



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 179

Entry Year 2016

Acreage: 1,704

County Mackinac

Management Area: County Line Hardwoods

Revision Date: 06/27/2014

Stand Examiner: Matt Edison

Legal Description:

T44N-R10W, Sections 4, 8-10, 15 & 17

Identified Planning Goals:

This compartment is located along the Luce/Mackinac county line and reaches from just west of Highway M-117 over to just East of Krause Road. This entry, management will consist of selection harvest of mature northern hardwoods to improve quality and promote growth and regeneration. Final harvest of lowland mixed conifer stands are scheduled to promote regeneration. Access is a limiting factor on some harvests.

Soil and topography:

The compartment is generally flat-gently rolling. There are some ridges in the northeast of section 4. There are numerous creeks of varying size throughout the compartment. The uplands generally consist of sands (Wallace). The lowlands consist of histosols, aquents, and Markey-Carbondale muck.

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

This compartment is located on the northern edge of an established agricultural and residential area north of Engadine. There are numerous private holdings within the compartment resulting in fragmented state ownership. There is significant private to the south, which is generally open agricultural land. Hiawatha Sportsman's club borders the compartment to the east. The north edge of the compartment is the Luce/ Mackinac county line.

Unique Natural Features:

McAlpine Creek, Skunk Creek and tributaries and the upper Millecoquin River run through the compartment. There is a potential for rare threatened or endangered plant and animal species within the compartment. Stands to be managed will be checked for species of concern. Management will be modified if species are found within those stands per management guidelines for that species.

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:

None

Watershed and Fisheries Considerations:

McAlpine Creek and its tributary, Skunk Creek, and the upper Millecoquins River are designated Type II trout waters. Past surveys captured brook trout, sculpin spp., blacknose dace, and creek chubs. Brook trout is not stocked in McAlpine Creek. Standard BMP guidelines should apply.

Wildlife Habitat Considerations:

This compartment lies within the County Line Hardwoods Management Area. The original surveyor's notes show that this area generally contained a diversity of tree species including hemlock, white birch, yellow birch, sugar maple, black ash, aspen, elm, red maple, and cedar. Lowlands also contained spruce and tamarack. Presently, this compartment is a diverse mixture of aspen, cedar and northern hardwoods. Lowland brush occupies a significant portion as well. Wildlife habitat objectives include maintaining structural and age diversity in hardwoods, age class diversity between aspen stands, and cover in lowland conifer stands. Wildlife species with the potential to benefit from the prescriptions include hawks, snowshoe hare, deer, black bear, ruffed grouse, bobcat, and neo-tropical migrant bird.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) clay, silt, sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group and Cabot Head Shale subcrop below the glacial drift. The Burnt Bluff is quarried for stone/limestone elsewhere in the UP. Gravel pits are located in Section 15 & 16 and there is potential on the uplands. There is no current economic oil and gas production in the UP.

Vehicle Access:

Access to the western part of the compartment is very good via state highway M-117, which runs north/south through the compartment. Krause Road (County) runs north/south paralleling M-117 one mile to the east and offers good year round access. There are numerous two-track forest roads that offer access to the interior of the western section of the compartment. Access is limited in the eastern section of the compartment. Access to the east of upper Millecoquins River is through Hiawatha Sportsman's Club. Areas south and west of Skunk Creek are blocked by private and any access would be through private. There is very limited access via state land from the north in the northeast of section 10.

Survey Needs:

Blue property lines will need to be painted, but existing corners appear to be adequate.

Recreational Facilities and Opportunities:

Hunting opportunities are plentiful with a wide range of habitat types within this compartment (see wildlife notes). Fishing is common along McAlpine Creek, Skunk Creek, and the upper Millecoquins River (see fisheries notes). There are no designated snowmobile or ORV trails within the compartment. A groomed snowmobile trail as well as the Sandtown Motorcycle trail is located just north of the compartment.

Fire Protection:

Fire potential is limited due to the large amounts of lowland fuel types and northern hardwoods. Areas of grass and/or slash from previous harvests are present and could be areas for fire potential. Any fire occurring within the lowland types (mucky soils) has potential to require heavy mop-up. Fire access is through private in large areas of the compartment. McAlpine Creek, Skunk Creek, the upper Millecoquins River and various seasonal water holes are potential water sources.

Additional Compartment Information:

None

The following reports from the Inventory are attached:

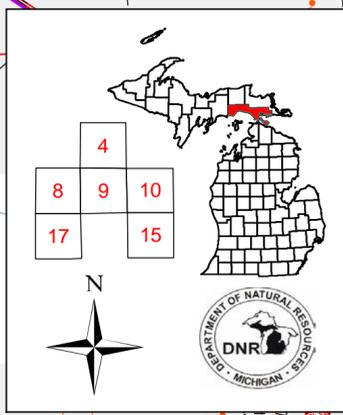
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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**

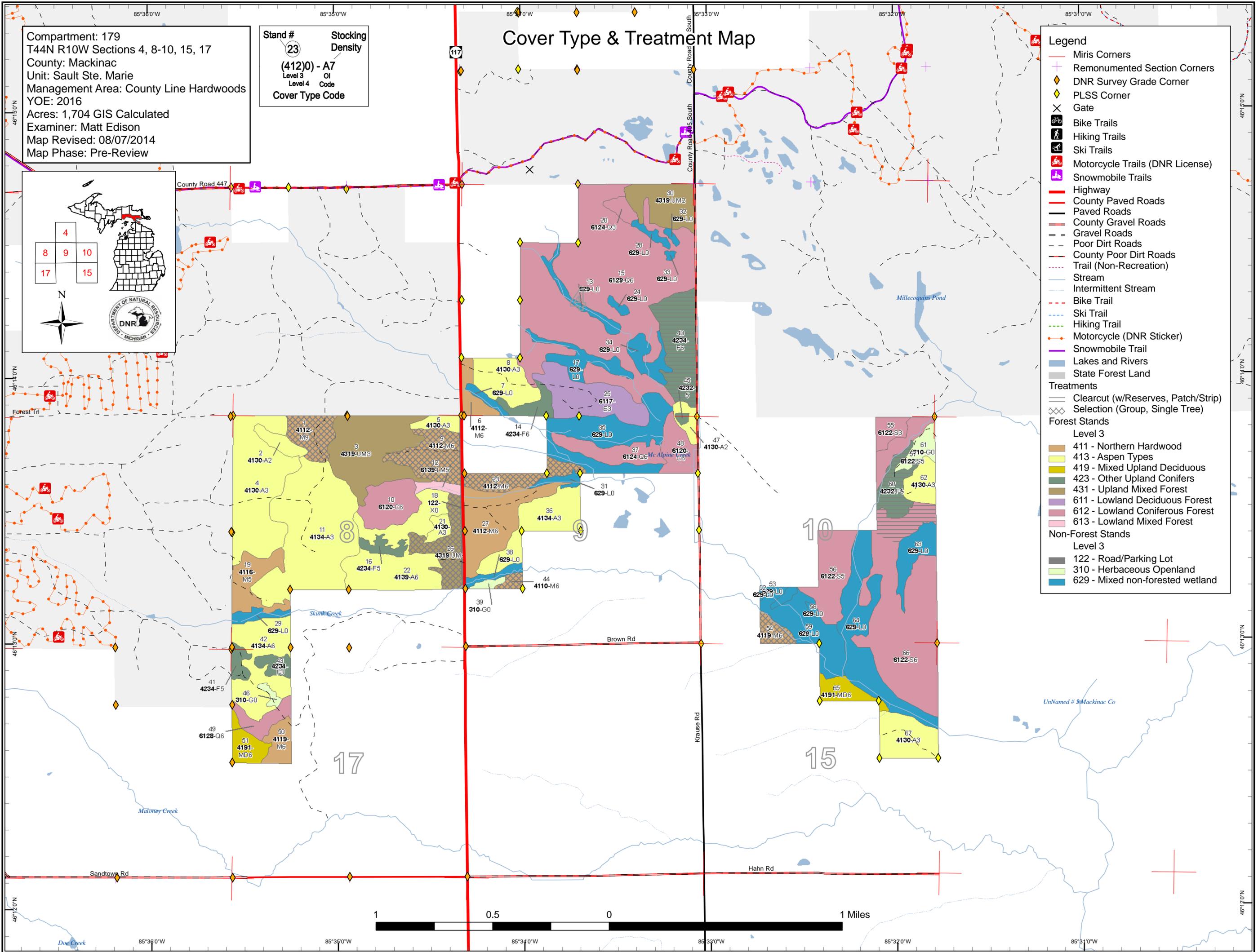
Compartment: 179
 T44N R10W Sections 4, 8-10, 15, 17
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: County Line Hardwoods
 YOE: 2016
 Acres: 1,704 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 08/07/2014
 Map Phase: Pre-Review

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



Cover Type & Treatment Map

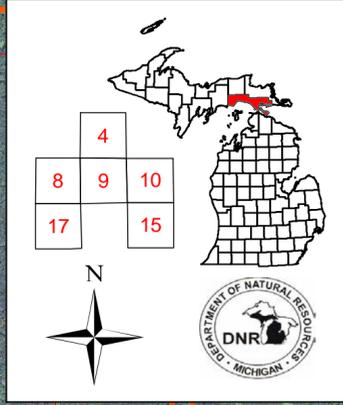
- ### Legend
- Miris Corners
 - Remunented Section Corners
 - DNR Survey Grade Corner
 - PLSS Corner
 - Gate
 - Bike Trails
 - Hiking Trails
 - Ski Trails
 - Motorcycle Trails (DNR License)
 - Snowmobile Trails
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Stream
 - Intermittent Stream
 - Bike Trail
 - Ski Trail
 - Hiking Trail
 - Motorcycle (DNR Sticker)
 - Snowmobile Trail
 - Lakes and Rivers
 - State Forest Land
- ### Treatments
- Clearcut (w/Reserves, Patch/Strip)
 - Selection (Group, Single Tree)
- ### Forest Stands
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 423 - Other Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- ### Non-Forest Stands
- Level 3
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 629 - Mixed non-forested wetland



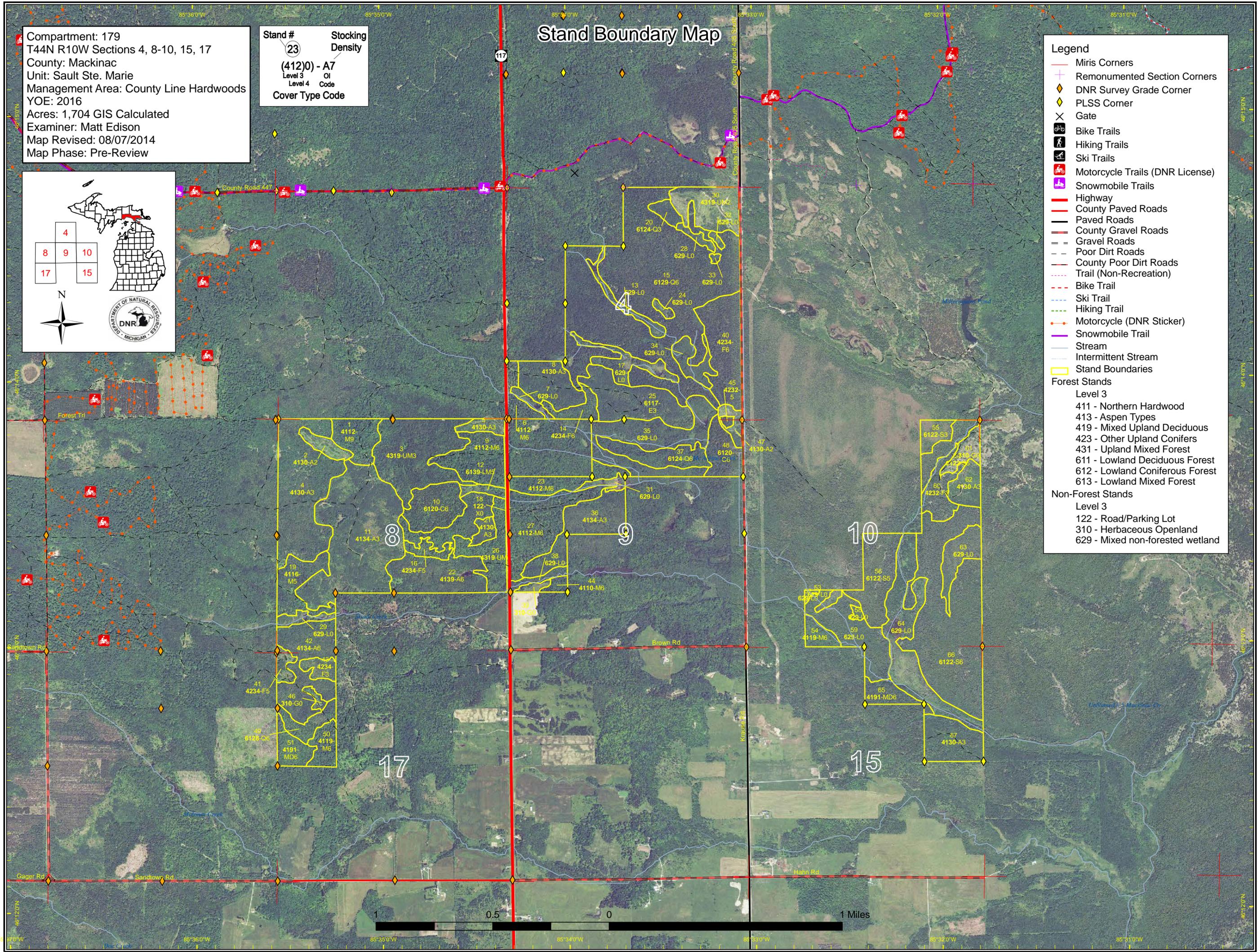
Stand Boundary Map

Compartment: 179
 T44N R10W Sections 4, 8-10, 15, 17
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: County Line Hardwoods
 YOE: 2016
 Acres: 1,704 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 08/07/2014
 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
 - ◆ DNR Survey Grade Corner
 - ◇ PLSS Corner
 - ⊗ Gate
 - 🚲 Bike Trails
 - 🚶 Hiking Trails
 - 🛷 Ski Trails
 - 🏍 Motorcycle Trails (DNR License)
 - 🚲 Snowmobile Trails
 - 🛣 Highway
 - 🛣 County Paved Roads
 - 🛣 Paved Roads
 - 🛣 County Gravel Roads
 - 🛣 Gravel Roads
 - 🛣 Poor Dirt Roads
 - 🛣 County Poor Dirt Roads
 - 🛣 Trail (Non-Recreation)
 - 🚲 Bike Trail
 - 🚶 Ski Trail
 - 🚶 Hiking Trail
 - 🏍 Motorcycle (DNR Sticker)
 - 🚲 Snowmobile Trail
 - 🌊 Stream
 - 🌊 Intermittent Stream
 - 🟡 Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 423 - Other Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 629 - Mixed non-forested wetland



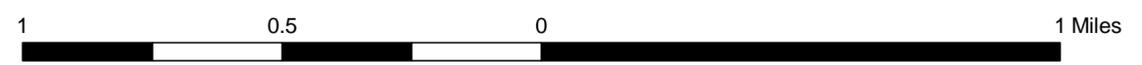
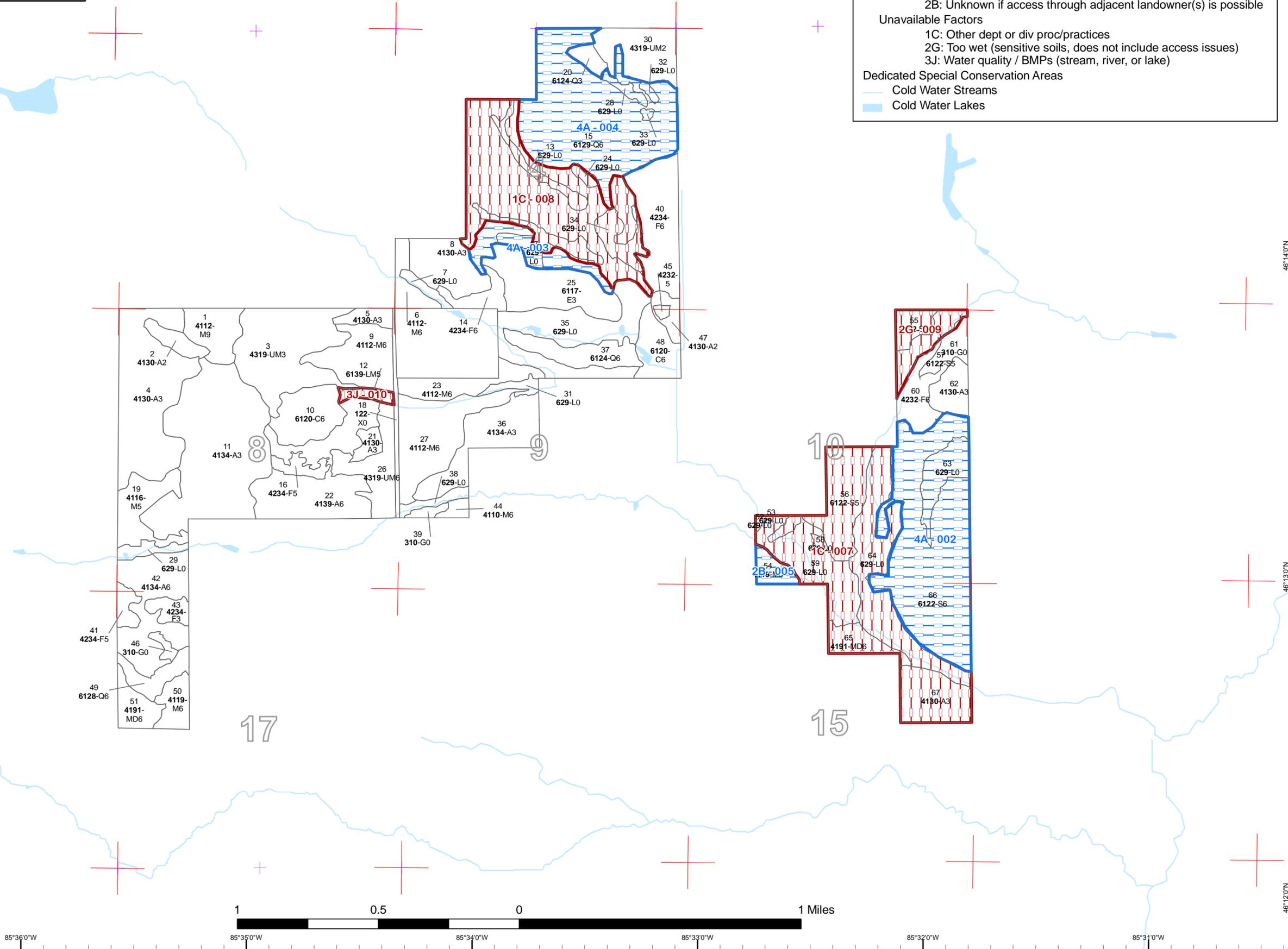
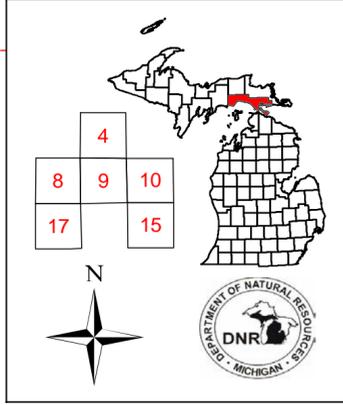
Compartment: 179
 T44N R10W Sections 4, 8-10, 15, 17
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: County Line Hardwoods
 YOE: 2016
 Acres: 1,704 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 08/06/2014
 Map Phase: Pre-Review

Stand #
 (23)
 Stacking
 Density
 (412)0 - 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
 - 4A: No merchantable products (see product standards)
 - 2B: Unknown if access through adjacent landowner(s) is possible
- Unavailable Factors
 - 1C: Other dept or div proc/practices
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 3J: Water quality / BMPs (stream, river, or lake)
- Dedicated Special Conservation Areas
 - Cold Water Streams
 - Cold Water Lakes



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	22	42	331	46	0	0	0	0	0	0	0	0	0	0	442
Cedar	0	0	0	0	0	0	0	0	0	19	27	0	0	0	46
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Conifers	0	0	0	6	0	35	0	0	252	0	0	0	0	0	293
Lowland Deciduous	0	0	44	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Mixed Forest	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Lowland Shrub	243	0	0	0	0	0	0	0	0	0	0	0	0	0	243
Lowland Spruce/Fir	0	0	0	0	0	58	129	0	0	0	0	0	0	0	187
Mixed Upland Deciduous	0	0	0	0	13	0	13	0	0	0	0	0	0	0	26
Northern Hardwood	0	0	0	24	0	0	4	132	20	0	0	0	0	0	181
Upland Mixed Forest	30	65	0	0	0	26	0	0	0	0	0	0	0	0	121
Upland Spruce/Fir	0	7	6	0	18	0	44	18	0	0	0	0	0	0	94
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	318	115	381	76	36	119	190	151	272	19	27	0	0	0	1704



Report 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2016

Compartment 179
Total Compartment Acres: 1,704

Acres by Treatment Type

Commercial Harvest - 189	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
Lowland Coniferous Forest	17	0	0	0	0	0	17
Northern Hardwood	0	85	0	0	0	0	85
Other Upland Conifers	62	0	0	0	0	0	62
Upland Mixed Forest	0	26	0	0	0	0	26
Total	79	111	0	0	0	0	189



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	45179001-Cut1	20.4	4112 - Maple, Beech, Cherry Association	High Density Log	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Thin stand to average basal area of approximately 80-90 basal area. Retain cherry and any beech that may potentially have BBD resistance.
Specs:

Other
Comments:

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

Proposed
Start Date: 10/01/2015

9	45179009-Cut	31.8	4112 - Maple, Beech, Cherry Association	High Density Pole	77	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
---	--------------	------	---	-------------------------	----	--------	---------	--------------------------	----------------------------	--------------------------

Prescription Thin stand to average basal area of 80-90. There are scattered beech, hemlock, and yellow birch. Leave all yellow birch and hemlock. Leave any beech that are potentially resistant to BBD.
Specs:

Other
Comments:

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

Proposed
Start Date: 10/01/2015

23	45179023-Cut	20.2	4112 - Maple, Beech, Cherry Association	High Density Pole	77	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
----	--------------	------	---	-------------------------	----	--------	---------	--------------------------	----------------------------	--------------------------

Prescription Thin to an average basal area of 80. Retain hemlock and yellow birch.
Specs:

Other
Comments:

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

Proposed
Start Date: 10/01/2015

26	45179026-Cut	25.8	4319 - Mixed Upland Forest	High Density Pole	55	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
----	--------------	------	-------------------------------	-------------------------	----	---------	---------	--------------------------	----------------------------	--------------------------

Prescription Thin stand to average basal area of 80-90. Retain all conifer and yellow birch. Leave some scattered aspen.
Specs:

Other
Comments:

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

Proposed
Start Date: 10/01/2015

S
t
a
n
d

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40 45179040-Cut	43.9	42340 - Upland Spruce/Fir	High Density Pole	66	111-140	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal

Prescription Clearcut with reserves following the retention guidelines. Retain patch or patches of untreated areas and leave conifer 4" and smaller on the site.
Specs: Retain some trees representative of all present species. Do not cut any white pine. Buffer Skunk Creek that runs along Krause Rd.

Other A stream crossing (bridge or culvert) will be required to access stand from Krause Rd.
Comments:

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

Proposed
Start Date: 10/01/2015

44 45179044-Cut	3.8	4110 - Sugar Maple Association	High Density Pole	68	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
-----------------	-----	--------------------------------	-------------------	----	---------	---------	-----------------------	-------------------------	-----------------------

Prescription Thin stand to average basal area of approximately 80-90. Retain healthy cherry and yellow birch.
Specs:

Other Access is through private and permission must be obtained.
Comments:

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

Proposed
Start Date: 10/01/2015

60 45179060-Cut	18.2	42320 - Upland Spruce	High Density Pole	71	111-140	Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
-----------------	------	-----------------------	-------------------	----	---------	---------	------------------------	---------------------------	-----------------------

Prescription Clearcut with reserves following the retention guideline. Retain patch or patches of untreated areas and leave conifer 4" and smaller on the site.
Specs: Buffer the adjacent wetlands according to guidelines. Leave some scattered trees representative of the stand. See the compartment Archaeological notes before treatment preparation.

Other Access is through Hiawatha Sportsmen Club.
Comments:

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

Proposed
Start Date: 10/01/2015

**Total Treatment
 Acreage Proposed: 163.9**

S
t
a
n
d

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54 45179054-Cut	8.7	4119 - Mixed Northern Hardwoods	High Density Pole	77	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Thin to average basal area of approximately 80-90. Leave some conifer and all Hemlock. retain any cherry or yellow birch if present.
Specs:

Other Comment: Access is through private property and permission must be obtained.

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

Proposed Start Date: 10/01/2015

Limiting Factor 2B: Unknown if access through adjacent landowner(s) is possible

66 45179066-Cut_small	16.9	6122 - Black Spruce	High Density Pole	67	81-110	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
-----------------------	------	---------------------	-------------------	----	--------	---------	------------------------	--	-----------------------

Prescription Clearcut with reserves following the retention guideline. Retain patch or patches of untreated areas and leave conifer 4" and smaller on the site.
Specs: Buffer the adjacent wetlands according to guidelines. Leave some scattered trees representative of the stand. Parts of the harvest may require winter operations.

Other Comment: Access is through Hiawatha Sportsmen's Club. The treatment area will most likely be only in the northern part of the stand. Include as much of the stand as is operable and accessible.

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

Proposed Start Date: 10/01/2015

Limiting Factor 4A: No merchantable products (see product standards)

**Total Treatment
Acreage Proposed: 25.6**

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions					
				No	4A	3J	2G	2B	1C
442	413	28	Aspen	413	0				28
46	46		Cedar	46					
292	185	107	Lowland Conifers	42	144				107
43	43		Lowland Deciduous	43	0				
5		5	Lowland Mixed Forest			5			
187	126	61	Lowland Spruce/Fir	0	126		23		38
26	13	13	Mixed Upland Deciduous	13					13
180	180		Northern Hardwood	172				9	
121	121		Upland Mixed Forest	121					
94	93	0	Upland Spruce/Fir	93	0				0
1,436	1,223	213	Total Forested Acres	944	270	5	23	9	186
	85%	15%	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
002	Available	4A: No merchantable products (see product standards)	145	2G: Too wet (sensitive soils, does not include access issues)	4A: No merchantable products (see product standards)		
Comments:							
003	Available	4A: No merchantable products (see product standards)	24	5C: Delay treatment for age/size class diversity or exceptional site quality			
Comments:							

Report 5 – Site Conditions

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

Compartment 179

Year of Entry 2016

004	Available	4A: No merchantable products (see product standards)	134	5C: Delay treatment for age/size class diversity or exceptional site quality
Comments:				
005	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	
Comments:				
007	Not Available	1C: Other dept or div proc/practices	180	
Comments:				
008	Not Available	1C: Other dept or div proc/practices	142	
Comments:				
009	Not Available	2G: Too wet (sensitive soils, does not include access issues)	23	5D: Unproductive Forest Land
Comments:				
010	Not Available	3J: Water quality / BMPs (stream, river, or lake)	5	
Comments:				



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.
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4112 - Maple, Beech, Cherry Association	High Density Log	20.4	84	111-140	Stand of log size maple. About evenly split between sugar and red maple. there is a small amount of beech and some cherry.
2	4130 - Aspen	Medium Density	8.5	5		Clearcut in 2009. Mixed regen.
3	4319 - Mixed Upland Forest	High Density Sapling	65.3	18		Stand is mix of Aspen, Spruce, cherry, and red maple regeneration. Smaller diameter and sparse in places. Some wet holes in a few spots.
4	4130 - Aspen	High Density Sapling	80.6	25		Stand of aspen regen 25-30 ft. poorer quality with a lot of cherry mixed in. scattered poor quality rm.
5	4130 - Aspen	High Density Sapling	7.0	4		Aspen regeneration, sale cut in 2010.
6	4112 - Maple, Beech, Cherry Association	High Density Pole	11.1	78	81-110	Stand was thinned in 2010.
8	4130 - Aspen	High Density Sapling	27.4	25		Aspen regeneration, stand was cut in 1989.
9	4112 - Maple, Beech, Cherry Association	High Density Pole	31.8	77	81-110	Mixed stand of Red, sugar maple with some scattered cherry. Little conifer and Lots of forked trees. Could be thinned to get basal area, but not too high either. good amount of advanced sugar maple regen. There are scattered hemlock and yellow birch and beech.
10	6120 - Lowland Cedar	High Density Pole	27.2	103	111-140	Lowland stand of cedar with black spruce. Good dense stand in most places, lots of deer sign. Smaller diameter, leave for future.
11	4134 - Aspen, Spruce/Fir	High Density Sapling	113.3	25		A3 15-20 ft tall.. Some cherry and lower volume of conifer.
12	6139 - Mixed Lowland Forest	Medium Density Pole	4.9	42	51-80	Stand is drainage corridor with spruce fir and mix of poor quality birch and balm, some cedar.
14	42340 - Upland Spruce/Fir	High Density Pole	10.2	49	81-110	Stand is variable in high low ground. Mostly high ground with mix of balsam and spruce. Relatively small diameter at this time. Check in 10 years for harvest potential.
15	6129 - Mixed Coniferous Lowland Forest	High Density Pole	252.1	88	200+	Stand is mix of dense, but small diameter cedar with tamarack, black spruce, and some paper birch where ground is slightly higher. A few scattered large white pine. overall small size and wet. Look over in future when mature.
16	42340 - Upland Spruce/Fir	Medium Density Pole	6.7	41	51-80	Stand is variable high ground and wet ground. On the high patches there is some large white pine and the rest is lowland conifer, mostly spruce and balsam.... not much merchantable this entry.
19	4116 - Mixed N. Hardwood - Aspen	Medium Density Pole	24.0	34	1-50	Stand is very poor quality cherry brush with aspen regeneration and some red maple mixed in.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6124 - Lowland Spruce- Fir	High Density Sapling	6.0	34		Very wet stand of poor quality, sparse lowland conifers. Some cedar, but mostly spruce.
21	4130 - Aspen	High Density Sapling	5.6	25		Aspen regeneration.
22	4139 - Aspen, Mixed Deciduous	High Density Pole	65.2	25		Stand was cut in 1989. Variable mackinac mix. Mostly aspen, but pockets of red maple regeneration with cherry. Spruce and fir c=scattered throughout.
23	4112 - Maple, Beech, Cherry Association	High Density Pole	20.2	77	81-110	Mixed stand of red and sugar maple with some cherry. Lots of forked trees. Scattered hemlock, yellow birch, and beech.
25	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	43.6	21		Stand is mixed regeneration of Aspen, Balm, red maple, spruce, & fir. Was cut in 1993. Very wet in some spots.
26	4319 - Mixed Upland Forest	High Density Pole	25.8	55	111-140	Mixed bag of low quality hardwoods and conifers. Occasional scattered aspen and birch.
27	4112 - Maple, Beech, Cherry Association	High Density Pole	48.4	71	81-110	Stand was thinned in 2010.
30	4319 - Mixed Upland Forest	Medium Density	30.2	4		Mix of aspen, birch, and mixed conifer.
36	4134 - Aspen, Spruce/Fir	High Density Sapling	38.9	25		Stand is mixed regeneration after being cut in 1989. Mix of aspen and spruce/fir.
37	6124 - Lowland Spruce- Fir	High Density Pole	22.4	55	51-80	Stand is low ground mix match of lowland conifers and poor quality red maple. Very limited access as stand lies between two branches of creek and surrounded by very wet lowlands.
40	42340 - Upland Spruce/Fir	High Density Pole	43.9	66	111-140	Large stand of variable mix of spruce, balsam, and aspen. There are scattered single tamarack and cedar in places. Treatment boundary will be determined on ground during set up. Stand was under 4' of snow when visited.
41	42340 - Upland Spruce/Fir	Medium Density Pole	6.3	25	1-50	Previous opening, but enough cover to be forested. Cherry mixed with conifer.
42	4134 - Aspen, Spruce/Fir	High Density Pole	46.4	34	111-140	Cut in 1980 and K-G'd. Still small diameter. Check for growth in 10 years.
43	42340 - Upland Spruce/Fir	High Density Sapling	7.4	14		Clear cut in 2000. Regeneration of mixed species. Mostly conifer now, but good amount of aspen and red maple.
44	4110 - Sugar Maple Association	High Density Pole	3.8	68	111-140	Sand of decent quality maple. This could be thinned if access is obtained across private.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	42320 - Upland Spruce	Medium Density Pole	1.5	40	51-80	Small stand that was excluded from surrounding sale. It is considerably wet and of poor quality. Thick tag alder in understory.
47	4130 - Aspen	Medium Density	6.9	4		Aspen regen with mix of residual spruce/fir.
48	6120 - Lowland Cedar	High Density Pole	19.1	95	141-170	Poor quality stand of mixed cedar, spruce, and tam. A few scattered birch, but most are dead. A lot of tag alder where open.
49	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	12.5	55	81-110	Wet stand in lower area. Hemlock where the ground is highest. Scattered cedar, but mostly spruce. A few red maple and balm. Low basal area and poor quality. Leave as cover for now.
50	4119 - Mixed Northern Hardwoods	High Density Pole	12.3	72	81-110	Stand has lost all beech reducing basal area. Check in ten years for treatment.
51	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.2	64	111-140	Residual stand of poor quality hardwoods and conifer mix on lower ground. Scattered cedar where wettest. Small diameters and poor form.
54	4119 - Mixed Northern Hardwoods	High Density Pole	8.7	77	111-140	Stand is mature maple with some pockets of spruce. Access was by foot and would be only possible through private for any treatment. Could be thinned if access can be found.
55	6122 - Black Spruce	High Density Sapling	9.8	55		Black Spruce in bog.
56	6122 - Black Spruce	Medium Density Pole	34.8	59	51-80	Stand is lowland black spruce and sparse.
57	6122 - Black Spruce	Medium Density Pole	13.4	51	51-80	Lowland stand on west side of creek. Low quality and volume. Tag alder in open spots. Mix of spruce and tamarack in wetter areas.
60	42320 - Upland Spruce	High Density Pole	18.2	71	111-140	Stand is variable upland conifer with white spruce and balsam fir. There is some areas of sparse volume. Treat this entry and include as much of adjacent stand to south that is possible.
62	4130 - Aspen	High Density Sapling	13.8	18		Aspen regeneration, cut in 1995.
65	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	12.8	40	81-110	Stand is totally variable mackinac mix. Some patches of hardwoods. The aspen is healthy and can hold for another entry to add diameter. Check in 10 years.
66	6122 - Black Spruce	High Density Pole	129.5	67	81-110	Large stand of variable levels of wetness. The north end has some potential for merchantability and should be scouted and included with treatment of stand to the north. Mix of spruce and Fir.....

S
t
a
n
d

Sault Ste. Marie Mgt. Unit

Report 8 – Forested Stands

Compartment: 179
Year of Entry: 2016



Level 4
Cover Type

Size
Density

Acres

Stand
Age

BA
Range

General
Comments:

67

4130 - Aspen

High Density
Sapling

28.2

13

Aspen regeneration, stand was cut in 2001. Stand still has scattered mature aspen from previous sale in areas that were skipped during cutting.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
7	629 - Mixed non-forested wetland	4.3	Unspecified	Unspecified	
13	629 - Mixed non-forested wetland	9.1	Unspecified	Unspecified	
17	629 - Mixed non-forested wetland	16.9	Unspecified	Unspecified	
18	122 - Road/Parking Lot	6.3	Unspecified	Unspecified	
24	629 - Mixed non-forested wetland	2.3	Unspecified	Unspecified	
28	629 - Mixed non-forested wetland	3.7	Unspecified	Unspecified	
29	629 - Mixed non-forested wetland	6.2	Unspecified	Unspecified	
31	629 - Mixed non-forested wetland	4.7	Unspecified	Unspecified	
32	629 - Mixed non-forested wetland	1.6	Unspecified	Unspecified	
33	629 - Mixed non-forested wetland	1.0	Unspecified	Unspecified	
34	629 - Mixed non-forested wetland	13.0	Unspecified	Unspecified	
35	629 - Mixed non-forested wetland	54.3	Unspecified	Unspecified	
38	629 - Mixed non-forested wetland	5.4	Unspecified	Unspecified	
39	310 - Herbaceous Openland	2.9	Unspecified	Unspecified	
46	310 - Herbaceous Openland	2.8	Unspecified	Unspecified	
52	629 - Mixed non-forested wetland	1.2	Unspecified	Unspecified	
53	629 - Mixed non-forested wetland	2.8	Unspecified	Unspecified	
58	629 - Mixed non-forested wetland	1.7	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
59	629 - Mixed non-forested wetland	38.1	Unspecified	Unspecified	
61	310 - Herbaceous Openland	10.1	Unspecified	Unspecified	
63	629 - Mixed non-forested wetland	17.9	Unspecified	Unspecified	
64	629 - Mixed non-forested wetland	58.5	Unspecified	Unspecified	