



**Sault Ste Marie Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment #139**                      **Entry Year: 2014**  
**Compartment Acreage: 1,742**        **County: Mackinac**

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**Revision Date:** 7/10/2012

**Stand Examiner:** Matt Edison

**Legal Description:** T43N-R7W, Sections 22, 23 and 27

**RMU (if applicable):** Mackinac Mix

**Management Goals:** Management activities this entry focuses on northern hardwoods management of three stands that need to be brought into regulation. Also, there will be a final harvest of a mature red pine plantation. There is a good quantity of aspen resource in this compartment, but no harvesting during this entry.

**Soil and Topography:** The topography of the compartment is relatively level ground. There are areas of low-lying wet ground mixed with areas of slightly higher dry ground. The soils present are as follows: Wallace sand, Paquin sand, Springlake, Markey and Carbondale mucks, Paquin-Finch, Crosswell-Wainola, Markey-Spot-Finch, Finch sand, Histosols and Aquents ponded, Pits, sand and gravel.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Most of the land within the compartment boundaries is State of Michigan land. There is one block of private land under ownership of Sand Products Co. in Section 23 and extends into the compartment to the south and east. The remaining adjacent land to the south and east of the compartment is State of Michigan land. To the west and north all of the land is State of Michigan land except for a 40 acre parcel on the north border of Section 22. Land use in the area on private lands is primarily seasonal camps or private residences. The town of Epoufette is located a few miles south of the compartment.

**Unique, Natural Features:** Potential for various T&E plant species occurrences. Potential for Red Shouldered Hawk in mature hardwoods. Rare snails in ecotone between cedar and mesic northern forest. Marsh Lake lies within the compartment.

**Archeological, Historical, and Cultural Features:** None

**Special Management Designations or Considerations:** White pine, hemlock, and other conifer species will be retained within hardwoods stands that are prescribed for management.

**Watershed and Fisheries Considerations:** This compartment contains stream reaches of Paquin Creek, Marsh Lake, and part of McNamara Pond. Paquin Creek is a cold-water stream that supports stream-resident fish community of brook trout, pearl dace, slimy sculpin, central mudminnow, brook stickleback. Paquin Creek is also important that it supports natural reproduction of Lake Michigan adfluvial fishes such as steelhead, Chinook salmon, and coho salmon. Implementation of BMP's will aid in preventing sediment input from road crossings and upland areas are critically important to protect spawning areas for trout and other stream-resident fishes. Buffering the river is also critical to ensure future inputs of woody material to the stream channel, discourage aspen regeneration close to the stream channel, and provide shading to

protect water temperature from warming to a degree that will inhibit trout survival. No file information exists for Marsh Lake or McNamara Pond.

**Wildlife Habitat Considerations:** Compartment 139 is located within the Mackinac Mix Management Area. Dominant forest types include cedar and other lowland conifers, aspen, and northern hardwoods. Marsh Lake, McNamara Pond, and other small wetlands provide some wetland habitat. Wildlife objectives here include maintaining age class and structural diversity between aspen stands, promoting diversity in northern hardwoods and maintaining the closed-canopy cover in lowland conifer stands. Species benefitting from this management include white-tailed deer, ruffed grouse, snowshoe hare, bobcat, fisher, marten, and numerous migratory bird species.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The nearest gravel pit is located over three miles to the north. There may be some gravel potential on the upland areas. There is no economic oil and gas production in the UP.

**Vehicle Access:** Access to the compartment is primarily via Hiawatha Trail (paved county road) through the middle of the compartment, and also the Bennett Road which runs east and west through the east portion of the compartment. Sand Lake Road cuts across the northwestern most corner of the compartment. Other access points are via trail roads entering various portions of the compartment from Hiawatha trail and Bennett Road. Any new roads built for harvesting operations will be closed to vehicle traffic after the sale is completed.

**Survey Needs:** No new survey projects are required for this compartment with adequate corners present.

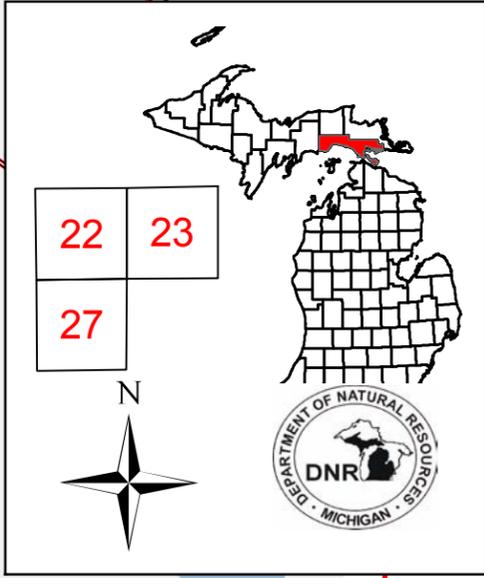
**Recreational Facilities and Opportunities:** The primary form of recreation is hunting, mostly deer and small game. Some trapping takes place with the compartment. Possible berry picking in some of the open areas of the compartment. ORV use of the compartment is fairly prevalent on the trail roads.

**Fire Protection:** Fire protection is not a major concern in the compartment due to the amount of low ground related timber types and the high component of hardwoods. On the very south end of the compartment, there is one area of mature red pine that extends into the compartment to the south that poses the only real concern for fire protection. There is substantial access for fire protection if needed. Prescribed burning could be used as a management tool for opening maintenance.

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

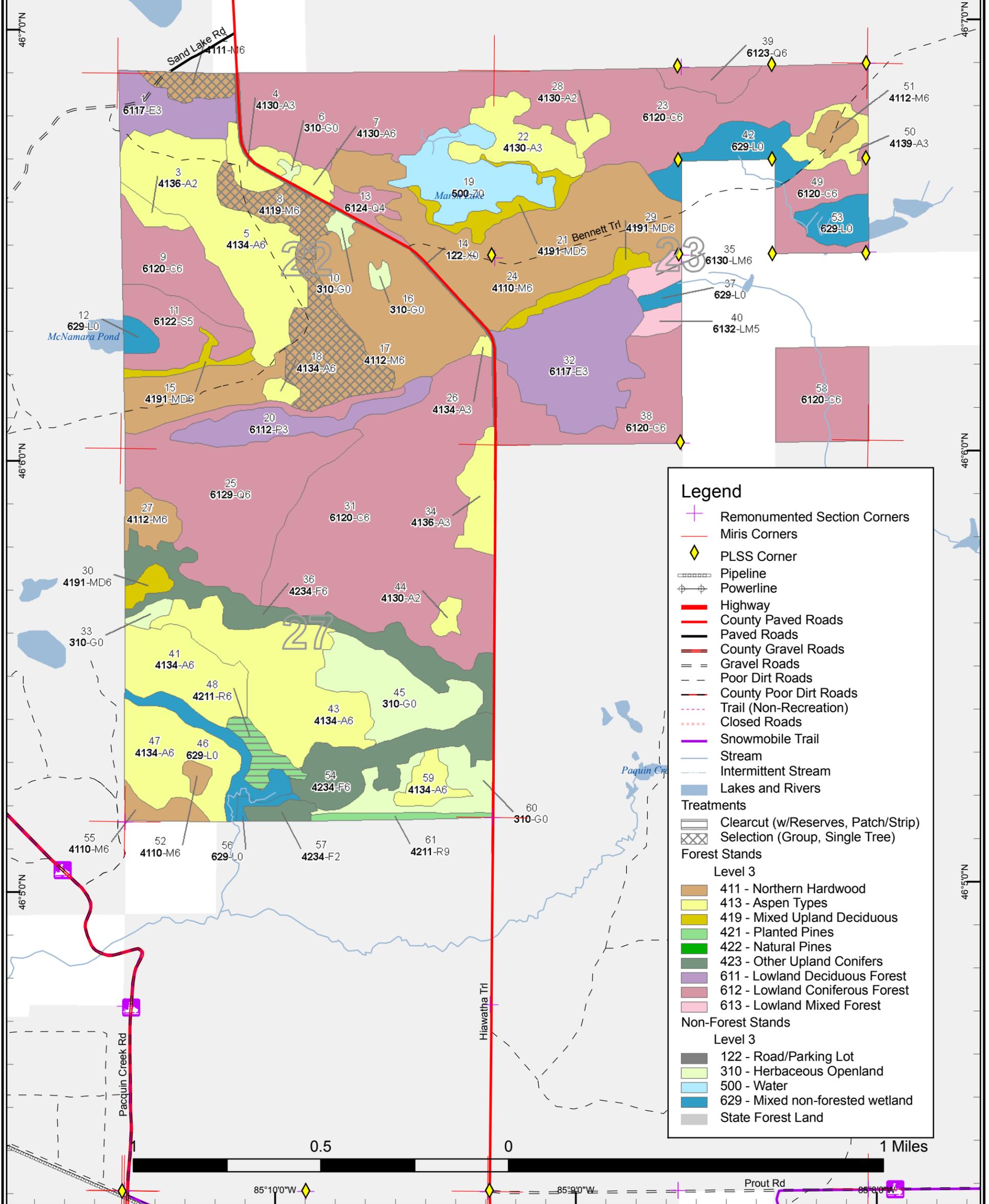
- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **Dedicated and Proposed Special Conservation Areas**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand boundaries, cover types, and numbers**
  - ◆ **Proposed treatments**
  - ◆ **Details on the road access system**

# Cover Type & Treatment Map



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

Compartment: 139  
 T43N R07W Sec. 22, 23, 27  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 YOE: 2014  
 Acres: 1,742 GIS Calculated  
 Examiner: Matthew Edison  
 Map Revised: 08/08/2012  
 Map Phase: Pre-Review



### Legend

- + Remonumented Section Corners
- Miris Corners
- ◆ PLSS Corner
- Pipeline
- Powerline
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trail
- Stream
- - - Intermittent Stream
- Lakes and Rivers

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

### Forest Stands

Level 3

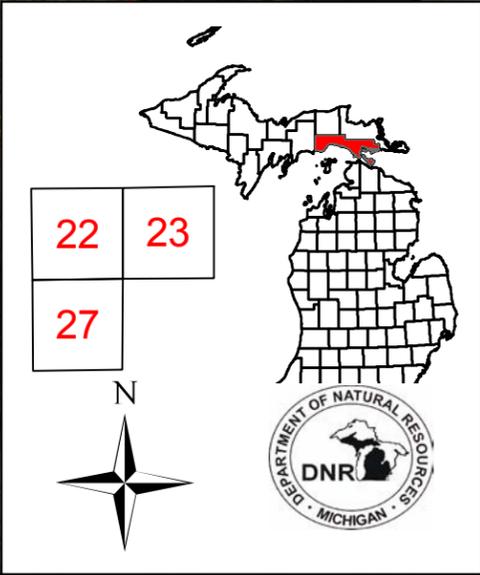
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

### Non-Forest Stands

Level 3

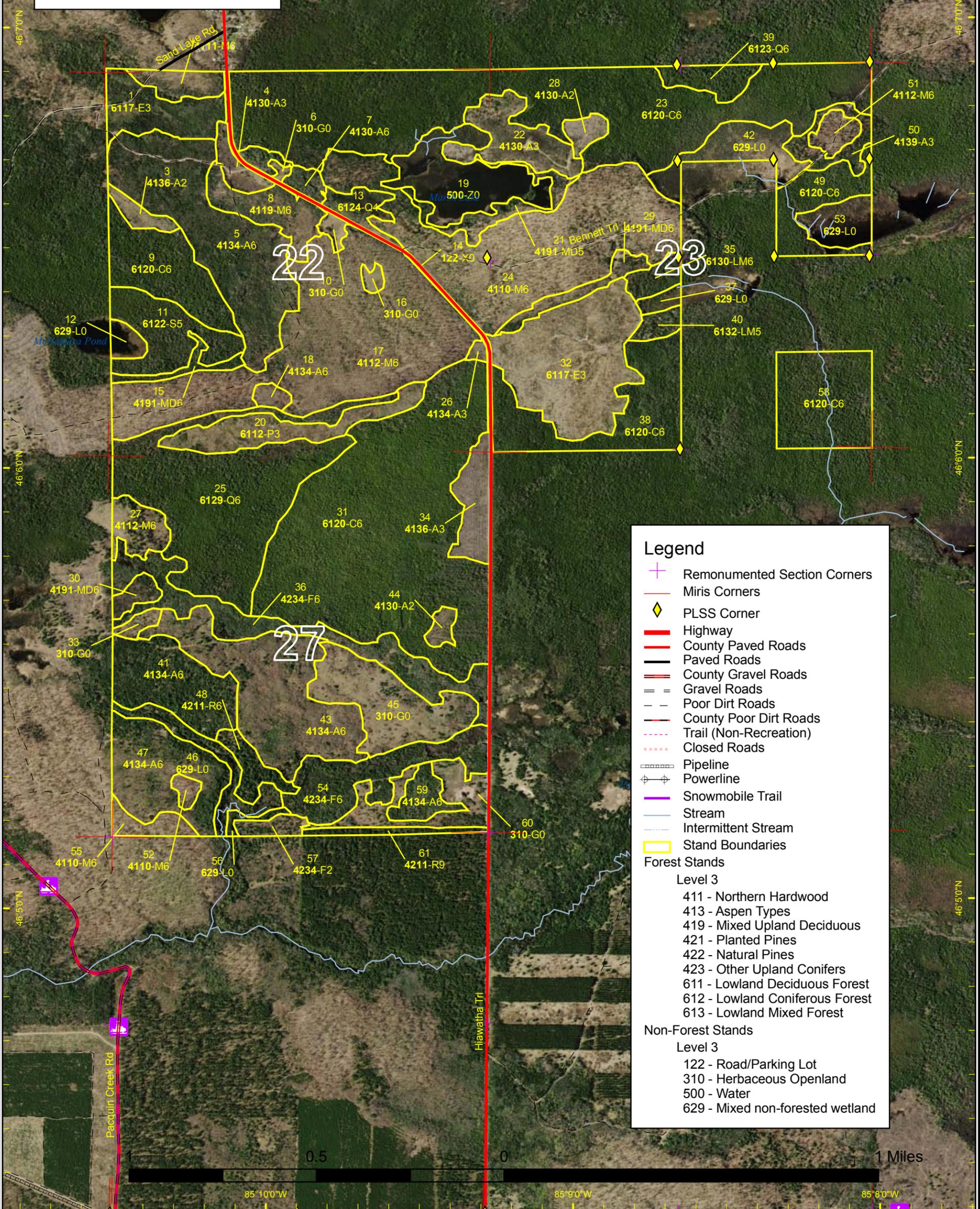
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 629 - Mixed non-forested wetland
- State Forest Land

# Stand Boundary Map



Stand #  
**23**  
**(412)0 - A7**  
 Level 3 OI  
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### Legend

- + Remonumented Section Corners
- Miris Corners
- ◆ PLSS Corner
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- - - Trail (Non-Recreation)
- - - Closed Roads
- Pipeline
- Powerline
- Snowmobile Trail
- Stream
- - - Intermittent Stream
- Stand Boundaries

### Forest Stands

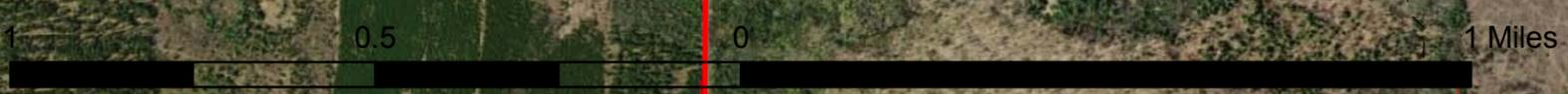
Level 3

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### Non-Forest Stands

Level 3

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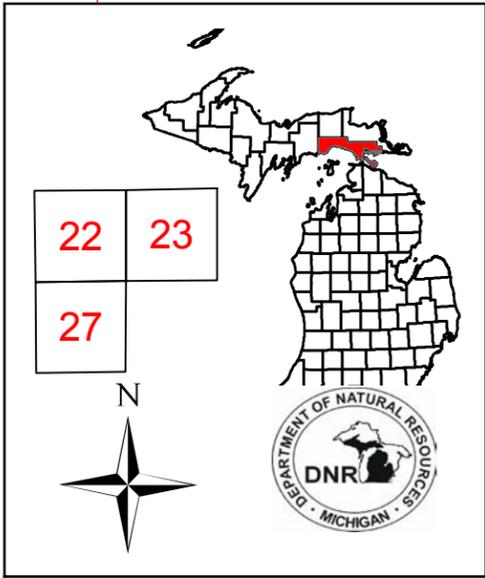
# Dedicated & Proposed Special Conservation Area Map

85°10'0"W

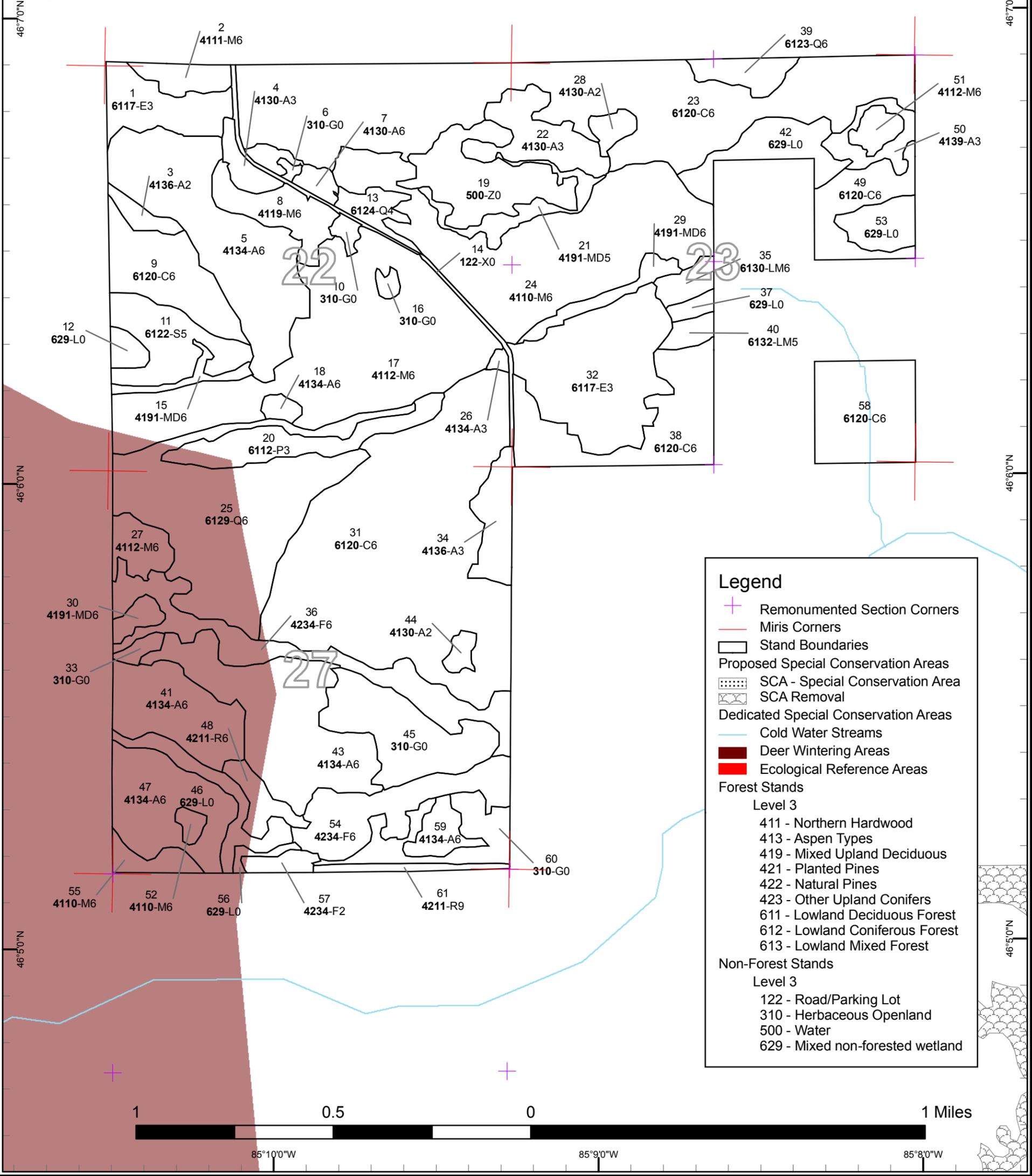
85°9'0"W

85°8'0"W

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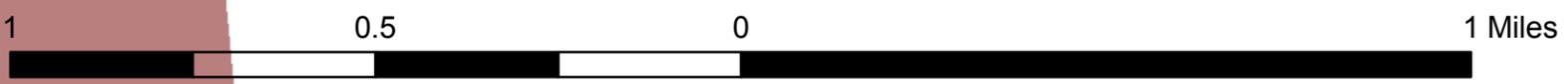


**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



**Legend**

- ✚ Remonumented Section Corners
- Miris Corners
- ▭ Stand Boundaries
- Proposed Special Conservation Areas
  - ▨ SCA - Special Conservation Area
  - ▩ SCA Removal
- Dedicated Special Conservation Areas
  - Cold Water Streams
  - Deer Wintering Areas
  - Ecological Reference Areas
- Forest Stands
  - Level 3
    - 411 - Northern Hardwood
    - 413 - Aspen Types
    - 419 - Mixed Upland Deciduous
    - 421 - Planted Pines
    - 422 - Natural Pines
    - 423 - Other Upland Conifers
    - 611 - Lowland Deciduous Forest
    - 612 - Lowland Coniferous Forest
    - 613 - Lowland Mixed Forest
- Non-Forest Stands
  - Level 3
    - 122 - Road/Parking Lot
    - 310 - Herbaceous Openland
    - 500 - Water
    - 629 - Mixed non-forested wetland



85°10'0"W

85°9'0"W

85°8'0"W

46°6'0"N

46°7'0"N

46°7'0"N

46°6'0"N

46°5'0"N

**Table 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 +	Unretn Age	
Aspen	39	24	97	148	9	0	0	0	0	0	0	0	0	0	318
Cedar	0	0	0	0	0	0	0	0	0	23	40	46	412	0	521
Herbaceous Openland	72	0	0	0	0	0	0	0	0	0	0	0	0	0	72
Lowland Aspen/Balsam Poplar	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	9	0	104	11	0	0	0	0	0	0	123
Lowland Deciduous	67	0	24	0	0	0	0	0	0	0	0	0	0	0	91
Lowland Mixed Forest	0	0	0	0	12	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	29	0	0	0	0	0	29
Mixed Upland Deciduous	0	0	15	5	12	0	0	0	0	0	0	0	0	0	32
Northern Hardwood	0	0	0	0	0	21	151	3	0	0	0	0	0	137	313
Red Pine	0	0	0	0	0	0	0	5	10	0	0	0	0	0	15
Upland Spruce/Fir	0	5	0	79	0	0	0	0	0	0	0	0	0	0	85
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	37	0	0	0	0	0	0	0	0	0	0	0	0	0	37
<b>Total</b>	<b>308</b>	<b>30</b>	<b>135</b>	<b>233</b>	<b>43</b>	<b>21</b>	<b>255</b>	<b>19</b>	<b>38</b>	<b>23</b>	<b>40</b>	<b>46</b>	<b>412</b>	<b>137</b>	<b>1742</b>



## Table 2 – Proposed Treatment Summaries

**Sault Ste. Marie Mgt. Unit**  
**Year of Entry 2014**

**Compartment 139**  
**Total Compartment Acres: 1742**

### Acres by Treatment Type

Commercial Harvest - 77	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Northern Hardwood</b>	0	68	0	0	0	0	0	68
<b>Red Pine</b>	10	0	0	0	0	0	0	10
<b>Total</b>	10	68	0	0	0	0	0	77



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	<b>45139_OutOfY OE-Cut</b>	5.5					Harvest	Clearcut	42110 - Planted Red Pine	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Clearcut stand with no retention of live trees except for witness trees. Standing trees within the stand after harvest create a hazard for aerial										
<u>Specs:</u> spraying of the stand for release and pest management.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site.										
<u>Steps:</u> Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2011										
<b>2</b>	<b>45139002-Cut</b>	9.7	4111 - S.Maple, Hard Mast Association	High Density Pole	50	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Thin stand to approximately 80 basal area. Use compleat marker guidelines for marking. Don not mark any white pine or hemlock if present.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow										
<u>Steps:</u> birch, basswood, aspen and ironwood.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
<b>8</b>	<b>45139008-Cut</b>	19.6	4119 - Mixed Northern Hardwoods	High Density Pole	60	141-170	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Thin stand to approximately 80 basal area. Retain some aspen and cherry. Don not cut any white pine or hemlockif present.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow										
<u>Steps:</u> birch, basswood, aspen and ironwood.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
<b>17</b>	<b>45139017-Cut</b>	38.2	4112 - Maple, Beech, Cherry Association	High Density Pole	69	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Thin stand to approximately 80 basal area. Don not cut any white pine or hemlock if present. Promote any quality cherry and yellow birch.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow										
<u>Steps:</u> birch, basswood, aspen and ironwood.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48	45139048-Cut	9.6	42110 - Planted Red Pine	High Density Pole	82	81-110	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription: Clearcut stand with a buffer for retention along western and southern edges where adjacent to wetlands. Consider chipping during timber sale for re-planting purposes.

Other Comments:

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

**Total Treatment  
Acreage Proposed: 82.7**

**Table 4 -- Treatments Prescribed with a Limiting Factor**



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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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#Error

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

**Total Treatment Acreage Proposed: 0**

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>45104_OutOfY OE-Cut</b>	19.8					Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand were present.									
<u>Specs:</u>									
<u>Other</u> This was a buffer left along the creek from a sale called Golden Eagle.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
<b>45152062-Cut</b>	5.5	4115 - Y.Birch, Hemlock NH	High Density Log	76		Harvest	Clearcut with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand.									
<u>Specs:</u>									
<u>Other</u> cut with adjacent compartment.									
<u>Comments:</u>									
<u>Next</u> Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar									
<u>Steps:</u> maple, aspen, ash, beech, and balsam fir.									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2011									
<b>45157_OutOfY OE-Cut</b>	0.7					Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand where present.									
<u>Specs:</u>									
<u>Other</u> cut with stand 1 in comp 158.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
<b>45195_OutOfY OE-Cut</b>	27.3					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Cut all of the beech in the stand. Mark 2-3 beech to leave when cruising.									
<u>Specs:</u>									
<u>Other</u> Beech bark disease is affecting the beech within this stand.									
<u>Comments:</u>									
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and									
<u>Steps:</u> paper birch, ironwood, balsam fir, white spruce and white pine.									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
<b>45202_OutOfY OE-Cut</b>	449.6					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Cut all beech in the stand. While cruising mark 2-3 beech per acre to leave.									
<u>Specs:</u>									
<u>Other</u> Beech bark disease is present in the stand.									
<u>Comments:</u>									
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and									
<u>Steps:</u> paper birch, ironwood, balsam fir, white spruce and white pine.									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2012									

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		502.9							



Stand	Sault Ste. Marie Mgt. Unit			5 – Forested Stands		Compartment: 139 Year of Entry: 2014
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	23.8	26		Stand was cut in 1986. Still small diameter aspen on mostly low ground. Areas of birch and cherry also. Check in 10 years.
2	4111 - S.Maple, Hard Mast Association	High Density Pole	9.7	50	111-140	Look at thinning this entry. Not great quality, but could use thinning.
3	4136 - Aspen, Mixed Conifer	Medium Density	5.4	3		Stand was cut in 2009. Aspen regen with mix of spruce and balsam with some tamarack.
4	4130 - Aspen	High Density Sapling	7.1	3		Stand was cut in 2009. Good looking aspen regen.
5	4134 - Aspen, Spruce/Fir	High Density Pole	78.3	28	141-170	Nice stand of aspen with heavy mix of birch, cherry, red maple, and balsam. Thick ba, but small diameter. Check in 10 years.
7	4130 - Aspen	High Density Pole	7.9	28	141-170	Nice stand of aspen regen from 1984 cut. Half big tooth, half quaking aspen.
8	4119 - Mixed Northern Hardwoods	High Density Pole	19.6	60	141-170	Stand is pole size average wit scattered saw size. Mix of aspen and some conifer in places.
9	6120 - Lowland Cedar	High Density Pole	34.0	122	51-80	Small diameter cedar mixed with balsam and spruce. Low ground with sparse clumpy cedar. Tag alder where open and wet.
11	6122 - Black Spruce	Medium Density Pole	28.7	88	1-50	Very wet conditions throughout most places. Small diameter, poor quality black spruce mixed with some tamarack and straggler birch. Non-productive.
13	6124 - Lowland Spruce-Fir	Low Density Pole	8.8	40		Small stand on wet ground that is filling in. Not much merchantability here.
15	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.5	26	141-170	Small diameter mix of maple, aspen, some balsam, birch and cherry. Poor quality brush. Clearcut whenever ready in a couple decades.
17	4112 - Maple, Beech, Cherry Association	High Density Pole	137.3	Uneven Age	81-110	Large part of stand was thinned in last entry. Good looking, high quality hard maple. Thin part of stand that was not last entry.
18	4134 - Aspen, Spruce/Fir	High Density Pole	3.3	38	141-170	Stand was cut in 1974. Small stand of aspen mixed with some balsam and spruce. Still room to add diameter, cut next entry with nearby stand 5
20	6112 - Lowland Aspen	High Density Sapling	25.4	3		Stand was cut in 2009. Good looking aspen regen coming in.
21	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	12.5	40	81-110	Mixed stand of frindge happy species. Hard maple, balsam, aspen, tag alder, spruce....edge of Marsh Lake.

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 139	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
22	4130 - Aspen	High Density Sapling	24.5	16			Stand was cut in 1996. Good looking aspen and birch regen.
23	6120 - Lowland Cedar	High Density Pole	183.5	150	51-80		Very wet stand of small diameter, poor quality cedar. Old cedar varies in density and size.
24	4110 - Sugar Maple Association	High Density Pole	117.7	68	51-80		Stand was thinned in last entry. A lot of beech has died out resulting in lower basal areas.
25	6129 - Mixed Coniferous Lowland Forest	High Density Pole	103.8	61	111-140		Variable stand of small diameter mix of cedar, tamarack, spruce and balsam, scattered birch in some isolated areas. Not very productive in places. Very wet ground, nothing to do here now.
26	4134 - Aspen, Spruce/Fir	High Density Sapling	1.5	3			Stand was cut in 2009. Good looking aspen regen with mix of Birch and balsam.
27	4112 - Maple, Beech, Cherry Association	High Density Pole	11.6	55	51-80		Stand was thinned in 2010. Hardwood stand with patches of aspen that was clearcut.
28	4130 - Aspen	Medium Density	5.1	3			Stand was cut in 2009. Good looking aspen regen with mix of spruce and balsam.
29	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	9.3	23			Stand was cut in 1989. Mix of spruce and balsam, lowland aspen, some tag alder on fringed. Still small diameter.
30	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.2	35			Stand was cut in 1977. Mix of poor quality maples, aspen, and balsam. Check in 10 years.
31	6120 - Lowland Cedar	High Density Pole	194.1	150	81-110		Very old cedar mixed with balsam and spruce and scattered tamarack. Tag alder where wettest. Not very big diameter for age.
32	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	67.1	3			Stand was cut in 2009. Regen is mix of aspen and tamarack and tag alder where wettest. Some birch and balsam.
34	4136 - Aspen, Mixed Conifer	High Density Sapling	16.1	3			Stand was cut in 2009. Regen is mix of aspen with spruce and balsam, some cedar remains as retention.
35	6130 - Fir, Aspen, Maple	High Density Pole	7.1	40	51-80		Stand is poorer quality aspen, balsam, spruce and scattered cedar. Leave for another ten years. Green up concerns with adjacent stand...
36	42340 - Upland Spruce/Fir	High Density Pole	44.0	35	111-140		Stand was cut at same time as adjacent stand, but has much higher component of conifer. Check in 10 years for harvest.
38	6120 - Lowland Cedar	High Density Pole	46.5	113	81-110		Stand of dense, but variable cedar. Some tamarack, fir, and spruce mixed in.



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 139
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014
						General Comments:
39	6123 - Lowland Fir	High Density Pole	10.8	77	81-110	Inaccessible stand of mixed lowland conifer and deciduous. Variable wet ground. Blocked by surrounding cedar and wetland.
40	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	5.1	45	51-80	Stand is mix of lowland deciduous types. Aspen, birch, some tamarack, tag alder and cedar and spruce on edges. No access and poor quality due to wet conditions.
41	4134 - Aspen, Spruce/Fir	High Density Pole	36.8	35	141-170	Stand was cut in 1977. Mix of brushy maple and good looking aspen. Still smaller diameter, check in 10 years.
43	4134 - Aspen, Spruce/Fir	High Density Pole	69.0	35	111-140	Stand was cut in 1977. Good looking aspen, but still smaller diameter. Check in 10 years.
44	4130 - Aspen	Medium Density	3.7	2		Cut in 2010. Aspen regen present.
47	4134 - Aspen, Spruce/Fir	High Density Pole	39.4	35	141-170	Nice stand of aspen mixed with balsam and spruce. Some paper birch in some areas. Will be nice in 10 years, still room to add diameter this entry. Check in 10 years.
48	42110 - Planted Red Pine	High Density Pole	9.6	82	81-110	Stand was thinned in 2000. Good looking red pine.
49	6120 - Lowland Cedar	High Density Pole	22.9	98	111-140	Dense stand of Cedar mixed with some black spruce and scattered tamarack. Very wet in areas
50	4139 - Aspen, Mixed Deciduous	High Density Sapling	10.6	26		Mixed stand of hardwood and aspen mix. There is a lot of cherry, birch, and balsam.
51	4112 - Maple, Beech, Cherry Association	High Density Pole	6.6	69	51-80	Stand was cut in 2009. Beech has died out and basal areas are therefore a little low..
52	4110 - Sugar Maple Association	High Density Pole	3.0	70	81-110	Stand was thinned in 2008.
54	42340 - Upland Spruce/Fir	High Density Pole	35.4	38	141-170	Small diameter balsam and spruce mixed with aspen regen. Tag alder where wet. Brushy stand along Smith Creek. Check in 10 years.
55	4110 - Sugar Maple Association	High Density Pole	7.5	67	51-80	Stand was thinned in 2006.
57	42340 - Upland Spruce/Fir	Medium Density	5.4	13		Stand was cut in 1999. Open growing balsam and spruce regen. Some aspen and maple brush and cherry.
58	6120 - Lowland Cedar	High Density Pole	40.2	102	51-80	Land locked 40 of lowland cedar mix. Very wet, creek running through stand.
59	4134 - Aspen, Spruce/Fir	High Density Pole	9.5	48	111-140	Stand is good looking aspen with mix of some spruce and balsam. Small diameter will hold until next entry.



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Sault Ste. Marie Mgt. Unit

5 – Forested Stands

Compartment: 139  
Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
61	42110 - Planted Red Pine	High Density Log	5.4	74	111-140	Stand was thinned in last entry as part of sale in adjacent compartment 142. Stand is currently under out of yoe treatment with comp 142 stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
6	310 - Herbaceous Openland	1.1	N/A	Unspecified	
10	310 - Herbaceous Openland	2.8	N/A	Unspecified	
12	629 - Mixed non-forested wetland	4.8	N/A	Unspecified	
14	122 - Road/Parking Lot	7.6	N/A	Unspecified	
16	310 - Herbaceous Openland	2.2	N/A	Unspecified	
19	50 - Water	36.6	N/A	Unspecified	
33	310 - Herbaceous Openland	3.3	N/A	Unspecified	
37	629 - Mixed non-forested wetland	3.4	N/A	Unspecified	
42	629 - Mixed non-forested wetland	21.2	N/A	Unspecified	
45	310 - Herbaceous Openland	40.4	N/A	Unspecified	
46	629 - Mixed non-forested wetland	15.6	N/A	Unspecified	
53	629 - Mixed non-forested wetland	12.8	N/A	Unspecified	
56	629 - Mixed non-forested wetland	2.4	N/A	Unspecified	
60	310 - Herbaceous Openland	22.3	N/A	Unspecified	



### 7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments



**8 – DEDICATED CONSERVATION AREA DETAILS**

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
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.