



# Compartment Review Presentation

## Sault Ste. Marie Forest Management Unit

Compartment 45163

Entry Year 2018

Acreage: 1,501

County Mackinac

Management Area: Mackinac Mix

**Revision Date:** 2016-07-29

**Stand Examiner:** Cory Luoto

### Legal Description:

T43N, R9W Sec. 13 & 14 – Garfield Township

T43N R8W Sec. 18 – Hudson Township

### Identified Planning Goals:

Compartment 163 is located northeast of Naubinway and just south of Gilchrist. This compartment is predominately red pine, while other types include, northern hardwoods, aspen, white pine, spruce – fir, other lowlands, and a few grassy openings. The aspen, and spruce – fir types are regenerating nicely and the hardwood needs regular treatment to promote health and growth. The majority of the pine was treated in the last ten years and it is ready again. Most of the swamp conifer stands will not be managed this year of entry. The northern hardwood types within the compartment not treated in the last decade have been proposed for a selection harvest. Some beech bark disease is present and stands will be marked and harvested according to the guidelines for management of the disease. A conifer component will be retained in all the northern hardwood stands where species are present.

### Soil and topography:

The majority of the compartment is composed of nearly level and undulating areas on outwash plains and lake plains, with some gently rolling and rolling areas to very steep areas. Associated soils within this area are Wallace sand, Paquin sand, Paquin-Spot complex, and Paquin-Finch sands. The depressions and nearly level areas on lake plains and outwash plains consist of Markey-Spot-Finch complex.

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

The west and north edges of the compartment are bordered by state land. The southern edge is bordered by both state and private land. The eastern edge has a few large private land owners. The road into the Black River State Forest Campground goes through a small piece of private land. Most of the private land holding are primarily hunting camps.

### Unique Natural Features:

Potential for raptors to nest in the compartment exists and care will be taken to check stands for nests and take appropriate management action to protect the species. There is a potential for some rare, threatened, and special concern plant and animal species to inhabit 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:

The Black River State Forest Campground is built on the site of an old shingle mill that was run in the late 1800's. Also there is evidence of old dams along the river that were used to float logs down to the saw mill that used to be at the mouth of the river.

### Special Management Designations or Considerations:

The potential exists for red-shouldered hawks in this area. If active nests are found, appropriate buffers and harvest timing limitations will be placed. The southern half of the compartment is considered an SCA. It is a deer wintering complex.

### Watershed and Fisheries Considerations:

JMB: This Compartment contains Peters Creek (Type 1 Trout Stream – No Fish Data) and Black River (Type 4 Trout Stream). Priority for Peter's Creek includes a 100' buffer to ensure sediment from upland sources does not reach the stream channel. The Black River supports Brook Trout as well as Rainbow Trout and Pacific Salmon (natural reproduction). Priorities for the Black River include keeping beaver densities low and providing a 300' buffer strip to ensure that sediment from upland sources does not reach the stream channel.

### Wildlife Habitat Considerations:

This compartment is part of the Mackinac Mix Management Area where featured wildlife species include black bear, pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. Peters Creek and Black River are major features within this compartment. Red pine plantations dominate the landscape. Other ecosystems include northern

hardwoods, hemlock, aspen, grass, and swamp conifers. Most treatments will take place in red pine stands. Diversity should be maintained in treated pine stands where possible by retaining other species. In harvest areas near riparian zones or lowland conifer cover, brush pile creation should be encouraged during normal harvesting operations by processing or limbing in piles. Follow Management Area guidelines for snowshoe hare when applying herbicide. Other types, including riparian areas, will be maintained for this entry. Riparian areas should be left to protect the streams and provide travel corridors for bear, deer, and other wildlife. Aspen and hardwood stands will generally be left, and will benefit bear, ruffed grouse, hare, and pileated woodpeckers among other species.

### **Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 50 and 100 feet. The Silurian Engadine and Manistique Groups subcrop below the glacial drift. The Engadine is quarried for stone/limestone nine miles to the northeast. A sand pit is located in Section 7. Gravel pits are not located in the area and potential appears to be limited. There is no current economic oil and gas production in the UP.

### **Vehicle Access:**

The vehicle access is very good through most of the compartment. The Black River Road is a good county gravel road and provides access to the east. The Peter's Creek, No Name, Ledge and Ridge Roads are DNR maintained good dirt roads. These provide good access to the west and central areas of the compartment.

### **Survey Needs:**

None Needed.

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

The compartment has the Black River State Forest Campground. The campground is a maintained rustic campground with and provides excellent stream fishing opportunities along the river. The compartment as a whole provides fishing, hunting, trapping and hiking opportunities. There is a cross country ski trail just north of this compartment.

### **Fire Protection:**

While the opportunity exists for wildfires within the compartment, none have been noted in recent years. Certainly the fuel types (pine) within the compartment are conducive to wildfires and the potential exists for a fire start, however this area is close to the Naubinway Office and has good vehicle access throughout most of the compartment. There is also the possibility of fire starts from the campground and people fishing along the river.

### **Additional Compartment Information:**

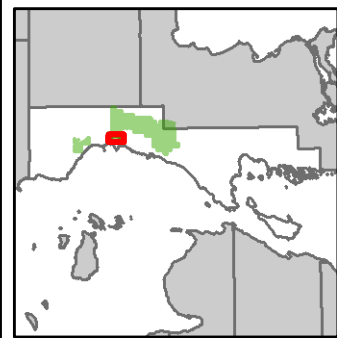
The following reports from the Inventory are attached:

- 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:

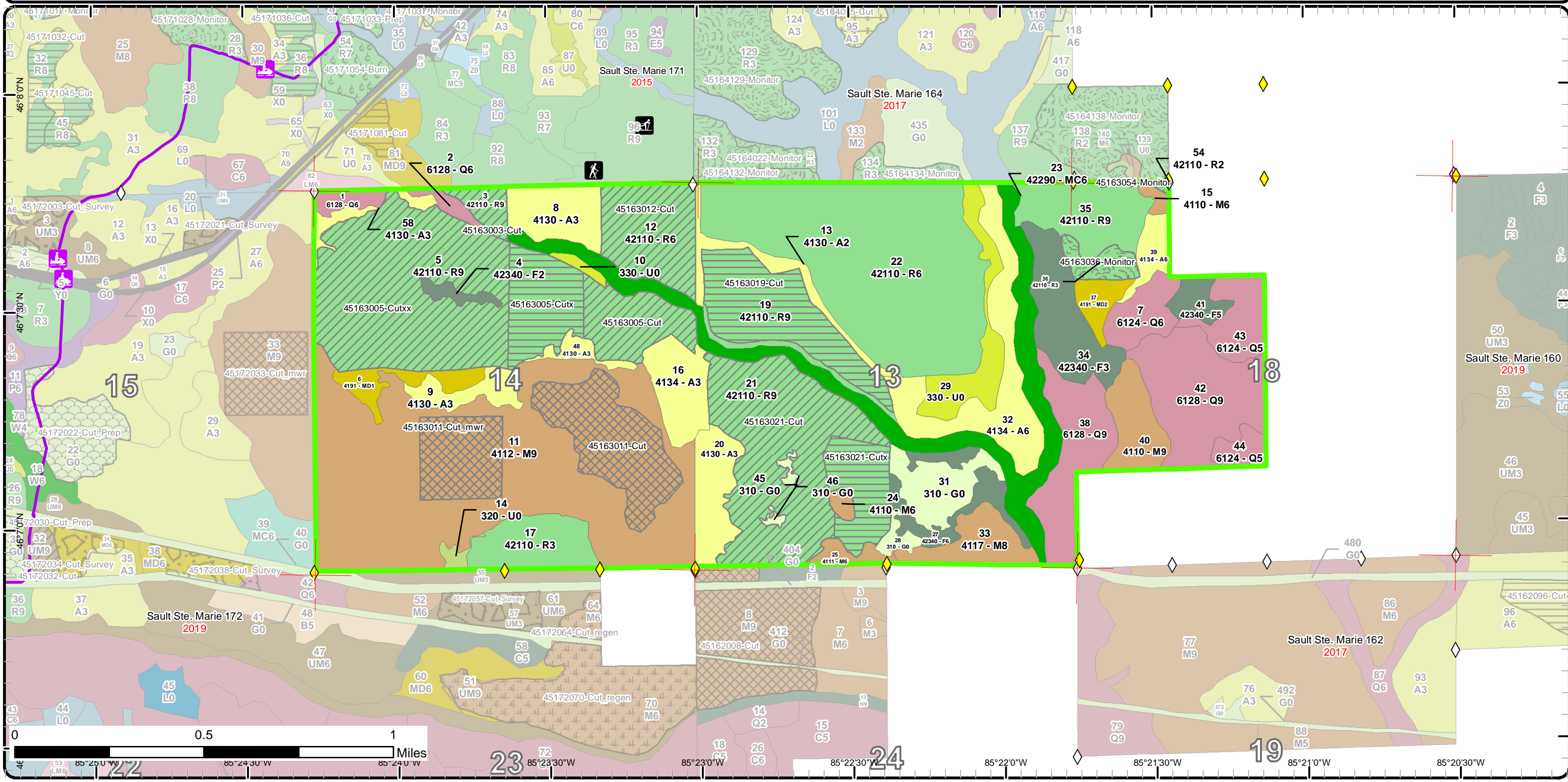
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

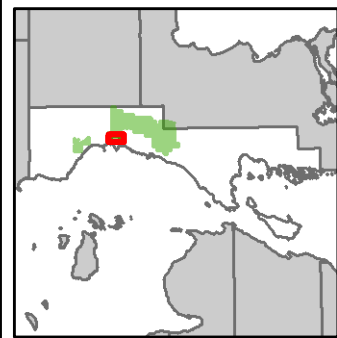


Compartment: 163  
 T43N, R08W, Sec: 18  
 T43N, R09W, Sec: 13-14  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: Mackinac Mix  
 YOE: 2018  
 Acres: 1,501 GIS Calculated  
 Examiner: Cory Luoto  
 Map Revised: 12/6/2016  
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Snowmobile Trails
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Monitoring
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees

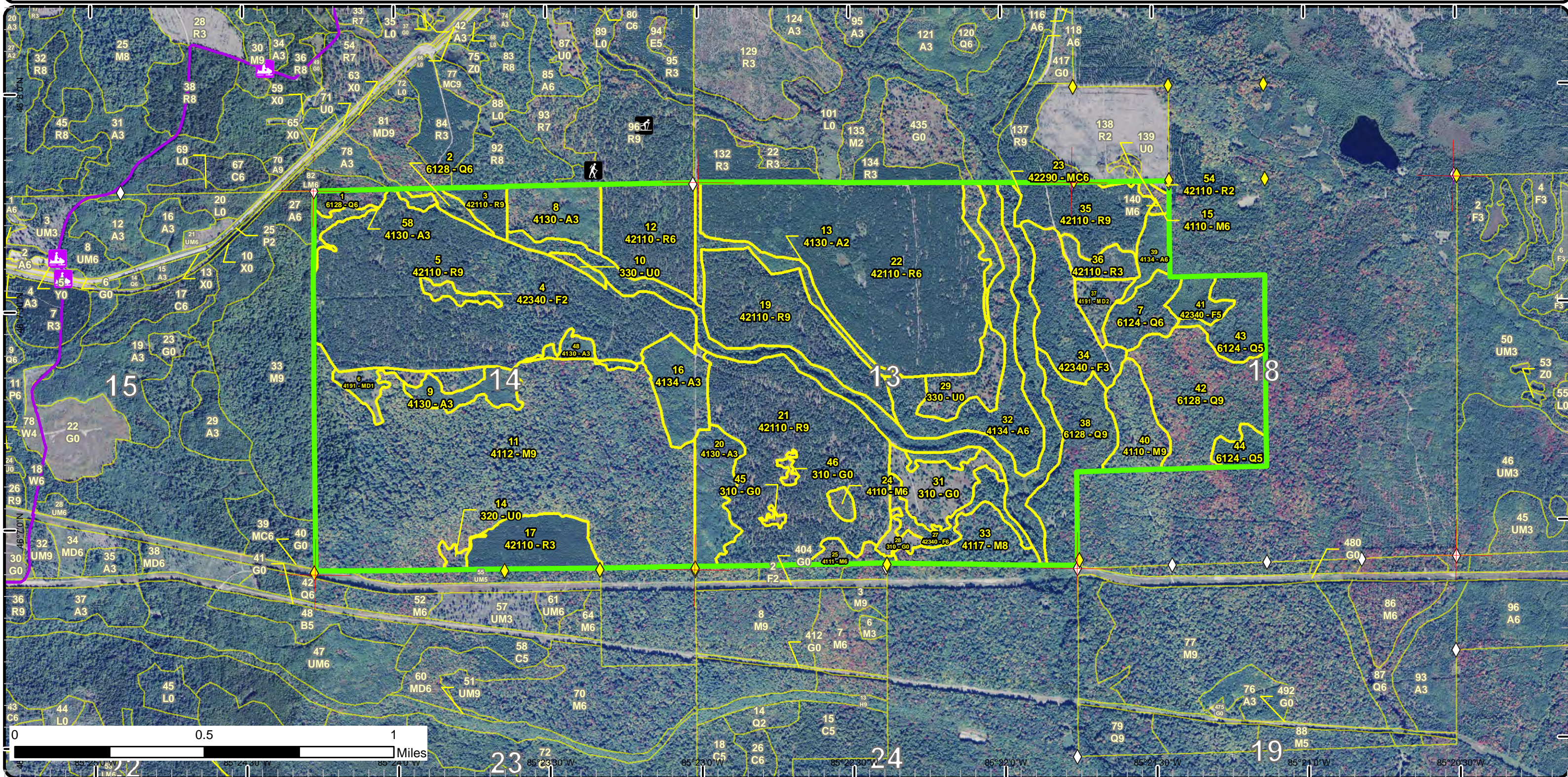


# Stand Boundary Map



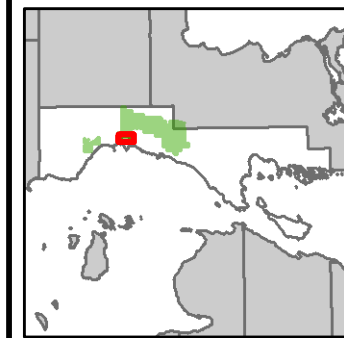
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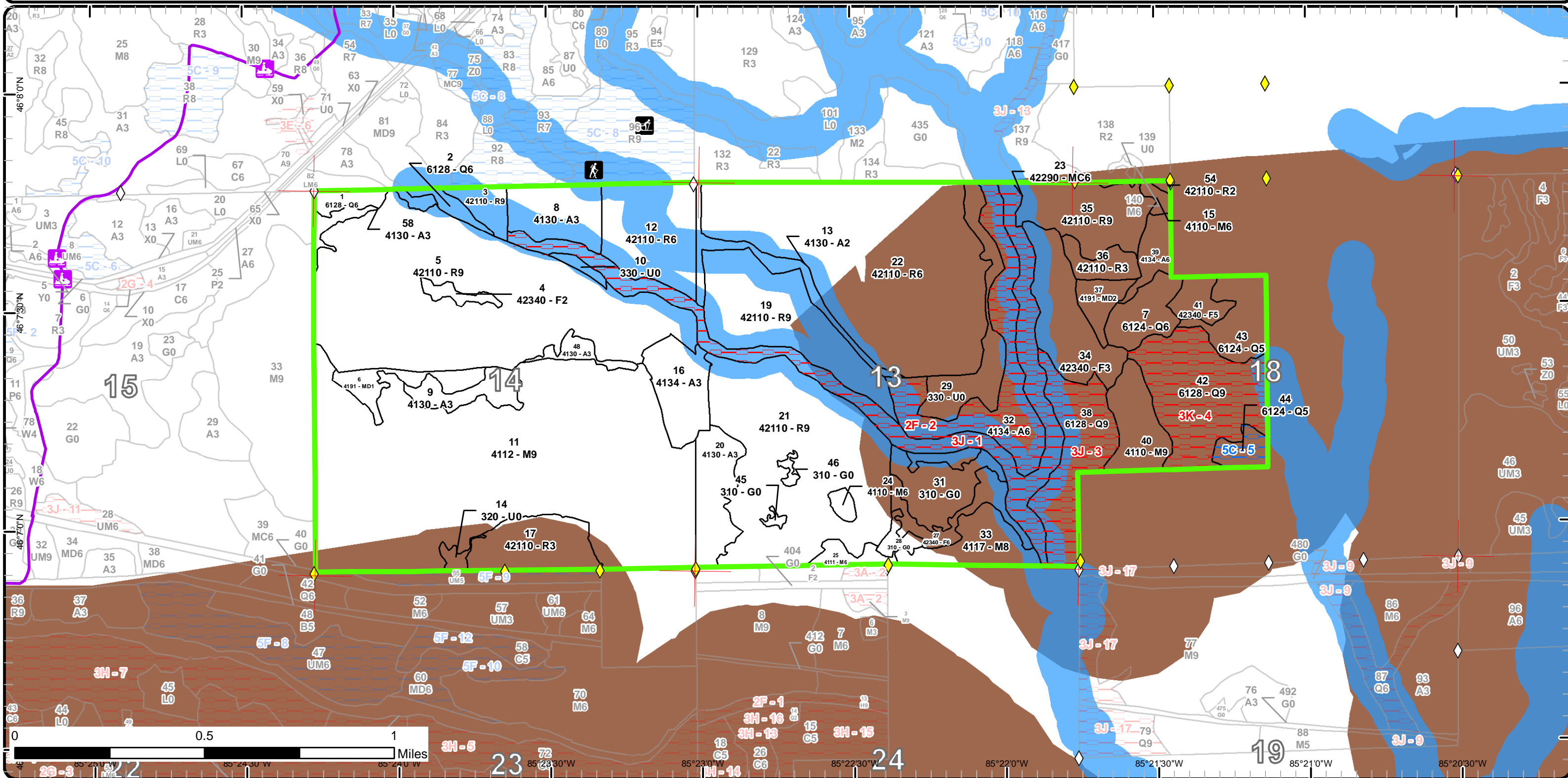


# Special Conservation Areas & Site Conditions Map

Compartment: 163  
 T43N, R08W, Sec: 18  
 T43N, R09W, Sec: 13-14  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: Mackinac Mix  
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- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Snowmobile Trails
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 3K: Rare or unique landforms
- Stand Boundaries
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	6	29	72	9	0	48	0	0	0	0	0	0	0	0	0	0	0	163
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Low-Density Trees	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Conifers	0	0	0	0	0	0	0	42	13	0	0	0	96	0	0	0	0	0	150
Mixed Upland Deciduous	0	0	0	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Natural Mixed Pines	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	70
Northern Hardwood	0	0	0	0	0	0	3	21	9	299	0	0	0	0	0	0	0	0	330
Red Pine	0	10	0	189	0	0	185	33	228	0	0	0	0	0	0	0	0	0	645
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Spruce/Fir	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	65
<b>Total</b>	<b>58</b>	<b>16</b>	<b>29</b>	<b>274</b>	<b>83</b>	<b>0</b>	<b>48</b>	<b>188</b>	<b>96</b>	<b>320</b>	<b>299</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1501</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2018

Compartment 163  
Total Compartment Acres: 1,501

### Acres of Harvest

Commercial Harvest - 487  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	80	0	0	0	0	0	0	0	80
Red Pine	107	0	0	0	0	300	0	0	0	407
<b>Total</b>	<b>107</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>487</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	487	0	0	0	0	0	10	0	0	497
Next Step	0	138	107	0	107	245	294	0	0	891
<b>Total</b>	<b>487</b>	<b>138</b>	<b>107</b>	<b>0</b>	<b>107</b>	<b>245</b>	<b>305</b>	<b>0</b>	<b>0</b>	<b>1389</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	45163003-Cut	8.3	42110 - Planted Red Pine	Sawtimber Well	81	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

5	45163005-Cut	28.1	42110 - Planted Red Pine	Sawtimber Well	63	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

5	45163005-Cutx	31.5	42110 - Planted Red Pine	Sawtimber Well	63	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clear cut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges.

Specs:

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Herbicide Use; Pesticide, Aerial;

Treatments: Pesticide, Skidder/Mechanical

Acceptable Red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

5	45163005-Cutxx	125.0	42110 - Planted Red Pine	Sawtimber Well	63	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
11 45163011-Cut	49.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	92	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood, basswood and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern Hardwoods

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

11 45163011-Cut_mwr	30.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	92	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Group selection harvest conducted by Mike Walter's research team. Stand will have a follow up treatments herbicide and scarification. Retain some beech with the smooth bark and wildlife trees. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse for wintering deer.

Specs:

Next Step Pesticide, Hand Application; SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable maple, cherry, beech, paper and yellow birch, balsam fir, spruce, aspen and hemlock.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2016

12 45163012-Cut	40.4	42110 - Planted Red Pine	Poletimber Well	81	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

19 45163019-Cut	50.7	42110 - Planted Red Pine	Sawtimber Well	85	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clear cut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges.

Specs:

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Herbicide Use; Pesticide, Aerial;

Treatments: Pesticide, Skidder/Mechanical

Acceptable Red pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	45163021-Cut	98.0	42110 - Planted Red Pine	Sawtimber Well	81	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

21	45163021-Cutx	25.1	42110 - Planted Red Pine	Sawtimber Well	81	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Clear cut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial

Specs: spraying of the stand for release and pest management so all retention must be along the edges.

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Herbicide Use; Pesticide,  
Treatments: Skidder/Mechanical; Pesticide, Aerial

Acceptable Red Pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

36	45163036-Monitor	9.1	42110 - Planted Red Pine	Sapling Well	8	Immature	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Monitor for pests.

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

54	45163054-Monitor	1.3	42110 - Planted Red Pine	Sapling Medium	6	Immature	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Monitor for Pests.

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
Acreage Proposed: 497.3**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cory Luoto : Examiner

Compartment: 163

Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	2F	3J	3K
		With Condition	Not Available					
163	115	0	48	Aspen		48		
28	28	0	0	Herbaceous Openland				
27	27	0	0	Low-Density Trees				
149	46	8	96	Lowland Conifers	8		40	56
21	21	0	0	Mixed Upland Deciduous				
70	0	0	70	Natural Mixed Pines			70	
331	331	0	0	Northern Hardwood				
645	644	0	0	Red Pine			0	
3	3	0	0	Upland Shrub				
65	65	0	0	Upland Spruce/Fir				
1,501	1,280	8	214	Total Forested Acres	8	48	110	56
	85%	1%	14%	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)	70	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2F: Too steep	48	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Sault Ste. Marie Mgt. Unit

Cory Luoto : Examiner

Compartment: 163

Year of Entry: 2018

4	Unavailable	3K: Rare or unique landforms	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	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
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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.

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

Conservation Area	Type	Description
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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.0	71	81-110	Typical Mackinac Mix - Look at final harvest with stands in adjacent compartments.
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	4.5	81	81-110	Stream corridor.
42110 - Planted Red Pine	Sawtimber Well	8.3	81	141-170	Stand is ready to be thinned.
42340 - Upland Spruce/Fir	Sapling Medium	4.1	31	1-50	Mixed Spruce and Balsam most under 4"
42110 - Planted Red Pine	Sawtimber Well	184.6	63	141-170	Portions of the stand can be thinned and we can final harvest the thinner area of the stand.
4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	12.5	25	Immature	Stand was typed as upland brush last entry. It is now a forested stand.
6124 - Lowland Spruce- Fir	Poletimber Well	16.2	72	81-110	Smaller diameter Mackinac Mix stand. Look at final harvest next entry.
4130 - Aspen	Sapling Well	23.1	27	Immature	Some scattered balsam. Nice aspen stand
4130 - Aspen	Sapling Well	12.4	23	Immature	Aspen regen doing well stems are quite dense
4112 - Maple, Beech, Cherry Association	Sawtimber Well	278.5	92	81-110	Nice Hardwood Logs - Stand thinned in 1999 and 2009. The eastern portion can be thinned again. Some areas were not cut in 1999.
42110 - Planted Red Pine	Poletimber Well	40.4	81	111-140	Stand is ready to be thinned again. Final harvest next entry.
4130 - Aspen	Sapling Medium	13.0	24	Immature	This was a fire line when the adjacent stand were burned. It is now forested.
4110 - Sugar Maple Association	Poletimber Well	2.7	86	81-110	Small ridge of hardwood.
4134 - Aspen, Spruce/Fir	Sapling Well	23.0	27	1-50	Nice aspen stand. Balsam heavier towards the north. It will be a pole stand next entry.
42110 - Planted Red Pine	Sapling Well	26.8	22	Immature	Stand is almost a pole stand. It is doing really good.
42110 - Planted Red Pine	Sawtimber Well	56.3	85	141-170	Stand is ready for final harvest . Buffer the creek.
4130 - Aspen	Sapling Well	22.6	17	Immature	

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## Sault Ste. Marie Mgt. Unit

## Report 7 – Forested Stands

Compartment: 163  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	42110 - Planted Red Pine	Sawtimber Well	123.1	81	141-170	Stanned thinned last entry. Portions can be thinned again and the eastern side could be clear cut.
22	42110 - Planted Red Pine	Poletimber Well	161.9	24	51-80	sStand has just transitioned into a pole stand.
23	42290 - Natural Mixed Pine	Poletimber Well	70.1	81	111-140	Peter Creek and Black Creek Corridor
24	4110 - Sugar Maple Association	Poletimber Well	2.8	62	81-110	Small Island of Sugar Maple in Pine plantation. It was thinned last entry.
25	4111 - S.Maple, Hard Mast Association	Poletimber Well	5.8	89	51-80	Maple and beech stand surrounded by pine plantation. Stand was thinned last entry.
27	42340 - Upland Spruce/Fir	Poletimber Well	18.0	30	51-80	Stand was typed as an upland brush stand last entry. It is a full forested stand now.
32	4134 - Aspen, Spruce/Fir	Poletimber Well	47.7	58		Stand has some very steep hills throughout. Many gullies leading to Black River and Peters Creek.
33	4117 - Mixed N. Hardwood - Pine	Sawtimber Medium	20.1	98	51-80	Stand was shelterwood cut last entry. Tons of beech regeneration.
34	42340 - Upland Spruce/Fir	Sapling Well	34.1	39	51-80	pretty much the same as pre inv stand 37, except a denser canopy.
35	42110 - Planted Red Pine	Sawtimber Well	32.9	76	141-170	Nice poles in stand. It was thinned last entry.
36	42110 - Planted Red Pine	Sapling Well	9.1	8	Immature	
37	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	8.8	39	1-50	Upland Mackinac Mix Stand , quite variable.
38	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	39.7	124		Lowland cedar and hemlock stand with some red maple. Nice stand along Black River corridor.
39	4134 - Aspen, Spruce/Fir	Poletimber Well	9.3	38	51-80	Spruce and balsam scattered through the stand.
40	4110 - Sugar Maple Association	Sawtimber Well	21.0	77	81-110	Stand was recently thinned last entry.
41	42340 - Upland Spruce/Fir	Poletimber Medium	8.7	36	51-80	Spotty Spruce, fir and tamarack stand
42	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	55.8	127	81-110	Nice Hemlock Stand



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Sault Ste. Marie Mgt. Unit

## Report 7 – Forested Stands

Compartment: 163  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>43</b>	6124 - Lowland Spruce- Fir	Poletimber Medium	19.5	77	51-80	Wet Spruce and balsam, scattered soft maple.
<b>44</b>	6124 - Lowland Spruce- Fir	Poletimber Medium	7.6	83	51-80	Wet spruce and balsam, spotty stand.
<b>48</b>	4130 - Aspen	Sapling Well	5.7	8	Immature	Stand was cut last entry. Aspen regeneration is doing great
<b>54</b>	42110 - Planted Red Pine	Sapling Medium	1.3	6	Immature	Red pine is doing well. Part of a larger stand in compartment to the north. Monitor for release and pests.
<b>58</b>	4130 - Aspen	Sapling Well	6.4	16	1-50	Small aspen clearcut taken out of stand in 2000. The sale was less than 2 acres.



Stand	Cover Type	Acres	Managed Site	General Comments:
10	330 - Low-Density Trees	2.4	No	
14	320 - Upland Shrub	2.6	No	
28	310 - Herbaceous Openland	4.1	No	
29	330 - Low-Density Trees	24.1	No	
31	310 - Herbaceous Openland	21.2	No	
45	310 - Herbaceous Openland	1.0	No	
46	310 - Herbaceous Openland	1.5	No	