



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45143

Entry Year 2020

Acreage: 1,569

County Mackinac

Management Area: Lake Michigan Shoreline

Revision Date: 2018-08-02

Stand Examiner: Steve Touvila

Legal Description:

T43N-R8W Section 35; Hudson Township
T42N-R8W Sections 1 & 2; Hudson Township
T42N-R7W Section 6; Hendricks Township

Identified Planning Goals:

This compartment is in the Lake Michigan Shoreline Management Area. The compartment contains Wooded-Dune and Swale Complexes along with other sensitive plant and animal communities, mostly along the lakeshore, that have special management considerations that will enhance their attributes. Spruce budworm has entered some stands within the compartment. Harvests are planned in these stands. There are stands with aging and declining paper birch, within some of these stands harvests are planned to enhance the age class diversity of the birch.

Soil and topography:

Majority of compartment is low ground with some "ridges" of upland areas. Some ridge and swale complex is found along the lakeshore. Soil types found within the compartment include; Leafriver-Croswell-Wainola, Esau-Zela, Croswell-Wainola, Paquin-Finch, Eastport, Eastport-Leafriver, Markey and Carbondale Mucks, Markey-Spot-Finch, Histosols and Aquents, Pullup, Croswell-Markey. Most of the soils indicate low-lying areas that are fairly wet on site. Some of the soils (Pullup) indicate ridges of higher, dry areas.

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

There are four parcels of private property along the Lake Michigan shoreline within the compartment. State of Michigan lands surround the compartment on three sides with Lake Michigan bordering the compartment on the south side.

Unique Natural Features:

The compartment is considered a deer wintering area. There are several locations of sensitive plant and animal communities along the lakeshore. The Wooded Dune-Swale Complex ERA is also located near the lakeshore. The compartment has Davenport Creek along with several other small creeks running through it.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

The Wooded Dune and Swale Complex is designated as an Ecological Reference Area (ERA) and will be managed according to the plan for this ERA.

Watershed and Fisheries Considerations:

The western region of this compartment contains Davenport Creek which serves as a tributary to Lake Michigan. Davenport Creek is designated a Type 1 trout stream less than 50' width. A 300' buffer is recommended for Davenport Creek in riparian areas susceptible to Aspen regeneration (specifically stands 24, 28, and 34). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices (specifically stand 37). The eastern region of this compartment contains reaches of Paquin Creek which serves as a tributary to Lake Michigan. Paquin Creek is designated a 10 Brook Trout Bag Limit trout stream less than 50' width. A 300' buffer is recommended for Paquin Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices. The central region of this compartment contains an unnamed waterbody and an unnamed stream which serve as tributaries to Lake Michigan. This unnamed stream is a designated Type 1 trout stream less than 50' width. A 300' buffer is recommended for the unnamed tributary in riparian areas susceptible to Aspen regeneration (specifically stands 45 and 48). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in

accordance with Best Management Practices. A 100' plus 5' per 1% increase in slope; buffer is recommended to protect shoreland areas adjacent to the unnamed waterbody, in accordance with Best Management Practices (specifically stands 45 and 48).

Wildlife Habitat Considerations:

Compartment 143 is part of the Lake Michigan Shoreline MA where featured wildlife species include piping plover and white-tailed deer. The entire compartment is in deer wintering complex. Wooded dune and swale complex is common near the Lake Michigan shoreline. The eastern side of the compartment is dominated by lowland conifer stands. The western side contains more of a mix. Aspen and mixed stands are intermixed with lowland conifer stands ranging from cedar to black spruce. Cedar stands will be left to provide cover for wintering deer. Cedar will be left where it is a component in other stands to provide cover patches and to maintain diversity within those stands. Treated stands will generally favor young early successional habitat beneficial to ruffed grouse, woodcock, snowshoe hare, deer, bear, and a variety of other species. Coastal lakeshore areas will be protected to maintain that habitat for shoreline species, such as plovers.

Mineral Resource and Development Concerns and/or Restrictions

There is no known active mineral extraction occurring in the area. There appears to be some sand & gravel potential within the compartment, but the water table is shallow. There is no known metallic mineral potential in this part of the state, and there is currently no economical oil and gas potential in the UP.

Vehicle Access:

Access into the compartment is limited due to the low ground conditions, private land holdings and proximity to the lakeshore. Highway US-2 provides the main access through the compartment. The Hog Island county road runs up the west edge of the compartment with several poor dirt roads branching off to the east. There is some access through private landowners.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The largest forms of recreation within the compartment are hunting, both deer and small game; and fishing. There is evidence of ORV traffic in accessible areas of the compartment. Walking and wildlife viewing are also possible types of recreation within the compartment.

Fire Protection:

The compartment lies in a low risk area for fire danger. Cover types present and the low ground within the compartment are not as susceptible to wildfire as other areas. There is a dry hydrant located by Paquin Creek.

Additional Compartment Information:

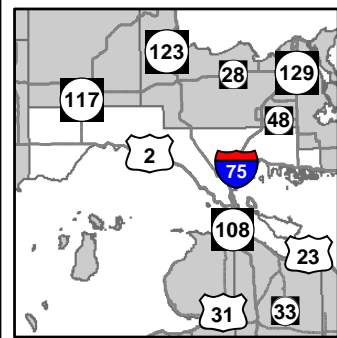
The following reports from the Inventory are attached:

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

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

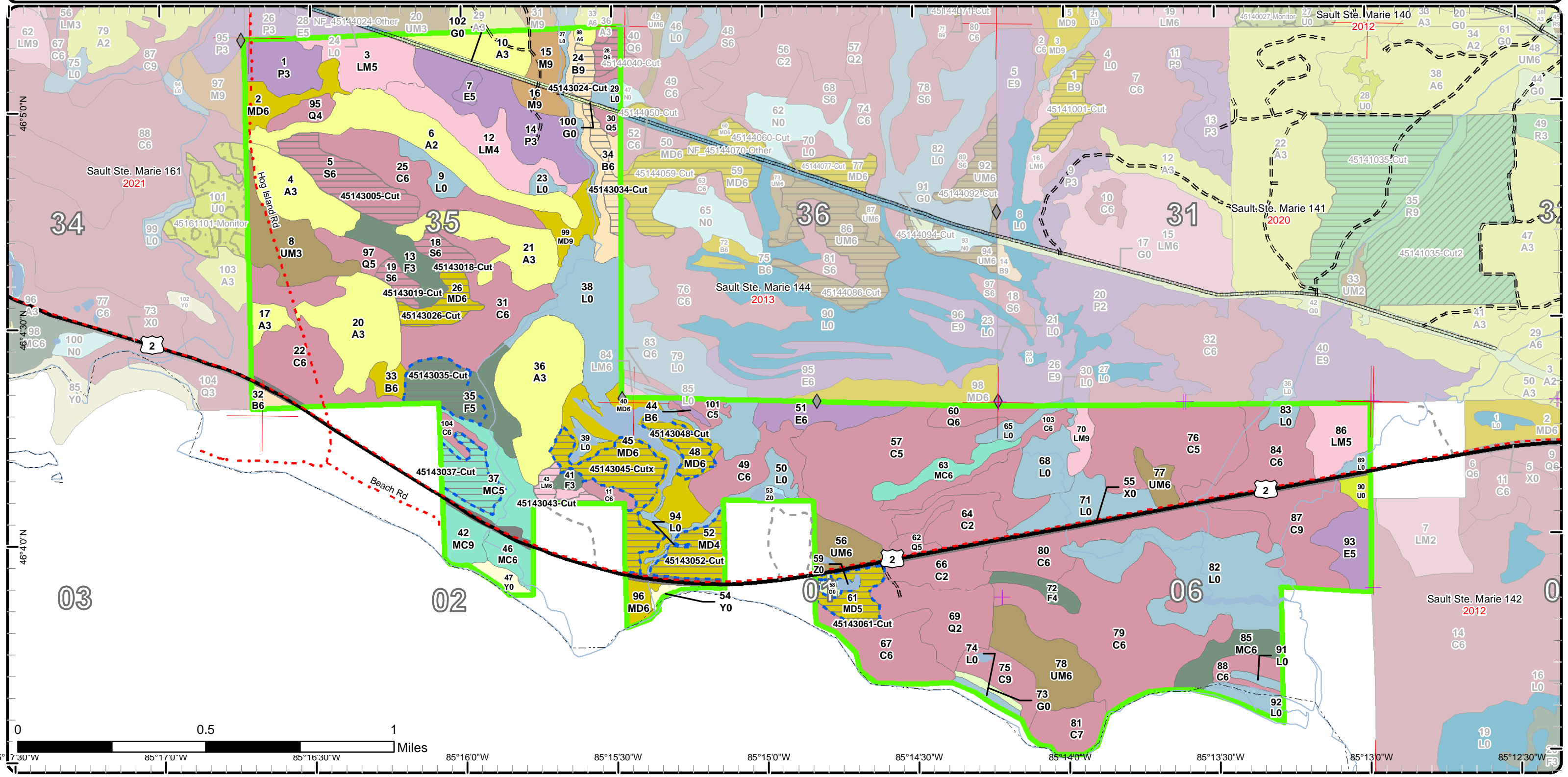
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



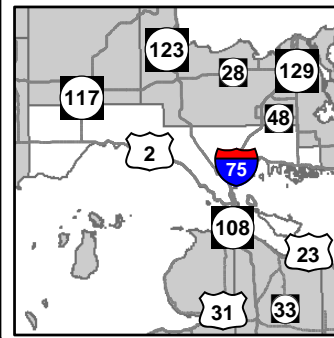
Compartment: 143
 T43N, R08W, Sec: 35
 T42N, R08W, Sec. 01, 02
 T42N, R07W, Sec. 06
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Lake Michigan
 Shoreline
 YOE: 2020
 Acres: 1,569 GIS Calculated
 Examiner: Steve Touvila
 Map Revised: 12/13/2018
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- Designated Bicycle Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Pesticide
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes



Stand Boundary Map

Compartment: 143
 T43N, R08W, Sec: 35
 T42N, R08W, Sec. 01, 02
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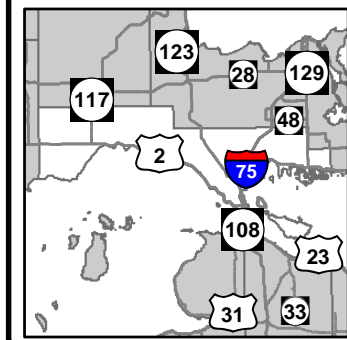


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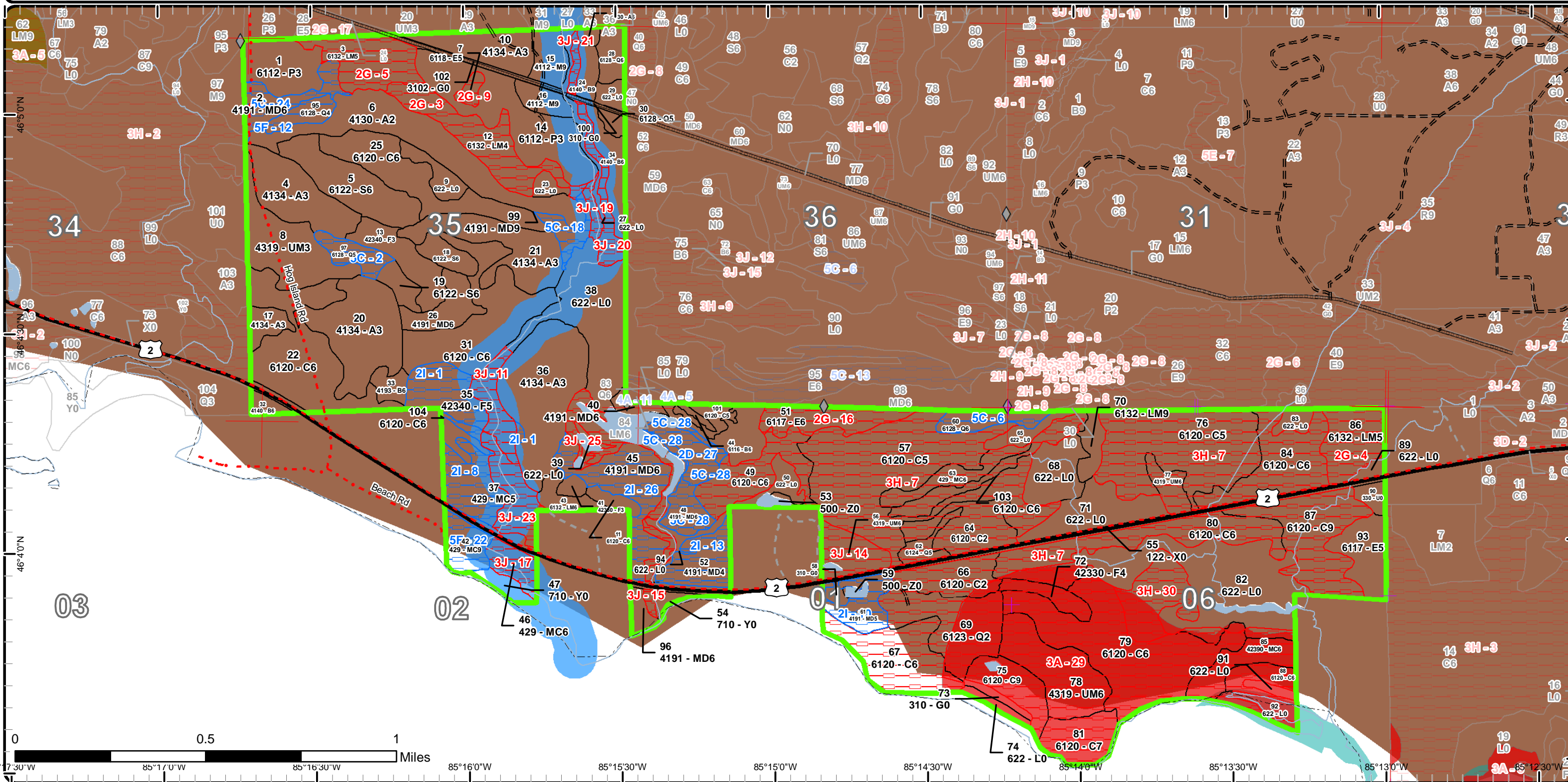


Special Conservation Areas & Site Conditions Map

Compartment: 143
 T43N, R08W, Sec: 35
 T42N, R08W, Sec: 01, 02
 T42N, R07W, Sec: 06
 County: Mackinac
 Unit: Sault Ste. Marie
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- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- Coastal Environmental Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Possible Type 2 Old Growth



Report 1 – Total Acres by Cover Type and Age Class



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|-----------------------------|------------|-----------|----------|------------|-----------|----------|----------|-----------|-----------|------------|------------|------------|-----------|-----------|----------|----------|-----------|-------------|-------------|
| Aspen | 0 | 40 | 0 | 137 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 214 | 56 | 69 | 89 | 0 | 0 | 14 | 0 | 0 | 538 |
| Herbaceous Openland | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Low-Density Trees | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 0 | 36 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 7 | 0 | 25 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 61 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| Lowland Shrub | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 195 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Paper Birch | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 9 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| Sand, Soil | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 22 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| Upland Mixed Forest | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| Upland Spruce/Fir | 0 | 0 | 0 | 16 | 6 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| Urban | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Water | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 239 | 65 | 0 | 189 | 58 | 5 | 0 | 26 | 38 | 295 | 360 | 126 | 69 | 91 | 0 | 0 | 14 | 0 | 1572 |



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 143
Total Compartment Acres: 1,569

Commercial Harvest - 67
Harvests with Site Condition - 86
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|------------------------|------------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Lowland Conifers | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Lowland Mixed Forest | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Lowland Spruce/Fir | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Mixed Upland Deciduous | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| Paper Birch | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Upland Conifers | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Upland Spruce/Fir | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Total | 153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 153 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 153 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 154 |
| Next Step | 0 | 0 | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 154 |
| Total | 153 | 0 | 0 | 0 | 0 | 2 | 154 | 0 | 0 | 309 |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|------------------------------|----------------|-------|--|-----------------|-----------|-------------|----------------|-------------------------|----------------------------|---------------|----------------------|
| 5 | 45143005-Cut | 23.7 | 6122 - Black Spruce | Poletimber Well | 80 | Unspecified | Harvest | Clearcut with Retention | 6122 - Black Spruce | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription Specs:</u> | | | Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut cedar unless a few select trees are required to be cut for operation, and do not reach into cedar pockets to harvest other species. Don't cut white pine or hemlock. Winter cut during frozen ground conditions. Winter cut (Dec. 1-Mar. 31) to provide tops for wintering deer. If practical, create brush piles while processing for hare particularly along stand edge. | | | | | | | | |
| <u>Next Step Treatments:</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Acceptable Regen:</u> | | | A Moderate to fully stocked stand of spruce, fir, aspen, maple and cherry. | | | | | | | | |
| <u>Other Comment:</u> | | | Make sure SBW is added to sale name to identify as a spruce budworm cut. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/1 /2019 | | | | | | | | |
| 18 | 45143018-Cut | 6.2 | 6122 - Black Spruce | Poletimber Well | 98 | 81-110 | Harvest | Clearcut with Retention | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription Specs:</u> | | | Winter cut during frozen conditions. Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut white pine, hemlock, or cedar, and do not reach into cedar pockets to harvest other species. Winter cut (Dec. 1-Mar. 31). to provide tops for wintering deer. If practical, create brush piles while processing for hare particularly along stand edge. | | | | | | | | |
| <u>Next Step Treatments:</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Acceptable Regen:</u> | | | Black spruce, white spruce, maple, paper and yellow birch, aspen, tamarack, hemlock, white pine, and balsam fir. | | | | | | | | |
| <u>Other Comment:</u> | | | If there is too much to cut in this compartment I would leave this stand for age class diversity and cut stand 19 S6 before cutting this stand. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/1 /2019 | | | | | | | | |
| 19 | 45143019-Cut | 5.0 | 6122 - Black Spruce | Poletimber Well | 98 | 111-140 | Harvest | Clearcut with Retention | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription Specs:</u> | | | Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut cedar unless a few select trees are required to be cut for operation, and do not reach into cedar pockets to harvest other species. Don't cut white pine or hemlock. Winter cut during frozen ground conditions. Winter cut (Dec. 1-Mar. 31) to provide tops for wintering deer. If practical, create brush piles while processing for hare particularly along stand edge. | | | | | | | | |
| <u>Next Step Treatments:</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Acceptable Regen:</u> | | | Maple, paper and yellow birch, aspen, black spruce, white spruce, balsam fir, tamarack, cedar, white pine, hemlock. | | | | | | | | |
| <u>Other Comment:</u> | | | Cedar is scattered and thin enough that operations around them shouldn't be a problem. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/1 /2019 | | | | | | | | |
| 24 | 45143024-Cut | 4.5 | 4140 - Other Upland Deciduous | Sawtimber Well | 99 | 81-110 | Harvest | Clearcut with Retention | 4319 - Mixed Upland Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription Specs:</u> | | | Cut all deciduous to 2" DBH and all conifer to 4" BDH. Don't cut cedar or any white pine if found. Leave 150' buffer from the Davenport. Use stand for access to the timber to the south of the pipeline. Leave representative mature tree spaced every 75'. Most cedar is along the east/west edges of the stand. Winter cut Dec.1-Mar.31 for wintering deer. | | | | | | | | |
| <u>Next Step Treatments:</u> | | | Monitoring, Natural Regen (Intermediate) | | | | | | | | |
| <u>Acceptable Regen:</u> | | | Aspen, maple, cherry, beech, yellow and paper birch, balsam fir, white spruce, cedar, hemlock, and white pine. | | | | | | | | |
| <u>Other Comment:</u> | | | Most cedar is on the west side in the site conditioned area or on the eastern edge. Will need specs to protect the snowmobile trail. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/1 /2019 | | | | | | | | |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|--|-----------------|-----------|----------|----------------|-------------------------|-------------------------------------|---------------|----------------------|
| 26 | 45143026-Cut | 10.8 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 84 | 81-110 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre).

Specs: Don't cut white pine, cedar, hemlock, or yellow birch, and do not reach into cedar pockets to harvest other species. Winter cut (Dec.1-Mar.31) to provide tops for wintering deer. If practical, create brush piles while processing for hare particularly along stand edge.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Paper and yellow birch, maple, aspen, black cherry, balsam fir, black spruce, white spruce, cedar, and white pine.

Other

There's only a few 6" yellow birch in this stand.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|-----|--|-----------------|----|--------|---------|-------------------------|----------------------------|-----------|----------------------|
| 28 | 45143028-Cut | 4.2 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 96 | 81-110 | Harvest | Clearcut with Retention | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |
|----|--------------|-----|--|-----------------|----|--------|---------|-------------------------|----------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre).

Specs: Don't cut cedar, white pine, or hemlock, and do not reach into cedar pockets to cut other species. Within the treatment area the cedar is scattered enough to operate around. The proposed north treatment line excludes a thick patch of cedar. The south line may be able to be expanded further south depending on ground conditions. Winter cut Dec. 1- Mar. 31 to provide tops for foraging deer. Will needs specs to protect the snowmobile trail

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen, maple, yellow and paper birch, balsam fir, white spruce, black spruce, cedar, hemlock, and white pine.

Other

Winter cut Dec. 1- Mar. 31 to provide tops for foraging deer. Will needs specs to protect the snowmobile trail

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|-----|-------------------------------|-----------------|-----|--------|---------|-------------------------|----------------------------|-----------|----------------------|
| 34 | 45143034-Cut | 7.6 | 4140 - Other Upland Deciduous | Poletimber Well | 100 | 81-110 | Harvest | Clearcut with Retention | 4319 - Mixed Upland Forest | Even-Aged | Draft Field Boundary |
|----|--------------|-----|-------------------------------|-----------------|-----|--------|---------|-------------------------|----------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut leaving any white pine or cedar that may be found. Leave a representative mature tree spaced every 75'. Need 150' buffer along

Specs: Davenport Creek. To access south part of stand need to timber mat across drainage in stand 30, then timber mat and freeze again to get on ridge of compartment line, then timber mat or place culvert in another drainage, and then timber mat and/or freeze to get into 45144 stand 59 to access south part of this stand. Will need to look it snow free this summer. Winter cut (Dec. 1-Mar. 31) so tops are available as browse for wintering deer.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Birch, maple, black cherry, balsam fir, white spruce, white pine, hemlock, aspen, beech.

Other

If we can't access the south part of the stand we will not be able to cut that portion. Acreage may vary depending on ground conditions. Winter cut from Dec.1- March 31 to provide tops for browsing deer. Will need specs to protect the snowmobile trail also.

Comment:

Proposed Start Date: 10/1 /2019



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|---------------------------|-------------------|-----------|----------|----------------|-------------------------|----------------------|---------------|----------------------|
| 35 | 45143035-Cut | 15.3 | 42340 - Upland Spruce/Fir | Poletimber Medium | 63 | 1-50 | Harvest | Clearcut with Retention | 42330 - Upland Fir | Even-Aged | Draft Field Boundary |

Habitat Cut: No Site Condition: Survey Needed

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Don't cut cedar unless a few select trees are required to be cut for operation, and do not reach into cedar pockets to harvest other species. Don't cut white pine or hemlock. Winter cut during frozen ground conditions. Winter cut (Dec. 1-Mar. 31) to provide tops for wintering deer. If practical, create brush piles while processing for hare particularly along stand edge.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Maple, paper and yellow birch, aspen, black spruce, white spruce, balsam fir, tamarack, cedar, white pine, hemlock.

Other Make sure SBW is added to sale name to identify as a spruce budworm cut.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|-----------------------------|-------------------|-----|-------|---------|-------------------------|-----------------------------|-----------|----------------------|
| 37 | 45143037-Cut | 12.7 | 429 - Mixed Upland Conifers | Poletimber Medium | 101 | 51-80 | Harvest | Clearcut with Retention | 429 - Mixed Upland Conifers | Even-Aged | Draft Field Boundary |
|----|--------------|------|-----------------------------|-------------------|-----|-------|---------|-------------------------|-----------------------------|-----------|----------------------|

Habitat Cut: No Site Condition: Survey Needed

Prescription Clear cut leaving mature representative species every 75'. Don't cut WP, hemlock, or cedar unless needed for operations, and don't reach into cedar pockets to harvest other species. Will need to buffer Davenport Creek 150'. Acreage may vary depending on ground conditions. Leave a buffer along US-2.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Birch, maple, white spruce, balsam fir, black spruce, white pine, beech.

Regen:

Other Cut during dry summer or frozen winter conditions.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|-----|--|-----------------|----|--------|---------|-------------------------|----------------------------|-----------|----------------------|
| 43 | 45143043-Cut | 4.6 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Well | 84 | 81-110 | Harvest | Clearcut with Retention | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |
|----|--------------|-----|--|-----------------|----|--------|---------|-------------------------|----------------------------|-----------|----------------------|

Habitat Cut: No Site Condition:

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre). Stay out of patches of thick cedar and only cut others if needed for operation. Don't cut cedar or red pine. There's a swale to stay out of. Proposed line stays out of a thick area of cedar. Winter cut Dec. 1 to Mar. 31 so tops are available to wintering deer.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Balsam fir, black spruce, white spruce, cedar, red maple, aspen, balsam poplar, birch, white pine, red pine, and black ash.

Regen:

Other Only a couple of red pine in the stand.

Comment:

Proposed Start Date: 10/1 /2019

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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|------------------|-------|--|-----------------|-----------|----------|----------------|-------------------------|-------------------------------------|---------------|----------------------|
| 45 45143045-Cutx | 25.4 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 87 | 81-110 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition: Survey Needed**

Prescription Center of stand is under prescription with Seven Bridges Mix. We could cut the rest of the stand as the fir/spruce component is greater in the other areas of the stand. Prescription would be clearcut leaving white pine and representative mature tree spaced every 75'. Leave all cedar, hemlock, and closed canopy areas, and do not reach into cedar or hemlock clumps to harvest other species. Conditions require dry summer conditions or frozen for operation. Winter cut (Dec. 1-Mar. 31) so tops are available as browse for wintering deer. Leave 100' buffer along lowland area of stand 39 and the creek. The southern part of stand 39 can have a 50' buffer along it.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Birch, maple, aspen, white pine, white spruce, balsam fir, beech.
Regen:

Other Southern portion south of the bottle neck can be a summer harvest, north of the bottle neck should be a winter cut.
Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | |
|-----------------|-----|--|-----------------|----|--------|---------|-------------------------|-------------------------------------|-----------|----------------------|
| 48 45143048-Cut | 8.4 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 87 | 81-110 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | Draft Field Boundary |
|-----------------|-----|--|-----------------|----|--------|---------|-------------------------|-------------------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition: Portable Bridge Needed**

Prescription Cut all deciduous 2" or more and conifer 4" or more. Leave a representative, healthy, mature tree spaced every 75ft (this will leave 8 trees per acre).
Specs: Stay out of patches of thick cedar. Do not cut hemlock unless it is required for operation. Winter harvest only due to deer wintering area.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Moderate to fully stocked stand of aspen, maple, pine, fur, and spruce.
Regen:

Other Crane mats will be needed to cross drainage.
Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | |
|-----------------|------|--|-----------------|----|------|---------|----------|-------------------------------------|-----------|----------------------|
| 52 45143052-Cut | 13.7 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Poor | 87 | 1-50 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | Draft Field Boundary |
|-----------------|------|--|-----------------|----|------|---------|----------|-------------------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition: Survey Needed**

Prescription Cut all trees 2" or more. Do not cut hemlock, cedar or white pine unless it is required for operation. This is a Spruce Budworm stand and should have SBW in the sale name.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A fully to moderately stocked stand of Aspen, Maple, Balsam, Cedar, Spruce,
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | |
|-------------------|-----|---------------------------|------------|-------------|--|-----------|--------------------|---------------------------|--|----------------------|
| 58 45143058-Spray | 1.6 | 310 - Herbaceous Openland | Nonstocked | Unspecified | | Pesticide | Skidder/Mechanical | 310 - Herbaceous Openland | | Draft Field Boundary |
|-------------------|-----|---------------------------|------------|-------------|--|-----------|--------------------|---------------------------|--|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Spray or pull spotted nap weed.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------|-------|--|-------------------|-----------|----------|----------------|------------------|-------------------------------------|---------------|----------------------|
| 61 45143061-Cut | 10.6 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 94 | 51-80 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | Draft Field Boundary |

Habitat Cut: No **Site Condition: Survey Needed**

Prescription Specs: Cut all trees 2" or more. Do not cut hemlock, cedar or white pine unless it is required for operation. This is a Spruce Budworm stand and should have SBW in the sale name.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: A fully to moderately stocked stand of Aspen, Maple, Balsam, Cedar, Spruce.

Other Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 154.3

Report 4 – Site Conditions

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Steve Touvila : Examiner

Compartment: 143

Year of Entry: 2020

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Acres Not Available | | Dominant Site Conditions | | | | | | | | | |
|----------------|--------------------|----------------|-----|------------------------|-----------------------------|--------------------------|----|----|----|----|-----|-----|-----|----|----|
| | | With Condition | | | | 2D | 2I | 5C | 5F | 2G | 3A | 3H | 3J | | |
| 183 | 183 | 0 | 0 | 0 | Aspen | | | | | | | | | | |
| 536 | 115 | 0 | 421 | 421 | Cedar | | | | | | | 98 | 320 | 3 | |
| 9 | 9 | 0 | 0 | 0 | Herbaceous Openland | | | | | | | | | | |
| 3 | 3 | 0 | 0 | 0 | Low-Density Trees | | | | | | | | | | |
| 52 | 52 | 0 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | | | | | | | | |
| 62 | 9 | 21 | 32 | 32 | Lowland Conifers | | | 15 | 6 | | | 15 | 17 | | |
| 31 | 14 | 0 | 17 | 17 | Lowland Deciduous | | | | | | 17 | | | | |
| 73 | 11 | 0 | 62 | 62 | Lowland Mixed Forest | | | | | | 62 | | | | |
| 195 | 188 | 0 | 7 | 7 | Lowland Shrub | | | | | | | 7 | | | |
| 35 | 35 | 0 | 0 | 0 | Lowland Spruce/Fir | | | | | | | | | | |
| 124 | 18 | 86 | 20 | 20 | Mixed Upland Deciduous | 8 | 50 | 28 | | | | | 0 | 20 | |
| 14 | 14 | 0 | 0 | 0 | Northern Hardwood | | | | | | | | | | |
| 33 | 23 | 0 | 10 | 10 | Paper Birch | | | | | | | | | | 10 |
| 6 | 6 | 0 | 0 | 0 | Sand, Soil | | | | | | | | | | |
| 69 | 0 | 26 | 43 | 43 | Upland Conifers | | 17 | | 9 | | | 13 | 10 | 21 | |
| 69 | 25 | 0 | 44 | 44 | Upland Mixed Forest | | | | | | | 26 | 6 | 12 | |
| 49 | 16 | 16 | 16 | 16 | Upland Spruce/Fir | | 16 | | | | | 6 | | 10 | |
| 23 | 23 | 0 | 0 | 0 | Urban | | | | | | | | | | |
| 3 | 3 | 0 | 0 | 0 | Water | | | | | | | | | | |
| 1,569 | 748 | 149 | 672 | 672 | Total Forested Acres | 8 | 83 | 43 | 15 | 78 | 164 | 353 | 76 | | |
| | 48% | 9% | 43% | | Relative Percent | | | | | | | | | | |

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|---------------------------------|-------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Available | 2I: Survey needed | 16 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| | | | | | | | |

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| | | | | | | | |
|-----------|-------------|--|----|-------------|-------------|-------------|-------------|
| 2 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 25 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 20 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------|--------------------|--|-----|---|-------------|-------------|-------------|
| 7 | Unavailable | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 334 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Available | 2I: Survey needed | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Available | 2I: Survey needed | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 5F: Evaluated for Forest Health Considerations | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|-----------|-------------|--|----|--|-------------|-------------|-------------|
| 13 | Available | 2I: Survey needed | 14 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 12 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 15 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 16 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 14 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 17 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 18 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------------------|-------------|--|----|-------------|-------------|-------------|-------------|
| 19 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 20 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 22 | Available | 5F: Evaluated for Forest Health Considerations | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 23 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Monitor for SBW | | | | | | | |
| 24 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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Year of Entry: 2020

| | | | | | | | |
|--|-------------|--|-----|---|-------------|-------------|-------------|
| 25 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 16 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 26 | Available | 2I: Survey needed | 26 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 27 | Available | 2D: Portable Bridge Needed (Dept. bridge will be adequate) | 8 | 2I: Survey needed | Unspecified | Unspecified | Unspecified |
| Comments: survey needed on stand 45 | | | | | | | |
| 28 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 29 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 164 | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: ERA | | | | | | | |
| 30 | Unavailable | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 19 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

| SCA Name | SCA Category | Detail Type | Recommendation | Acres |
|----------|--------------|-------------|----------------|-------|
|----------|--------------|-------------|----------------|-------|

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

| Conservation Area | Type | Description |
|-------------------|-----------------------------|--|
| SCA | Cold Water Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Habitat Area | An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies. |
| SCA | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |
| HCVA | Coastal Environmental Areas | The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ. |
| ERA | Ecological Reference Areas | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------|-------|--------------|-------------|---|
| 1 | 6112 - Lowland Aspen | Sapling Well | 16.5 | 32 | Immature | Stand was cut in 86 and cleaned up in 92. Most of aspen is in the northern 1/3 of the stand. South of this the ground is lower yet and has black ash, cedar, and some scattered aspen and birch. |
| 2 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 11.4 | 88 | 81-110 | Decent stand with two drainages in the western block of the stand. |
| 3 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Medium | 19.9 | 89 | 51-80 | Stand is very wet and stocking is moderate to poor. |
| 4 | 4134 - Aspen, Spruce/Fir | Sapling Well | 22.7 | 23 | Immature | Cut in 95 as part of East Hog island Birch-Aspen. Regeneration coming in good. A few red maple poles left. |
| 5 | 6122 - Black Spruce | Poletimber Well | 23.7 | 80 | Unspecified | Tamarack is healthy. Sphagnum ground. |
| 6 | 4130 - Aspen | Sapling Medium | 39.6 | 1 | Immature | Stand was cut in the summer of 2016 as part of Seven Bridges sale #451101001. |
| 7 | 6118 - Lowland Deciduous with Cedar | Poletimber Medium | 2.6 | 70 | 51-80 | Wet stand. |
| 8 | 4319 - Mixed Upland Forest | Sapling Well | 25.1 | 8 | Immature | Mix of high and low ground stand is quite variable. Cut in 2010 as part of Bridge Over Run Mix sale #451070201. Some leave trees were left in north part of stand. The regeneration in the lower areas is a bit slower and shorter but coming in. West side of Hog Island road has more aspen than east side. |
| 10 | 4134 - Aspen, Spruce/Fir | Sapling Well | 14.8 | 28 | Immature | Cut in 1990. Thick regeneration. Some wet areas in the stand. |
| 11 | 6120 - Lowland Cedar | Poletimber Well | 3.5 | 110 | 141-170 | Mostly high ground for cedar. Paper birch and aspen over tops the cedar. |
| 12 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Poor | 24.9 | 99 | 51-80 | Really soft ground. BA averages to 51. |
| 13 | 42340 - Upland Spruce/Fir | Sapling Well | 14.2 | 23 | Immature | Regeneration looking good. |
| 14 | 6112 - Lowland Aspen | Sapling Well | 35.7 | 23 | Immature | Cut in '95. Good regeneration, thick tag alder areas in the real low spots throughout the stand. |
| 15 | 4112 - Maple, Beech, Cherry Association | Sawtimber Well | 7.9 | 101 | 81-110 | Some large red maple are declining. Lots of deer browse on the smaller red maple regeneration. Plenty of canopy openings with red maple saplings recruiting on up in those spots. Large beech have died off. |
| 16 | 4112 - Maple, Beech, Cherry Association | Sawtimber Well | 5.9 | 101 | 81-110 | Heavy deer browse on red maple saplings. |
| 17 | 4134 - Aspen, Spruce/Fir | Sapling Well | 5.4 | 32 | Immature | Aspen 30' tall, some low ground. Good regeneration. Any red maple regeneration had heavy deer browse. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 18 | 6122 - Black Spruce | Poletimber Well | 6.2 | 98 | 81-110 | Decent spruce, stocking a bit patchy but overall around 110. Sphagnum ground cover but workable. |
| 19 | 6122 - Black Spruce | Poletimber Well | 5.0 | 98 | 111-140 | Large black spruce in this stand. With some white pine, hemlock, red maple and paper birch scattered throughout the stand. |
| 20 | 4134 - Aspen, Spruce/Fir | Sapling Well | 32.7 | 23 | Immature | Cut in 95 as part of E. Hog Island Birch-Aspen. Topography is rolling, mature cedar left in the depressions/swales. Regeneration looks good. Red maple regeneration had heavy deer browse leaving 3' tall dead red maple. |
| 21 | 4134 - Aspen, Spruce/Fir | Sapling Well | 25.0 | 23 | Immature | Regeneration looking good. Ground is soft in the southeastern portion of stand. |
| 22 | 6120 - Lowland Cedar | Poletimber Well | 41.0 | 118 | 141-170 | Some decent cedar ground in areas. Paper birch looks good. |
| 24 | 4140 - Other Upland Deciduous | Sawtimber Well | 6.6 | 99 | 81-110 | Real nice quality paper birch with a good amount of log sized paper birch. About 10% of the paper birch has died back and will probably continue and accelerate, should harvest the stand and reset the birch. A few very large aspen. |
| 25 | 6120 - Lowland Cedar | Poletimber Well | 27.6 | 93 | 111-140 | |
| 26 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 10.8 | 84 | 81-110 | Heavy balsam understory. birch diameters are fairly small and a few have dead tops. |
| 28 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 6.3 | 96 | 81-110 | Good quality Q6 stand, should regenerate well. Should reset this stand as birch is starting to die back. |
| 30 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 2.3 | 120 | 51-80 | Wet stand. |
| 31 | 6120 - Lowland Cedar | Poletimber Well | 37.3 | 84 | 141-170 | Good ground in this cedar stand. |
| 32 | 4140 - Other Upland Deciduous | Poletimber Well | 2.7 | 99 | 81-110 | |
| 33 | 4193 - Birch, Aspen | Poletimber Well | 4.5 | 45 | 1-50 | Just entered pole sized stand. Still plenty of saplings though. Paper birch really came in good. |
| 34 | 4140 - Other Upland Deciduous | Poletimber Well | 18.1 | 100 | 81-110 | Nice stand of timber. Access through stand to the north and mat across the pipeline. Some large scattered white spruce. Drainage that splits the stand is too wide for a portable bridge. |
| 35 | 42340 - Upland Spruce/Fir | Poletimber Medium | 25.9 | 63 | 1-50 | Poor quality paper birch that has largely died off since last inventory. More of the remaining birch is in the north and northwest parts of the stand. Spruce budworm has affected about 10-15% of the merchantable BF. Only a few dead as of now and so far only narrowing of the top 10' of the BF. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 36 | 4134 - Aspen, Spruce/Fir | Sapling Well | 41.5 | 29 | Immature | Good mixed regeneration. Will be an A6 stand before 10 years. |
| 37 | 429 - Mixed Upland Conifers | Poletimber Medium | 30.3 | 101 | 51-80 | Rolling terrain (ridge & swale). Stocking is spotty. Small diameters in the birch. The Davenport Cr. flows through stand. |
| 40 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 3.7 | 88 | 81-110 | Upland stand with some tag alder in the couple swales. |
| 41 | 42330 - Upland Fir | Sapling Well | 2.2 | 28 | Unspecified | Area of heavy windthrown coming back to balsam. A few scattered pole sized white spruce widely scattered. |
| 42 | 429 - Mixed Upland Conifers | Sawtimber Well | 9.3 | 95 | 81-110 | Stand is healthy. The cedar is in a couple patches in the south half of the stand. |
| 43 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Well | 5.7 | 84 | 81-110 | Aspen is large and dying. Would be good time to regenerate the stand. Cedar is common in the stand, and is providing cover. |
| 44 | 6116 - Lowland Birch | Poletimber Well | 1.1 | 88 | 81-110 | Lots of 7" balsam blowdown in the stand. Paper birch is dying back. |
| 45 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 41.5 | 87 | 81-110 | Some pockets of lower ground with heavy underbrush. Birch is dying out in spots. Fairly poor quality wood. |
| 46 | 429 - Mixed Upland Conifers | Poletimber Well | 7.5 | 100 | 81-110 | Hilly terrain. Close to road, lake and the Davenport Creek. |
| 48 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 19.0 | 87 | 81-110 | Birch is dying out. Stocking is really low in south half of the stand. Very thick 2" fir sub canopy. |
| 49 | 6120 - Lowland Cedar | Poletimber Well | 19.9 | 110 | 141-170 | Quality cedar on good ground. Large balsam poplar over the cedar, with paper birch. |
| 51 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Well | 14.2 | 79 | Unspecified | Some pockets of low ground. Some scattered cedar on south end of stand. |
| 52 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Poor | 13.7 | 87 | 1-50 | Heavy balsam brush, poor quality wood. Terrain is hilly in areas. Stocking is less dense to the north. Paper birch has died off leaving very thick 2" balsam fir. |
| 56 | 4319 - Mixed Upland Forest | Poletimber Well | 11.6 | 98 | 81-110 | Ridge and swale complex, very narrow ridges. Poor quality wood and heavy underbrush. Access will be tough because of all the swales. |
| 57 | 6120 - Lowland Cedar | Poletimber Medium | 75.5 | 98 | 81-110 | Wet stand. |
| 60 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 7.8 | 98 | 81-110 | |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|----------------------|-------|--------------|-------------|--|
| 61 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 10.6 | 94 | 51-80 | Terrain is small rolling hills. Some birch is dying. A lot of 1-3" fir. |
| 62 | 6124 - Lowland Spruce- Fir | Poletimber Medium | 4.5 | 98 | 81-110 | Good ground, one soft stretch at south end of peninsula. A few young aspen at edge of road. |
| 63 | 429 - Mixed Upland Conifers | Poletimber Well | 9.6 | 86 | 81-110 | Upland area with a big mix of species and large white pine. |
| 64 | 6120 - Lowland Cedar | Sapling Medium | 17.5 | 88 | 1-50 | Very wet stand. Some scattered pole sized timber on the west end of the stand. |
| 66 | 6120 - Lowland Cedar | Sapling Medium | 14.4 | 88 | 1-50 | Some scattered pole size timber, especially on the west end of the stand. Very wet. Low quality. |
| 67 | 6120 - Lowland Cedar | Poletimber Well | 26.6 | 87 | 141-170 | Good ground in this cedar stand. Some areas the cedar is 6" with lots of sapling size. |
| 69 | 6123 - Lowland Fir | Sapling Medium | 27.9 | 37 | 1-50 | Poor quality, slow growing site with lots of tag alder. |
| 70 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 5.6 | 98 | 171-200 | Very dense stand with large cedar under the birch. Birch is mostly healthy yet with some that have died. |
| 72 | 42330 - Upland Fir | Poletimber Poor | 6.4 | 38 | 1-50 | Heavy balsam fir saplings with scattered mature trees. |
| 75 | 6120 - Lowland Cedar | Sawtimber Well | 13.2 | 125 | 141-170 | White Pine scattered on the dunes on the south end of the stand, small ridges and swales. |
| 76 | 6120 - Lowland Cedar | Poletimber Medium | 51.7 | 108 | 51-80 | Stocking is variable some areas have moderate stocking and others have none. |
| 77 | 4319 - Mixed Upland Forest | Poletimber Well | 6.2 | 87 | 81-110 | Stand turns more to Q type in north 1/2. |
| 78 | 4319 - Mixed Upland Forest | Poletimber Well | 25.8 | 88 | 81-110 | Some very large old red maple in this stand. Lots of white spruce and balsam fir sub-canopy. |
| 79 | 6120 - Lowland Cedar | Poletimber Well | 75.5 | 125 | 141-170 | Pretty nice cedar in large blocks of the stand. |
| 80 | 6120 - Lowland Cedar | Poletimber Well | 33.7 | 97 | Unspecified | Ground is very wet |
| 81 | 6120 - Lowland Cedar | Sawtimber Poor | 14.0 | 150 | 1-50 | Very large cedar widely spaced cedar. Lots of raspberries growing between the cedar. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-----|--|----------------------|-------|--------------|-------------|--|
| 84 | 6120 - Lowland Cedar | Poletimber Well | 26.6 | 96 | 141-170 | Nice quality cedar decent mix of timber. Lots of deer browse. stand has small tributary to the Paquin Cr. running through the northwest corner. Stocking become less dense to the northeast and more of a birch component, wetter ground also. |
| 85 | 42390 - Mixed Non-Pine Upland Conifers | Poletimber Well | 12.7 | 93 | 111-140 | Stand has gradual ridges and swales. Good looking stand. |
| 86 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Medium | 16.8 | 96 | 51-80 | Very wet stand. |
| 87 | 6120 - Lowland Cedar | Sawtimber Well | 31.6 | 96 | 141-170 | Nice stand, Paquin creek flows through it. |
| 88 | 6120 - Lowland Cedar | Poletimber Well | 7.5 | 96 | 141-170 | Dense stocking medium quality. |
| 93 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 14.1 | 71 | 51-80 | Timber sparse and wet with small black ash and tag alder. |
| 95 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Poor | 5.9 | 90 | 1-50 | Thick balsam fir sub canopy. Not much volume in this stand, basal area about 50. |
| 96 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 5.1 | 87 | 111-140 | Most of this stand is a creek buffer. |
| 97 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 7.2 | 75 | 51-80 | Low ground sphagnum. Basal area is only about 51 with the small diameters. |
| 98 | 4130 - Aspen | Poletimber Well | 1.6 | 38 | 51-80 | Good growth rate and stocking in this stand. Will have to put a road through this stand to access stand 24. |
| 99 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 8.4 | 92 | 111-140 | Some of stand is a buffer for Davenport Creek. |
| 101 | 6120 - Lowland Cedar | Poletimber Medium | 4.7 | 110 | 81-110 | |
| 103 | 6120 - Lowland Cedar | Poletimber Well | 10.9 | 98 | 81-110 | Good ground but north end is wet and a spot with lots of cedar blowdown and a drainage flowing north to south from L0 to L0. |
| 104 | 6120 - Lowland Cedar | Poletimber Well | 3.5 | 101 | 141-170 | Swale area filled with mature cedar. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|--|
| 9 | 622 - Lowland Shrub | 6.2 | No | |
| 23 | 622 - Lowland Shrub | 2.7 | No | |
| 27 | 622 - Lowland Shrub | 4.6 | No | |
| 29 | 622 - Lowland Shrub | 3.4 | No | |
| 38 | 622 - Lowland Shrub | 57.3 | No | |
| 39 | 622 - Lowland Shrub | 2.1 | No | |
| 47 | 710 - Sand, Soil | 4.1 | No | |
| 50 | 622 - Lowland Shrub | 5.7 | No | |
| 53 | 500 - Water | 1.9 | No | |
| 54 | 710 - Sand, Soil | 2.1 | No | |
| 55 | 122 - Road/Parking Lot | 23.1 | No | |
| 58 | 310 - Herbaceous Openland | 1.6 | No | Sandy opening dominated by bracken fern & lichen. Patches of white pine & spruce. Spotted knapweed is creeping in, but isn't widespread yet. |
| 59 | 500 - Water | 1.1 | No | Pond with sweetgale and cattail around the edge. |
| 65 | 622 - Lowland Shrub | 5.4 | No | |
| 68 | 622 - Lowland Shrub | 14.4 | No | |
| 71 | 622 - Lowland Shrub | 18.1 | No | |
| 73 | 310 - Herbaceous Openland | 2.3 | No | |
| 74 | 622 - Lowland Shrub | 2.8 | No | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|--|
| 82 | 622 - Lowland Shrub | 57.6 | No | |
| 83 | 622 - Lowland Shrub | 3.3 | No | |
| 89 | 622 - Lowland Shrub | 2.1 | No | |
| 90 | 330 - Low-Density Trees | 3.4 | No | Scattered 5" black ash with heavy tag alder. |
| 91 | 622 - Lowland Shrub | 2.1 | No | |
| 92 | 622 - Lowland Shrub | 6.8 | No | |
| 94 | 622 - Lowland Shrub | 0.0 | No | |
| 100 | 310 - Herbaceous Openland | 1.2 | No | |
| 102 | 3102 - Grass | 3.6 | No | |