corners
- DNR Survey Grade Corner
- PLSS Corner
- Iron Post
- Unclassified Corners
- Gate
- Unspecified Structures
- Cabin
- House
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Powerline
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land
- Treatments Post Review
- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments
- Treatments w/ Site Condition
- Forest Stands
- Level 3
- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands
- Level 3
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



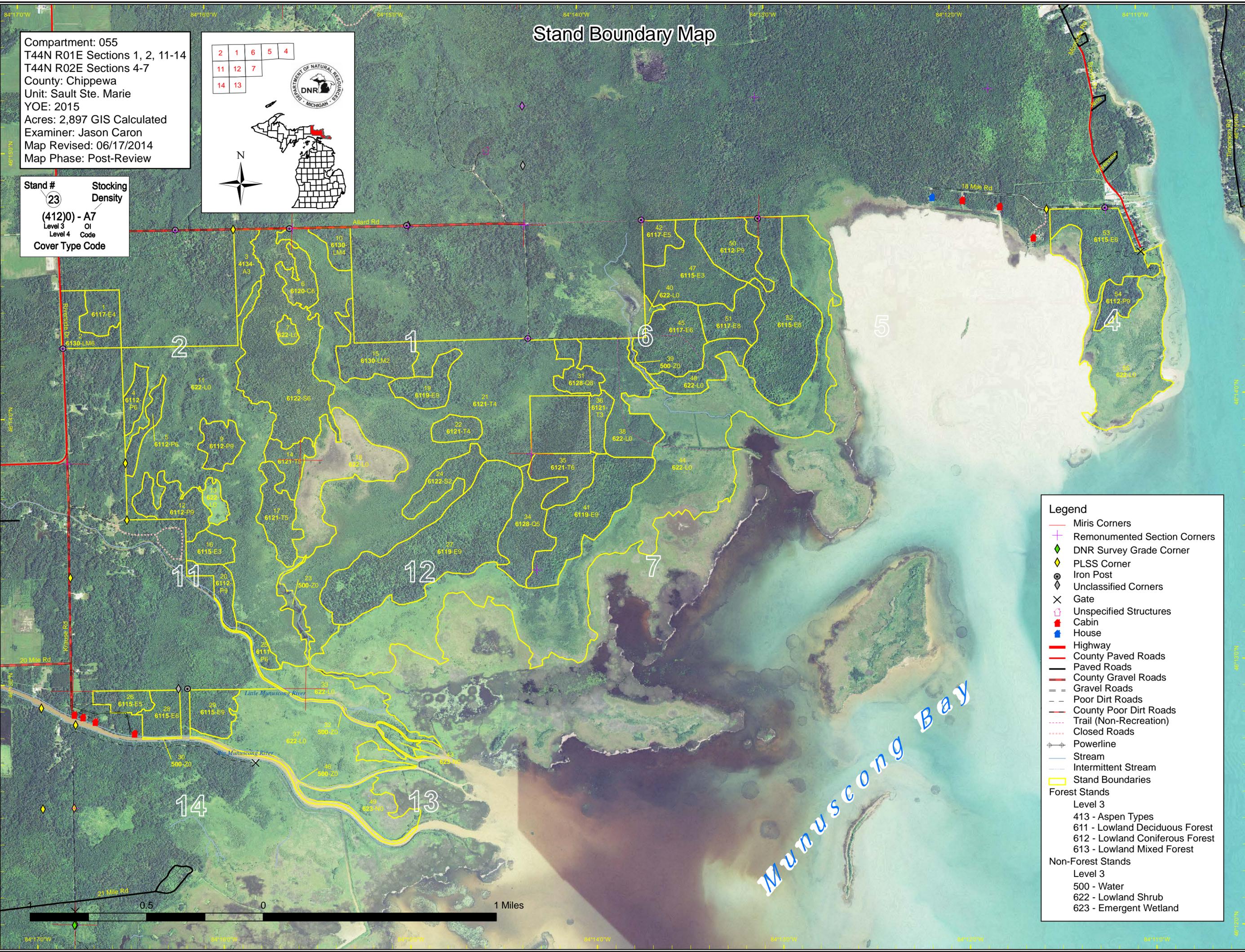
Stand Boundary Map

Compartment: 055
 T44N R01E Sections 1, 2, 11-14
 T44N R02E Sections 4-7
 County: Chippewa
 Unit: Sault Ste. Marie
 YOY: 2015
 Acres: 2,897 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 06/17/2014
 Map Phase: Post-Review

2	1	6	5	4
11	12	7		
14	13			

DEPARTMENT OF NATURAL RESOURCES
 DNR
 MICHIGAN

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



Legend

- Miris Corners
- Remonumented Section Corners
- DNR Survey Grade Corner
- PLSS Corner
- Iron Post
- Unclassified Corners
- Gate
- Unspecified Structures
- Cabin
- House
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Powerline
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

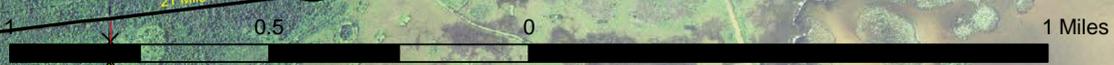
Level 3

- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

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

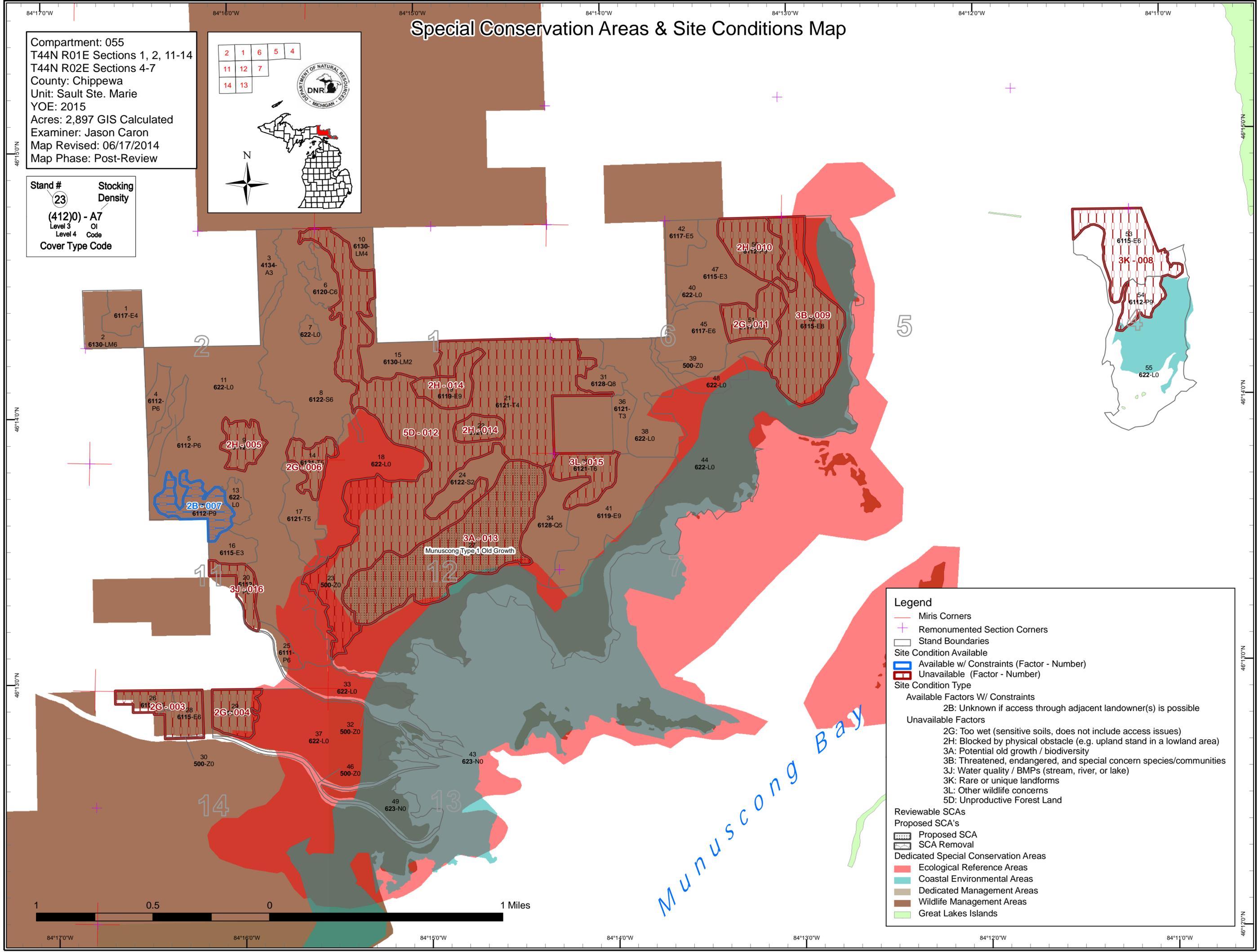


Special Conservation Areas & Site Conditions Map

Compartment: 055
 T44N R01E Sections 1, 2, 11-14
 T44N R02E Sections 4-7
 County: Chippewa
 Unit: Sault Ste. Marie
 YOY: 2015
 Acres: 2,897 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 06/17/2014
 Map Phase: Post-Review



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



Legend

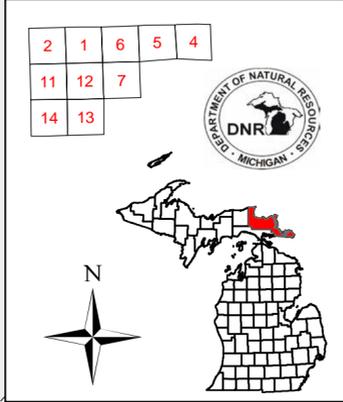
- Miris Corners
- Remonumented Section Corners
- Stand Boundaries
- Site Condition Availability
 - Available w/ Constraints (Factor - Number)
 - Unavailable (Factor - Number)
- Site Condition Type
 - Available Factors W/ Constraints
 - 2B: Unknown if access through adjacent landowner(s) is possible
 - Unavailable Factors
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 - 3A: Potential old growth / biodiversity
 - 3B: Threatened, endangered, and special concern species/communities
 - 3J: Water quality / BMPs (stream, river, or lake)
 - 3K: Rare or unique landforms
 - 3L: Other wildlife concerns
 - 5D: Unproductive Forest Land
- Reviewable SCAs
- Proposed SCAs
 - Proposed SCA
 - SCA Removal
- Dedicated Special Conservation Areas
 - Ecological Reference Areas
 - Coastal Environmental Areas
 - Dedicated Management Areas
 - Wildlife Management Areas
 - Great Lakes Islands

Munuscong Bay

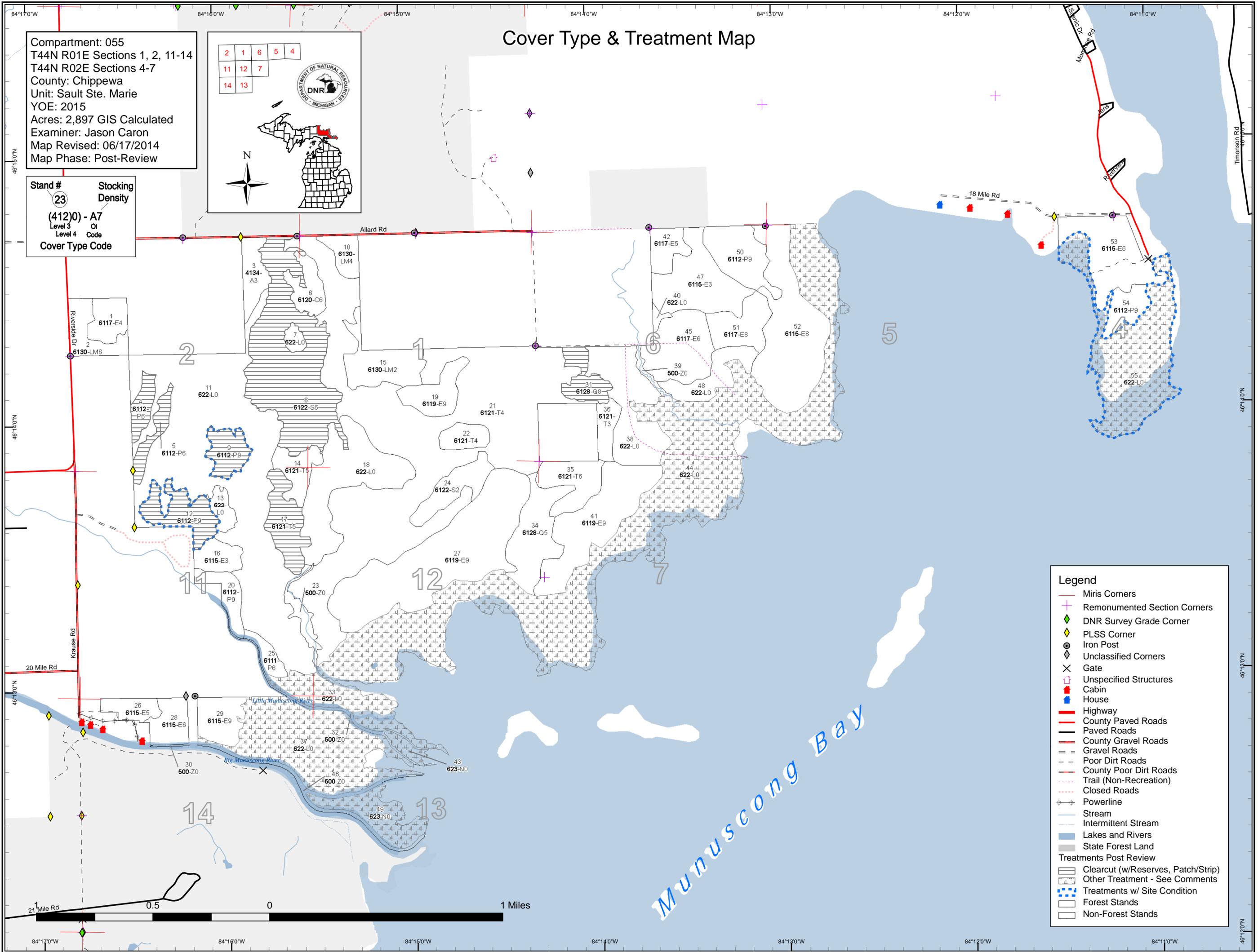


Cover Type & Treatment Map

Compartment: 055
 T44N R01E Sections 1, 2, 11-14
 T44N R02E Sections 4-7
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2015
 Acres: 2,897 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 06/17/2014
 Map Phase: Post-Review



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



- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - ◆ DNR Survey Grade Corner
 - ◇ PLSS Corner
 - Iron Post
 - ◇ Unclassified Corners
 - ✕ Gate
 - Unspecified Structures
 - Cabin
 - House
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
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 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Closed Roads
 - Powerline
 - Stream
 - Intermittent Stream
 - Lakes and Rivers
 - State Forest Land
 - Treatments Post Review**
 - ▨ Clearcut (w/Reserves, Patch/Strip)
 - ▨ Other Treatment - See Comments
 - ▨ Treatments w/ Site Condition
 - ▨ Forest Stands
 - ▨ Non-Forest Stands

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	0	0	19	0	0	0	0	0	0	0	0	0	0	0	19
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	18	0	18
Lowland Aspen/Balsam Poplar	0	0	0	10	0	56	89	0	0	0	0	0	0	0	155
Lowland Conifers	0	0	0	0	0	46	0	0	19	0	0	0	0	0	65
Lowland Deciduous	0	0	0	105	18	57	29	16	101	53	19	151	24	75	650
Lowland Mixed Forest	0	0	0	59	0	13	0	0	0	0	0	0	0	0	72
Lowland Shrub	1187	0	0	0	0	0	0	0	0	0	0	0	0	0	1187
Lowland Spruce/Fir	0	0	0	0	26	0	0	0	0	135	0	0	0	0	161
Marsh	42	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Tamarack	0	0	13	0	0	0	0	0	42	388	0	31	19	0	492
Water	36	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Total	1265	0	32	174	44	172	118	16	162	576	19	182	61	75	2897



Report 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2015

Compartment 055
Total Compartment Acres: 2,897

Acres by Treatment Type

Commercial Harvest - 260 Tree Planting - 0 Other - 767
Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Coniferous Forest	185	0	0	0	0	0	185
Lowland Deciduous Forest	75	0	0	0	0	0	75
Total	260	0	0	0	0	0	260



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	45055008-Cut	135.2	6122 - Black Spruce	High Density Pole	99		Harvest	Clearcut with Reserves	6122 - Black Spruce	Fld. Tr. Bdy.
<u>Prescription</u> Stand is already under contract. Green Acres Softwood. <u>Specs:</u> 45-008-11-01 <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce, tamarack and white pine. <u>Proposed Start Date:</u> 07/17/2012										
17	45055017-Cut	30.9	6121 - Tamarack	Medium Density Pole	111		Harvest	Clearcut with Reserves	6121 - Tamarack	Fld. Tr. Bdy.
<u>Prescription</u> Stand is already under contract. Green Acres Softwood. <u>Specs:</u> 45-008-11-01 <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, yellow and paper birch, balsam fir, tamarack, black spruce and white pine. <u>Proposed Start Date:</u> 07/17/2012										
31	45055031-Cut	19.0	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Log	82		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Fld. Tr. Bdy.
<u>Prescription</u> Stand is already under contract. Green Acres Softwood. <u>Specs:</u> 45-008-11-01 <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce, tamarack and white pine. <u>Proposed Start Date:</u> 07/17/2012										
4	Stand 4-Cut	12.3	6112 - Lowland Aspen	High Density Pole	54		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Clearcut with reserves. Do not cut oak, hemlock, pine, yellow birch, elm or cedar if it exists within the sale. Leave a representation of aspen within the stand for retention purposes. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce and white pine. <u>Proposed 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
5	Stand 5-Cut	12.9	6112 - Lowland Aspen	High Density Pole	54		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Fld. Tr. Bdy. - Incomplete

Prescription Clearcut with reserves. Do not cut oak, hemlock, pine, yellow birch, elm or cedar if it exists within the sale. Leave a representation of aspen within the stand for retention purposes.

Other Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.

Proposed Start Date: 10/01/2014

45056_OutOfY OE-Spray	680.2						Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete
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Prescription Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other Comments:

Next Steps: Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.

Proposed Start Date: 10/01/2013

33 NF_45055033- Spray	46.3	622 - Lowland Shrub					Other	Unspecified	6229 - Mixed lowland shrub	Fld. Tr. Bdy. - Incomplete
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Prescription Spray invasive species of phragmites, purple loosestrife, frog bit, and any others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other Comments:

Next Steps: Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.

Proposed Start Date: 10/01/2013

37 NF_45055037- Spray	121.1	6229 - Mixed lowland shrub					Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete
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Prescription Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other Comments:

Next Steps: Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.

Proposed Start Date: 10/01/2013



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43	NF_45055043-Spray	6.9	623 - Emergent Wetland				Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete

Prescription Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other
Comments:

Next Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.
Steps:

Proposed
Start Date: 10/01/2013

44	NF_45055044-Spray	437.9	622 - Lowland Shrub				Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete
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Prescription Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other
Comments:

Next Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.
Steps:

Proposed
Start Date: 10/01/2013

49	NF_45055049-Spray	34.7	623 - Emergent Wetland				Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete
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Prescription Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, work instructions and manufacturer recommendations.

Other
Comments:

Next Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed.
Steps:

Proposed
Start Date: 10/01/2013

Total Treatment
Acreage Proposed: 1537.4



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	45055009-Cut	19.2	6112 - Lowland Aspen	High Density Log	68		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Clearcut with reserves. Do not cut oak, hemlock, pine, yellow birch, elm and cedar. Leave some scattered mature trees representative of the <u>Specs:</u> stand. Leave any healthy ash within the stand. <u>Other</u> <u>Comment:</u> Make this stand an optional unit if permission is granted to access adjacent stands. Stand will require freezing down a road through an L type for access. <u>Next</u> <u>Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine. <u>Proposed</u> <u>Start Date:</u> 10/01/2014 <u>Limiting Factor</u> 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)										
12	Stand 12-Cut	30.7	6112 - Lowland Aspen	High Density Log	53		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Clearcut with reserves. Do not cut oak, hemlock, pine, cedar and elm within the sale. Leave some scattered mature aspen in the stand. <u>Specs:</u> <u>Other</u> <u>Comment:</u> <u>Next</u> <u>Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, yellow and paper birch, ironwood, balsam fir, white spruce and white pine. <u>Proposed</u> <u>Start Date:</u> 10/01/2014 <u>Limiting Factor</u> 2B: Unknown if access through adjacent landowner(s) is possible										
55	NF_45055055- Spray	120.0	6220 - Alder/willow				Other	Unspecified	99999 - Multiple/Other Specify in Comments	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Spray invasive species of phragmites, purple loosestrife, frog bit and others found along beach. Choose appropriate herbicide based on site, <u>Specs:</u> work instructions and manufacturer recommendations. <u>Other</u> <u>Comment:</u> <u>Next</u> <u>Steps:</u> Check for success of herbicide. Follow up with herbicide or other methods deemed necessary if needed. <u>Proposed</u> <u>Start Date:</u> 10/01/2013 <u>Limiting Factor</u> 3K: Rare or unique landforms										
Total Treatment Acreage Proposed:		169.9								

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jason Caron : Examiner

Compartment 055

Year of Entry 2015

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions											
				No	5D	3L	3K	3J	3B	3A	2H	2G	2B		
19	19		Aspen	19											
18	18		Cedar	18											
155	65	89	Lowland Aspen/Balsam Poplar	35			17	16			56			31	
65	65		Lowland Conifers	65											
650	231	419	Lowland Deciduous	231			57		101	151	24	85			
72	72		Lowland Mixed Forest	72											
161	161		Lowland Spruce/Fir	161											
492	43	449	Tamarack	43	388	29					13	19			
1,632	674	957	Total Forested Acres	644	388	29	75	16	101	151	93	105	31		
	41%	59%	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
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	33	3J: Water quality / BMPs (stream, river, or lake)	2B: Unknown if access through adjacent landowner(s) is possible		
Comments:							
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	24	3J: Water quality / BMPs (stream, river, or lake)	2B: Unknown if access through adjacent landowner(s) is possible		
Comments:							
005	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	2B: Unknown if access through adjacent landowner(s) is possible			
Comments:							
If permission is granted stand may be harvested. It would have to be an optional unit of the sale however incase of bad conditions.							

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jason Caron : Examiner

Compartment 055

Year of Entry 2015

006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	19			
Comments: Stand is very very low and wet. Timber is extremely poor quality.						
007	Available	2B: Unknown if access through adjacent landowner(s) is possible	31			
Comments: Wrote a letter to landowner to discuss access. Have not heard back from him yet.						
008	Not Available	3K: Rare or unique landforms	75	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	3I: Historical / archeological (add locked comments)
Comments:						
009	Not Available	3B: Threatened, endangered, and special concern species/communities	101			
Comments:						
010	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	37	3B: Threatened, endangered, and special concern species/communities		
Comments: Nearby stick nests in adjacent stand are a concern if a harvest would occur within this stand.						

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jason Caron : Examiner

Compartment 055

Year of Entry 2015

011	Not Available	2G: Too wet (sensitive soils, does not include access issues)	29	
Comments:				
012	Not Available	5D: Unproductive Forest Land	388	
Comments:				
013	Not Available	3A: Potential old growth / biodiversity	151	
Comments:				
014	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	37	
Comments: Stands are "an island in a swamp" no access to them whatsoever.				
015	Not Available	3L: Other wildlife concerns	29	
Comments: Wildlife biologist is concerned due to proximity of this stand to the river corridor.				
016	Not Available	3J: Water quality / BMPs (stream, river, or lake)	16	2G: Too wet (sensitive soils, does not include access issues)
Comments: Stand borders the Little Munuscong river.				



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
Munuscong Type 1 Old Growth	Type 1 or Type 2 Old Growth	Verified Type 1 Old Growth Area	SCA	151.4
Comments				
Stand consists of large diameter red maple and green ash. Stand has not been managed due to access and shoreline concerns.				

**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	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	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.
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	18.1	43		Thick tag alder with pockets of conifer and deciduous. Ground is very wet within the stand.
2	6130 - Fir, Aspen, Maple	High Density Pole	22.5	33		Stand of black spruce mixed with aspen. A few clumps of older mature trees exist but overall the stand is younger. Stand may have been highgraded years ago and therefore has different age classes within it.
3	4134 - Aspen, Spruce/Fir	High Density Sapling	19.0	29		OI records say it was cut in 1985. Very thick stand of aspen regeneration with a very thick understory of balsam!
4	6112 - Lowland Aspen	High Density Pole	12.3	54		Lowland aspen, stand of mixed age. Aspen is poor quality. Stand is growing on a small rise in the swamp, ground is still very low!
5	6112 - Lowland Aspen	High Density Pole	12.9	54		Lowland aspen stand of mixed age. Aspen is poor quality. Stand is growing on a small rise in the swamp, Ground is still very low!
6	6120 - Lowland Cedar	High Density Pole	18.1	131		Cedar is very poor quality! Tops of cedar are dying out, most likely due to age and/or a high water table. Tried to core a tree but can't get a good age due to rot.
8	6122 - Black Spruce	High Density Pole	135.2	99		Stand is currently under contract. Some areas within the stand have very little merchantable timber, other areas have decent timber. Black spruce has a lot of mistletoe damage. Ground is very wet in some locations.
9	6112 - Lowland Aspen	High Density Log	19.2	68		Island of aspen within the swamp. Aspen is old. Understory is a mix of deciduous and conifer. Ground is very low with ash mixed in here and there.
10	6130 - Fir, Aspen, Maple	Low Density Pole	13.3	52		More or less a tag alder slough with a few scattered trees within it. Very wet ground. Timber is very poor quality, stand could almost be considered non-forest! Stand consists of mixed ages throughout.
12	6112 - Lowland Aspen	High Density Log	30.7	53		Decent stand of lowland aspen with varying ages of aspen throughout.
14	6121 - Tamarack	Medium Density Pole	19.2	121		Stand of stagnant tamarack with a few cedar mixed in. High water table. A lot of the tamarack have dead tops.
15	6130 - Fir, Aspen, Maple	Medium Density	36.2	33		Stand changes type around each corner! Overall a younger stand of balsam fir and red maple. Ground is wet.
16	6115 - Lowland Ash	High Density Sapling	15.6	63		Stand of non-merchantable black ash mixed with a few larger green ash and aspen. Stand must of been cut along time ago? Black ash is thick and is the same density as aspen regeneration.
17	6121 - Tamarack	Medium Density Pole	30.9	111		Already on contract. Stand is very poor quality and will be very hard to get to. Contractor may opt to not cut this stand due to the tough access?



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6119 - Mixed Lowland Deciduous Forest	High Density Log	23.9	131	111-140	Stand of large diameter red maple and green ash, both of poor quality.
20	6112 - Lowland Aspen	High Density Log	16.2	61		Stand of timber next to munuscong river. Aspen is large diameter. Some aspen is old some not as old! South part of stand transitions into green ash.
21	6121 - Tamarack	Low Density Pole	387.5	94		Stagnant poor quality tamarack with dead tops. Very high water table within the stand. Thick tag alder and holly within the understory.
22	6121 - Tamarack	Low Density Pole	13.4	83		Stand of poor quality stagnant tamarack. Tag understory is thick!
24	6122 - Black Spruce	Medium Density	25.6	43		Stand of lowland spruce and fir. A lot of tag alder in the understory.
25	6111 - Lowland Balsam Poplar	High Density Pole	9.6	36		Small stand of bam next to river. Bam is regenerating out to river edge.
26	6115 - Lowland Ash	Medium Density Pole	13.4	61	51-80	Stand contains different timber types but too small to delineate. West side contains scattered large aspen with a few elm. East side contains pockets of tag alder with non-merchantable ash. Ground is very low with standing water.
27	6119 - Mixed Lowland Deciduous Forest	High Density Log	151.4	115		OI comments say stand was left for big trees and scenic values, Stand can be clearly seen from Munuscong Bay/St. Mary's River. Stand is old with large diameter trees throughout, numerous cavity trees. Ground appears to be wet in most parts of stand. Unique stand in that it is next to the shoreline and contains a lot of old "wolfy" trees.
28	6115 - Lowland Ash	High Density Pole	19.1	102	51-80	Stand of pole sized green ash. Very high water table within the stand this year. Ground is very low.
29	6115 - Lowland Ash	High Density Log	23.8	97	111-140	Stand consists of large diameter green ash with green ash poles in the understory. The stand is park like, reminds me of a cypress swamp! Standing water in most of the stand. Ground is very low.
31	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Log	18.9	82		Stand is under contract. Stand contains a mix of red maple, tamarack and black spruce. Mostly red maple regeneration in the north half and decent timber in the south half.
34	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	45.8	52		Stand is a mix of conifer and deciduous of small diameter. A few super canopy white pine exist within the stand. Tag alder is thick in some areas, conifer thick in others. Very very wet ground!
35	6121 - Tamarack	High Density Pole	28.8	87		Stand of black spruce and tamarack. Timber is mature. Access is difficult.
36	6121 - Tamarack	High Density Sapling	12.6	27		Stand of young tamarack and black spruce. Very thick density!



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6119 - Mixed Lowland Deciduous Forest	High Density Log	75.4	Uneven Age	81-110	OI notes say this stand was left for big trees and scenic values, can be clearly seen from Munuscon Bay and St. Mary's River. Stand consists of lowland hardwood of poor quality. Red maple and green ash are large diameter. I would consider this stand multi-storied! Ground is very wet!
42	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	16.2	72		Stand is a mix of lowland deciduous and conifer. Ground is very low and timber is very poor quality. Black ash is mostly non-merch with dead tops. White spruce is ok but is scattered. Sale would require a stream crossing. White birch is dying and white spruce has bud worm damage.
45	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	48.7	39		OI notes say the stand was cut back in the '80's but was picked through. What remains is a few older trees scattered within the stand but overall the regeneration is nice.
47	6115 - Lowland Ash	High Density Sapling	56.7	39		Stand of young black ash mixed with deciduous and conifer. Very high water table, low ground!
50	6112 - Lowland Aspen	High Density Log	36.5	61		Stand of decent quality aspen. Stand is holding up well. Ground appears to be a bit higher than the surrounding stands but I can imagine it is still wet.
51	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	29.2	97	51-80	Stand consists of pockets of large red maple, white spruce and green ash with pockets of smaller diameter black ash, tag alder and balsam poplar. Some of the red maple and green ash are large diameter!
52	6115 - Lowland Ash	Medium Density Log	101.2	88		Stand consists of pockets of mature green ash, quaking aspen, red maple etc... and then goes to pockets of decent aspen regeneration or tag alder pockets. Mature timber is old. Stick nests within stand which need an OFS.
53	6115 - Lowland Ash	High Density Pole	57.1	56	51-80	Green ash is many different ages within the stand. A few aspen clones exist here and there. A few super-canopy green ash and basswood exist within the stand. Ash is poor quality some of the larger ash have dead tops.
54	6112 - Lowland Aspen	High Density Log	17.4	67		Stand of lowland aspen with pole sized ash in the understory. Aspen is in tough shape due to the ground conditions. Ground is wet and low.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	6220 - Alder/willow	5.3	Unspecified	Unspecified	
11	6220 - Alder/willow	278.3	No	Unspecified	
13	6229 - Mixed lowland shrub	9.3	No	Unspecified	
18	6229 - Mixed lowland shrub	78.5	No	Low	large lowland opening w/ cedar and tam saps filling in.
23	50 - Water	10.1	Unspecified	Unspecified	
30	50 - Water	0.8	No	Unspecified	Part of the Munuscong River.
32	50 - Water	7.1	No	Unspecified	Part of the Little Munuscong River.
33	622 - Lowland Shrub	46.3	No	Unspecified	
37	6229 - Mixed lowland shrub	121.1	No	Unspecified	
38	6220 - Alder/willow	61.5	No	Unspecified	Field of the former Allard Farm which has filled in with mostly tag alder.
39	50 - Water	3.7	No	Unspecified	Drainage.
40	6220 - Alder/willow	2.7	Unspecified	Unspecified	
43	623 - Emergent Wetland	6.9	Unspecified	Unspecified	
44	622 - Lowland Shrub	437.9	Unspecified	Unspecified	
46	50 - Water	14.6	No	Unspecified	Part of Munuscong River
48	6220 - Alder/willow	26.2	No	Unspecified	
49	623 - Emergent Wetland	34.7	Unspecified	Unspecified	
55	6220 - Alder/willow	120.0	No	Unspecified	