

# **Compartment Review Presentation**

Sault Ste. Marie Forest Management Unit

Compartment 45058 Entry Year 2019 Acreage: 837

**County Chippewa** 

Management Area: Munuscong Bay

Revision Date: 2017-07-27 Stand Examiner: Jeff Wise

**Legal Description:** 

T44N R1E, Sec 16, 21, 27, 28, 30

## **Identified Planning Goals:**

This is a smaller than average compartment, known as the Sterlingville Potholes, made up entirely of purchased land. It has been managed for waterfowl and to a lesser extent, sharptail grouse. Over the past several years ponds have been created, fields burned, and more land acquired to enhance many wildlife species and provide public access to more recreation land. Very small amounts of forest treatments have been conducted in this compartment. Most of the forested stands lie along the Munuscong River providing wildlife corridors and scenic beauty for boaters. No harvest treatments will be prescribed this YOE, however, Rx burns will be planned for the openings, and planting for geese in the small west block.

### Soil and topography:

Pickford-Rudyard-Ontonogon association: Very deep, nearly level to very steep, poorly to well drained loamy soils on lake plains.

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

The compartment is surrounded entirely by private land. Land use includes agriculture, residences, and hunting camps.

#### **Unique Natural Features:**

The Munuscong River bisects the compartment. MNFI has been consulted and comments received regarding potential and documented T & E species.

#### Archeological, Historical, and Cultural Features:

Archeological, Historical, and Cultural Features: None known, other than most of the land was a farm acquired to create this compartment. Within the compartment but on private land is the historic Gray Cemetery that is still maintained by the township.

#### **Special Management Designations or Considerations:**

The riparian zone of this compartment is very steep and narrow, and consists of mature stands of aspen and white spruce with Old Growth characteristics which have been coded as such.

#### **Watershed and Fisheries Considerations:**

This compartment includes part of the Munuscong River, a tributary to the St. Marys River. Prescribed management activities are appropriate for the protection of this waterbody.

#### Wildlife Habitat Considerations:

The compartment is part of the Munuscong Bay Management Area and featured wildlife species include American bittern, American woodcock, mallard, sharp-tailed grouse, and white-tailed deer. It is entirely part of the Munuscong Bay State Wildlife Management Area (SWMA), and a management plan has been developed for the SWMA. Most of this compartment contains grassland habitat with numerous ponds that were created in the 1990's and early 2000's to benefit waterfowl. Former agricultural activities resulted in the grassland habitat present today, and periodic openings maintenance activities (Rx fire, mechanical management, etc.) are necessary to suppress succession and maintain the grassland habitat for sharp-tailed grouse and other grassland birds as well as nesting habitat for waterfowl including mallards. The shallow wetlands and grassland habitat is visited regularly for hunting and wildlife viewing. Management will continue to focus on maintaining and improving the grassland and wetland habitats in this area to benefit waterfowl and grassland wildlife species as indicated in the SWMA plan.

## Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are located in an upland area in Section 18. The majority of the compartment consists of lowlands and wetlands, which could limit sand and gravel potential. There is no current economic oil and gas production in the UP and there is no known metallic mineral potential in this region.

#### **Vehicle Access:**

There is either paved or gravel access to virtually every block in this compartment. Gray Rd bisects the main block, 21 Mile Rd leads to the northwest block, Riverside Dr borders the east side, while 22 Mile Rd borders the remaining blocks. There is a small two track into the west side of the small block off M-129.

## **Survey Needs:**

None at this time.

#### **Recreational Facilities and Opportunities:**

There are no recreation trails in the compartment. There are a few pull-offs for parking to hunt waterfowl, the main recreation in the compartment. Deer hunting is another primary use. There are some great areas for bow hunting in particular. Bird watching activities also take place here in all seasons as many species migrate and nest.

#### **Fire Protection:**

Access and water sources are not a problem here. The fields are periodically burned in a safe manner. Structure protection is a minor concern when prescribed burning occurs.

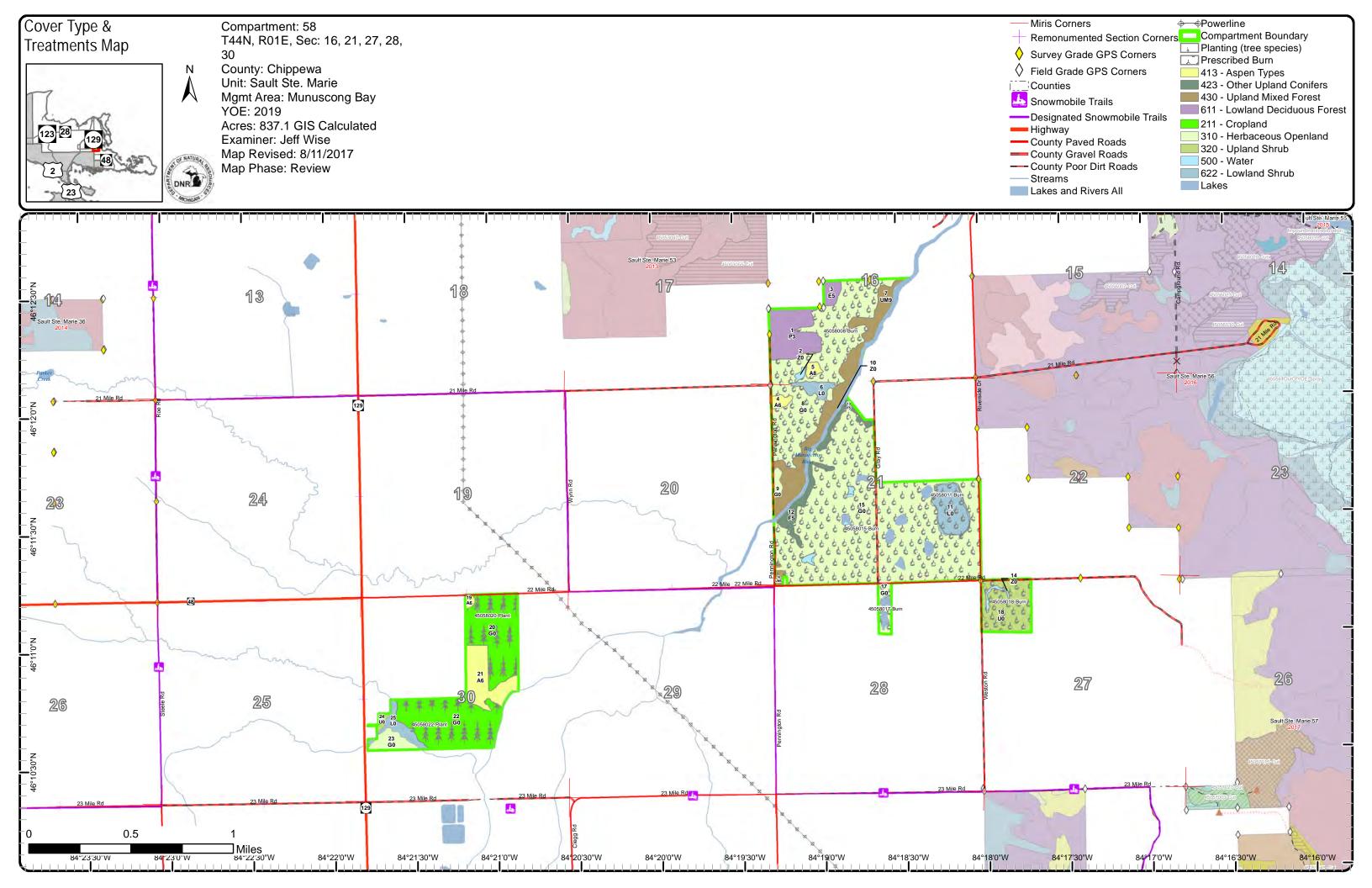
#### **Additional Compartment Information:**

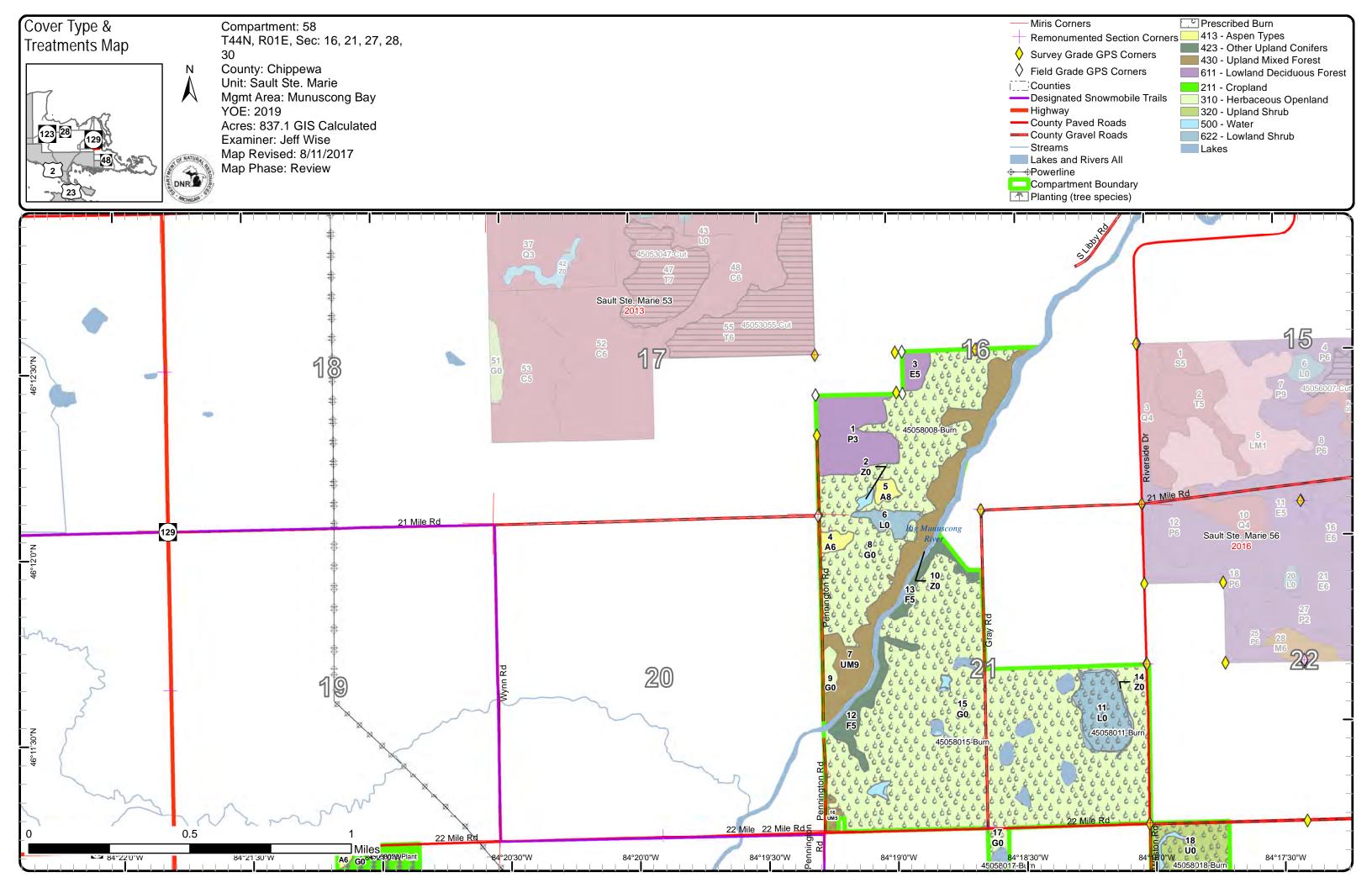
The following reports from the Inventory are attached:

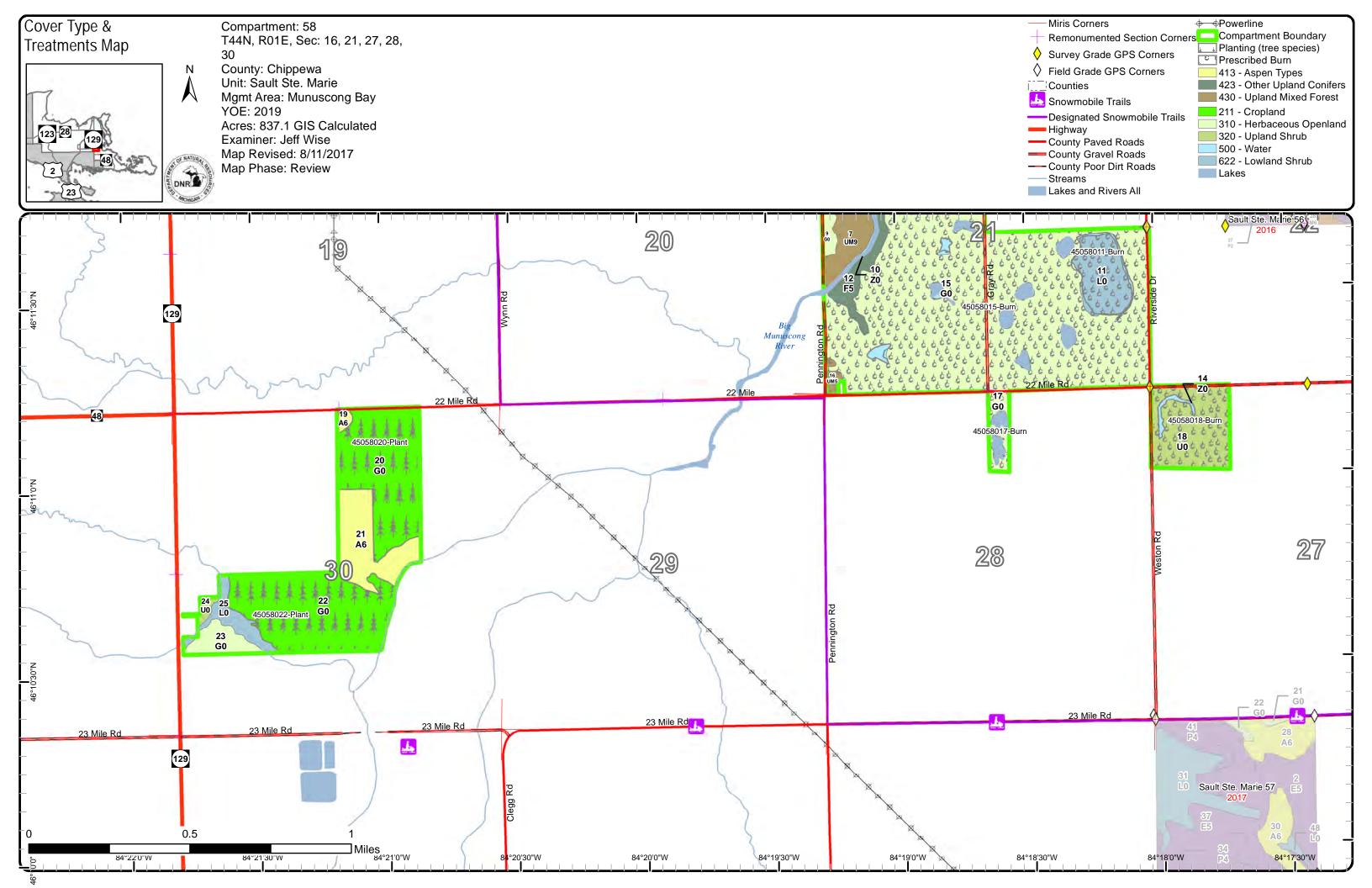
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

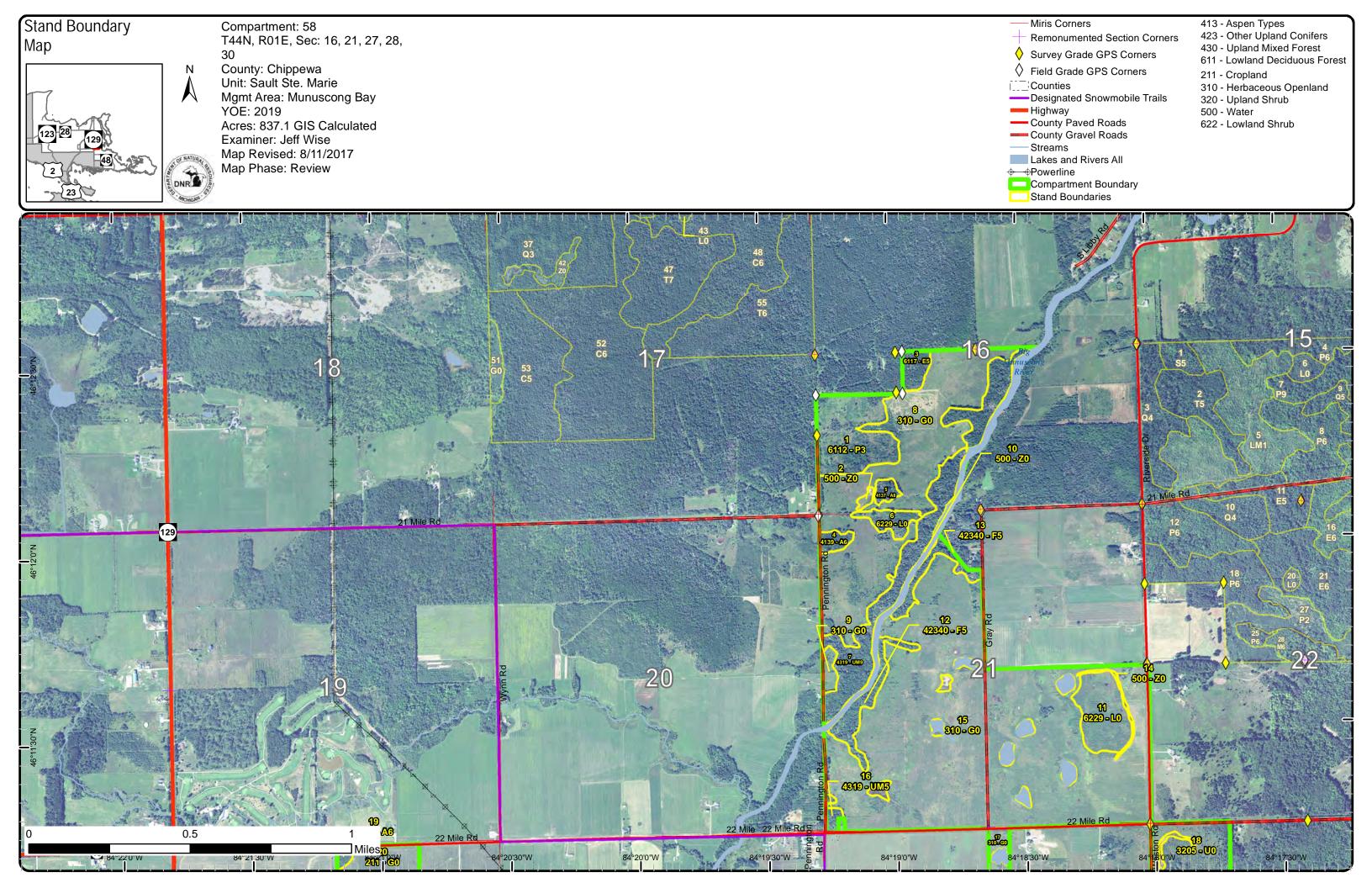
The following information is displayed, where pertinent, on the attached compartment maps:

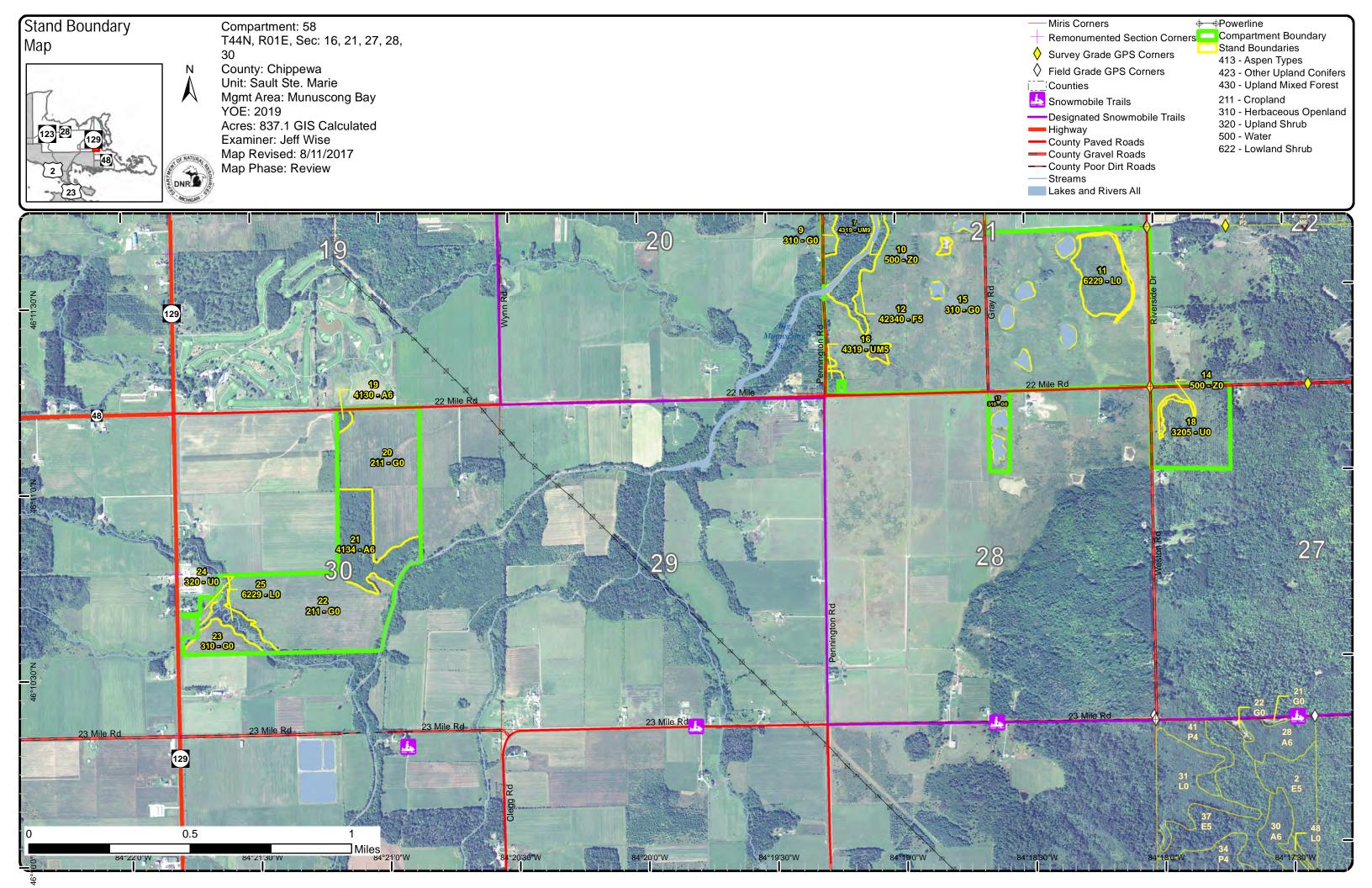
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

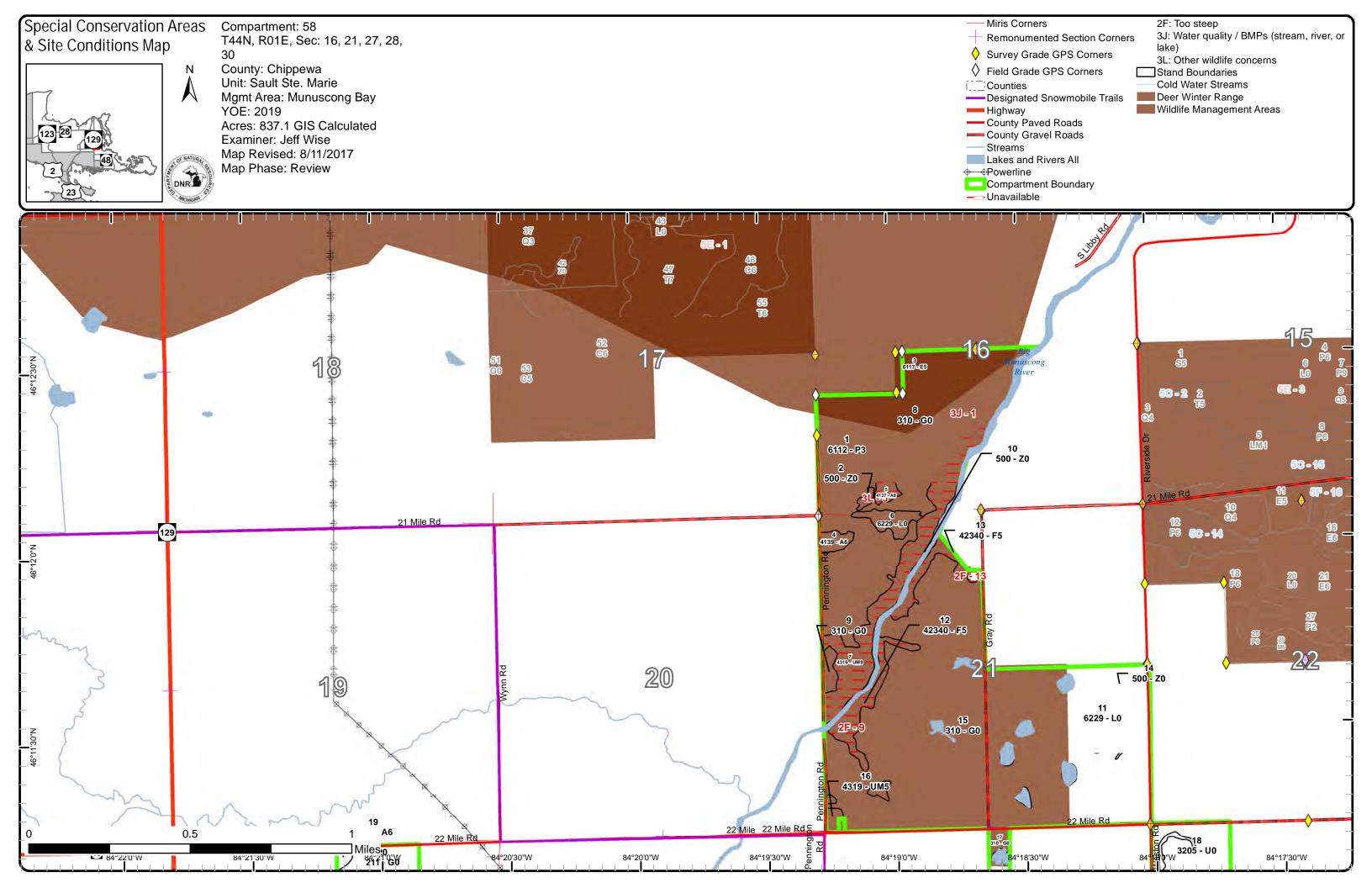


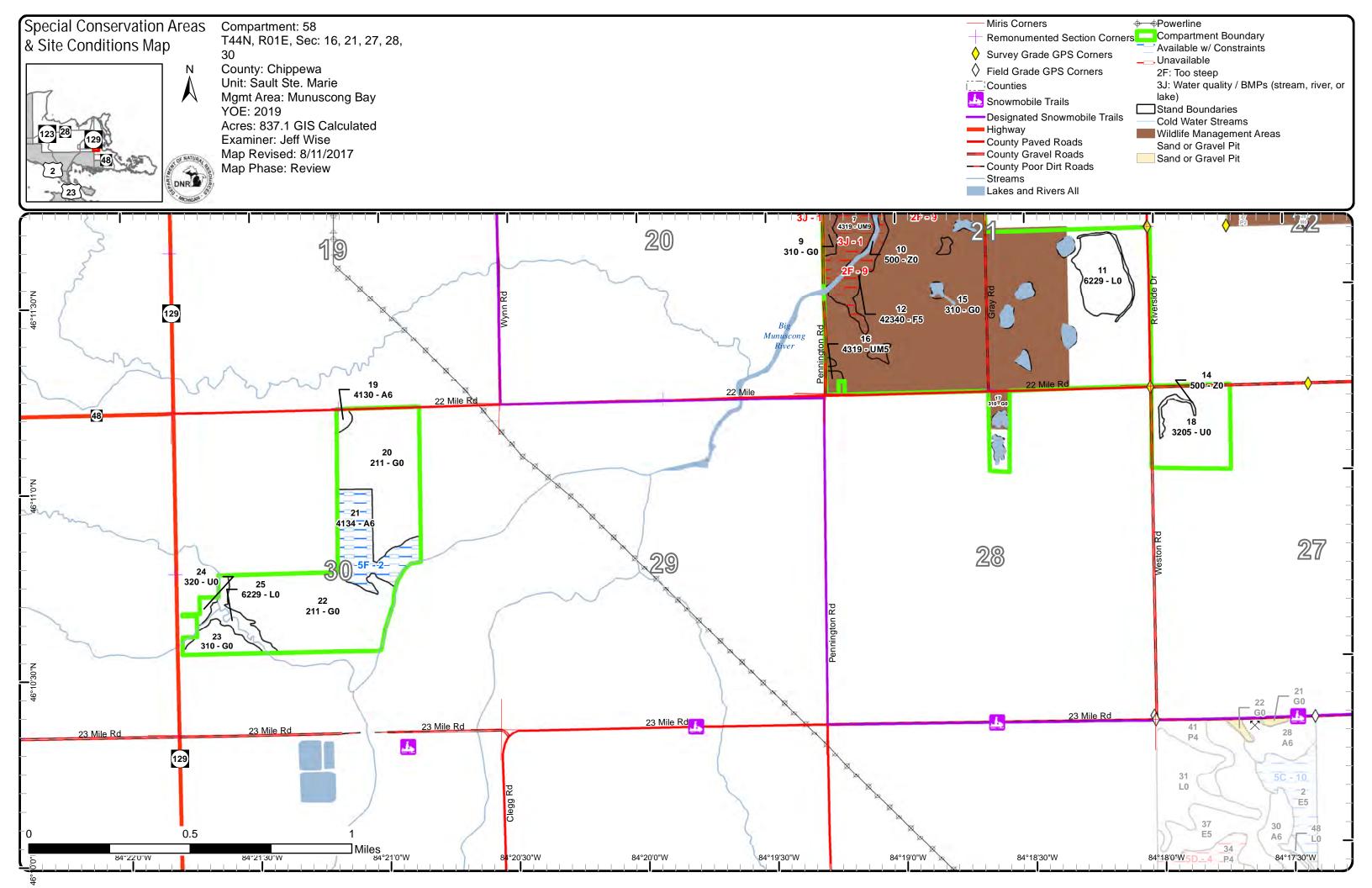












Sault Ste. Marie Mgt. Unit

Jeff Wise: Examiner

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#### Age Class

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Aspen	0	0	0	0	34	0	0	3	0	0	0	0	0	0	0	0	0	0	37	
Cropland	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	
Herbaceous Openland	455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	455	
Lowland Aspen/Balsam Poplar	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
Lowland Deciduous	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6	
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	
Upland Mixed Forest	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	0	0	55	
Upland Shrub	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	
Upland Spruce/Fir	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20	
Water	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
Total	687	34	0	0	34	6	0	78	0	0	0	0	0	0	0	0	0	0	839	



# **Report 2 – Treatment Summary**

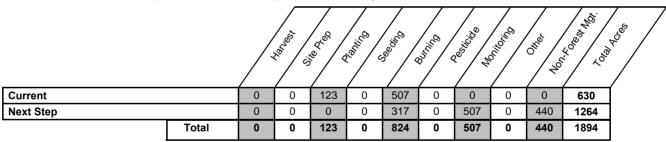
Sault Ste. Marie Mgt. Unit Year of Entry: 2019

#### **Acres of Harvest**

Compartment 58
Total Compartment Acres: 837

Commercial Harvest Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

# **Proposed and Next Step Treatments by Method**



Sault Ste. Marie Mgt. Unit Report 3 -- Treatments Compartment: 58 s Year of Entry: 2019 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Method Objective Structure Status Name CoverType Density Age Range Type d 3105 - Mixed 8 45058008-122.6 310 - Herbaceous Nonstocked Unspec Burn Opening Proposal Burn Openland ified Upland Herbaceous **Habitat Cut: No Site Condition:** Prescription Burn or brush hog for opening maintenance for the grassland and wetland habitats to benefit species like sharp-tailed grouse and mallards. Maintain the existing pond as necessary. Specs: Next Step Monitoring, Other - Specify **Treatments:** <u>Acceptable</u> Regen: Other Comment: **Proposed Start Date:** 10/01/2017 11 45058011-6229 - Mixed 20.7 6229 - Mixed Proposal Nonstocked Unspec Burn Opening lowland shrub ified lowland shrub Burn **Habitat Cut: No Site Condition:** Prescription Burn or brush hog with stand 11 for opening maintenance. Specs: Next Step Monitoring, Other - Specify Treatments: **Acceptable** Regen: **Other** Comment: Proposed Start Date: 10/01/2018 15 45058015-317.2 310 - Herbaceous Nonstocked 310 -Draft Field Unspec Burn Opening Burn Openland ified Herbaceous Boundary Openland **Habitat Cut: No Site Condition:** Prescription Burn as per the FTP and Burn Plan. Specs: Burn, Opening; Monitoring, Other - Specify; NonForestMgt, Brush Cutting Next Step Treatments: Acceptable

Regen:

East side of Gray Rd burned in 2015, west side needs treatment. Other

Comment:

04/01/2017 **Proposed Start Date:** 

17 45058017-7.5 310 - Herbaceous Nonstocked Unspec Burn Opening 310 -Proposal Herbaceous Burn Openland ified Openland

**Habitat Cut: No Site Condition:** 

Prescription Burn, mechanical management, or other appropriate method for opening maintenance to benefit waterfowl, grassland birds, and other wildlife.

Specs:

Monitoring, Other - Specify Next Step

**Treatments:** 

Acceptable Regen:

Other Comment:

**Proposed Start Date:** 10/01/2017

Sault Ste. Marie Mgt. Unit Report 3 -- Treatments Compartment: 58 s Year of Entry: 2019 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Approval Age n Method Objective Density Structure Status d Name CoverType Age Range Type 45058018-38.7 3205 - Mixed Burn 320 - Upland 18 Nonstocked Unspec Opening Proposal Burn **Upland Shrub** ified Shrub **Habitat Cut: No Site Condition:** 

<u>Prescription</u> Burn, mechanical management, or other appropriate method for opening maintenance to benefit waterfowl, grassland birds, and other wildlife. <u>Specs:</u>

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Regen:
Other

Comment:

Proposed Start Date: 10/01/2017

20 45058020- 56.4 211 - Cropland Nonstocked Unspec Planting Initial Plant 2114 - Other Proposal ified Cropland

Habitat Cut: No Site Condition:

Prescription Plant for geese and other wildlife.

Specs:

Next Step NonForestMgt, Other - Specify

**Treatments:** 

Acceptable forage for wildlife

Regen: Other

Comment:

Proposed Start Date: 10/01/2017

22 45058022- 66.6 211 - Cropland Nonstocked Unspec Planting Initial Plant 2114 - Other Proposal ified Cropland

Habitat Cut: No Site Condition:

<u>Prescription</u> Burn, mechanical management, or other appropriate method for opening maintenance to benefit waterfowl, grassland birds, and other wildlife.

Specs: Consider planting for waterfowl and other wildlife.

Next Step NonForestMgt, Other - Specify

**Treatments:** 

Acceptable Forage for wildlife

Regen:
Other
Comment:

Proposed Start Date: 10/01/2017

Total Treatment 629.7 Acreage Proposed:

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Availa	Availability for Management									
Total	Acres	Acres Avail	Acres	C	ominant Site Condition					
Acres	Available	With Condition	Not Available		5F	2F	3J	3L		
36	5	28	3	Aspen	28			3		
123	123	0	0	Cropland						
455	455	0	0	Herbaceous Openland						
34	34	0	0	Lowland Aspen/Balsam Poplar						
6	6	0	0	Lowland Deciduous						
38	38	0	0	Lowland Shrub						
54	3	0	51	Upland Mixed Forest			51			
41	41	0	0	Upland Shrub						
20	0	0	20	Upland Spruce/Fir		20				
30	30	0	0	Water						
837	734	28	74	Total Forested Acres	28	20	51	3		
-	88%	3%	9%	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
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	52	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Available	5F: Evaluated for Forest Health Considerations	28	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3L: Other wildlife concerns	3	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments:						
							DEED

# **Report 4 – Site Conditions**

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9	Unavailable	2F: Too steep	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:						
13	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



## Report 5 - 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				

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# Report 6 – 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.

Conservation Area	і Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen constocked trout populations and those of other coldwater fish spe year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	cies (e.g., slimy sculpin) to persist from lese conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wild and Waterfowl Production Areas, deer wintering complexes in I openings and savannas. Habitat areas are distinct from critical endangered or threatened species (such as Kirtland's warbler of general in nature, are not primarily associated with threatened covered by species recovery plans that are developed in cooper	owland conifer communities, grassland habitat designated for recovery of or piping plover areas) in that they are more or endangered species, and are not

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S t	Sault Ste. Marie	e Mgt. Unit		Report 7	- Forested	Stands Compartment: 58 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6112 - Lowland Aspen	Sapling Well	33.9	5	Immature	Sale 001-09, clearcut with reserves: pine, hemlock, oak, yellow birch, cedar, elm, and some maple, and w spruce over 12 inch DBH reserved. 2016- regenerating nicely.
3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	5.9	41	1-50	Not merchantable or manageable, nothing but Tag alder, brush, and scattered white birch, spruce and balsam, aspen and balm.
4	4139 - Aspen, Mixed Deciduous	Poletimber Well	3.6	37	51-80	Just made pole size this YOE
5	4137 - Aspen, Birch	Sawtimber Medium	2.9	64	51-80	Only a couple of acres in the middle of the field and contains the head of a gully heading toward the river, nice little sanctuary.
7	4319 - Mixed Upland Forest	Sawtimber Well	51.5	64	51-80	Unique and scenic strip of timber along the river, steep banks, quite a mix of aspen, large white spruce, black ash and elm, no cut ever, erosion hazard, scattered cedar.
12	42340 - Upland Spruce/Fir	Poletimber Medium	12.4	64	51-80	Riparian buffer
13	42340 - Upland Spruce/Fir	Poletimber Medium	7.7	64	51-80	Same as 12, but more white spruce and white pine on top of flood plain.
16	4319 - Mixed Upland Forest	Poletimber Medium	2.6	64	51-80	Small forested stand which was the site of the homestead farmhouse. Foundation remains as well as large willow trees.
19	4130 - Aspen	Poletimber Well	1.7	37	Unspecified	Small A6 stand,( barely), near 22 Mile Rd, manage with 21.
21	4134 - Aspen, Spruce/Fir	Poletimber Well	28.3	37	51-80	Was two stands, much alike, A6, ( barely), separated by tractor path. Evaluated for SBW.
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Stand	Cover Type	Acres	Managed Site	General Comments:
2	500 - Water	1.3	No	
6	6229 - Mixed lowland shrub	6.4	Yes	Tag alder filled ditch leading to a gully and draining toward the river, partially brushed out in 2006 by Wildlife Div, could be burned with the fields if desired, however the gully could be an erosion hazard, burn only the area level with the fields.
8	310 - Herbaceous Openland	122.6	Yes	Heavy, tall grasses, needs maintenance, good corner control on north side, gully on NE side could erode easily. Was several stands in OI.
9	310 - Herbaceous Openland	3.6	No	Small field along the road, not much use for it but could use maintenance.
10	500 - Water	10.6	No	MUNUSCONG RIVER
11	6229 - Mixed lowland shrub	21.6	No	Largest grass/upland brush stand in the comp. Willow and tag alder with many ponds within. Burned in 2015. An FTP ongoing for treatments as funding allows.
14	500 - Water	18.0	No	Combination of all the ponds created for wildlife.
15	310 - Herbaceous Openland	311.6	No	Largest grass/upland brush stand in the comp. Willow and tag alder with many ponds within. Burned occasionally. An FTP ongoing for treatments as funding allows.
17	310 - Herbaceous Openland	7.5	Yes	Burned in 2003, contains two ponds.
18	3205 - Mixed Upland Shrub	38.7	Yes	Filling in with brush and wet, contains a pond, illegal deer blind in SE corner.
20	211 - Cropland	56.4	Yes	Grass is low and has not grown fallow, could be mowed if not burned, good deer browsing and sharp tails, actually two fields connected by a tractor trail, travel influence on 22 Mile Rd also, slight erosion hazard at south end near the river.
22	211 - Cropland	66.6	Yes	Grass is low and good for deer browsing and sharp tails, could be mowed if not burned.
23	310 - Herbaceous Openland	9.8	Yes	Grass is low and good for deer browse and sharp tails, could be mowed if not burned.
24	320 - Upland Shrub	2.1	No	Contains the easement off M-129 to this area of state land.
25	6229 - Mixed lowland shrub	9.8	Yes	Floodplain with tag alder with upland types and mature aspen on upper slopes, erosion hazard.