

# **Compartment Review Presentation**

Sault Ste. Marie Forest Management Unit

| Compartment      | 171          |
|------------------|--------------|
| Entry Year       | 2015         |
| Acreage:         | 1,576        |
| County           | Mackinac     |
| Management Area: | Mackinac Mix |

**Revision Date:** 06/21/2013

Stand Examiner: Amy Douglass

#### Legal Description:

T43N-R9W, Sections 2, 10 & 11

#### **Identified Planning Goals:**

The goals are to maintain and enhance age class diversity and forest health. Much of the pine was planted during the CCC days. Red pine was planted primarily, with some mixed areas of red pine, white pine and jack pine. Age class diversity for red pine is starting, with a couple areas clearcut and replanted in 1998 and 2000. There are four other sites waiting to be planted to red pine, two of which are part of Phase II of the Red Pine Project. The aspen has been actively managed since the 70's. The few hardwood stands in the area have all been affected by Beech Bark Disease. No additional treatment is recommended for these stands, unless the beech understory is herbicided.

#### 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 majority of Section 2 is composed of the ridge and swale complex on outwash plains and lake plains, with Wallace-Spot complex as the major soil type. The depressions and nearly level areas on lake plains and outwash plains are dominated by Markey-Spot-Finch complex.

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

State lands adjoin the compartment to the south, east and north. The Hiawatha Sportsman's Club abuts to the west. The 320 acres of private land within Section 2 is held by just 3 separate landowners. The NENE of Section 11 is the small burg of Gilchrist. Peter's Creek Ski Trail was developed in 1994. The SESE of Section 10 is a State Police radio tower site. The tower was constructed in 1999.

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

No Unique Natural Features known.

#### 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:**

Planned treatments should not be in conflict with the snowmobile trail.

#### Watershed and Fisheries Considerations:

This compartment contains the upper reaches of Kinny Creek. It is a small stream that supports a fish community of brook trout, steelhead, sculpins and minnows. Implementation of BMP's that 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.

#### Wildlife Habitat Considerations:

This compartment lies within the Mackinac Mix Management Area. Pre-settlement vegetation generally consisted of northern hardwoods, hemlock-beech, and hemlock-white pine forests. Dry sandy areas were dominated by white pine, hemlock, red pine, and localized jack pine forests. Lowland conifer swamps featured northern white cedar, tamarack, balsam fir, and black spruce. Current vegetation composition in the lowlands appears to be similar to the pre-settlement species composition, but upland areas are now dominated by red pine and aspen.

Wildlife habitat management objectives include leaving some pine to promote age class diversity within the aspen and red pine forest community, and maintaining wetland and stream corridors by buffering these features appropriately. Examples of a few species that may be found this compartment include leopard frog, red-backed salamander, American woodcock,

red squirrel, and white-tailed deer.

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

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Silurian Engadine and Manistique Groups subcrop below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. Gravel pits are not located in the compartment and potential may be limited. There is no economic oil and gas production in the UP.

#### Vehicle Access:

Access is good to the majority of the compartment. Hiawatha Trail, a paved county road, crosses Section 11. Cranberry Lake Road, a sand county road, runs north off Hiawatha Trail. Other maintained DNR roads include Gilchrist Tower Road, North Beach Road and Peter's Creek Truck Trail. Several two track roads access other areas of the compartment.

#### **Survey Needs:**

A survey may be needed against the Hiawatha Sportsman's Club line along north line of Section 10. The HSC may plan on harvesting their timber along that line at the same time.

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

Snowmobile trail #2 runs north through the central portion of the compartment. This is the main trail from Naubinway to the Newberry/Rexton cut off. Peter's Creek Ski Trail was established in 1994. It was put in and maintained by volunteers. Funding was granted for disking and seeding the trail in 2003. The area is also used for grouse, woodcock, deer and bear hunting. Fishing opportunities may exist in parts of Kinny and Peter's Creeks. Mushroom and berry picking opportunities exist within the compartment.

#### **Fire Protection:**

While the opportunity exists for wildfires within the compartment, none have been noted in recent years. Section 2 is within the southern boundary of one of the old zone dispatch areas within the Naubinway Area. Certainly the fuel types (pine) within the compartment are conducive to wildfires and the potential exists for a fire start in the areas adjacent to these types. However, this area is close to the Naubinway Office and has good vehicle access throughout most of the compartment. Access to the adjacent Hiawatha Club is through locked gates.

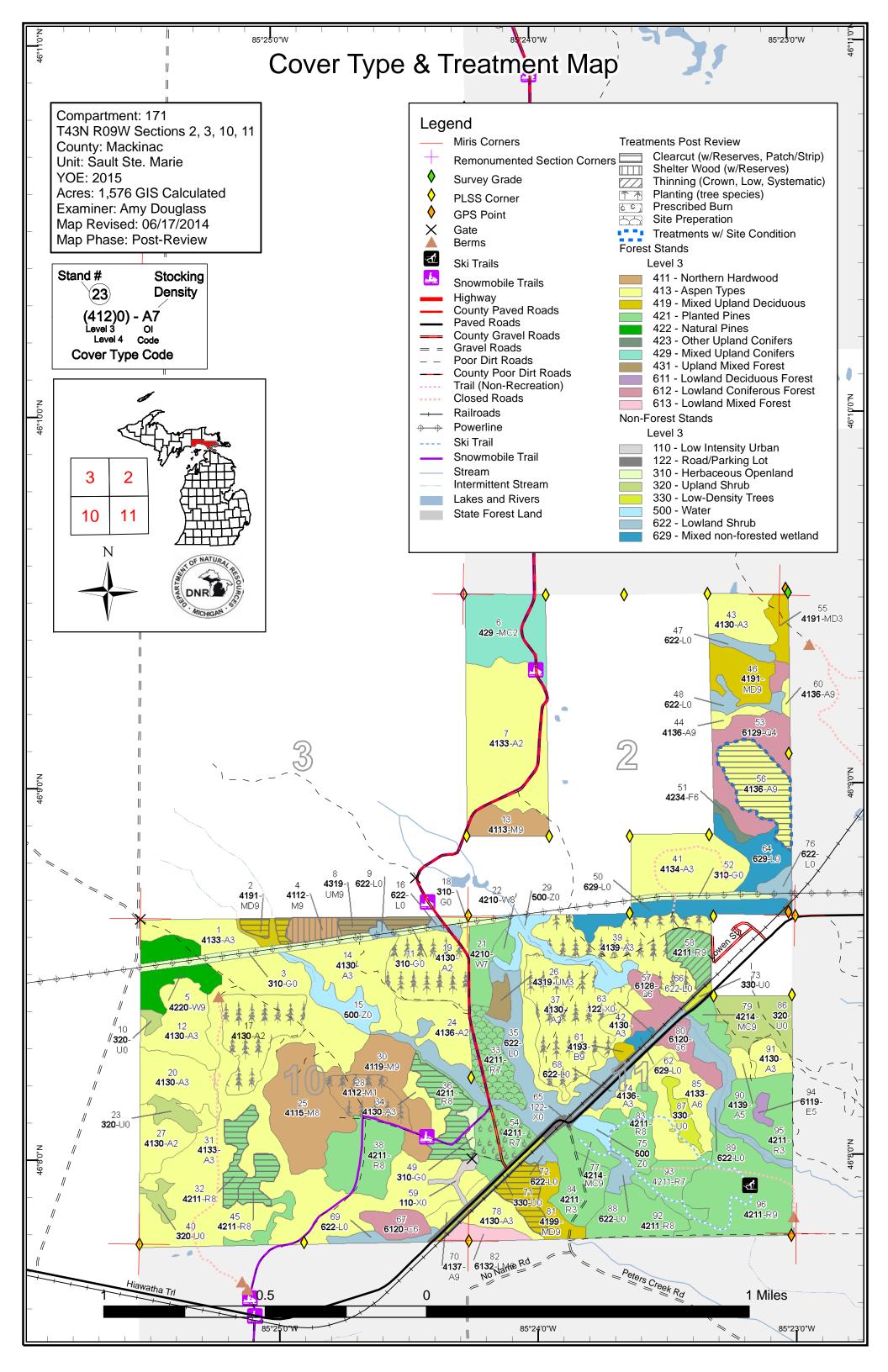
#### **Additional Compartment Information:**

Hiawatha Sportsman's Club is located to the west of the compartment. Notable differences in prior management are seen along this line. Most notable are where the CCC planted pine on state lands and the Hiawatha Club lands were not planted. An 800 megahertz State Police radio tower was erected in the SESE of Section 10 in 1999. The easement involves an 8 acre parcel of land.

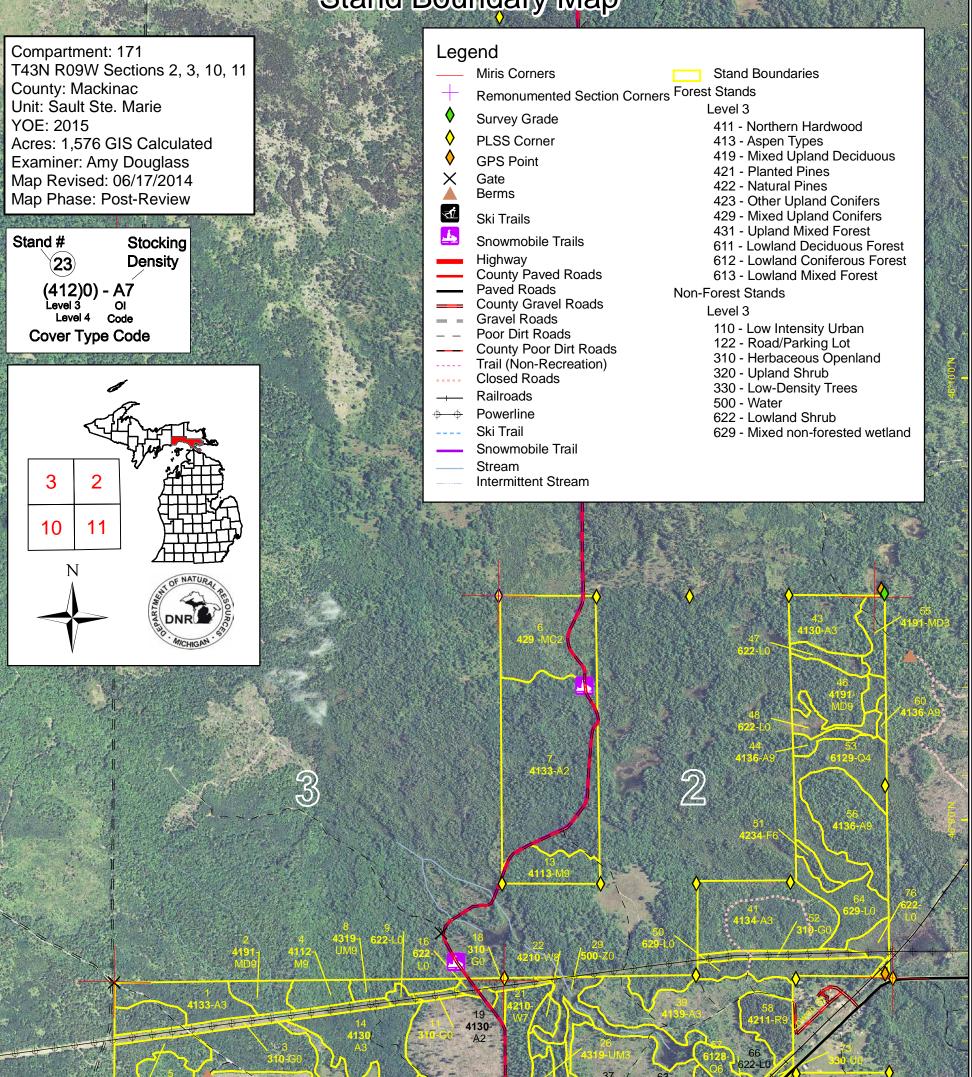
# The following reports from the Inventory are attached:

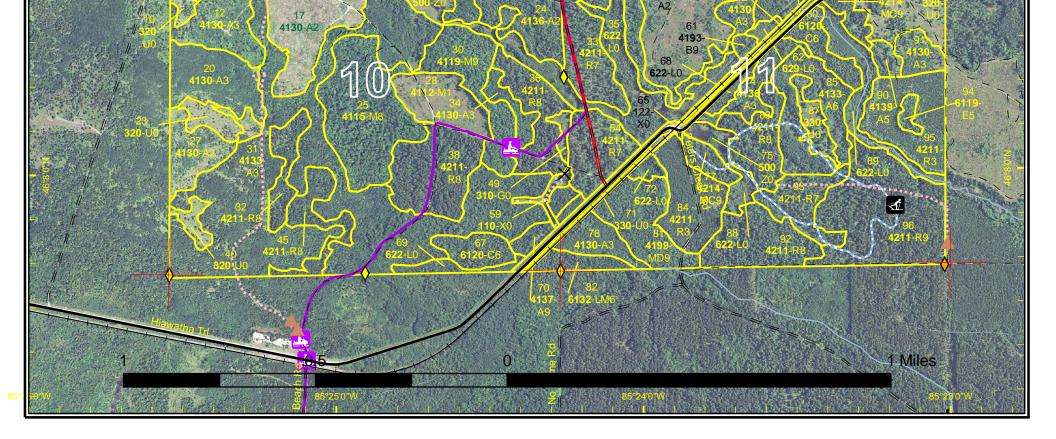
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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



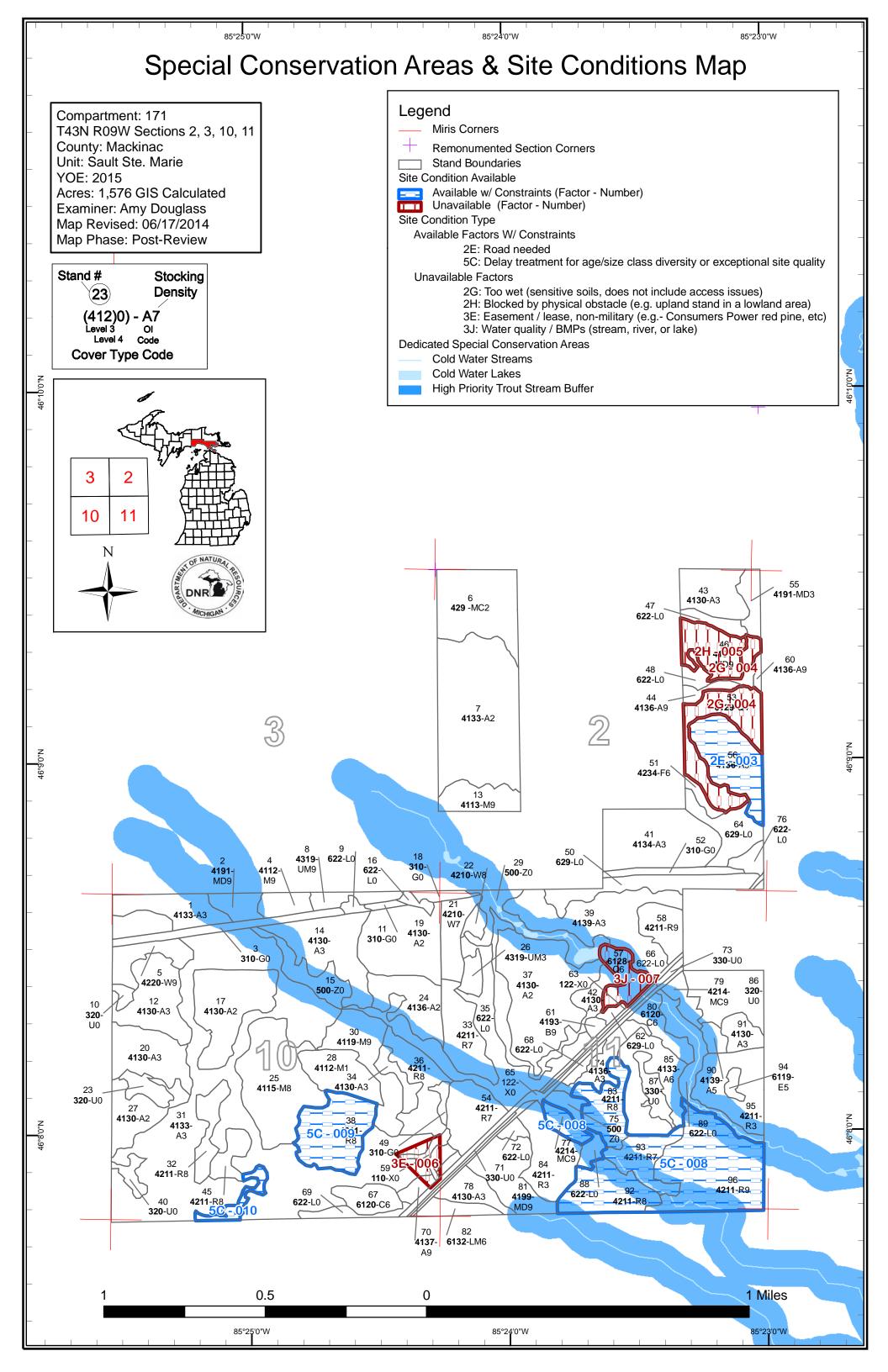
# Stand Boundary Map

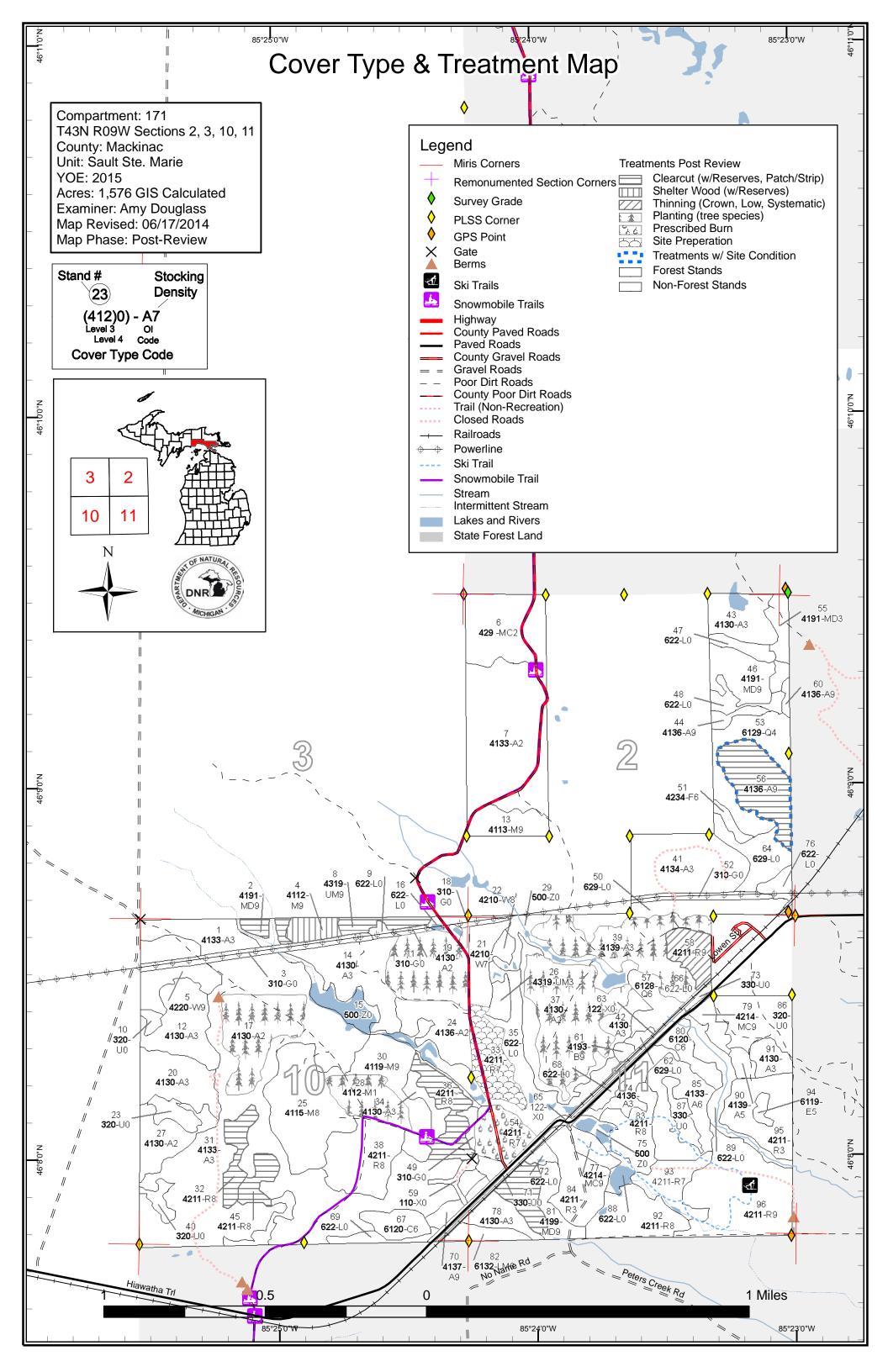




130

122-XC





### Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit Amy Douglass : Examiner

#### Compartment 171 Year of Entry 2015



Age Class

|                        |     | 6.0 | 0,10 | 10 <sup>1</sup> 2 | 60° | 40.49 | in the second se | .00<br>00 | 10'10 | 10 <sup>10</sup> | 9 <sup>99</sup> | 100,100 | 611.01, | *00*<br>*00* | ASS ASS |  |
|------------------------|-----|-----|------|-------------------|-----|-------|--|-----------|-------|------------------|-----------------|---------|---------|--------------|---------|--|
| Aspen                  | 186 | 95  | 378  | 0                 | 30  | 0     | 0  | 5         | 32    | 0                | 0               | 0       | 0       | 0            | 726     |  |
| Cedar                  | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 10               | 9               | 0       | 0       | 0            | 19      |  |
| Herbaceous Openland    | 24  | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 24      |  |
| Low-Density Trees      | 10  | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 10      |  |
| Lowland Conifers       | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 28    | 11               | 0               | 0       | 0       | 0            | 40      |  |
| Lowland Deciduous      | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 2     | 0                | 0               | 0       | 0       | 0            | 2       |  |
| Lowland Mixed Forest   | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 6               | 0       | 0       | 0            | 6       |  |
| Lowland Shrub          | 128 | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 128     |  |
| Mixed Upland Deciduous | 7   | 0   | 0    | 0                 | 0   | 0     | 0  | 7         | 39    | 0                | 0               | 0       | 0       | 0            | 53      |  |
| Northern Hardwood      | 18  | 0   | 0    | 0                 | 0   | 0     | 0  | 7         | 80    | 0                | 0               | 0       | 0       | 0            | 105     |  |
| Paper Birch            | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 2         | 0     | 0                | 0               | 0       | 0       | 0            | 2       |  |
| Planted Mixed Pines    | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 12        | 0     | 0                | 0               | 0       | 0       | 0            | 12      |  |
| Red Pine               | 0   | 47  | 0    | 0                 | 0   | 0     | 0  | 229       | 0     | 0                | 0               | 0       | 0       | 0            | 276     |  |
| Upland Conifers        | 0   | 35  | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 35      |  |
| Upland Mixed Forest    | 0   | 0   | 5    | 0                 | 0   | 0     | 0  | 7         | 0     | 0                | 0               | 0       | 0       | 0            | 11      |  |
| Upland Shrub           | 34  | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 34      |  |
| Upland Spruce/Fir      | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 3     | 0                | 0               | 0       | 0       | 0            | 3       |  |
| Urban                  | 20  | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 20      |  |
| Water                  | 33  | 0   | 0    | 0                 | 0   | 0     | 0  | 0         | 0     | 0                | 0               | 0       | 0       | 0            | 33      |  |
| White Pine             | 0   | 0   | 0    | 0                 | 0   | 0     | 0  | 16        | 20    | 0                | 0               | 0       | 0       | 0            | 35      |  |
| Total                  | 460 | 178 | 383  | 0                 | 30  | 0     | 0  | 284       | 205   | 21               | 16              | 0       | 0       | 0            | 1576    |  |



| MICHIGAN | Sault Ste. Marie Mgt. Unit<br>Year of Entry 2015 |                     |         |                |        |   |          |           |           |  | Compartment<br>Total Compartment Acres: |  |
|----------|--|---------------------|---------|----------------|--------|---|----------|-----------|-----------|--|---|--|
|          |  |                     |         | Acres          | s by T | reatm   | ent Ty   | vpe       |           |  |   |  |
|          | Commercial Harvest - 105                         | Tree Planting - 214 |         | 0              | ther - | 47  |          |           |           |  |   |  |
|          | Habitat Cut - 0                                  | Opening Maintenar   | nce - 0 |                |        |   |          |           |           |  |   |  |
|          |  |                     |         | Cov            | er Tyj | pe by l   | Harve    | st Meth   | nod       |  |   |  |
|          |  |                     | 0       | and the second | to do  | 60<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | otornood | Lining Os | To Coline | P. P |   |  |
|          | Aspen Types                                      |                     | 27      | 0              | 0      | 0   | 0        | 0         | 27        |  |   |  |
|          | Mixed Upland Deciduo                             | ous                 | 17      | 0              | 0      | 0   | 0        | 0         | 17        |  |   |  |
|          | Northern Hardwood                                |                     | 0       | 0              | 0      | 7   | 0        | 0         | 7         |  |   |  |
|          | Planted Pines                                    |                     | 36      | 0              | 0      | 0   | 12       | 0         | 47        |  |   |  |
|          | Upland Mixed Forest                              |                     | 7       | 0              | 0      | 0   | 0        | 0         | 7         |  |   |  |
|          |  | Total               | 86      | 0              | 0      | 7   | 12       | 0         | 105       |  |   |  |

| S<br>t   | Si  | Sault Ste. Marie Mgt. Unit  |   |  |   |  | ients Prescri<br>ting Factor               | ibed   | Compartment: 171<br>Year of Entry 2015               | OF NATURAL                          |  |
|--|---|---|---|--|---|--|--|--|--|-------------------------------------|--|
| a<br>n<br>d  | Treatment<br>Name   | Acres   | CoverType   | Size<br>Density  | Stand<br>Age                            | BA<br>Range                                    | Treatment<br>Type                          | Treatment<br>Method                          | Cover Type<br>Objective                              | Approval<br>Status                  |  |
| 2  | 45171002-Cut  | 4.6   | 4191 - Mixed<br>Upland Deciduous<br>with Conifer  | High<br>Density Log  | 77                                      |  | Harvest                                    | Clearcut with<br>Reserves                    | 4191 - Mixed<br>Upland Deciduous<br>with Conifer     | Fld. Tr. Bdy.<br>Incomplete         |  |
| Preso<br>Spec  |   | pecies exc  | ept white pine and he   | emlock. Buffe  | r draina                                | ges. Reten                                     | tion will be in dra                        | inage buffers.                               |  |                                     |  |
| Othe<br>Com  | r_ May hav<br>ments:  | ve to access  | s part of stand from I  | HSC. They m  | ay want                                 | to cut their                                   | land using this a                          | access.                                      |  |                                     |  |
| lext<br>Steps  |   | survey per V  | Nork Instructions. Ac   | ceptable reg   | en inclue                               | des aspen,                                     | birch, red maple                           | with white pine, sp                          | pruce, hemlock and bal                               | sam.                                |  |
|  | <u>sed</u><br><u>Date:</u> 10/01/20   | 14  |   |  |   |  |  |  |  |                                     |  |
| 4  | 45171004-Cut  | 7.2   | 4112 - Maple,<br>Beech, Cherry<br>Association   | High<br>Density Log  | 77                                      | 81-110   | Harvest                                    | Shelter Wood with Reserves                   | 4112 - Maple,<br>Beech, Cherry<br>Association        | Fld. Tr. Bdy.<br>Incomplete         |  |
| reso<br>pec  |   | approx. 50  | BA, trying to promote   | e cherry wher  | e possil                                | ole.   |  |  |  |                                     |  |
| <u>the</u><br>om   | <u>r</u> HSC ma<br>ments:   | ay want to a  | access their land to th   | ne north from  | this acc                                | ess.   |  |  |  |                                     |  |
| lext<br>Steps  | Regen s   | urvey per V   | Nork Instructions. Ac   | ceptable reg   | eneratio                                | n includes                                     | red maple, black                           | cherry, sugar map                            | le, with some balsam.                                |                                     |  |
|  |   |   |   |  |   |  |  |  |  |                                     |  |
|  | o <u>sed</u><br>Date: 10/01/20  | 14  |   |  |   |  |  |  |  |                                     |  |
| art I  |   | 14<br>6.7   | 4319 - Mixed<br>Upland Forest   | High<br>Density Log  | 77                                      |  | Harvest                                    | Clearcut with<br>Reserves                    | 413 - Aspen  |                                     |  |
| 8<br>8<br>Prese  | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s  | 6.7   |   | Density Log  | 9                                       | be along l                                     |  |  | 413 - Aspen  |                                     |  |
| 8<br>Preso<br>pec  | <u>Date:</u> 10/01/20<br><b>45171008-Cut</b><br><u>cription</u> Cut all s<br><u>cs:</u>   | 6.7<br>pecies exco  | Upland Forest   | Density Log<br>emlock. Reter   | )<br>ntion will                         | -  |  |  | 413 - Aspen  |                                     |  |
| 8<br>Prese<br>Spec<br>Othe<br>Com  | Date: 10/01/20   45171008-Cut   cription Cut all s   s: HSC ma   ments: Regen s   | 6.7<br>pecies exce<br>ay want to a  | Upland Forest<br>ept white pine and he<br>access their land for h   | Density Loç<br>emlock. Reter<br>narvest using  | )<br>ntion will<br>this acc             | ess.   | ower areas.                                | Reserves                                     | 413 - Aspen<br>m, white pine and heml                | Incomplete                          |  |
| 8<br>Preso<br>Spec<br>Othe<br>Com<br>Next<br>Steps<br>ropo   | Date: 10/01/20   45171008-Cut   cription Cut all s   s: HSC ma   ments: Regen s   | 6.7<br>pecies exce<br>ay want to a<br>survey per V  | Upland Forest<br>ept white pine and he<br>access their land for h   | Density Loç<br>emlock. Reter<br>narvest using  | )<br>ntion will<br>this acc             | ess.   | ower areas.                                | Reserves                                     |  | Fld. Tr. Bdy.<br>Incomplete         |  |
| 8<br>Preso<br>Spec<br>Othe<br>Com<br>Next<br>Steps<br>ropo   | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s<br>cs:<br>r HSC ma<br>ments:<br>Regen s<br>s:<br>used  | 6.7<br>pecies exce<br>ay want to a<br>survey per V  | Upland Forest<br>ept white pine and he<br>access their land for h   | Density Loç<br>emlock. Reter<br>narvest using  | this acc<br>eneratio                    | ess.   | ower areas.                                | Reserves                                     |  | Incomplete                          |  |
| 8<br>Press<br>Spec<br>Dthe<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Commission<br>Comm | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s<br>s:<br>HSC ma<br>ments:<br>Regen s<br>sed<br>Date: 10/01/20<br>45171032-Cut<br>cription Clearcut   | 6.7<br>pecies exco<br>ay want to a<br>survey per V<br>14<br>10.1  | Upland Forest<br>ept white pine and he<br>access their land for h<br>Work Instructions. Ac<br>42110 - Planted   | Density Log<br>emlock. Reter<br>narvest using<br>cceptable rege<br>Medium<br>Density Log                 | this acc<br>eneratio                    | ess.<br>n includes a<br>81-110                 | ower areas.<br>aspen, red maple<br>Harvest | Reserves<br>e, birch, with balsa<br>Clearcut | m, white pine and heml<br>4211 - Planted Red<br>Pine | Incomplete<br>ock.<br>Fld. Tr. Bdy. |  |
| 8<br>Press<br>pec<br>Dthe<br>Com<br>lext<br>teps<br>opo<br>art I<br>32<br>Press<br>pec<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe<br>Dthe   | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s<br>ss:<br>r HSC ma<br>ments:<br>Regen s<br>sed<br>Date: 10/01/20<br>45171032-Cut<br>cription Clearcut<br>ss:                                     | 6.7<br>pecies exco<br>ay want to a<br>survey per V<br>14<br>10.1  | Upland Forest<br>ept white pine and he<br>access their land for h<br>Work Instructions. Ac<br>42110 - Planted<br>Red Pine<br>tion for replanting to         | Density Log<br>emlock. Reter<br>narvest using<br>cceptable rege<br>Medium<br>Density Log                 | this acc<br>eneratio                    | ess.<br>n includes a<br>81-110                 | ower areas.<br>aspen, red maple<br>Harvest | Reserves<br>e, birch, with balsa<br>Clearcut | m, white pine and heml<br>4211 - Planted Red<br>Pine | Incomplete<br>ock.<br>Fld. Tr. Bdy. |  |
| 8<br>Press<br>pec<br>Dthe<br>Commission<br>Dthe<br>Commission<br>Second<br>Press<br>Spec<br>Dthe<br>Commission<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Second<br>Seco   | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s<br>s:<br>HSC ma<br>ments: HSC ma<br>Regen s<br>sed<br>Date: 10/01/20<br>45171032-Cut<br>cription Clearcut<br>s:<br>Block up<br>ments: Burn, tree | 6.7<br>pecies exco<br>ay want to a<br>survey per V<br>14<br>10.1<br>t in prepara<br>p with stanc                | Upland Forest<br>ept white pine and he<br>access their land for h<br>Work Instructions. Ac<br>42110 - Planted<br>Red Pine<br>tion for replanting to         | Density Log<br>emlock. Reter<br>narvest using<br>cceptable rego<br>Medium<br>Density Log<br>red pine. No | this acc<br>eneratio<br>79<br>retention | ess.<br>n includes a<br>81-110<br>n due to siz | ower areas.<br>aspen, red maple<br>Harvest | Reserves<br>e, birch, with balsa<br>Clearcut | m, white pine and heml<br>4211 - Planted Red<br>Pine | Incomplete<br>ock.<br>Fld. Tr. Bdy. |  |
| 8<br>Press<br>Spec<br>Othe<br>Comi<br>lext<br>Steps<br>art I<br>32<br>Press<br>Spec<br>Dthe<br>Spec<br>Dthe<br>Spec<br>Spec<br>Spec<br>Spec<br>Spec<br>Spec<br>Spec<br>Spe   | Date: 10/01/20<br>45171008-Cut<br>cription Cut all s<br>s:<br>HSC ma<br>ments: HSC ma<br>Regen s<br>sed<br>Date: 10/01/20<br>45171032-Cut<br>cription Clearcut<br>s:<br>Block up<br>ments: Burn, tree | 6.7<br>pecies exce<br>ay want to a<br>survey per V<br>14<br>10.1<br>t in prepara<br>o with stanc<br>ench and re | Upland Forest<br>ept white pine and he<br>access their land for h<br>Nork Instructions. Ac<br>42110 - Planted<br>Red Pine<br>tion for replanting to<br>145. | Density Log<br>emlock. Reter<br>narvest using<br>cceptable rego<br>Medium<br>Density Log<br>red pine. No | this acc<br>eneratio<br>79<br>retention | ess.<br>n includes a<br>81-110<br>n due to siz | ower areas.<br>aspen, red maple<br>Harvest | Reserves<br>e, birch, with balsa<br>Clearcut | m, white pine and heml<br>4211 - Planted Red<br>Pine | Incomplete<br>ock.<br>Fld. Tr. Bdy. |  |

| Specs:                                |   |
|---------------------------------------|---|
| <u>Other</u><br>Comments:             | See locked OFS comments.                                      |
| <u>Next</u><br>Steps:                 | Burn, trench and replant to red pine. Herbicide as necessary. |
| <u>Proposed</u><br><u>Start Date:</u> | 10/01/2014  |

#### **Report 3 -- Treatments Prescribed** with No Limiting Factor

Compartment: 171 Year of Entry 2015 OF NATURA

| S<br>t                              | 3                                   | aun Ste. Ma    |  | Керс                         |              | No Limi        | Year of Entry 2015  | DNR<br>MICHIGAN           |                            |                            |
|-------------------------------------|-------------------------------------|----------------|--|------------------------------|--------------|----------------|---------------------|---------------------------|----------------------------|----------------------------|
| a<br>n<br>d                         | Treatment<br>Name                   | Acres          | CoverType                              | Size<br>Density              | Stand<br>Age | BA<br>Range    | Treatment<br>Type   | Treatment<br>Method       | Cover Type<br>Objective    | Approval<br>Status         |
| 45                                  | 45171045-Cut                        | 7.5            | 42110 - Planted<br>Red Pine            | Medium<br>Density Log        | 79<br>9      | 81-110         | Harvest             | Clearcut with<br>Reserves | 4211 - Planted Red<br>Pine | Fld. Tr. Bdy<br>Incomplete |
| Presc<br>Spec:                      |                                     | t in prepara   | tion for replanting to                 | red pine. Ret                | ention w     | /ill be left a | is the long, skinn  | y fingers.                |                            |                            |
| <u>Other</u><br>Comr                | Block u<br>nents:                   | p with stand   | l 32.                                  |                              |              |                |                     |                           |                            |                            |
| <u>Next</u><br>Steps                |                                     | ench and re    | plant to red pine. He                  | rbicide as ne                | cessary.     |                |                     |                           |                            |                            |
| Propos<br>Start D                   |                                     | 14             |  |                              |              |                |                     |                           |                            |                            |
| 58                                  | 45171058-Cut                        | 11.5           | 42110 - Planted<br>Red Pine            | High<br>Density Log          | 79<br>9      | 141-170        | Harvest             | Crown Thinning            | 4211 - Planted Red<br>Pine | Fld. Tr. Bdy<br>Incomplete |
| Presc<br>Spec:                      | <u>ription</u> Thin to<br><u>s:</u> | approx. 110    | BA.                                    |                              |              |                |                     |                           |                            |                            |
| <u>Other</u><br>Comr                | <u>nents:</u>                       |                |  |                              |              |                |                     |                           |                            |                            |
| <u>Next</u><br>Steps                | <u>::</u>                           |                |  |                              |              |                |                     |                           |                            |                            |
| Propos<br>Start E                   |                                     | 014            |  |                              |              |                |                     |                           |                            |                            |
| 81                                  | 45171081-Cut                        | 12.1           | 4199 - Other Mixed<br>Upland Deciduous | High<br>Density Log          | 81<br>9      |                | Harvest             | Clearcut with<br>Reserves | 413 - Aspen                | Fld. Tr. Bdy<br>Incomplete |
| Preso<br>Spece                      |                                     | stern half, re | etaining eastern half a                | as retention a               | and buffe    | er for creek   | headwaters. Lea     | ave red pine and wl       | nite pine and hemlock      | (where present).           |
| Other                               | _                                   |                |  |                              |              |                |                     |                           |                            |                            |
| <u>Comr</u><br><u>Next</u><br>Steps |                                     | survey per V   | Vork Instructions. Ac                  | cceptable reg                | eneratio     | n includes     | aspen, red maple    | e, birch with balsan      | n, red pine and white pi   | ne.                        |
| Propos<br>Start D                   | sed_                                | 14             |  |                              |              |                |                     |                           |                            |                            |
| 33                                  | 45171033-<br>Prep                   | 19.6           | 42110 - Planted<br>Red Pine            | Low<br>Density Log           | 79           | 1-50           | Site Prep           | Scarification             | 4221 - Natural Red<br>Pine | Fld. Tr. Bdy<br>Incomplete |
| Presc<br>Spec:                      |                                     | for herbicid   | le and scarify for nat                 | ural red and v               | white pin    | e regenera     | ation. FTP C44-5    | 51.                       |                            |                            |
| <u>Other</u><br>Comr                | Cut in 2 <u>nents:</u>              | 008.           |  |                              |              |                |                     |                           |                            |                            |
| <u>Next</u><br>Steps                |                                     | for regener    | ation success and re                   | elease needs.                |              |                |                     |                           |                            |                            |
| Propos<br>Start D                   |                                     | 13             |  |                              |              |                |                     |                           |                            |                            |
| 17                                  | 45171017-<br>Plant                  | 32.6           | 4130 - Aspen                           | Medium<br>Density<br>Sapling | 3            |                | Tree Planting       | Hand Plant                | 4211 - Planted Red<br>Pine | Fld. Tr. Bdy<br>Incomplete |
| Presc<br>Spec:                      |                                     | to be trencl   | hed, herbicided and                    | planted unde                 | r FTP C⁄     | 44-584, fro    | m RPP.              |                           |                            |                            |
| <u>Other</u><br>Comr                | Most of <u>nents:</u> burned.       |                | as a spruce plantation                 | n that was ch                | ipped in     | 2011. A lit    | ttle portion at the | south end was forr        | nerly red pine. The are    | a was not                  |
| <u>Next</u><br>Steps                | <u>::</u>                           | for regener    | ation success and re                   | elease needs.                |              |                |                     |                           |                            |                            |
| Propos<br>Start D                   |                                     | 13             |  |                              |              |                |                     |                           |                            |                            |

Start Date: 06/01/2013

# Report 3 -- Treatments Prescribed

| S<br>t                          | S                  | ault Ste. Ma  | rie Mgt. Unit                                 | Repo                         |              |             | nents Prescrib<br>ting Factor | bed                 | Compartment: 171<br>Year of Entry 2015 | AND DURE STORES            |  |
|---------------------------------|--------------------|---------------|---|------------------------------|--------------|-------------|-------------------------------|---------------------|--|----------------------------|--|
| a<br>n<br>d                     | Treatment<br>Name  | Acres         | CoverType                                     | Size<br>Density              | Stand<br>Age | BA<br>Range | Treatment<br>Type             | Treatment<br>Method | Cover Type<br>Objective                | Approval<br>Status         |  |
| 19                              | 45171019-<br>Plant | 33.2          | 4130 - Aspen                                  | Medium<br>Density<br>Sapling | 3            |             | Tree Planting                 | Hand Plant          | 4133 - Aspen,<br>Mixed Pine            | Fld. Tr. Bdy<br>Incomplete |  |
| Presc<br>Specs                  |                    | ant red pine  | in areas not coming                           | back to asp                  | en.          |             |                               |                     |  |                            |  |
| <u>Other</u><br>Comm            |                    | as cut in 201 | 1. Standing WP and                            | RP left.                     |              |             |                               |                     |  |                            |  |
| <u>Next</u><br><u>Steps</u>     |                    | for regen su  | ccess.  |                              |              |             |                               |                     |  |                            |  |
| <u>Propos</u><br><u>Start D</u> |                    | 13            |   |                              |              |             |                               |                     |  |                            |  |
| 28                              | 45171028-<br>Plant | 17.7          | 4112 - Maple,<br>Beech, Cherry<br>Association | Low<br>Density<br>Sapling    | 3            |             | Tree Planting                 | Hand Plant          | 4211 - Planted Red<br>Pine             | Fld. Tr. Bdy<br>Incomplete |  |
| Presc<br>Specs                  |                    | to be trench  | ed, herbicided and p                          | lanted unde                  | r FTP C4     | 14-584, fro | m RPP.                        |                     |  |                            |  |
| <u>Other</u><br>Comm            |                    | a was chipp   | ed in 2011 and not b                          | ourned.                      |              |             |                               |                     |  |                            |  |
| <u>Next</u><br><u>Steps</u>     | Monitor            | for regenera  | tion success and rel                          | ease needs                   |              |             |                               |                     |  |                            |  |
| Propos<br>Start D               | ed                 | 13            |   |                              |              |             |                               |                     |  |                            |  |
| 37                              | 45171037-<br>Plant | 53.2          | 4130 - Aspen                                  | Medium<br>Density<br>Sapling | 4            |             | Tree Planting                 | Hand Plant          | 4211 - Planted Red<br>Pine             | Fld. Tr. Bdy<br>Incomplete |  |
| Presc<br>Specs                  |                    | to be trench  | ed, herbicided and p                          | lanted unde                  | r FTP C4     | 14-550.     |                               |                     |  |                            |  |
| <u>Other</u><br>Comm            |                    | 010.          |   |                              |              |             |                               |                     |  |                            |  |
| <u>Next</u><br>Steps            |                    | for regenera  | tion success and rel                          | ease needs                   |              |             |                               |                     |  |                            |  |
| Propos<br>Start D               |                    | 13            |   |                              |              |             |                               |                     |  |                            |  |
| 39                              | 45171039-<br>Plant | 41.6          | 4139 - Aspen,<br>Mixed Deciduous              | High<br>Density<br>Sapling   | 4            |             | Tree Planting                 | Hand Plant          | 4211 - Planted Red<br>Pine             | Fld. Tr. Bdy<br>Incomplete |  |
| Presc<br>Specs                  |                    | to be trench  | ed, herbicided and p                          | lanted unde                  | r FTP C4     | 14-550.     |                               |                     |  |                            |  |
| <u>Other</u><br>Comm            |                    | 010.          |   |                              |              |             |                               |                     |  |                            |  |
| <u>Next</u><br>Steps            | Monitor            | for regenera  | tion success and rel                          | ease needs                   |              |             |                               |                     |  |                            |  |
| Propos<br>Start D               | ed                 | 13            |   |                              |              |             |                               |                     |  |                            |  |

| Sault Ste. Marie Mgt. Unit<br>S<br>t |                                |                |                               | Repo               |              |             | ments Prescrib<br>iting Factor | ed                  | Compartment: 171<br>Year of Entry 2015 | AND INATURAL PRODUCTION    |  |
|--------------------------------------|--------------------------------|----------------|-------------------------------|--------------------|--------------|-------------|--------------------------------|---------------------|--|----------------------------|--|
| a<br>n<br>d                          | Treatment<br>Name              | Acres          | CoverType                     | Size<br>Density    | Stand<br>Age | BA<br>Range | Treatment<br>Type              | Treatment<br>Method | Cover Type<br>Objective                | Approval<br>Status         |  |
| 54                                   | 45171054-<br>Burn              | 14.8           | 42110 - Planted<br>Red Pine   | Low<br>Density Log | 79           | 51-80       | Prescribed Burn                | Unspecified         | 4211 - Planted Red<br>Pine             | Fld. Tr. Bdy<br>Incomplete |  |
| Prescr<br>Specs                      |                                | e with under   | burn as per FTP C4            | 44-460.            |              |             |                                |                     |  |                            |  |
| <u>Other</u><br>Comm                 |                                | ccess to try d | ifferent methods of           | red pine/white     | pine na      | atural reg  | eneration. See lock            | ed OFS comme        | nts.                                   |                            |  |
| <u>Next</u><br><u>Steps:</u>         |                                | ırn: continue  | with scarification, h         | erbicide and/o     | r under      | planting    | as per FTP C44-460             | ) and C44-512.      |  |                            |  |
| <u>Propos</u><br><u>Start D</u>      |                                | )14            |                               |                    |              |             |                                |                     |  |                            |  |
| 21                                   | 45171021-<br>Spray             | 12.4           | 42100 - Planted<br>White Pine | Low<br>Density Log | 79           | 1-50        | Pesticide                      | Skidder             | 42140 - Planted<br>Mixed Pine          | Fld. Tr. Bdy<br>Incomplete |  |
| Prescr<br>Specs                      |                                | to for herbic  | ide as site prep for          | underplanting      | under F      | -TP C44-    | 552.                           |                     |  |                            |  |
| <u>Other</u><br>Comm                 | Cut in 2<br>ients:             | 008.           |                               |                    |              |             |                                |                     |  |                            |  |
| <u>Next</u><br>Steps:                |                                | lant to RP ar  | nd monitor for regen          | success and        | release      | needs.      |                                |                     |  |                            |  |
| <u>Propos</u><br>Start Da            |                                | )13            |                               |                    |              |             |                                |                     |  |                            |  |
|                                      | Total Treatme<br>reage Propose |                | 0                             |                    |              |             |                                |                     |  |                            |  |

| S<br>t                | S                                   | ault Ste. Ma | arie Mgt. Unit                 | Report 4            |              | eatmen<br>Site Cor | Compartment: 171<br>Year of Entry 2015 | DIR DIR COLOURS           |                         |                            |
|-----------------------|-------------------------------------|--------------|--------------------------------|---------------------|--------------|--------------------|--|---------------------------|-------------------------|----------------------------|
| a<br>n<br>d           | Treatment<br>Name                   | Acres        | CoverType                      | Size<br>Density     | Stand<br>Age | BA<br>Range        | Treatment<br>Type                      | Treatment<br>Method       | Cover Type<br>Objective | Approval<br>Status         |
| 56                    | 45171056-Cut                        | 27.1         | 4136 - Aspen,<br>Mixed Conifer | High<br>Density Log | 81<br>g      |                    | Harvest                                | Clearcut with<br>Reserves | 413 - Aspen             | Fld. Tr. Bdy<br>Incomplete |
| Spec<br>Other         | <u>r</u> Was pu                     |              | •                              | -                   | ,            |                    |  |                           | ailroad crossing would  | be needed, or              |
| <u>Next</u><br>Steps  | 0                                   | survey per V | Vork Instructions. Ac          | ceptable reg        | eneratio     | n includes         | aspen, red mapl                        | e, birch, balsam, s       | pruce, with some white  | pine.                      |
| <u>Propo</u><br>Start | <u>osed</u><br><u>Date:</u> 10/01/2 | 014          |                                |                     |              |                    |  |                           |                         |                            |
| <u>Limiti</u>         | ing Factor                          | 2E:          | Road needed                    |                     |              |                    |  |                           |                         |                            |
| A                     | Total Treatme<br>creage Propose     | -            | .1                             |                     |              |                    |  |                           |                         |                            |

## **Report 5 – Site Conditions**

Amy Douglass : Examiner

Compartment 171 Year of Entry 2015

#### Availability for Management

| Total | Acres     | Acres         |                        | Domina | nt Site | e Con | dition | S  |    |
|-------|-----------|---------------|------------------------|--------|---------|-------|--------|----|----|
| Acres | Available | Not Available |                        | No     | 5C      | 3J    | 3E     | 2H | 2G |
| 726   | 693       | 33            | Aspen                  | 693    |         |       | 6      | 27 |    |
| 19    | 19        |               | Cedar                  | 19     |         |       |        |    |    |
| 40    |           | 40            | Lowland Conifers       |        |         | 11    |        |    | 28 |
| 2     | 2         |               | Lowland Deciduous      | 2      |         |       |        |    |    |
| 6     | 6         |               | Lowland Mixed Forest   | 6      |         |       |        |    |    |
| 53    | 37        | 17            | Mixed Upland Deciduous | 37     |         |       |        | 17 |    |
| 105   | 105       |               | Northern Hardwood      | 105    |         |       |        |    |    |
| 2     | 2         |               | Paper Birch            | 2      |         |       |        |    |    |
| 12    | 12        |               | Planted Mixed Pines    | 6      | 6       |       |        |    |    |
| 276   | 276       |               | Red Pine               | 134    | 142     |       |        |    |    |
| 35    | 35        |               | Upland Conifers        | 35     |         |       |        |    |    |
| 11    | 11        |               | Upland Mixed Forest    | 11     |         |       |        |    |    |
| 3     | 3         |               | Upland Spruce/Fir      | 3      |         |       |        |    |    |
| 35    | 35        |               | White Pine             | 35     |         |       |        |    |    |
| 1,326 | 1,237     | 89            | Total Forested Acres   | 1,089  | 148     | 11    | 6      | 44 | 28 |
|       | 93%       | 7%            | 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<br>No. | Dominant Site<br>Cond Availability                         | Dominant Site Condition   | Acres      | Other Site Condition            | Other Site Condition        | Other Site Condition       | Other Site Condition |
|-------------|--|---|------------|---------------------------------|-----------------------------|----------------------------|----------------------|
| 003         | Available  | 2E: Road needed   | 27         |                                 |                             |                            |                      |
| ι           | Comments:<br>Jpland site set up w<br>prohibitive. Stand co | rith adjacent C-164 as optiona<br>ontinues into C-164.              | al unit bu | t not cut. Access would en      | tail crossing very low, wet | ground or require a RR cro | ossing which is cost |
| 004         | Not Available  | 2G: Too wet (sensitive<br>soils, does not include<br>access issues) | 28         | 5D: Unproductive Forest<br>Land |                             |                            |                      |
| (           | Comments:  |   |            |                                 |                             |                            |                      |
|             |  |   |            |                                 |                             |                            |                      |
|             |  |   |            |                                 |                             |                            |                      |

|     |                                  | Marie Mgt. Unit<br>ıglass : Examiner   |           | Report 5 – Site Co  | nditions                   | Compartment 171<br>Year of Entry 2015         |
|-----|----------------------------------|--|-----------|---|----------------------------|---|
| 005 | Not Available                    | 2H: Blocked by physical<br>obstacle (e.g. upland<br>stand in a lowland area)       | 17        |   |                            |   |
| C   | omments:                         |  |           |   |                            |   |
| 006 | Not Available                    | 3E: Easement / lease, non-<br>military (e.g Consumers<br>Power red pine, etc)      | 8         |   |                            |   |
|     | omments:<br>tate Police Tower    | site   |           |   |                            |   |
| 007 | Not Available                    | 3J: Water quality / BMPs<br>(stream, river, or lake)                               | 11        | 2G: Too wet (sensitive soils, does not include access issues) |                            |   |
| C   | omments:                         |  |           |   |                            |   |
| 008 | Available                        | 5C: Delay treatment for<br>age/size class diversity or<br>exceptional site quality | 114       | No Limiting Factor  |                            |   |
| P   |                                  | rail. Management has occurred<br>to be limited here when the ski                   |           |   | ng taking place in the non | -winter months when the ski trail was in use. |
| 009 | Available                        | 5C: Delay treatment for<br>age/size class diversity or<br>exceptional site quality | 29        |   |                            |   |
|     | omments:<br>'ill clearcut and re | plant to red pine at next entry (  | after the | e adjacent stand 28 has be                                    | en successfully re-establi | shed).  |
|     |                                  |  |           |   |                            |   |
|     |                                  |  |           |   |                            |   |

|           |           | e. Marie Mgt. Unit<br>ouglass : Examiner   |   | Report 5 – Site Conditions | Compartment 171<br>Year of Entry 2015 |  |  |
|-----------|-----------|--|---|----------------------------|---------------------------------------|--|--|
| 010       | Available | 5C: Delay treatment for<br>age/size class diversity or<br>exceptional site quality | 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

Compartment: 171 Year of Entry 2015



# 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.

| Conservatio<br>Area | on Type                | Description  | ERA = Ecological Reference Area<br>HCVA = High Conservation Value Area<br>SCA = Special Conservation Area   |  |  |
|---------------------|------------------------|--|---|--|--|
| SCA                 | Archaeological<br>Site | An aquatic or terrestrial area of the State that contains physical<br>sites of cultural and historical significance that may occur upon to<br>bottomlands. They include thousands of Native American settler<br>and British outposts, nineteenth century logging camps, mines<br>the Great Lakes, there are shipwrecks and other remains docun<br>be identified by Natural heritage data from the State Historic Pre-<br>this compartment will be implemented in such a manner as to m<br>the sensitive nature of this information, no further detail about lo | terrestrial areas and Great Lakes<br>ments and burial sites, as well as French<br>and homesteads. Beneath the waters of<br>menting the maritime trade. Such sites may<br>eservation Office. Proposed treatments in<br>maintain the integrity of these sites. Due to |  |  |
| SCA                 | Cold Water Lake        | A coldwater lake has temperature and dissolved oxygen conditions<br>stocked trout populations and those of other coldwater fish spect<br>conditions for coldwater fishes may occur in Michigan lakes if th<br>groundwater inflows, or are located in colder (northern) areas of<br>Director's action and designated as trout resources by Fisheries  | ties to persist from year to year. Suitable<br>ey are relatively deep, have substantial<br>the state. Such lakes are established by   |  |  |
| SCA                 | Cold Water<br>Stream   | A coldwater stream has temperature and dissolved oxygen cond<br>stocked trout populations and those of other coldwater fish spec<br>year to year. Coldwater streams in Michigan typically provide the<br>contributions of groundwater to their stream flows. Such streams<br>designated as trout resources by Fisheries Order 210.   | ties (e.g., slimy sculpin) to persist from ese conditions due to substantial  |  |  |
| SCA                 | Riparian Area          | A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their  | e unique conditions adjacent to lakes,<br>diversity of plants and wildlife. Riparian<br>ects on water quality and quantity, as well   |  |  |

| S<br>t      | Sault Ste. Marie                              |                         | Report 8 | – Forested   | Stands Compartment: 171<br>Year of Entry: 2015 |  |
|-------------|---|-------------------------|----------|--------------|--|--|
| a<br>n<br>d | Level 4<br>Cover Type                         | Size<br>Density         | Acres    | Stand<br>Age | BA<br>Range                                    | General<br>Comments:   |
| 1           | 4133 - Aspen, Mixed<br>Pine                   | High Density<br>Sapling | 16.4     | 23           |  | Scattered white pine left.   |
| 2           | 4191 - Mixed Upland<br>Deciduous with Conifer | High Density<br>Log     | 7.2      | 77           |  |  |
| 4           | 4112 - Maple, Beech,<br>Cherry Association    | High Density<br>Log     | 7.2      | 77           | 81-110   |  |
| 5           | 42200 - Natural White<br>Pine                 | High Density<br>Log     | 19.8     | 81           | 81-110   | White pine is limby and weeviled. Variable dbh (6"-18") white pine.  |
| 6           | 429 - Mixed Upland<br>Conifers                | Medium<br>Density       | 35.3     | 14           |  | Cut in 1999 and planted 4/29/2000 (FTP C44-511). Some low inclusions and aspen clumps.   |
| 7           | 4133 - Aspen, Mixed<br>Pine                   | Medium<br>Density       | 72.4     | 27           |  | RP left standing. Pockets of wet ground - too complex to type out.   |
| 8           | 4319 - Mixed Upland<br>Forest                 | High Density<br>Log     | 6.7      | 77           |  | Transition ground.   |
| 12          | 4130 - Aspen                                  | High Density<br>Sapling | 25.4     | 7            |  | Scattered white pine, red pine and beech left. Most large beech has succumbed to BBD.  |
| 13          | 4113 - R.Maple, Conifer                       | High Density<br>Log     | 12.9     | 81           | 81-110   | Red maple with rot and forks. Lots of balsam understory, but<br>some areas a bit nicer without much understory. Some RP on<br>north and east ends.   |
| 14          | 4130 - Aspen                                  | High Density<br>Sapling | 30.0     | 26           |  | A few small openings within stand.   |
| 17          | 4130 - Aspen                                  | Medium<br>Density       | 32.6     | 3            |  | Red Pine Project site. Mostly a former spruce plantation to convert to RP.   |
| 19          | 4130 - Aspen                                  | Medium<br>Density       | 33.2     | 3            |  | Former spruce plantation with aspen. Notes from sale set-up say<br>if aspen regeneration fails we can rethink planting to RP. Site<br>was chipped with some tops to remain. WP multi-stemmed and<br>limby. A couple RP log trees left. Aspen 4'-8' tall. |
| 20          | 4130 - Aspen                                  | High Density<br>Sapling | 22.4     | 16           |  | Beech was left at time of cut, mostly along north line. Most has succumbed to BBD - large woody debris now. Grouse dusting spots in old road.  |
| 21          | 42100 - Planted White<br>Pine                 | Low Density<br>Log      | 12.4     | 79           | 1-50   |  |
| 22          | 42100 - Planted White<br>Pine                 | Medium<br>Density Log   | 3.2      | 79           | 51-80  | Mostly upland with wet spots and drainages. WP is limby.   |
| 24          | 4136 - Aspen, Mixed<br>Conifer                | Medium<br>Density       | 20.1     | 25           |  | Includes some semi-open areas.   |

| S<br>t      | Sault Ste. Mari                            |                         | Report 8 | – Forested   | Stands Compartment: 171<br>Year of Entry: 2015 |  |
|-------------|--|-------------------------|----------|--------------|--|--|
| a<br>n<br>d | Level 4<br>Cover Type                      | Size<br>Density         | Acres    | Stand<br>Age | BA<br>Range                                    | General<br>Comments:   |
| 25          | 4115 - Y.Birch,<br>Hemlock NH              | Medium<br>Density Log   | 43.4     | 81           | 51-80  | Site of the old Gilchrist Fire Tower. RM with dying tops. Beech pretty well gone from BBD - some still hanging on, others fallen over. |
| 26          | 4319 - Mixed Upland<br>Forest              | High Density<br>Sapling | 4.7      | 25           |  | Upland/lowland with drainages.   |
| 27          | 4130 - Aspen                               | Medium<br>Density       | 17.0     | 16           |  | Some scattered semi-open areas.  |
| 28          | 4112 - Maple, Beech,<br>Cherry Association | Low Density<br>Sapling  | 17.7     | 3            |  | Part of the Red Pine Project. Residual saplings from cut are mainly HM and Beech.  |
| 30          | 4119 - Mixed Northern<br>Hardwoods         | High Density<br>Log     | 23.5     | 81           | 51-80  | Some RM with dying tops. Beech pretty well gone from BBD - some hanging on a little, some fallen over already.                         |
| 31          | 4133 - Aspen, Mixed<br>Pine                | High Density<br>Sapling | 183.7    | 27           |  | Some residual red pine in areas. Cut in several different sales from 1984 to 1987. On edge between sap and pole.                       |
| 32          | 42110 - Planted Red<br>Pine                | Medium<br>Density Log   | 10.1     | 79           | 81-110   |  |
| 33          | 42110 - Planted Red<br>Pine                | Low Density<br>Log      | 19.6     | 79           | 1-50   | Thinned in 1989; shelterwood cut in 2010. Some blowdown after harvest.   |
| 34          | 4130 - Aspen                               | High Density<br>Sapling | 6.1      | 27           |  | Narrow strip clearcut between M6 and RP plantation.  |
| 36          | 42110 - Planted Red<br>Pine                | Medium<br>Density Log   | 19.7     | 79           | 111-140  | Much tall maple regen than adjacent underburned area.  |
| 37          | 4130 - Aspen                               | Medium<br>Density       | 53.2     | 4            |  | Regeneration around 6'-10' tall.   |
| 38          | 42110 - Planted Red<br>Pine                | Medium<br>Density Log   | 29.0     | 79           | 111-140  | Understory is variable density. Some small areas of HM regen - seen on photo.  |
| 39          | 4139 - Aspen, Mixed<br>Deciduous           | High Density<br>Sapling | 41.6     | 4            |  | Regeneration around 8'-12' tall. Some areas only 50 - 75% cover.   |
| 41          | 4134 - Aspen,<br>Spruce/Fir                | High Density<br>Sapling | 39.2     | 20           |  | Some wet areas. Small approx. 2 acre cedar inclusion in northwest corner. Several semi-open areas.                                     |
| 42          | 4130 - Aspen                               | High Density<br>Sapling | 20.6     | 14           |  |  |
| 43          | 4130 - Aspen                               | High Density<br>Sapling | 17.8     | 17           |  | WP left standing. Low pocket within stand.   |
| 44          | 4136 - Aspen, Mixed<br>Conifer             | High Density<br>Log     | 3.6      | 81           |  | Small upland ridge within low, wet swamp.  |

| S<br>t      | Sault Ste. Marie                                 |                         | Report 8 | – Forested   | Stands Compartment: 171<br>Year of Entry: 2015 |  |
|-------------|--|-------------------------|----------|--------------|--|--|
| a<br>n<br>d | Level 4<br>Cover Type                            | Size<br>Density         | Acres    | Stand<br>Age | BA<br>Range                                    | General<br>Comments:   |
| 45          | 42110 - Planted Red<br>Pine                      | Medium<br>Density Log   | 12.9     | 79           | 81-110   | Almost pole sized balsam - some 1 stick. Thick understory.   |
| 46          | 4191 - Mixed Upland<br>Deciduous with Conifer    | High Density<br>Log     | 16.8     | 81           |  | Mix of upland and lowland, surrounded by low, wet swamp.   |
| 51          | 42340 - Upland<br>Spruce/Fir                     | High Density<br>Pole    | 3.0      | 81           |  | Narrow ridge in middle of swamp.   |
| 53          | 6129 - Mixed<br>Coniferous Lowland<br>Forest     | Low Density<br>Pole     | 28.3     | 81           |  | Non-productive swamp with tag alder.   |
| 54          | 42110 - Planted Red<br>Pine                      | Low Density<br>Log      | 18.1     | 79           | 51-80  | Underburned in 2002. FTP 44-460. HM regen spotty but<br>widespread - 3'-10' tall. A few small areas with natural JP, RP<br>regen 3'-5' tall.   |
| 55          | 4191 - Mixed Upland<br>Deciduous with Conifer    | High Density<br>Sapling | 7.1      | 4            |  | Stand was strip cut in 1974 (1 chain cut, 2 chains left). Good<br>reproduction (RM, Cherry, WB, H) at last entry warrented a<br>shelterwood-seed cut. That cut was complete in 2010. It<br>currently is a 3-storied stand: H & YB log over 1974 cut regen<br>(40'-50' tall) and 2000 cut (10'-20' tall). |
| 56          | 4136 - Aspen, Mixed<br>Conifer                   | High Density<br>Log     | 27.1     | 81           |  | Was an optional unit with adjacent compartment (C-164) sale (All or Nothing). Best access is across the RR, but is cost prohibitive. Did not cut. Data taken from timber sale cruise.  |
| 57          | 6128 - Lowland<br>Coniferous, Mixed<br>Deciduous | High Density<br>Pole    | 11.2     | 96           |  | Kinny Creek headwaters flow thru stand. Graduates to upland on edges.  |
| 58          | 42110 - Planted Red<br>Pine                      | High Density<br>Log     | 11.5     | 79           | 141-170  |  |
| 60          | 4136 - Aspen, Mixed<br>Conifer                   | High Density<br>Log     | 1.5      | 81           |  | A small part of a Unit from "All or Nothing" from adjacent<br>compartment (164) that was not cut. Data taken from timber sale<br>cruise.   |
| 61          | 4193 - Birch, Aspen                              | High Density<br>Log     | 1.9      | 72           |  | Small birch stand between RR tracks and RP stand. Left for aesthetics and/or access to RP stand. Some low spots within stand.  |
| 67          | 6120 - Lowland Cedar                             | High Density<br>Pole    | 9.5      | 96           |  |  |
| 70          | 4137 - Aspen, Birch                              | High Density<br>Log     | 5.0      | 77           |  | Narrow stand bordering H-40. Mostly upland, tapering to lowland on the west.   |
| 74          | 4136 - Aspen, Mixed<br>Conifer                   | High Density<br>Sapling | 10.3     | 27           |  | RP & WP left standing. Some low spots within stand and along<br>H-40.  |
| 77          | 42141 - Planted Mixed<br>Pine, Mixed Deciduous   | High Density<br>Log     | 6.0      | 79           | 141-170  | RP/WP stand with red maple. WP limby and sometimes multi-<br>stemmed. RP - large limbed. A couple WB within stand. Peter's<br>Creek Ski Trail Trailhead.   |

| S<br>t      | Sault Ste. Marie                          |                         | Report 8 | – Forested            | Stands Compartment: 171<br>Year of Entry: 2015 |  |
|-------------|---|-------------------------|----------|-----------------------|--|--|
| a<br>n<br>d | Level 4<br>Cover Type                     | Size<br>Density Acres   |          | Stand BA<br>Age Range |  | General<br>Comments:   |
| 78          | 4130 - Aspen                              | High Density<br>Sapling | 9.9      | 17                    |  | Cedar, hemlock and white pine left - residual < 10 BA, mainly on edges. High ridge along southern edge.  |
| 79          | 42140 - Planted Mixed<br>Pine             | High Density<br>Log     | 6.1      | 79                    | 81-110   | Small plantation along Kinny Creek. JP seeding in to the south and east over the years. Very limby where predominantly JP.   |
| 80          | 6120 - Lowland Cedar                      | High Density<br>Pole    | 9.1      | 101                   |  | Narrow finger along H-40 contains small diameter cedar with areas of Tamarack. Mostly wet with small narrow upland ridge. Kinny Creek flows thru stand.  |
| 81          | 4199 - Other Mixed<br>Upland Deciduous    | High Density<br>Log     | 22.2     | 81                    |  | Mainly upland with some lowland pockets. Headwaters of Peter's Creek wander thru stand. Good buffer and critter corridor.  |
| 82          | 6132 - Mixed Lowland<br>Forest with Cedar | High Density<br>Pole    | 6.5      | 104                   |  | YB present.  |
| 83          | 42110 - Planted Red<br>Pine               | Medium<br>Density Log   | 17.1     | 79                    | 81-110   | Peter's Creek Ski Trail runs thru stand.   |
| 84          | 42110 - Planted Red<br>Pine               | High Density<br>Sapling | 22.0     | 16                    |  | Plantation doing nicely. Occasional JP.  |
| 85          | 4133 - Aspen, Mixed<br>Pine               | High Density<br>Pole    | 26.0     | 41                    |  | Some areas more pure aspen, other areas more mixed with conifer. Several small open areas. JP & WP scattered along opening edges.  |
| 90          | 4139 - Aspen, Mixed<br>Deciduous          | Medium<br>Density Pole  | 3.7      | 42                    |  | WP limby, open grown. Old field filling in over the years.   |
| 91          | 4130 - Aspen                              | High Density<br>Sapling | 7.4      | 16                    |  | Red maple left along north edge for visuals. Includes some open areas with some larger remnant trees.  |
| 92          | 42110 - Planted Red<br>Pine               | Medium<br>Density Log   | 22.9     | 79                    | 81-110   | Thinned 1997. Variable residual BA. Left all RP, WP, beech, WB and YB. Occasional YB & Beech.  |
| 93          | 42110 - Planted Red<br>Pine               | Low Density<br>Log      | 15.2     | 79                    | 1-50   | Peter's Creek Ski Trail runs thru stand.   |
| 94          | 6119 - Mixed Lowland<br>Deciduous Forest  | Medium<br>Density Pole  | 2.5      | 86                    |  | Low wet area.  |
| 95          | 42110 - Planted Red<br>Pine               | High Density<br>Sapling | 25.3     | 14                    |  | This stand was not burned, just trenched and hand planted. Will<br>be good for comparison of burned vs. unburned plantations<br>when adjacent Abandoned Axle sale is burned (in compartment<br>164). Includes some non-pine areas. |
| 96          | 42110 - Planted Red<br>Pine               | High Density<br>Log     | 52.5     | 79                    | 111-140  | An occasional WP and RP 3'-5' tall; more so on the western<br>edge where it is more open. Peter's Creek Ski Trail runs thru<br>stand.  |

Compartment: 171

Year of Entry: 2015

NATURA

| Stand | Cover Type                       | Acres | Managed<br>Site | Management Priority<br>(Objective) | General Comments:   |
|-------|----------------------------------|-------|-----------------|------------------------------------|---|
| 3     | 310 - Herbaceous Openland        | 11.2  | Yes             | Medium                             | Edison-Sault power line R-O-W.  |
| 9     | 622 - Lowland Shrub              | 1.8   | Unspecified     | Unspecified                        | Edison-Sault power line R-O-W.  |
| 10    | 320 - Upland Shrub               | 2.2   | No              | Unspecified                        | Contains some unmerchantable pine and aspen. Good for wildlife.   |
| 11    | 310 - Herbaceous Openland        | 1.5   | Yes             | Medium                             | Edison-Sault power line R-O-W.  |
| 15    | 50 - Water                       | 12.1  | No              | Unspecified                        | Headwaters of Kinny Creek   |
| 16    | 622 - Lowland Shrub              | 2.1   | Unspecified     | Unspecified                        | Low, bog area on Edison-Sault power line R-O-W, with<br>Cranberry Lake Road bisecting it.                       |
| 18    | 310 - Herbaceous Openland        | 3.3   | Yes             | Medium                             | Edison-Sault power line R-O-W.  |
| 23    | 320 - Upland Shrub               | 6.1   | No              | Unspecified                        | Mostly open. WP of various sizes - 4" max dbh but short,<br>bushy. Cherry shrubs - small. Scattered JP, A, etc. |
| 29    | 50 - Water                       | 16.5  | No              | Unspecified                        | Headwaters of Kinny and Peter's Creek.  |
| 35    | 622 - Lowland Shrub              | 39.9  | No              | Unspecified                        | Headwaters of Kinny and Peter's Creek.  |
| 40    | 320 - Upland Shrub               | 4.1   | No              | Unspecified                        |   |
| 47    | 622 - Lowland Shrub              | 5.0   | No              | Unspecified                        | Seasonally wet bog/pond.  |
| 48    | 622 - Lowland Shrub              | 6.0   | No              | Unspecified                        | Seasonally wet.   |
| 49    | 310 - Herbaceous Openland        | 2.4   | No              | Unspecified                        | Southern area burned with adjacent pine underburn.  |
| 50    | 629 - Mixed non-forested wetland | 19.7  | No              | Unspecified                        | Some scattered trees.   |
| 52    | 3102 - Grass                     | 6.0   | Yes             | Medium                             | Edison-Sault power line R-O-W.  |
| 59    | 11 - Low Intensity Urban         | 3.1   | Yes             | Medium                             | State Police radio tower site.  |
| 62    | 629 - Mixed non-forested wetland | 1.9   | No              | Unspecified                        |   |

Compartment: 171

Year of Entry: 2015

NATURA

| Stand | Cover Type                       | Acres | Managed<br>Site | Management Priority<br>(Objective) | General Comments:   |
|-------|----------------------------------|-------|-----------------|------------------------------------|---|
| 63    | 122 - Road/Parking Lot           | 6.9   | Yes             | Medium                             | Railroad R-O-W  |
| 64    | 629 - Mixed non-forested wetland | 14.9  | No              | Unspecified                        | Scattered C & T.  |
| 65    | 122 - Road/Parking Lot           | 9.8   | Yes             | Medium                             | H-40  |
| 66    | 622 - Lowland Shrub              | 2.4   | No              | Unspecified                        | Between RR and H-40.  |
| 68    | 622 - Lowland Shrub              | 2.6   | No              | Unspecified                        | Skinny strip along H-40. Scattered trees - T & C.   |
| 69    | 622 - Lowland Shrub              | 4.8   | No              | Unspecified                        |   |
| 71    | 3303 - Mixed Low Density Trees   | 2.1   | No              | Unspecified                        | Between RR and H-40. Scattered trees.   |
| 72    | 622 - Lowland Shrub              | 2.6   | No              | Unspecified                        | Headwaters of Peter's Creek   |
| 73    | 330 - Low-Density Trees          | 1.2   | No              | Unspecified                        | Between RR and H-40   |
| 75    | 50 - Water                       | 4.3   | No              | Unspecified                        | Geese often nest here.  |
| 76    | 622 - Lowland Shrub              | 4.5   | No              | Unspecified                        |   |
| 86    | 3204 - Mast Producing Shrub      | 22.1  | No              | Unspecified                        | Small areas have filled in with JP. Old Township Dump<br>located in southwest corner of stand. Hawthorn located in<br>southeast corner of stand (planted by W/L). |
| 87    | 3303 - Mixed Low Density Trees   | 7.0   | No              | Unspecified                        | Mainly G with old WP stumps. Scattered red maple.<br>Herbicided in 1973. Peter's Creek Ski Trail runs thru stand.   |
| 88    | 622 - Lowland Shrub              | 4.2   | No              | Unspecified                        |   |
| 89    | 622 - Lowland Shrub              | 15.1  | No              | Unspecified                        | Kinny Creek.  |
|       |                                  |       |                 |                                    |   |