



# Compartment Review Presentation

## Escanaba Forest Management Unit

Compartment 33095

Entry Year 2019

Acreage: 1,384

County Delta

Management Area: Dead Horse Moraines

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**Revision Date:** 2017-06-30

**Stand Examiner:** Dan Racine

### **Legal Description:**

Compartment 95: Sections 23, 26, & 35-36, T43N R22W, Delta County

### **Identified Planning Goals:**

The proposed treatments within the northern hardwood stands are designed to improve the existing stand quality and enhance the regeneration. The treatments in the upland and lowland cover types are designed to regenerate to a mix of the existing overstory species.

### **Soil and topography:**

Topography ranges from level to small hills with moderate slopes. Soils are poorly drained non-acid organics, poorly drained loams, and well drained loams.

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

The compartment is surrounded by private with few areas of adjoin state land to the west.

### **Unique Natural Features:**

Rapid River runs through the compartment.

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

None Known.

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

Buffer of stands that surround the Rapid River.

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

### **Wildlife Habitat Considerations:**

Ecological Context: This compartment is within a broad plain of loamy ground moraine. Historically the uplands were covered with northern hardwood forests of sugar maple, beech, hemlock, cedar, and yellow birch. Lowlands were swamps of cedar, tamarack, black spruce, or bog. Small knolls within wetlands were often dominated by hemlock and white pine. Wind throw was the most common natural disturbance regime. During the past 100 years much of this landscape was converted to agriculture. Aspen forest increased greatly and hemlock and white pine declined due to early-day logging practices.

Recommendations: This compartment has a large component of northern hardwood forest, lowland hardwood, and aspen. The main treatments proposed are hardwood thinnings. Some mixed lowlands are proposed for clearcuts with retention, designed to regenerate to a mix of the existing overstory species benefiting wildlife species associated with the habitat type.

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

Compartment 95: Sections 23, 26, & 35-36, T43N R22W, Delta County

There is no known metallic mineral potential in this area, and there is no recent history of leasing. Limestone/dolostone potential appears to be good within the compartment due to shallow bedrock. Sand/gravel pits are not located in the immediate area and potential appears to be limited. No economic oil and gas production has been found in the UP.

### **Vehicle Access:**

Access to the north part of the compartment in Section 23 is good via the county roads. The rest of the compartment is less accessible as permission from private landowners that surround these areas is needed.

### **Survey Needs:**

Property line establishment and survey corners will be required for the proposed treatments.

**Recreational Facilities and Opportunities:**

Hunting and trapping.

**Fire Protection:**

No special fire protection needs are required.

**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

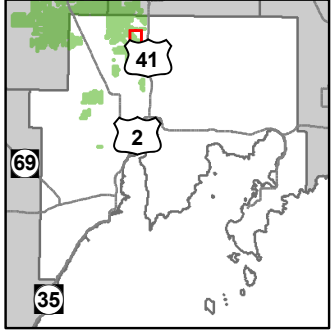
The following information is displayed, where pertinent, on the attached compartment maps:

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

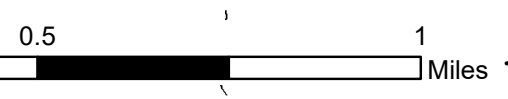
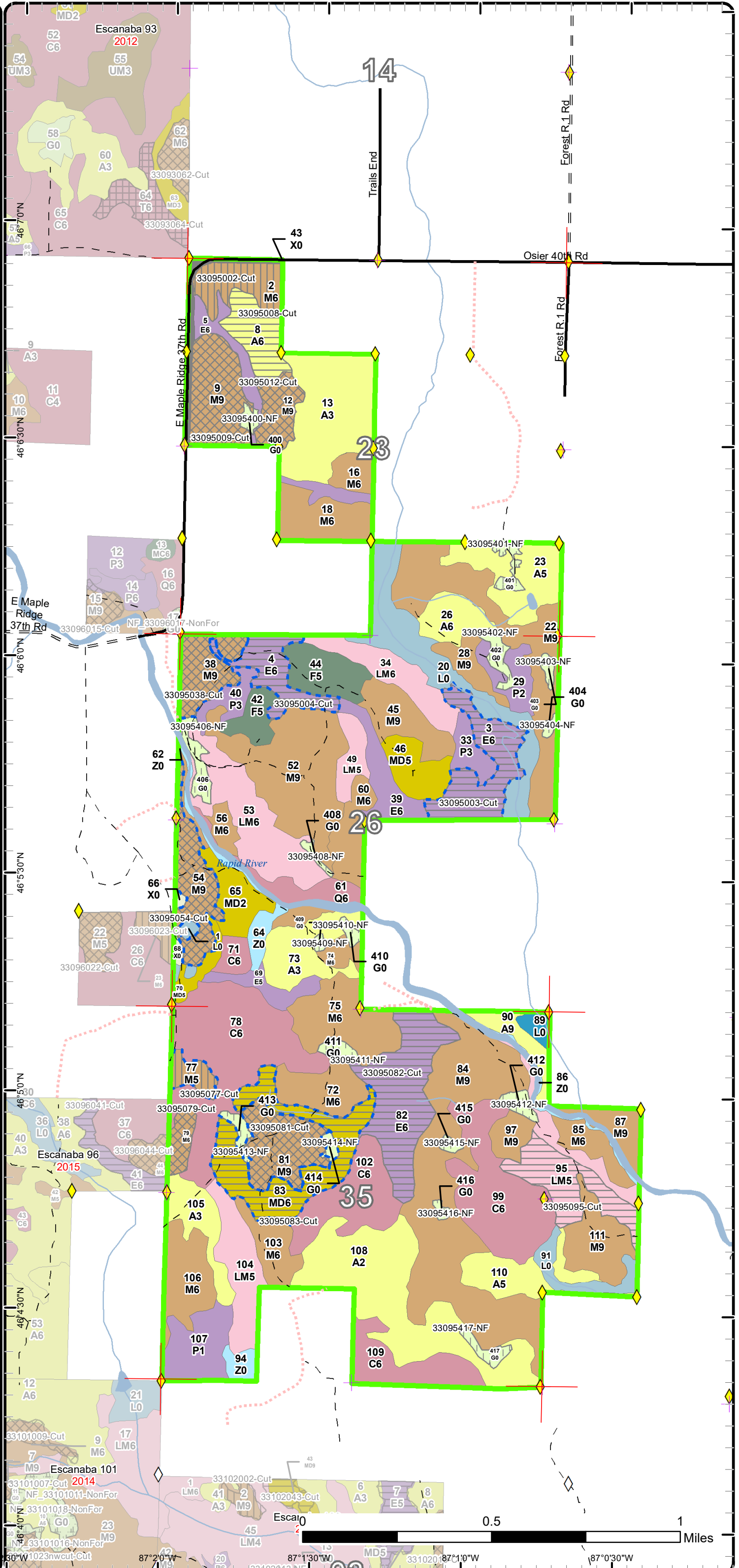
# Cover Type & Treatments Map

Compartment: 95

County: Delta  
 Unit: Escanaba  
 Mgmt Area: Dead Horse Moraines  
 YOE: 2019  
 Acres: 1384 GIS Calculated  
 Examiner: Dan Racine  
 Map Revised: 7/5/2017  
 Map Phase: Web-Post



- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Opening Maintenance
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- 790 - Other Bare/Sparsely Vegetated
- Lakes



87°20'W 87°15'W 87°10'W 87°05'W 87°00'W

# Stand Boundary Map

Compartment: 95

County: Delta  
Unit: Escanaba

Mgmt Area: Dead Horse Moraines

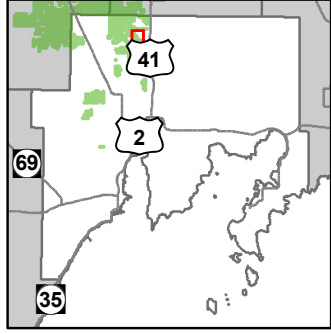
YOE: 2019

Acres: 1384 GIS Calculated

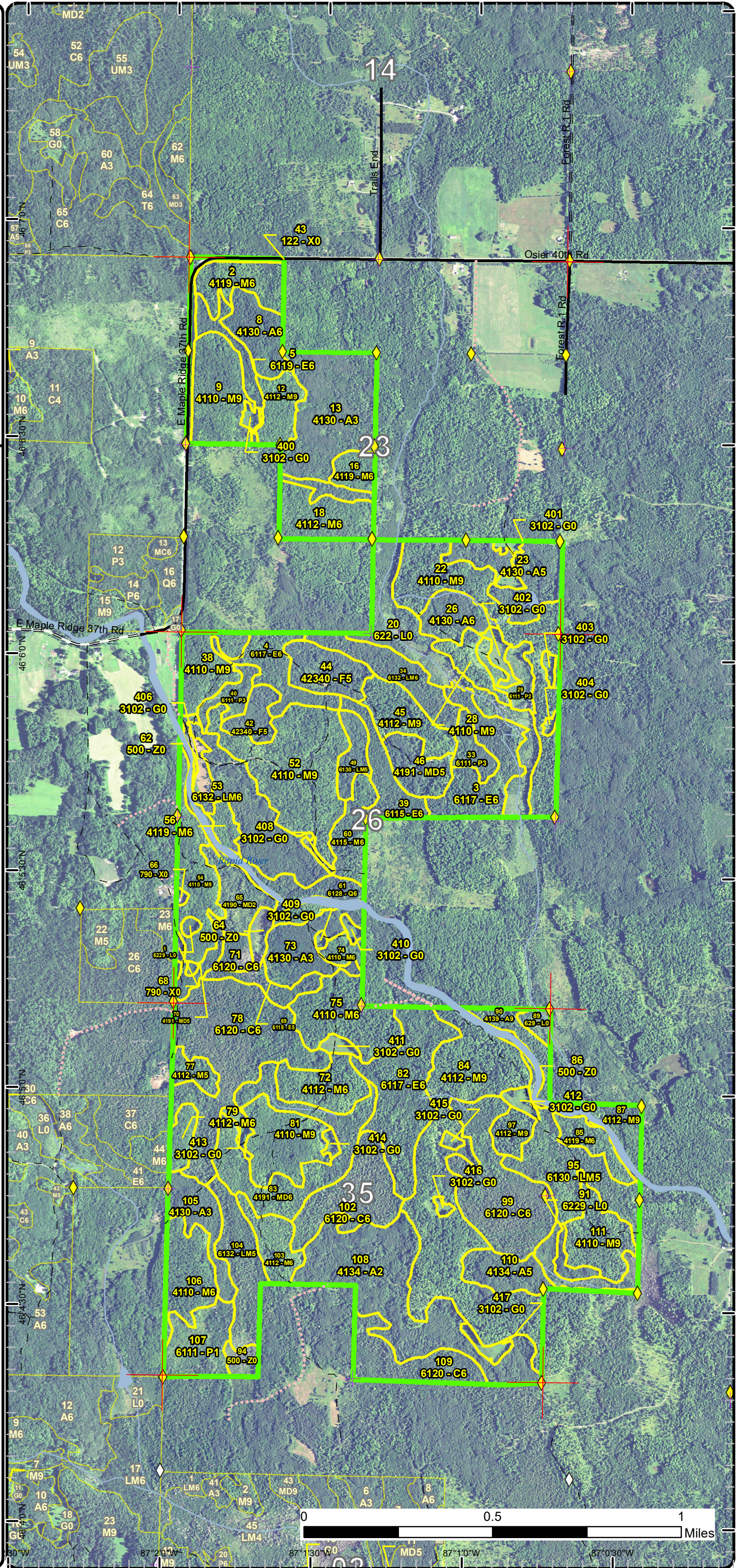
Examiner: Dan Racine

Map Revised: 7/5/2017

Map Phase: Web-Post



- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
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- 613 - Lowland Mixed Forest
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- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- 790 - Other Bare/Sparsely Vegetated



# Special Conservation Areas & Site Conditions Map

Compartment: 95

County: Delta

Unit: Escanaba

Mgmt Area: Dead Horse Moraines

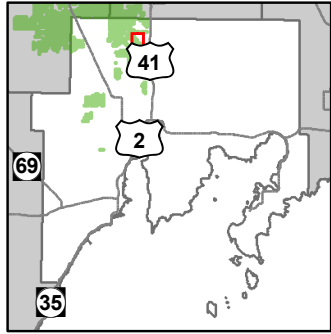
YOE: 2019

Acres: 1384 GIS Calculated

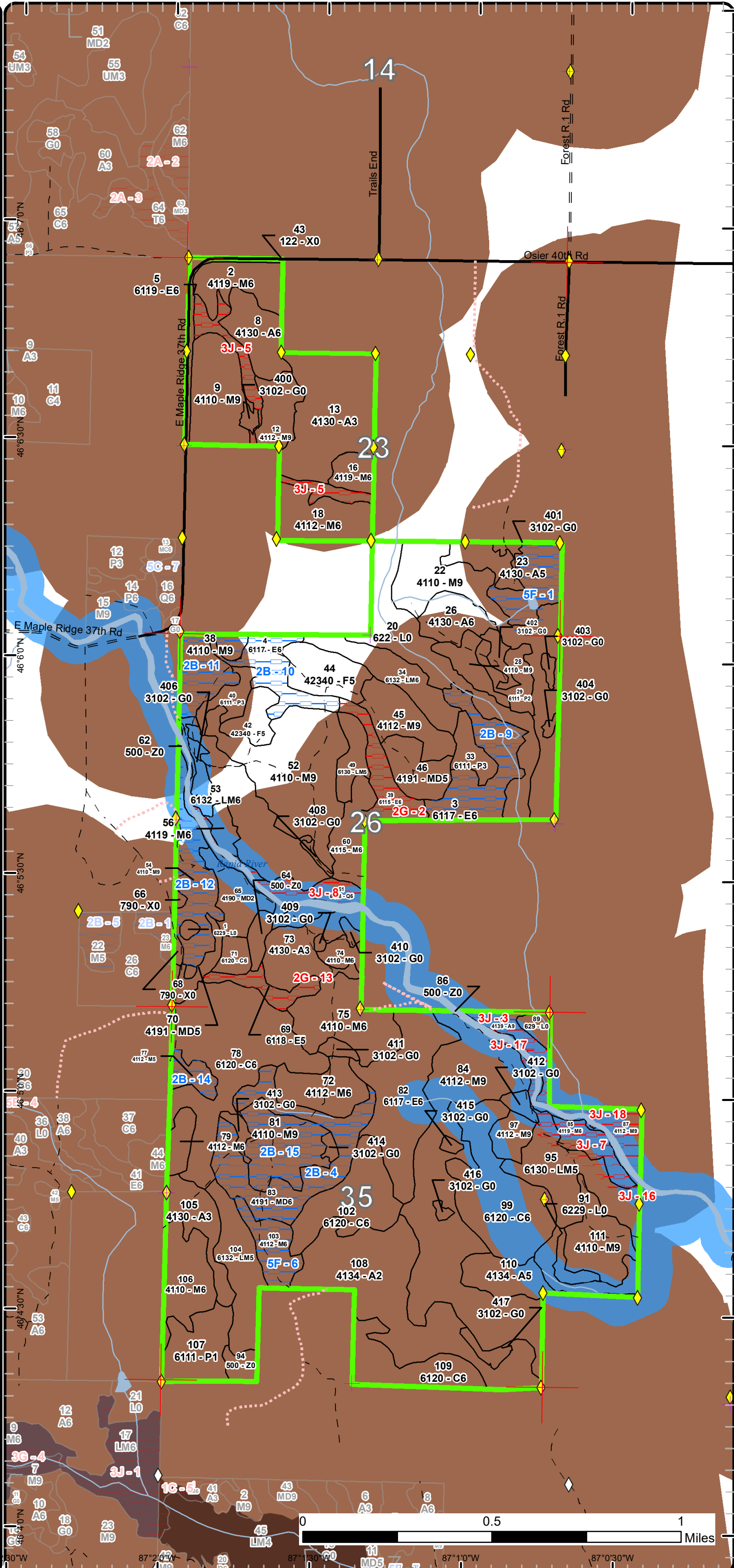
Examiner: Dan Racine

Map Revised: 7/5/2017

Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Counties
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Spring or Seep
- Riparian Area
- Habitat Corridor



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	0	63	133	0	16	0	0	0	9	0	0	0	0	0	0	0	0	221
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Cedar	0	0	0	0	0	0	0	0	0	5	0	131	0	0	0	0	0	21	157
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Aspen/Balsam Poplar	0	35	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Lowland Deciduous	0	0	0	0	0	0	0	0	0	48	14	16	0	0	0	0	0	40	118
Lowland Mixed Forest	0	0	0	34	8	0	0	0	0	32	0	22	19	0	0	0	0	0	114
Lowland Shrub	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Mixed Upland Deciduous	0	13	0	13	0	5	0	0	0	38	0	0	0	0	0	0	0	0	69
Northern Hardwood	0	0	0	0	0	0	5	0	48	381	36	0	0	0	0	0	0	42	512
Upland Spruce/Fir	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	24
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
<b>Total</b>	<b>116</b>	<b>48</b>	<b>70</b>	<b>180</b>	<b>8</b>	<b>45</b>	<b>5</b>	<b>0</b>	<b>48</b>	<b>513</b>	<b>50</b>	<b>169</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103</b>	<b>1384</b>



## Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 95

Total Compartment Acres: 1,384

Commercial Harvest - 136  
 Harvests with Site Condition - 147  
 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
Aspen	16	0	0	0	0	0	0	0	0	16
Lowland Deciduous	82	0	0	0	0	0	0	0	0	82
Lowland Mixed Forest	23	0	0	0	0	0	0	0	0	23
Mixed Upland Deciduous	38	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	104	0	0	21	0	0	0	0	125
<b>Total</b>	<b>159</b>	<b>104</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	284	0	0	0	0	0	0	29	0	312
Next Step	0	0	0	0	0	0	284	0	0	284
<b>Total</b>	<b>284</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>0</b>	<b>29</b>	<b>596</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	33095002-Cut	15.4	4119 - Mixed Northern Hardwoods	Poletimber Well	88	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	Proposal

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

Prescription Shelterwood: Retain approximately 20-30 Basal area throughout leaving the hemlock, cedar and a mix of yellow birch and red maple. Retain the low ground E type out on the east side south of county road 432. Look at regeneration success of both maple and spruce/fir and remove residual next treatment period.

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

Acceptable Regen: Acceptable regeneration of maple, ash and mixed upland conifers.

Other Comment: Obligate deer yard retain all cedar and hemlock.

Proposed Start Date: 10/01/2018

3	33095003-Cut	26.1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	80	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No**      **Site Condition:**      **Unknown Access**

Prescription Clearcut with retention: Cut all trees down to 2-3 inches except do not cut any cedar. Leave a retention area. Limiting factor of access through private property.

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

Acceptable Regen: Ash, mixed deciduous and mixed conifer species

Other Comment: Obligate deer yard leaving all cedar and hemlock.

Proposed Start Date: 10/01/2018

4	33095004-Cut	16.3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	102	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No**      **Site Condition:**      **Unknown Access**

Prescription Clearcut with retention. Leave some yellow birch and all cedar. Leave a retention area. Access through private.

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

Acceptable Regen: Mix of deciduous or conifer species present in the overstory.

Other Comment: Obligate deer yard leave all cedar and hemlock. Access needs to be obtained through private, best is through private to the west.

Proposed Start Date: 10/01/2018

8	33095008-Cut	15.6	4130 - Aspen	Poletimber Well	42	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No**      **Site Condition:**

Prescription Clearcut with reserves: Cut all trees except leave a retention area.

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

Acceptable Regen: Aspen species and any mix of upland conifer.

Other Comment: Obligate deer yard leaving any cedar and hemlock.

Proposed Start Date: 10/01/2018





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
9	33095009-Cut	24.7	4110 - Sugar Maple Association	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selection: Retain approximately 80 basal area throughout. Within the lowland hardwood type clearcut or retain this portion of the stand.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> In the lowland hardwood type decide at time of sale prep to harvest or leave out for retention. Comments in the treatment notes. Obligate deer yard											
<u>Comment:</u> leaving any cedar and hemlock.											
<u>Proposed Start Date:</u> 10/01/2018											
12	33095012-Cut	11.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	88	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selection: Retain approximately 70 Basal throughout.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> Deer are held around here, create canopy gaps if feasible. Obligate deer yard leaving any cedar and hemlock.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
38	33095038-Cut	17.1	4110 - Sugar Maple Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Unknown Access</b>								
<u>Prescription</u> Selection harvest: Retain approximately 70 BA throughout. Requires landowner permission.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> Requires permission through private. Obligate deer yard leaving any cedar and hemlock.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
54	33095054-Cut	20.8	4110 - Sugar Maple Association	Sawtimber Well	82	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Unknown Access</b>								
<u>Prescription</u> Selection: Retain approximately 70-80 BA creating larger canopy gaps throughout where feasible. Leave a buffer along the River, check with											
<u>Specs:</u> Fisheries.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> Access requires permission through private. Obligate deer yard leaving any cedar and hemlock.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
77	33095077-Cut	6.0	4112 - Maple, Beech, Cherry Association	Poletimber Medium	88	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Unknown Access</b>								
<u>Prescription</u> Shelterwood: Protect the existing maple regeneration. Retain approximately 30BA, leaving the hemlock, cedar, and mix of other species present.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any maple, and acceptable mixed conifer species.											
<u>Regen:</u>											
<u>Other</u> The maple should regenerate here decent, deer browsing will be an issue. Stands requires permission through private property. Obligate deer yard											
<u>Comment:</u> leaving any cedar and hemlock.											
<u>Proposed Start Date:</u> 10/01/2018											
79	33095079-Cut	6.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selection: Retain approximately 70-80 BA throughout. Protect the existing regeneration, as feasible.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> The best access to this would be through private property through an atv trail for operational purposes. Access can be obtained through the west off											
<u>Comment:</u> the Friday flooding road. Factor the long skidding if access is from the west. Obligate deer yard leaving any cedar and hemlock.											
<u>Proposed Start Date:</u> 10/01/2018											
81	33095081-Cut	23.2	4110 - Sugar Maple Association	Sawtimber Well	84	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Unknown Access</b>								
<u>Prescription</u> Selection: Retain approximately 70-80 BA creating canopy gaps.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any Mix of northern hardwood species.											
<u>Regen:</u>											
<u>Other</u> Larger canopy gaps may work the best to get regeneration. Obligate deer yard leaving any cedar and hemlock.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
82	33095082-Cut	40.0	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	93	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Clearcut with reserves: Cut all trees except leave cedar and hemlock and White Pine. May leave a few scattered Yellow Birch. Leave retention.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Mix of ash, maple, and aspen species. Acceptable mixed conifer regeneration.											
<u>Regen:</u>											
<u>Other</u> Access will require permission through private. The stands to this side of the compartment can be obtained through easement to the south and east.											
<u>Comment:</u> Obligate deer yard leaving any cedar and hemlock.											
<u>Proposed Start Date:</u> 10/01/2018											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
83	33095083-Cut	37.7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

**Habitat Cut: No**                      **Site Condition: Unknown Access**

Prescription Clearcut with reserves: Cut all trees except leave the hemlock, yellow birch and cedar. Leave retention of a minimum of 3% of the stand.  
Specs:

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

Acceptable Maple, aspen species, mixed upland conifer.  
Regen:

Other Obligate deer yard retain all cedar and hemlock. Best access to the west apply landowner site condition.  
Comment:

Proposed Start Date: 10/01/2018

95	33095095-Cut	22.9	6130 - Fir, Aspen, Maple	Poletimber Medium	84	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Final harvest: Leave retention by leaving a buffer along the rapid river. Follow fisheries recommendations.  
Specs:

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

Acceptable Aspen species, mixed hardwood and mixed deciduous.  
Regen:

Other Access to this side through private through management easement. Obligate deer yard leaving any cedar and hemlock.  
Comment:

Proposed Start Date: 10/01/2018

400	33095400-NF	1.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal  
Specs: of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

401	33095401-NF	3.1	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal  
Specs: of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



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
402	33095402-NF	3.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018

403	33095403-NF	1.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018

404	33095404-NF	0.9	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018

406	33095406-NF	5.0	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018



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
408	33095408-NF	1.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
Proposed Start Date:		10/01/2018									
409	33095409-NF	0.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
Proposed Start Date:		10/01/2018									
410	33095410-NF	1.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
Proposed Start Date:		10/01/2018									
411	33095411-NF	2.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
Proposed Start Date:		10/01/2018									



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
412	33095412-NF	2.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>		10/01/2018									
413	33095413-NF	2.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>		10/01/2018									
414	33095414-NF	1.4	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>		10/01/2018									
415	33095415-NF	1.2	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u>		Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal									
<u>Specs:</u>		of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.									
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u>		10/01/2018									



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
416	33095416-NF	1.1	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018

417	33095417-NF	3.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
Acreage Proposed: 317.6**

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dan Racine : Examiner

Compartment: 95  
Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2B	5F	2G	3J
		With Condition	Not Available					
220	195	16	9	Aspen		16		9
2	2	0	0	Bare/Sparsely Vegetated				
157	157	0	0	Cedar				
34	34	0	0	Herbaceous Openland				
42	42	0	0	Lowland Aspen/Balsam Poplar				
12	0	0	12	Lowland Conifers				12
118	40	42	36	Lowland Deciduous	42		22	14
115	106	0	9	Lowland Mixed Forest				9
52	52	0	0	Lowland Shrub				
69	31	38	0	Mixed Upland Deciduous	38			
512	412	80	20	Northern Hardwood	67	13		20
24	24	0	0	Upland Spruce/Fir				
6	6	0	0	Urban				
20	20	0	0	Water				
1,384	1,122	177	85	Total Forested Acres	147	30	22	63
	81%	13%	6%	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	5F: Evaluated for Forest Health Considerations	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Treated in 1993, predominately A, not enough merchantable Fb in stand.							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Poor quality site.							



## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dan Racine : Examiner

Compartment: 95  
Year of Entry: 2019

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	38	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Available	5F: Evaluated for Forest Health Considerations	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Predominately Rm with 10BA of fir. not enough to chase.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Escanaba Mgt. Unit  
 Dan Racine : Examiner

Compartment: 95  
 Year of Entry: 2019

9	Available	2B: Unknown if access through adjacent landowner(s) is possible	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2B: Unknown if access through adjacent landowner(s) is possible	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

**Report 4 – Site Conditions**

Escanaba Mgt. Unit  
 Dan Racine : Examiner

Compartment: 95  
 Year of Entry: 2019

14	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2B: Unknown if access through adjacent landowner(s) is possible	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4119 - Mixed Northern Hardwoods	Poletimber Well	15.4	88	51-80	
3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	26.1	80	51-80	Mix of everything very wet.
4	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	16.3	102	51-80	Minor canopy component of paper birch and black spruce. Red maple to the north and black ash to the south. Could be two separate stands but too small to break out. The stand is currently regenerating open it up.
5	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	13.7	88	51-80	Drainage with a creek that runs through. There is more hardwood to south of opening and L/E type to the north closer to the 432. Very wet now throughout stand with creek overflowing its banks.
8	4130 - Aspen	Poletimber Well	15.6	42	81-110	: Stand was harvested in 1975, under contract 7-72A. Trace amounts of black cherry and yellow birch.
9	4110 - Sugar Maple Association	Sawtimber Well	24.7	88	111-140	Stand was thinned in 1991 under contract 30-90-01. Nice stand with bigger timber. The southwest corner is a pocket of E type. Other species include black ash, balsam fir, cedar, red maple and yellow birch in the lowland ash area.
12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.6	88	81-110	OPIC - FMD: Parts of stand were treated. East side of stand heavier to red maple.
13	4130 - Aspen	Sapling Well	43.1	14	Immature	Treated in 2002, contract 005-99-01. East side is a little different too small to break apart with more lowland spruce, fir, black ash and lower.
16	4119 - Mixed Northern Hardwoods	Poletimber Well	7.0	87	51-80	Treated in 2002, contract 005-99-01. Selectively marked and harvested.
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	19.0	87	81-110	Treated in 2002, contract 005-99-01. Selectively marked and harvested.
22	4110 - Sugar Maple Association	Sawtimber Well	47.6	78	81-110	Treated in 2013 under contract 330070901, Rapid River North sale. Nice stand of hardwood,
23	4130 - Aspen	Poletimber Medium	23.9	23	Immature	Treated in 1992 under contract 21-91-01. Contains significant areas of upland brush (brambles).
26	4130 - Aspen	Poletimber Well	11.9	23	Immature	Harvested in 1993 under contract 21-91-01. Contains significant areas of upland brush. Trace amount of white spruce, balsam fir, sugar maple, and red maple in the canopy.
28	4110 - Sugar Maple Association	Sawtimber Well	8.2	91	51-80	Treated 2013 Rapid River North sale #330070901. NE part of stand has patch of aspen. Within stand retention will include: under represented spp., coniferous/deciduous diversity, mast trees, large/super canopy trees and live cavity trees. Trace amount of red maple in the canopy.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	6111 - Lowland Balsam Poplar	Sapling Medium	9.3	3	Immature	: Treated in 2013, Rapid River North Sale, #330070901.
33	6111 - Lowland Balsam Poplar	Sapling Well	7.4	14	Immature	Treated in 2003, contract 15-99-01. Some yellow birch, spruce and balsam fir were left for diversity.
34	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	18.5	115	51-80	More cedar in this stand. The cedar is scattered throughout.
38	4110 - Sugar Maple Association	Sawtimber Well	17.1	90	111-140	Treated in 2003, contract 15-99-01. Stand was selectively marked and harvested. Deer number are high in winter time here with local feeding. Requires permission through the private landowner. Trace amount of hemlock, cedar and yellow birch in the canopy.
39	6115 - Lowland Ash	Poletimber Well	14.2	90	51-80	Drainage area. Low wet poor quality.
40	6111 - Lowland Balsam Poplar	Sapling Well	7.1	4	Immature	Treated in 2012 under contract 330080901, Rapid River Central Sale
42	42340 - Upland Spruce/Fir	Poletimber Medium	8.3	49	1-50	Harvested in 1991 under contract 28-89-01. Stand varies from F4> P4 in spots. Seems to more balsam in stand overall.
44	42340 - Upland Spruce/Fir	Poletimber Medium	15.7	44	51-80	OPIC - FMD: Some patches of pure aspen but mostly coming back to balsam fir.
45	4112 - Maple, Beech, Cherry Association	Sawtimber Well	16.7	84	51-80	: Treated in 1994 under contract 041-92-01.
46	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	13.2	23	Immature	OPIC - FMD: Stand tree in 1994 under contract 004-92-01. Half of stand is U. Heavy brambles. Filling in with Fb and heavy aspen and balm regeneration.
49	6130 - Fir, Aspen, Maple	Poletimber Medium	8.4	31	Immature	OPIC - FMD: Contains F1 and U inclusions.
52	4110 - Sugar Maple Association	Sawtimber Well	50.1	84	81-110	Stand treated in 2012 under contract 330080901, Rapid River Central Sale.
53	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	34.1	29	Immature	Contains significant F1 to F2 and U inclusions. Very mixed stand.
54	4110 - Sugar Maple Association	Sawtimber Well	22.6	82	81-110	More pole timber and smaller to the north. Trace amount of aspen in the overstory. Aged a basswood. Little lowland brush pocket added into stand 1.
56	4119 - Mixed Northern Hardwoods	Poletimber Well	4.7	50	51-80	Contains an F6 inclusion in the north part of stand. Small diameter stand average about 50 BA throughout.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4115 - Y.Birch, Hemlock NH	Poletimber Well	13.4	84	81-110	Treated in 2012 under contract 330080901, Rapid River Central sale. Removed the larger red maple and y. birch. Removed all aspen, and > 2 stick balsam. Hemlock inclusions were left. Look at next treatment period for harvest.
61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	11.6	115	81-110	Upland mixed with floodplain. Buffer along the north side of the rapid river.
65	4190 - Mixed Upland Deciduous with Cedar	Sapling Medium	12.9	5	Immature	. Stand treated in 2010 under contract 330060901, Rapid River West Sale. Leave patches were left. This stand has residual cedar, balsam fir and leave patches with regenerating 15, 11, 41, 20, 21 and the understory is the raspberries and mix of smaller 41, 15, 20, 21there is a Minor Component of paper bich and pole aspen and balsam Fir in the Canopy
69	6118 - Lowland Deciduous with Cedar	Poletimber Medium	7.9	86	51-80	Canopy closure 0-25 to 50-75%. Poor quality stand. Black ash, cedar drainage. Contains a non-forest component in places. Other minor component species are white pine and black spruce.
70	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	5.4	42	51-80	Edge of swamp-clearcut . Cut next treatment period.
71	6120 - Lowland Cedar	Poletimber Well	5.0	89	111-140	Looks like two age classes. Previous inventory age at 101. Some black ash and red maple. Looks like stand 64 flooded area is into stand 71 on southeast portion.
72	4112 - Maple, Beech, Cherry Association	Poletimber Well	16.4	84	81-110	Opening separates stand 75 and this stand. Stand treated in 2010 under contract 330060901, Rapid River West Sale. Lots of browsing on sugar maple regeneration.
73	4130 - Aspen	Sapling Well	20.1	14	Immature	This stand was harvested winter of 2002. Contract 33-013-99-01 Little Red Ridinghood.
74	4110 - Sugar Maple Association	Poletimber Well	8.4	87	81-110	This stand was harvested winter of 2002. Contract 33-013-99-01 Little Red Ridinghood. This stand is moving more to balsam fir in the understory in places. Consider clearcut next treatment period.
75	4110 - Sugar Maple Association	Poletimber Well	26.7	84	51-80	Stand treated in 2010 under contract 330060901, Rapid River West Sale. Extreme browsing in the sugar maple. There are pockets with no sugar maple or any regeneration but places with full regeneration of sugar maple. See how this does next treatment period. Other minor component species in the canopy.
77	4112 - Maple, Beech, Cherry Association	Poletimber Medium	6.0	88	51-80	Last cut in 1989. Hardwood stand mix of red maple and sugar maple.
78	6120 - Lowland Cedar	Poletimber Well	61.8	106	81-110	Heavy to cedar, best left for wildlife cover. I aged one cedar rotten, 82 for age estimate.
79	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.2	88	111-140	Contains some pockets of good maple regeneration. The maple regeneration is highly deer browsed, monitor next treatment period. Minor component of yellow birch and paper birch in the canopy.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
81	4110 - Sugar Maple Association	Sawtimber Well	23.2	84	111-140	Cut in 1992. It was cut hard.
82	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	40.0	93	81-110	Drainage area. Trace amount of hemlock and large diameter white pine with some balm in the canopy.
83	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	37.7	84	81-110	Potentially 2 stands with more upland hardwood to the west and low ash to the north. Minor component of hemlock, and white pine and white spruce in the overstory.
84	4112 - Maple, Beech, Cherry Association	Sawtimber Well	89.1	84	81-110	Treated in 2013 under contract 33-009-09-01, Rapid River East Sale. Heavy browsing in the sugar maple regeneration. Check condition next treatment period.
85	4119 - Mixed Northern Hardwoods	Poletimber Well	9.3	120	81-110	Buffer along the Rapid River Upland hardwood and floodplains on Rapid River.
87	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.5	90	51-80	Upland hardwood and flood plains on Rapid River. River corridor stand.
90	4139 - Aspen, Mixed Deciduous	Sawtimber Well	8.8	81	111-140	Riparian corridor along the Rapid River.
95	6130 - Fir, Aspen, Maple	Poletimber Medium	32.4	84	111-140	Balsam fir aged at 61 years old. BA from 110 to +200. Variable stand. The red maple is from 8-12 inches in dbh with overmature aspen and trace amount of balm. Blowdown.
97	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.0	86	81-110	Treated in 2013 under contract 330090901, Rapid River East Sale.
99	6120 - Lowland Cedar	Poletimber Well	42.1	106	111-140	Some strips were cut at the south part of the stand. This is a cedar stand.
102	6120 - Lowland Cedar	Poletimber Well	27.0	106	81-110	The west southwest portion is much larger diameter cedar, not separated out.
103	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.3	82	51-80	This stand was harvested winter of 2002. Contract 33-013-99-01 Little Red Ridinghood. Look at potential clearcut next treatment period with this stand. Currently filling in with balsam fir in places.
104	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	21.7	106	51-80	Mix of 25-50 through 75-100 canopy percentage. Mix of cedar with ash and more to ash with pockets of lowland brush. Could combine with stand 78 but more ash type here.
105	4130 - Aspen	Sapling Well	14.7	24	Immature	Stand was treated in 1992, contract # 9-89-01. F inclusions. Significant areas of brambles (u) and L around edges.
106	4110 - Sugar Maple Association	Poletimber Well	19.6	81	81-110	. Stand treated in 2010 under contract 330060901, Rapid River West sale.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
107	6111 - Lowland Balsam Poplar	Sapling Poor	18.7	5	Immature	Stand treated in 2010 under contract 33060901, Rapid River West Sale.
108	4134 - Aspen, Spruce/Fir	Sapling Medium	63.9	29	Immature	A3 to A0 stand. Significant L, N and U inclusions.
109	6120 - Lowland Cedar	Poletimber Well	20.8	115	51-80	Stand was previously put up for harvest but did not sell.. Sale was cancelled. 95 on increment borer on cedar. There are pockets of timber with open areas. The timber areas are 100+ Basal area with 50% and greater cedar volumes. The open areas are 0-50 BA. About 50% of other species.
110	4134 - Aspen, Spruce/Fir	Poletimber Medium	18.1	24	Immature	Treated in 1992, contract #16-89-01.A5, L,U, and N inclusions. The east portion of stand 110 has a balsam fir ridge along the west line. The west portion of 110 has balm on the east side with pure pockets of aspen toward the west and portions of open balsam fir open areas.
111	4110 - Sugar Maple Association	Sawtimber Well	18.8	84	51-80	Treated in 2013 under contract 330090901, Rapid River East Sale.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6229 - Mixed lowland shrub	2.4	No	Lowland shrub.
20	622 - Lowland Shrub	37.2	No	OPIC - FMD: Creek bottom. Most of area is beaver flooding meadow. Becoming forested. SCA- Boudreau creek riparian buffer
43	122 - Road/Parking Lot	6.3	No	County Road 432 and R_O_W. .
62	500 - Water	5.4	No	Rapid River.
64	500 - Water	5.0	No	-flooded by beaver and open water. Lots of dead standing trees.
66	790 - Other Bare/Sparsely Vegetate	0.7	No	This is a gravel pit with cedar, other mixed conifers that are seeding in.
68	790 - Other Bare/Sparsely Vegetate	1.1	No	Old gravel pit couple cedar growing and spruce and fir
86	500 - Water	5.6	No	Rapid River
89	629 - Mixed non-forested wetland	3.6	No	OPIC - FMD: All dead standing-beaver flooding meadow. Buffer along the Rapid River.
91	6229 - Mixed lowland shrub	9.0	No	Old beaver flooding that is now starting to fill in with fir, spruce and balsam.
94	500 - Water	4.3	No	flooded area. Beaver flooding with dead standing timber.
400	3102 - Grass	1.6	No	Opening constructed October, 1997.
401	3102 - Grass	3.1	No	OPIC - FMD: Opening constructed in October, 1997. Stand will be mowed.
402	3102 - Grass	3.8	No	OPIC - FMD: Opening bulldozed and enlarged October, 1997. Stand will be mowed.
403	3102 - Grass	1.5	No	OPIC - FMD: Opening enlarged by hand cutting in 1993. Stand will be mowed.
404	3102 - Grass	0.9	No	OPIC - FMD: Opening enlarged by hand cutting in 1993. Stand will be mowed.
406	3102 - Grass	5.0	No	OPIC - FMD: Mowed in 1997. Stand will be mowed this treatment period.
408	3102 - Grass	1.2	No	OPIC - FMD: Mowed in 1997. Stand will be mowed this treatment period.



Stand	Cover Type	Acres	Managed Site	General Comments:
409	3102 - Grass	0.8	No	Mowed in 1997. THIS STAND IS BEING ACTIVELY MOWED.
410	3102 - Grass	1.6	No	Mowed in 1997. THIS STAND IS BEING ACTIVELY MOWED.
411	3102 - Grass	2.5	No	: Mowed in 1997. Stand will be mowed this treatment period. ACTIVELY MOWED
412	3102 - Grass	2.8	No	Mowed in 1997. This stand will be mowed this treatment period.
413	3102 - Grass	2.5	No	Mowed in 1997. Stand will be mowed this treatment period. Stand currently being mowed now.
414	3102 - Grass	1.4	No	Mowed in 1997. Stand will be mowed this treatment period.
415	3102 - Grass	1.2	No	Mowed in 1997. Stand will be mowed this treatment period.
416	3102 - Grass	1.1	No	OPIC - FMD: Mowed in 1997. This stan will be mowed this treatment period.
417	3102 - Grass	3.0	No	: Mowed in 1997. Stand will be mowed this treatment period.