



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 63

Entry Year 2016

Acreage: 556

County Chippewa

Management Area: Munuscong Bay

Revision Date: 07/02/2014

Stand Examiner: Josh Brinks

Legal Description:

T46N R01E Section 24, T46N R02E Sections 19,30

Identified Planning Goals:

This compartment is part of the Munuscong State Wildlife Management Area. The primary focus for this area will be waterfowl and openland species. The wet meadows and grassy openings will be maintained by prescribed burnings which will be used to control the tag alder and willow. There are forest treatments prescribed which will enhance the habitat for woodcock and grouse and promote aspen regeneration. There is also a treatment which is prescribed to harvest some ash before EAB kills it all. Being a small compartment it is important to minimize vehicle access into the compartment while maintaining adequate access for foot traffic into the compartment.

Soil and topography:

There are four different soil types in this compartment: Ermatinger silt loam, Burleigh loamy fine sand, Deford fine sand, and ponded histosols and aquents. The terrain is very flat and wet.

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

This compartment is divided up into two blocks of state land. There are many private parcels surrounding the state land. Most of the residence located along the water are seasonal. The north block is adjacent to a large farm which grows hay. The largest single landowner adjacent to the compartment is Michigan State University with their Dunbar Research Forest.

Unique Natural Features:

The entirety of the shoreline of this compartment is a Great Lakes Marsh.

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:

There is a 20 acre conservation easement located in the north block of state land. This easement was required by DEQ as match for the boat launch at Kemps Point. No equipment is allowed in the easement and no management can take place in this area including prescribed burns.

Watershed and Fisheries Considerations:

This compartment is adjacent to Lake Nicolet on the St. Marys River. This waterbody provides important spawning and nursery habitat for walleye, northern pike, and yellow perch in the St. Marys River system. Management should minimize erosion into the waterbody, and should incorporate standard BMPs.

Wildlife Habitat Considerations:

This compartment is located within the Munuscong Bay Management Area, and is comprised of a coastal area along the St. Mary's River. Acquisition of the portion of this compartment between 10-Mile and 11-Mile roads made possible by a NAWCA grant. Marsh and wet meadow, shrub/scrub, and lowland aspen and ash are the primary cover types. Most forested stands are sparsely stocked. Openings maintenance has been prescribed for some openings to discourage woody encroachment and promote habitat for waterfowl and open land species like sharp-tailed grouse. Access trails exist on the southern part of the compartment. Management objectives include maintaining the coastal habitats for waterfowl and other migratory species, encouraging stand diversity, and maintaining public access for hunting and wildlife viewing.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine clay and silt. The glacial drift thickness varies between 50 and 200 feet. The Precambrian Jacobsville Sandstone and Cambrian Munising Formation subcrop below the glacial drift. The Jacobsville has been used as a building stone in the past. No gravel pits exist in the vicinity of the compartment and sediment type limits potential. There is no economic oil and gas production in the UP.

Vehicle Access:

This compartment can be accessed off of 9 Mile, 10 Mile, and 11 Mile roads. There is a parking lot located on 11 mile road. This is the access point for the south block of this compartment. The south block has a road which runs north-south and a road that runs east out to the edge of the river. The road is gated off at both the north and south ends and open to foot traffic only. The northblock has no roads or trails through it and is foot access only.

Survey Needs:

A survey will be needed in both section 24 and section 30 for future treatments. It is not know if corners exist in these sections.

Recreational Facilities and Opportunities:

There is an improved parking area located on 11 Mile Rd. there are numerous oppurtunities for wildlife view and hunting of small game, deer and waterfowl in this compartment.

Fire Protection:

The grass marsh area in this compartment has a high potential for wildfires. There are plenty of locations to get water if needed. It should be noted that no equipment is allowed into the concervation easement area. If there is a wildfire it needs to be stopped before it gets to it or after it burns through it.

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**

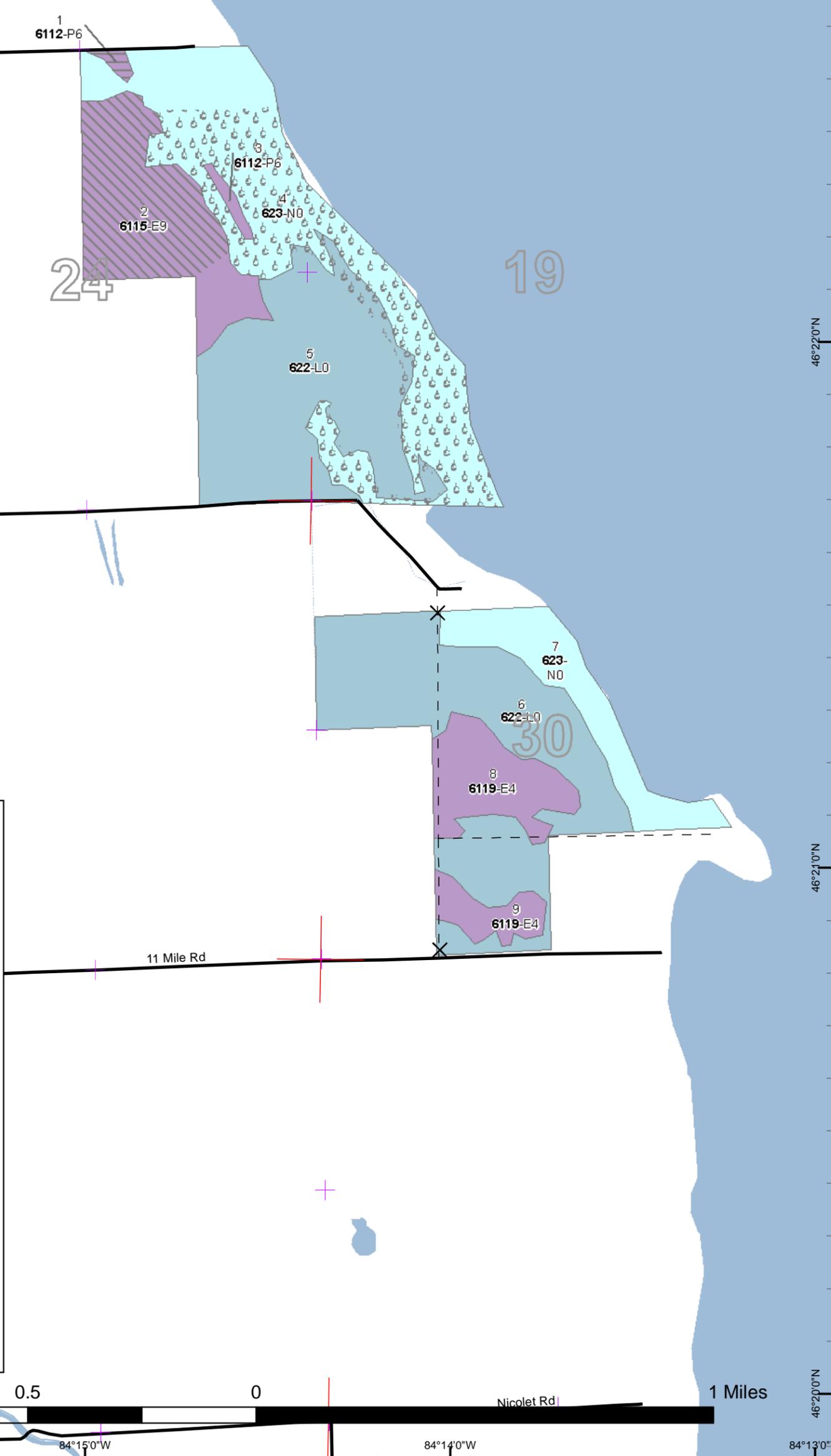
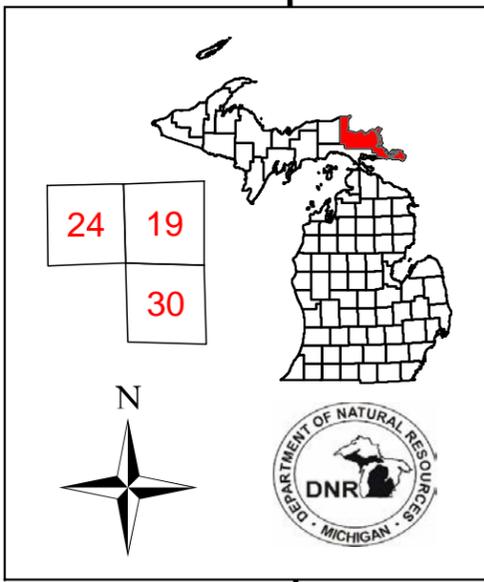
The following information is displayed, where pertinent, on the attached compartment maps:

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

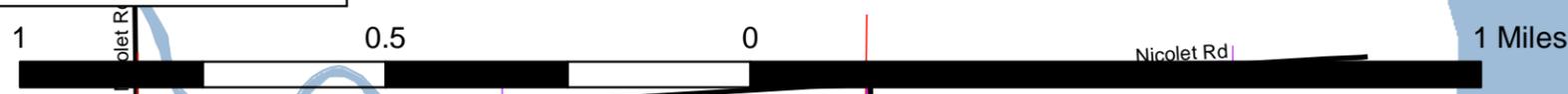
Cover Type & Treatment Map

Compartment: 063
 T46N R01E Section 24
 T46N R02E Sections 19, 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Management Area: None
 YOE: 2016
 Acres: 556 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 08/06/2014
 Map Phase: Pre-Review

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



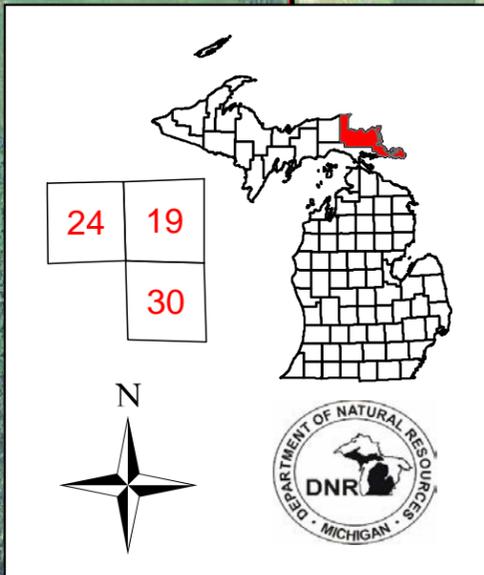
- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - X Gate
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Stream
 - Intermittent Stream
 - Lakes and Rivers
 - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
 - Other Harvest - See Comments
 - Prescribed Burn
- Forest Stands**
- Level 3
- 611 - Lowland Deciduous Forest
- Non-Forest Stands**
- Level 3
- 622 - Lowland Shrub
 - 623 - Emergent Wetland



Stand Boundary Map

Compartment: 063
 T46N R01E Section 24
 T46N R02E Sections 19, 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Management Area: None
 YOE: 2016
 Acres: 556 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 08/06/2014
 Map Phase: Pre-Review

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



Legend

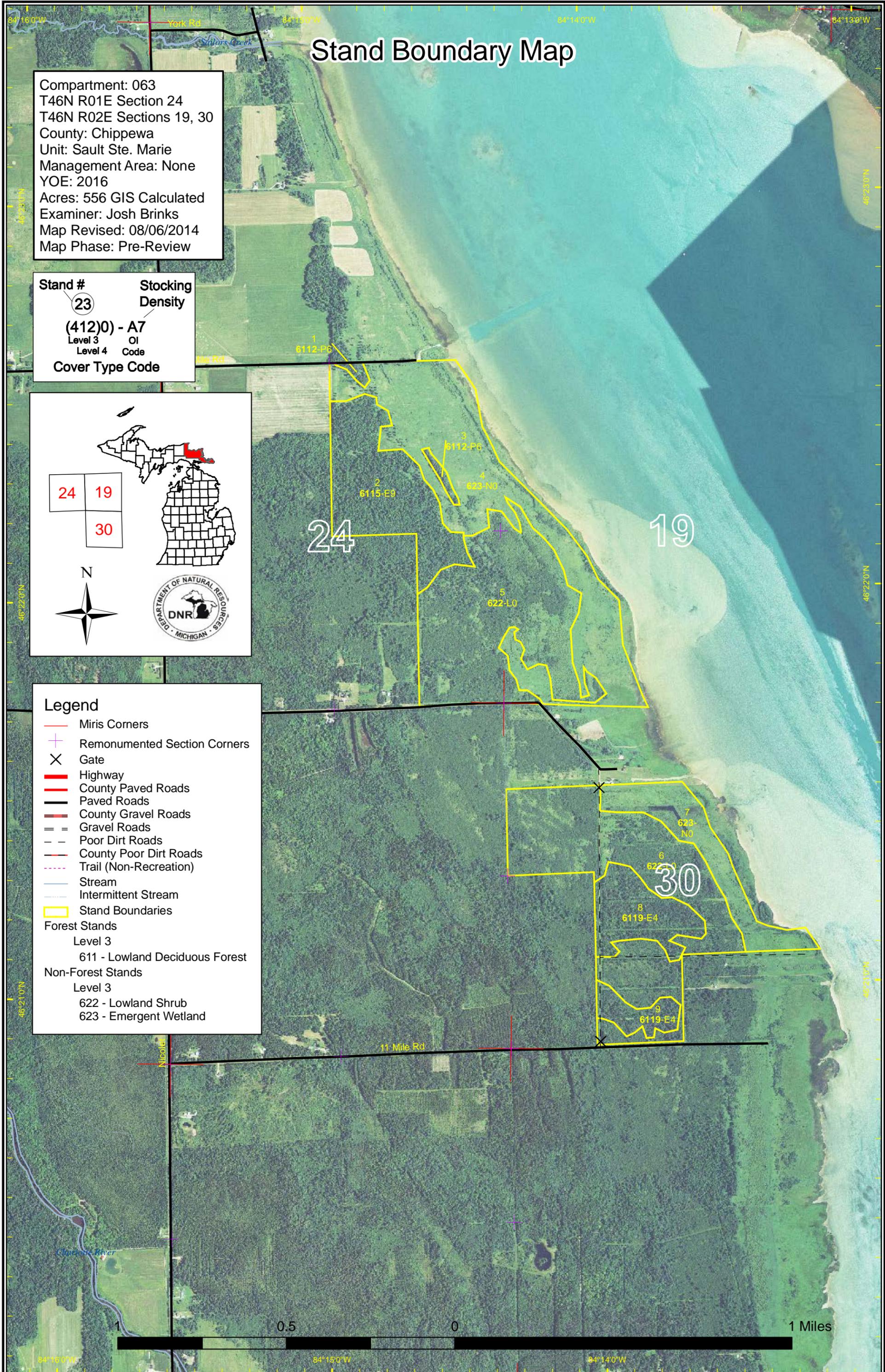
- Miris Corners
- + Remonumented Section Corners
- X Gate
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

- Level 3
- 611 - Lowland Deciduous Forest

Non-Forest Stands

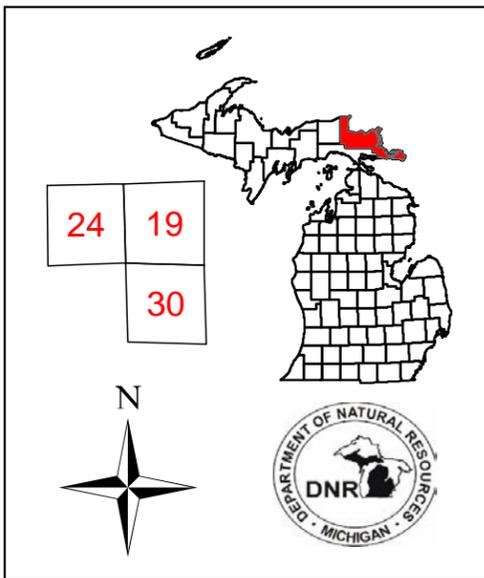
- Level 3
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Special Conservation Areas & Site Conditions Map

Compartment: 063
 T46N R01E Section 24
 T46N R02E Sections 19, 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Management Area: None
 YOE: 2016
 Acres: 556 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 08/06/2014
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- ▒ Available w/ Constraints (Factor - Number)
- ▓ Unavailable (Factor - Number)

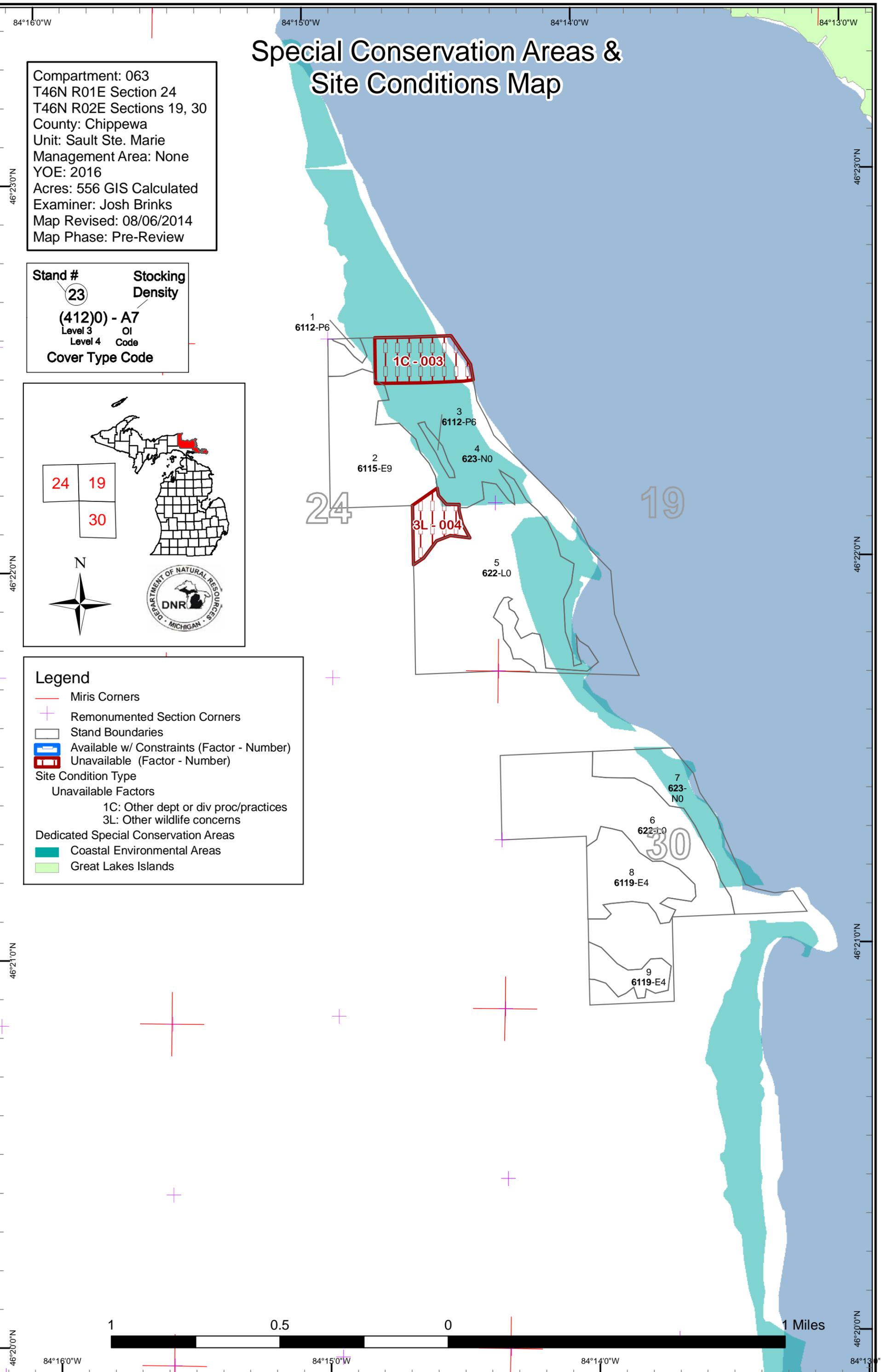
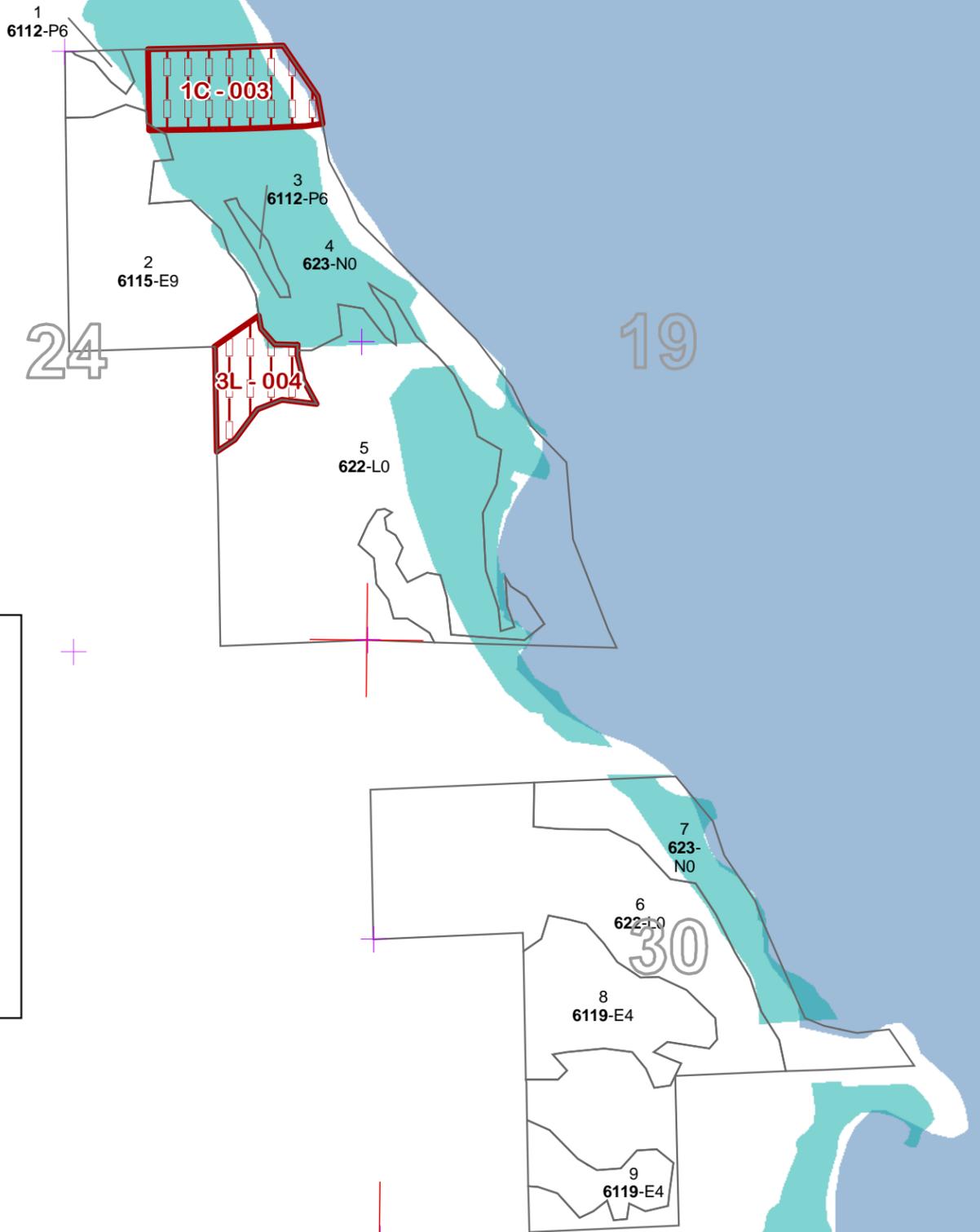
Site Condition Type

Unavailable Factors

- 1C: Other dept or div proc/practices
- 3L: Other wildlife concerns

Dedicated Special Conservation Areas

- Coastal Environmental Areas
- Great Lakes Islands



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	
Lowland Aspen/Balsam Poplar	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
Lowland Deciduous	0	0	0	0	0	48	0	0	0	71	0	0	0	0	119
Lowland Shrub	250	0	0	0	0	0	0	0	0	0	0	0	0	0	250
Marsh	182	0	0	0	0	0	0	0	0	0	0	0	0	0	182
Total	432	0	0	2	3	48	0	0	0	71	0	0	0	0	556



Report 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2016

Compartment 063
Total Compartment Acres: 556

Acres by Treatment Type

Commercial Harvest - 61 Tree Planting - 0 Other - 119
Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Deciduous Forest	2	0	0	0	0	58	61
Total	2	0	0	0	0	58	61



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	45063001-Cut	2.1	6112 - Lowland Aspen	High Density Pole	39	111-140	Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal

Prescription Clearcut all trees down to 4 inches in DBH. Leave a scattered mature aspen spaced every 75 feet.
Specs:
Other
Comments:
Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, birch, aspen, cherry, firash and elm
Proposed
Start Date: 10/01/2015

2	45063002-Cut	58.5	6115 - Lowland Ash	High Density Log	92	111-140	Harvest	Other - Specify in Comments	6119 - Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
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Prescription Cut all ash and aspen except those marked to leave as cavity nesting trees. Leave all maple, yellow birch and conifers.
Specs:
Other treatment timing will be affected by nearby nest. 660 ft of no cut then within a 1/4 mile no cutting between 1/1 and 6/10.
Comments:
Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, paper and yellow birch, spruce, fir, aspen and ash.
Proposed
Start Date: 10/01/2015

4	NF_45063004-Burn	119.3	6233 - Wet Meadow				Prescribed Burn	Unspecified	6233 - Wet Meadow	Cmpt. Review Proposal
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Prescription Prescribed fire to control shrub growth. (FTP # W-45-149)
Specs:
Other Adjust the boundary in accordance with current bald eagle guidance. Also check to see if we can burn on the conservation easement.
Comments:
Next Steps:
Proposed
Start Date: 10/01/2013

**Total Treatment
Acreage Proposed: 179.9**



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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

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment 063

Year of Entry 2016

Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	3L
	Available	Not Available			
5	5		Lowland Aspen/Balsam Poplar	5	
119	106	13	Lowland Deciduous	106	13
124	111	13	Total Forested Acres	111	13
	90%	10%	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		1C: Other dept or div proc/practices	23				
<p>Comments: This area has a conservation easement on it and is being used as match for Kemps Point. A managment plan must be written for it before anything can be done in the area as per DEQ's instructions.</p>								
004	Not Available		3L: Other wildlife concerns	13				
<p>Comments: Raptor nest nearby.</p>								



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	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.

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Sault Ste. Marie Mgt. Unit

Report 8 – Forested Stands

Compartment: 063
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6112 - Lowland Aspen	High Density Pole	2.1	39	111-140	Two clones of aspen with some black ash and elm. Some of the aspen is log size. The elm is dying.
2	6115 - Lowland Ash	High Density Log	71.3	92	111-140	Mostly ash with red maple. there are some areas with scattered yellow birch and spruce. There are also a couple of clones of aspen mostly along the east edge of the stand. Pole size trees along the edge of the stand. North end of the stand is more open and has an old fence row through it making me think that it was used for grazing at one time.
3	6112 - Lowland Aspen	High Density Pole	2.7	43	81-110	A narrow line of aspen that looks to be growing on an old road bed.
8	6119 - Mixed Lowland Deciduous Forest	Low Density Pole	34.4	54	1-50	A low density mixed stand dominated mainly by paper birch and aspen. Tamarack is growing in the ditches along the "roads".
9	6119 - Mixed Lowland Deciduous Forest	Low Density Pole	13.7	54	1-50	Similar to stand to the north. Low density trees with tag alder.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6233 - Wet Meadow	139.8	No	Medium	Mostly marsh grass but some low shrubs can be found through the stand. There is a line of trees and shrubs that can be found along the shoreline.
5	622 - Lowland Shrub	126.7	Unspecified	Unspecified	Tag alder and willow.
6	6220 - Alder/willow	123.3	No	Low	There are scattered trees through the shrub stand. Mostly paper birch, aspen, spruce and tamarack.
7	6233 - Wet Meadow	42.0	No	Low	Mostly marsh grass but some shrubs are scattered through the stand.