



# Compartment Review Presentation

## Escanaba Forest Management Unit

Compartment 33076

Entry Year 2018

Acreage: 1,764

County Delta

Management Area: Green Bay Lake Plain

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**Revision Date:** 2016-06-24

**Stand Examiner:** Dan McNamee

**Legal Description:**

T37N-R24W, Sections 19, 20, 21.

**Identified Planning Goals:**

Timber Sale guidelines for deer wintering complexes will guide the harvest of timber in this compartment. This compartment has been actively managed in the past and will continue to be managed in much the same manner. Northern hardwoods will be maintained; Red pine will be maintained and expanded. Northern white cedar and hemlock regeneration will be encouraged.

**Soil and topography:**

Topography is level to slightly rolling. Soils are poorly drained sand, well drained sands, and very poorly drained extremely acid mucks and peats.

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

State land borders this compartment on all sides. Eighty acres of private land is located in the S1/2NW1/4 Section 20, and 30 acres is located in the NWSE Section 19.

**Unique Natural Features:**

None known.

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

None known.

**Special Management Designations or Considerations:**

Timber sales located along the Forest Islands ORV Trail will be done in such a way as to minimize impact and keep aesthetics in mind when preparing the sales.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

Two-thirds of this compartment is comprised of lowland cover types: cedar/swamp conifer, lowland hardwoods, lowland poplar, black spruce and tamarack. Cedar has not regenerated reliably in past years and is of modest age (only about 120 years old). For these reasons, it will be maintained without treatment to benefit wildlife that utilize closed-canopy conifer forest. This habitat is particularly critical for deer, bobcats, and other wildlife during the winter months. Several other lowland conifer stands will be treated using standard silvicultural practices, and a couple small aspen stands will be clearcut to promote early successional habitat. This compartment also contains some game purchased lands that will be managed to enhance wildlife cover and food resources.

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

Surface sediments consist of lacustrine (lake) sand and gravel and medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Formation underlies the glacial drift. The Trenton is quarried for stone west of Escanaba. This area has not been leased previously for metallic exploration. A gravel pit is located in Section 29 and potential appears to be good on the upland drumlins. No economic oil and gas production has been found in the UP.

**Vehicle Access:**

The 7 Mile Marsh Road, Limpert Road, and Bark River Truck Trail allow for easy access into this compartment.

**Survey Needs:**

None.

**Recreational Facilities and Opportunities:**

Hunting, trapping, snowmobiling and ORV use are common in this compartment.

**Fire Protection:**

Access within this compartment is good, fire protection should not be a problem if a fire should get started.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

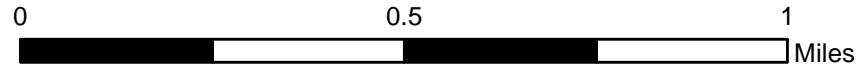
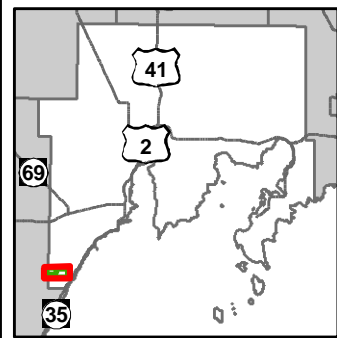
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

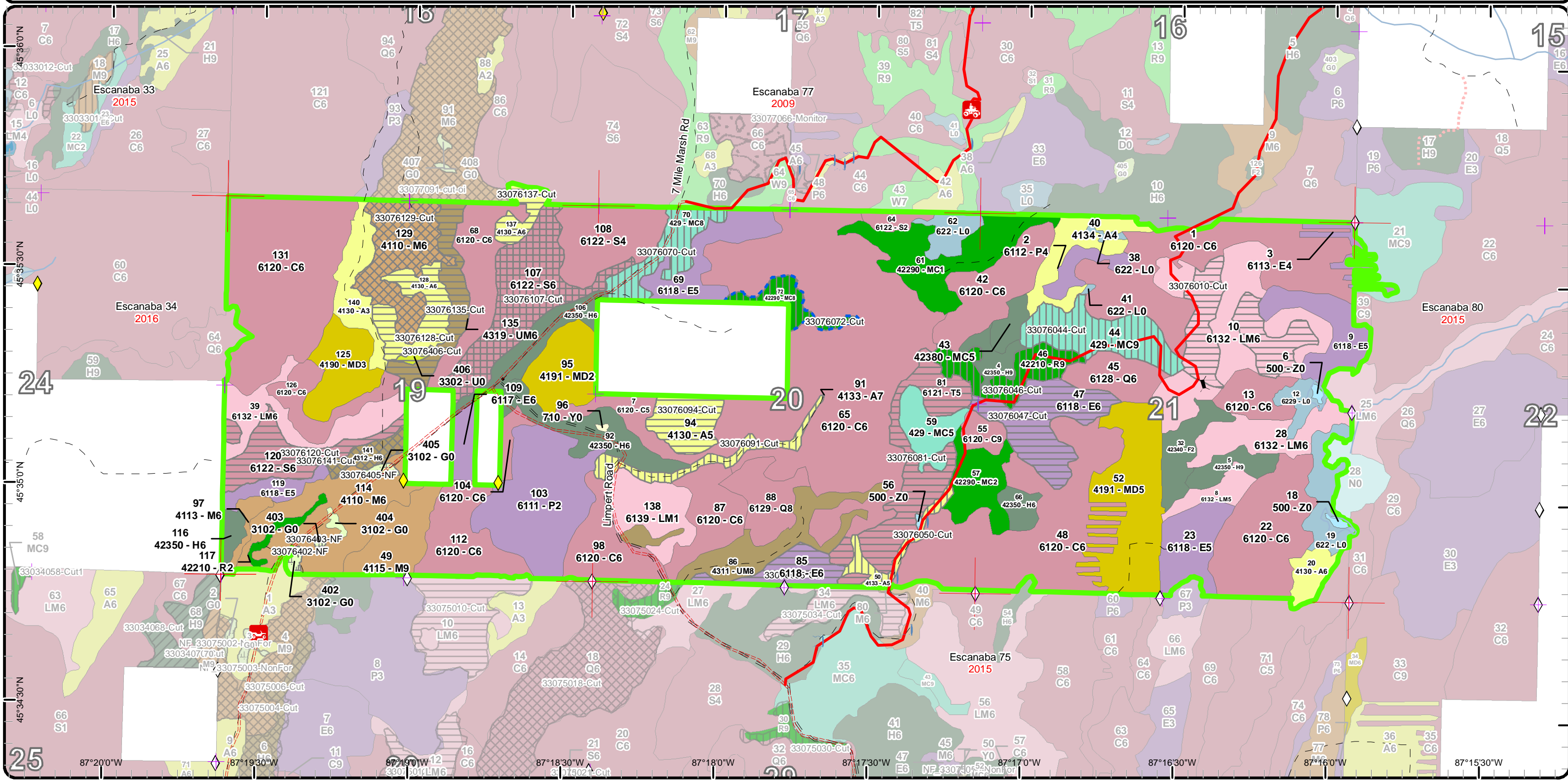
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 76  
 T37N R24W 19-21  
 County: Delta  
 Unit: Escanaba  
 Mgmt Area: Green Bay Lake Plain  
 YOE: 2018  
 Acres: 1765 GIS Calculated  
 Examiner: Dan McNamee  
 Map Revised: 6/29/2016  
 Map Phase: Web-Post

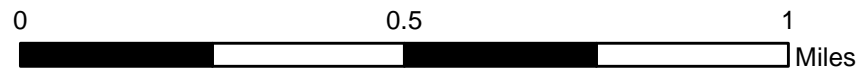
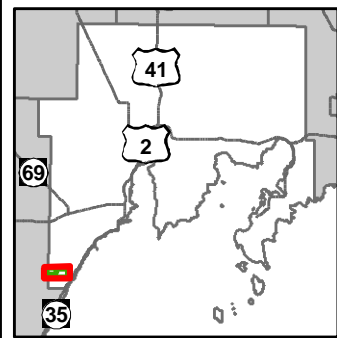


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Bridges
- Culverts
- ORV Trails
- ORV Routes
- Designated ATV Trails
- - - Designated ORV Route
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Shelter Wood (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes

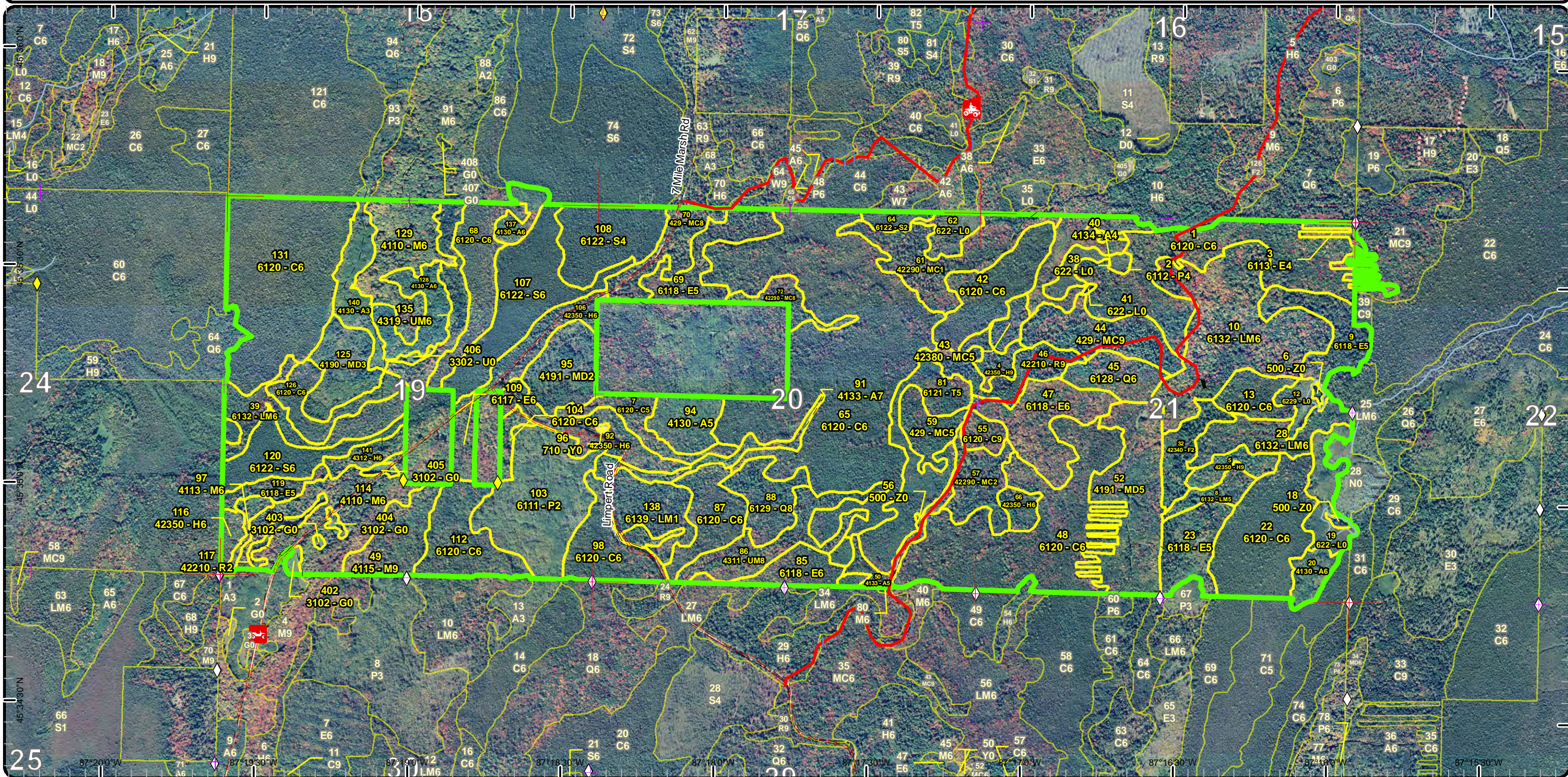


# Stand Boundary Map

Compartment: 76  
 T37N R24W 19-21  
 County: Delta  
 Unit: Escanaba  
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 Examiner: Dan McNamee  
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 Map Phase: Web-Post

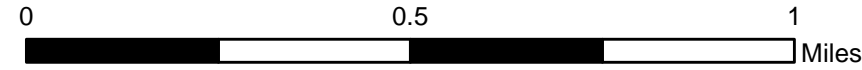
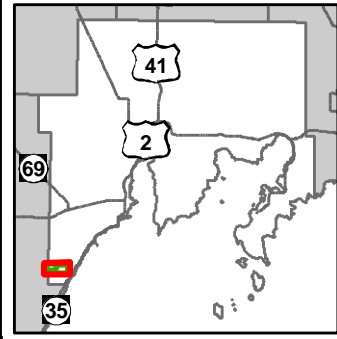


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Bridges
- Culverts
- ORV Trails
- ORV Routes
- Designated ATV Trails
- Designated ORV Route
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Stand Boundaries
- 330 - Low Density Trees
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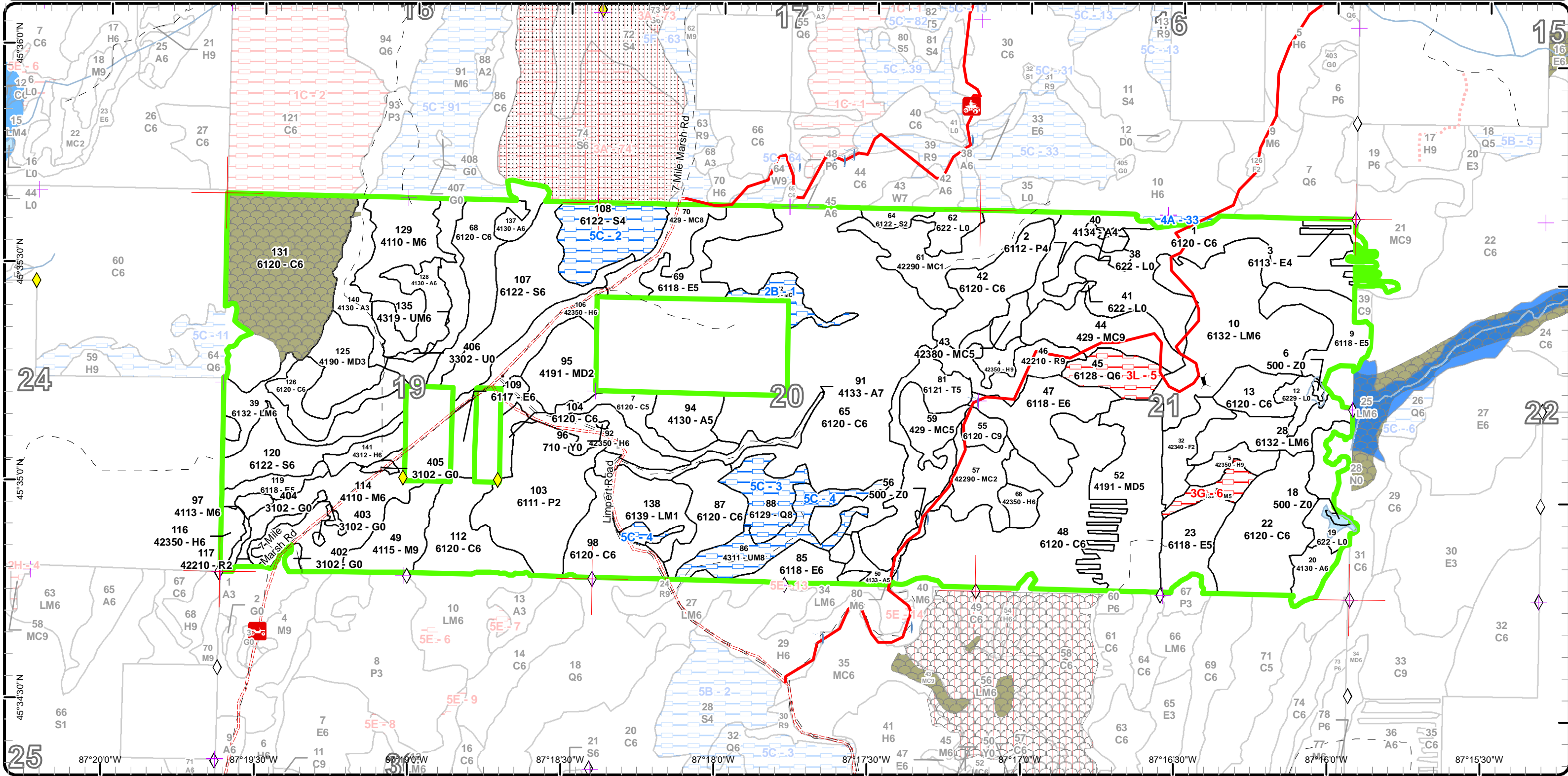


# Special Conservation Areas & Site Conditions Map

Compartment: 76  
 T37N R24W 19-21  
 County: Delta  
 Unit: Escanaba  
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 YOE: 2018  
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- Miris Corners
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- ◆ Survey Grade GPS Corners
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- Bridges
- Culverts
- ORV Trails
- ORV Routes
- Designated ATV Trails
- Designated ORV Route
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3G: Other Influence zones - See comments
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Riparian Area
- Potential Old Growth
- Other SCA (No Category Assigned)





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	0	17	18	26	41	0	0	0	0	0	0	0	0	0	0	0	102
Cedar	0	0	0	0	0	0	0	0	0	0	0	326	317	0	0	0	0	0	643
Hemlock	0	0	0	0	0	0	0	0	0	0	0	16	56	0	0	0	0	0	72
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	52	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	34
Lowland Deciduous	0	0	20	42	8	0	0	0	8	45	0	0	0	0	0	0	0	8	131
Lowland Mixed Forest	0	0	0	21	0	0	0	0	0	73	0	53	0	0	0	0	0	0	147
Lowland Shrub	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Spruce/Fir	0	0	0	0	0	0	0	5	0	23	72	0	0	0	0	0	0	0	100
Mixed Upland Deciduous	0	0	44	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	93
Natural Mixed Pines	0	0	34	18	0	0	0	0	0	0	0	9	0	0	0	0	0	0	61
Northern Hardwood	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	52	100
Red Pine	0	0	4	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	22
Sand, Soil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamarack	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	38
Upland Conifers	0	0	6	0	0	13	0	0	0	0	0	0	45	0	0	0	0	0	64
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	18	46
Upland Spruce/Fir	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>40</b>	<b>0</b>	<b>174</b>	<b>98</b>	<b>33</b>	<b>88</b>	<b>41</b>	<b>5</b>	<b>8</b>	<b>227</b>	<b>72</b>	<b>395</b>	<b>507</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>1766</b>



## Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 76

Total Compartment Acres: 1,764

Commercial Harvest - 360  
 Harvests with Site Condition - 9  
 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	41	0	0	0	18	0	0	0	0	59
Hemlock	0	8	0	0	0	0	0	0	0	8
Low-Density Trees	1	0	0	0	0	0	0	0	0	1
Lowland Deciduous	45	0	0	0	0	0	0	0	0	45
Lowland Mixed Forest	30	0	0	0	0	0	0	0	0	30
Lowland Spruce/Fir	23	0	0	43	0	0	0	0	0	67
Natural Mixed Pines	0	0	0	0	9	0	0	0	0	9
Northern Hardwood	0	31	0	0	0	0	0	0	0	31
Red Pine	0	0	0	0	18	0	0	0	0	18
Tamarack	38	0	0	0	0	0	0	0	0	38
Upland Conifers	0	0	0	0	45	0	0	0	0	45
Upland Mixed Forest	18	0	0	0	0	0	0	0	0	18
<b>Total</b>	<b>196</b>	<b>39</b>	<b>0</b>	<b>43</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	369	0	0	0	0	0	0	4	0	372
Next Step	0	0	0	0	0	369	0	0	0	369
<b>Total</b>	<b>369</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>741</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
10	33076010-Cut	29.8	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	89	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Two-Aged	Proposal

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

Prescription Within the designated areas, cut all trees except hemlock. heavier areas of C&H will be left.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable lowland mixed deciduous and conifer.

Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.

Comment:

Proposed Start Date: 10/01/2017

44	33076044-Cut	27.2	429 - Mixed Upland Conifers	Sawtimber Well	115	51-80	Harvest	Shelterwood	429 - Mixed Upland Conifers	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin Wp BA to approx. 30. Along north edge of stand there are pockets of Rm, Spruce and Wb that should be Clear-cut, this would allow some open areas for Wp to seed in.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Wp, H, Rp, and Fb

Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.

Comment:

Proposed Start Date: 10/01/2017

46	33076046-Cut	18.4	42210 - Natural Red Pine	Sawtimber Well	115	81-110	Harvest	Shelterwood	4221 - Natural Red Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin pine to residual BA-30. Leave areas of heavy hemlock. Protect the Forest Island ORV Trail.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Rp, Wp, H, Fb, Fs

Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.

Comment:

Proposed Start Date: 10/01/2017

47	33076047-Cut	31.2	6118 - Lowland Deciduous with Cedar	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Harvest all Rm, Ash, Wb. Leave the heavy pockets of C&H intact. Harvest sale in winter due to access and low ground conditions.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Rm, Ash, Wb, Fb, Fs, Wp.

Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.

Comment:

Proposed Start Date: 10/01/2017





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
50	33076050-Cut	7.9	4133 - Aspen, Mixed Pine	Poletimber Medium	44	51-80	Harvest	Shelterwood	4221 - Natural Red Pine	Two-Aged	Proposal

**Habitat Cut: No Site Condition:**

Prescription Mark pine to a residual BA of 30- 40 and harvest the merchantable A, Rm, Fb.. Forest Island ORV trail runs through the stand, take this into consideration when laying out the sale.  
Specs:

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

Acceptable A, Rp, Wp, Rm.  
Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.  
Comment:

Proposed Start Date: 10/01/2017

70	33076070-Cut	17.8	429 - Mixed Upland Conifers	Sawtimber Medium	115	51-80	Harvest	Shelterwood	4220 - Natural White Pine	Uneven-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Mark or designate stand to 30-40 BA. ORV trail runs through stand, consider this when setting up sale.  
Specs:

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

Acceptable Wp, Rp, Fb, Fs, H, maple.  
Regen:

Other Add spec for 50 inch standard trail consideration language to the contract.  
Comment:

Proposed Start Date: 10/01/2017

72	33076072-Cut	9.0	42290 - Natural Mixed Pine	Sawtimber Medium	114	1-50	Harvest	Shelterwood	429 - Mixed Upland Conifers	Two-Aged	Proposal
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**Habitat Cut: No Site Condition: Unknown Access**

Prescription Thin to residual BA of 30-40. Create bigger gaps to allow what regeneration that is established to be released and get more filling in.  
Specs:

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

Acceptable Rp, Wp, H, Fb, Fs and some hardwood spp.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

81	33076081-Cut	38.2	6121 - Tamarack	Poletimber Medium	80	1-50	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	Proposal
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**Habitat Cut: No Site Condition:**

Prescription Cut all T, Fs, Rm. Leave the heavier pockets of cedar.  
Specs:

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

Acceptable T, Rm, Fs.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
85	33076085-Cut	13.4	6118 - Lowland Deciduous with Cedar	Poletimber Well	89	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Proposal

**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees except leave the heavy cedar patches intact.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Rm, ash, Yb, Fb, Fs.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

91	33076091-Cut	10.3	4133 - Aspen, Mixed Pine	Sawtimber Poor	40	1-50	Harvest	Shelterwood	4133 - Aspen, Mixed Pine	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all merchantable aspen and red maple. Remove some of the pine where the BA's are heavy.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A, Rp, Wp, Fb.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

94	33076094-Cut	15.3	4130 - Aspen	Poletimber Medium	54	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all trees > than 2".

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A, P, Rm, Wb ,Fb, Wp.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

107	33076107-Cut	43.4	6122 - Black Spruce	Poletimber Well	95	51-80	Harvest	Seed Tree with Retention	6122 - Black Spruce	Even-Aged	Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Cut all spruce and tamarack trees > 3". Leave a seed source along the NW and west side.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fs, T, C.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
120	33076120-Cut	23.3	6122 - Black Spruce	Poletimber Well	86	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal

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

Prescription Clearcut leaving a seed source along the line(north and west).

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fsb, T, Wp, C.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

128	33076128-Cut	18.1	4130 - Aspen	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Cut all trees > 2". Leave a retention patch that is 3-10% of sale area.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A, Rm, Ch, ash, Fb, Fs.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

129	33076129-Cut	31.4	4110 - Sugar Maple Association	Poletimber Well	89	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Mark stand to residual BA =70. Leave some beech and other under represented spp. Leave some ironwood scattered along the edge in clumps of 5-8 trees or individually.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple and other hardwood associated spp.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

135	33076135-Cut	17.6	4319 - Mixed Upland Forest	Poletimber Well	59	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No**                      **Site Condition:**

Prescription Remove all merchantable timber. Leave the immature A/P.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fb, Fs, Rm, A.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
137	33076137-Cut	7.5	4130 - Aspen	Poletimber Well	52	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees > 2".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A, P, Fb, Fs, Rm.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
141	33076141-Cut	7.6	4312 - Hemlock, Mixed Deciduous	Poletimber Well	112	81-110	Harvest	Single Tree Selection	4312 - Hemlock, Mixed Deciduous	Uneven-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Remove the larger short lived spp (Rm, Wb) and pine that are showing signs of decline. Small amount of hemlock will have to be removed, Keep canopy closure 70% for the hemlock areas.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Rm, Wb, H, Wp, Fb.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
402	33076402-NF	1.6	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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 of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others. Also sharecropping could be considered for this opening.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
403	33076403-NF	0.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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 of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others. Also sharecropping could be considered for this opening.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											



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
405	33076405-NF	1.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal

**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 of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others. Also sharecropping could be considered for this opening.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

406	33076406-Cut	1.2	3302 - Low Density Conifer Trees	Nonstocked		Unspecified	Harvest	Clearcut	3102 - Grass		Proposal
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**Habitat Cut: No**

**Site Condition:**

Prescription Harvest the Fb,Fs,and aspen that has encroached into the stand. After harvest frost seed with a wildlife mix.  
Specs:

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

Acceptable Grass  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment Acreage Proposed: 372.2**

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dan McNamee : Examiner

Compartment: 76  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2B	5C	3G	3L
102	102	0	0	Aspen				
642	642	0	0	Cedar				
72	72	0	0	Hemlock				
5	5	0	0	Herbaceous Openland				
1	1	0	0	Low-Density Trees				
60	60	0	0	Lowland Aspen/Balsam Poplar				
33	0	18	16	Lowland Conifers		18		16
130	130	0	0	Lowland Deciduous				
147	139	0	8	Lowland Mixed Forest			8	
32	32	0	0	Lowland Shrub				
101	71	29	0	Lowland Spruce/Fir		29		
93	93	0	0	Mixed Upland Deciduous				
61	52	9	0	Natural Mixed Pines	9			
101	101	0	0	Northern Hardwood				
22	22	0	0	Red Pine				
0	0	0	0	Sand, Soil				
38	38	0	0	Tamarack				
64	64	0	0	Upland Conifers				
45	18	28	0	Upland Mixed Forest		28		
14	14	0	0	Upland Spruce/Fir				
2	2	0	0	Water				
1,764	1,657	84	23	Total Forested Acres	9	75	8	16
	94%	5%	1%	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	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Escanaba Mgt. Unit  
 Dan McNamee : Examiner

Compartment: 76  
 Year of Entry: 2018

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3L: Other wildlife concerns	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3G: Other Influence zones - See comments	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wet							
33	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



**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
<p><b>Comments</b> Does not meet SCA criteria.</p>	Potential Old Growth		SCA Removal	73





**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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Poletimber Well	67.4	112	111-140	2016- Good quality cedar near the transition zone, quality declines as you move to the interior. OPIC - FMD: Most of the Balm is dead, cedar is large diameter (8-12" dbh) and nice quality.
2	6112 - Lowland Aspen	Poletimber Poor	7.4	34	1-50	2016 - lowland hardwood with scattered timber. Stand is filling in with A, P, Ash. OPIC - FMD: Lower ground, some softwood patches within this stand.
3	6113 - Lowland Maple	Poletimber Poor	7.6	38	1-50	2016- Strips are primarily Red Maple, southern most strip is balm but as you go north more red maple. Northern most strip is balsam and balm. OPIC - FMD: Strips cut in 1978. Contain lots of balsam, spruce and some balm.
4	42350 - Upland Hemlock	Sawtimber Well	7.3	116	81-110	2016- No hemlock regen. OPIC - FMD: Treated in 2001, contract 008-98-01. Stand was marked and selectively harvested.
5	42350 - Upland Hemlock	Sawtimber Well	8.5	116	111-140	OPIC - FMD: Quite a mix of species. Species vary as you move along in stand, some places almost pure cedar and hemlock, others contain mix of cedar, hemlock and hdwd. Stand was treated in 1986. Hardwood that had regenerated has been browsed by deer. Mix hdwd component in stand is mis of green ash and yellow birch.
7	6120 - Lowland Cedar	Poletimber Medium	13.7	118	51-80	2016- Bigger diameter cedar, balm is dead and dying, most of the short lived spp are un-merchantable small diameter. OPIC - FMD: OI Stand Year Origin was 1971
8	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	7.8	108	51-80	OPIC - FMD: Ash swale.
9	6118 - Lowland Deciduous with Cedar	Poletimber Medium	20.8	27	51-80	2016-Residual C&H left in pockets and ind. scattered trees, ind trees have blown down. Where stand has been opened up, it is filling in with P, Rm, ash and Fb. OPIC - FMD: Stand has had some of the intolerant species removed in 1994 (Costell Lake Sale). Hardwood component is Green Ash>
10	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	73.0	89	111-140	2016- Mix of cedar & hemlock and short lived spp. Stand is operable if you stay in areas of heavier to Rm and other short lived spp and stay out of the heavier C&H areas. There is a creek on south side of stand and the Forest Island ORV trail is located on west side. OPIC - FMD: Quite a mix of species. Species vary as you move along in stand, some places almost pure cedar and hemlock, others contain mix of cedar, hemlock and hdwd. Stand was treated in 1986. Hardwood that had regenerated has been browsed by deer. Mix hdwd component in stand is mis of green ash and yellow birch.
13	6120 - Lowland Cedar	Poletimber Well	12.8	116	111-140	OPIC - FMD: OI Stand Year Origin was 1897
20	4130 - Aspen	Poletimber Well	8.4	40	51-80	OPIC - FMD: Northern part of stand contains more balm, but as a whole the stand is predominately Aspen.
22	6120 - Lowland Cedar	Poletimber Well	46.1	112	51-80	2016 Poor quality cedar with ash and Wb. OPIC - FMD: Quality gets better on the west edge.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6118 - Lowland Deciduous with Cedar	Poletimber Medium	20.3	15	Immature	2016-stand was treated and where it was opened up it has come back to a fully stocked P, Rm stand. Heavy pockets of C were left in NE and west edge. OPIC - FMD: Stand was treated in 2002, contract 33-008-98-01. All balm and white birch was cut. Some cedar had to be cut to allow operator room to harvest the designated spp. Yellow birch and ash < 12" dbh were left. Check this stand out the next time inventory is done in 2008.
28	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	21.3	108	81-110	2016- let it go for 10 yrs. OPIC - FMD: Species that could be harvested are small diameter ash, yellow birch, red maple etc. would have to remove cedar and hemlock to fell othe species.
32	42340 - Upland Spruce/Fir	Sapling Medium	13.5	15	Immature	2016- Fb, Fs, Wp filling in in places, raspberry has filled in the remaining areas. OPIC - FMD: Stand was treated in 2002, contract 33-008-98-01. All balm and white birch was cut. Some cedar had to be cut to allow operator room to harvest the designated spp. Yellow birch and ash < 12" dbh were left. Check this stand out the next time inventory is done in 2008.
39	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	23.6	108	51-80	2016- Very little merchantable volume, small diameter timber. OPIC - FMD: Illegal ORV use on winter road used for logging.
40	4134 - Aspen, Spruce/Fir	Poletimber Poor	17.9	34	1-50	OPIC - FMD: Lower ground, some softwood patches within this stand.
42	6120 - Lowland Cedar	Poletimber Well	28.4	108	111-140	
43	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Medium	5.7	15	1-50	Cedar and hemlock with young red maple.
44	429 - Mixed Upland Conifers	Sawtimber Well	27.2	115	51-80	2016- Wp with hemlock. Open areas filling in with Wp and Fb. Hemlock seedlings < 6" on the ground floor in places. OPIC - FMD: STAND WAS TREATED IN 2001 UNDER CONTRACT 008-98-01. IT RECEIVED A LIGHT THINNING TO ALLOW STAND TO GROW AND START SOME REGENERATION OF PINE.
45	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.5	112	51-80	2016- Mix of lowland conifer with Rm, Wb, Yb. OPIC - FMD: OI Stand Year Origin was 1897
46	42210 - Natural Red Pine	Sawtimber Well	18.4	115	81-110	2016-Lots of hemlock regen under Wp regen that is 3- 10' tall. Good amount of Rp and Wp regen throughout the stand. OPIC - FMD: Treated in 2001, contract 008-98-01. Stand was marked and selectively harvested.
47	6118 - Lowland Deciduous with Cedar	Poletimber Well	31.2	81	81-110	2016- Primarily a lowland Hdwd stand with patches of C & H included. There is also scattered C throughout the stand. OPIC - FMD: Treat next time stand 46 is treated.
48	6120 - Lowland Cedar	Poletimber Well	86.0	108	81-110	Mix of good and poor quality cedar.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	4115 - Y.Birch, Hemlock NH	Sawtimber Well	20.9	81	81-110	2016- stand is just starting to fill in with some regen. Let go another 10 yrs to see how stand fills in. OPIC - FMD: Treated in 2012 permit 33-10-08-01. OI 2006-FDF POT. Retain some of the yellow birch and beech component, leave hemlock.
50	4133 - Aspen, Mixed Pine	Poletimber Medium	7.9	44	51-80	2016- Large pine with aspen. There are areas where pine is heavy and areas where aspen is heavy. OPIC - FMD: Mixed hardwood component contains red maple and white birch.
52	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	48.9	40	51-80	2016- South end of stand has more P, as you move north through stand more RM/Fb. Combined stand 51 because it was similar. OPIC - FMD: OI Stand Year Origin was 1976
55	6120 - Lowland Cedar	Sawtimber Well	6.3	108	51-80	Unique stand with mix of pine, cedar, Rm and Wb.
57	42290 - Natural Mixed Pine	Sapling Medium	17.8	23	51-80	2016- Residual log sized Rp/Wp was left with some C & H. Stand has filled in with Rp/Wp. OPIC - FMD: Treated in 1993, contract 057-91-01, Excellent regeneration and recruitment of pine
59	429 - Mixed Upland Conifers	Poletimber Medium	13.1	41	1-50	2016- Wp with Fs. High ground with a few low pockets of Cedar. Fsb varies in size from unmerchantable to merchantable (3"- 8" diam) Pine is mostly pole sized with some larger diameter trees. North tip has cedar mixed in. OPIC - FMD: Mix of young spruce and Red pine in the understory.
61	42290 - Natural Mixed Pine	Sapling Poor	33.9	15	Immature	2016- Same comments as previous inventory. OPIC - FMD: Stand had a removal cut in 2001 under contract 33-013-98-01, the Z Pine sale. A light stocking of residual pine sawtimber. Thick wp, rp, and fir regeneration. Future treatments are not planned for some time. (CUT ST 20 R9 WITH THIS SALE IT IS SAME RIDGE ON SAME ROAD COMP 77)
64	6122 - Black Spruce	Sapling Medium	4.6	69	Unspecified	2016- Most of this stand is unmerchantable Spruce and tamarack. The SW edge has merchantable Spruce 8" 4-5 stick tall. OPIC - FMD: OI Stand Year Origin was 1947
65	6120 - Lowland Cedar	Poletimber Well	179.3	108	81-110	2016- Predominately cedar, cedar is good quality in some areas and poor in others. There are areas of small un-merchantable ash and lowland hdwoods mixed throughout especially in the south part of stand. OPIC - FMD: A ONE ACRE AREA BETWEEN R9 AND WEST PT OF ST 15 MAY BE CUT
66	42350 - Upland Hemlock	Poletimber Well	5.9	116	81-110	2016 - Isand of almost pure hemlock. OPIC - FMD: OI Stand Year Origin was 1900
68	6120 - Lowland Cedar	Poletimber Well	25.5	108	51-80	2016- As you go east there is less cedar and more ash, cedar is poorer quality as you go east. OPIC - FMD: Small poor quality timber.
69	6118 - Lowland Deciduous with Cedar	Poletimber Medium	21.1	23	1-50	2016- Stand has regenerated back to a mix of P, Rm, Ash, Fb/Fs with thick understory of Fb/Fs. OPIC - FMD: Treated in 1993, contract 33-27-92-01, Back to Back hdwds. Coming back to balsam fir in places, balm in others.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	429 - Mixed Upland Conifers	Sawtimber Medium	17.8	115	51-80	2016- Mix of upland conifer with red and sugar maple. Understory contains a mix of all spp., Rp is recruiting into the stand in the more open areas where the BA is 30. OPIC - FMD: Treated in 1991, " 7 mile marsh #2" heavy understory of balsam fir.
72	42290 - Natural Mixed Pine	Sawtimber Medium	9.0	114	1-50	2016- West side of stand contains more Wp,H &C. East side contains more Rp. Stand was treated 10 yrs ago and is filling in with pine. OPIC - FMD: Scattered pine, mixture of R. pine and W. pine overstory with young pine and basam fir in understory. Was treated 20 years ago approx.
81	6121 - Tamarack	Poletimber Medium	38.2	80	1-50	2016- Stand varies from areas of good stocking to poor stocking. there are pockets of cedar. Northern area has pockets of Rm. OPIC - FMD: Black spruce and cedar make up mix softwood component.
85	6118 - Lowland Deciduous with Cedar	Poletimber Well	13.4	89	51-80	2016- Pole sized lowland hardwoods with patches of cedar.
86	4311 - Pine, Aspen Mix	Sawtimber Medium	27.8	115	51-80	2016- Residual pine with 1-2 stick aspen. OPIC - FMD: Understory contains A3,W3,R3. Wait another 10 years then release the understory.
87	6120 - Lowland Cedar	Poletimber Well	21.1	118	51-80	OPIC - FMD: OI Stand Year Origin was 1897
88	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	17.9	112	51-80	2016- Hemlock, Cedar and Pine with young ash and r.maple in cutover areas.. OPIC - FMD: Treated in 1995, contract#33-32-92-02.
91	4133 - Aspen, Mixed Pine	Sawtimber Poor	10.3	40	1-50	2016- Narrow ridge with Rp, Wp, and Aspen. Aspen can be cut now. OPIC - FMD: treated in 1971, fir and aspen in the understory.
92	42350 - Upland Hemlock	Poletimber Well	21.9	116	141-170	
94	4130 - Aspen	Poletimber Medium	15.3	54	51-80	2016- Timber is falling over. Balm is located along the edges of the stand. OPIC - FMD: OI Stand Year Origin was 1971
95	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	22.4	14	Immature	2016- Predominately Green ash and a mix of other lowland hardwoods spp.. Cedar and Hemlock patches were left. OPIC - FMD: Stand was harvested under contract #33-005-98-01, the Survey Crew Balm Sale, in early 2002. Stand 95 is now 17 acres in size. Lowland aspen and balm regeneration with hemlock and cedar pole timber. The P type is the featured type. A fair amount of blow down experienced due to wind damage.
97	4113 - R.Maple, Conifer	Poletimber Well	4.1	89	1-50	2016- Residual Rm, Yb, Wp with heavy understory of upland conifer, Rm, and A. OPIC - FMD: Treated in 2000, 06-98-01, White pine expansion sale.
98	6120 - Lowland Cedar	Poletimber Well	23.7	116	81-110	2016- Cedar except for the north tip which contains mature Fs, P, Ash ,Rm, OPIC - FMD: OI Stand Year Origin was 1900



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
103	6111 - Lowland Balsam Poplar	Sapling Medium	52.2	14	Immature	2016- Cedar and Hemlock residual with P & A. A lot of the C has blown over. OPIC - FMD: Stand was harvested under contract 33-005-98-01, the survey crew balm sale. Stand is regenerating to lowland aspen and balm and has a residual of cedar and hemlock pole timber. The aspen is the featured type. A fair amount of blow down of residual trees due to wind damage. Stand is 54 acres in size.
104	6120 - Lowland Cedar	Poletimber Well	4.6	116	111-140	2016- Leave Strip of Cedar. OPIC - FMD: OI Stand Year Origin was 1900
106	42350 - Upland Hemlock	Poletimber Well	16.1	104	81-110	2016- Very little hemlock seedling on the ground. More Wp and Rp as you go north and on west edge. OPIC - FMD: OI Stand Year Origin was 1912
107	6122 - Black Spruce	Poletimber Well	43.4	95	51-80	Nice pole-timber spruce stand.
108	6122 - Black Spruce	Poletimber Poor	29.3	95	1-50	2016- Smaller timber than stand 107, scattered merchantable timber with non-merchantable timber. OPIC - FMD: Smaller timber, more scattered and diameter smaller.
109	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	7.7	89	51-80	2016- As you move from north to south in stand you are going through 3 different stand , it gets wetter and more C&H show up. the south 3rd is P and Fb . OPIC - FMD: Treated in 2012, under permit33-10-08-01. OI notes from 2006 - Retain some of the yellow birch and beech component within this stand, leave hemlock.
112	6120 - Lowland Cedar	Poletimber Well	27.7	116	81-110	2016- stand has lots of blowdown. OPIC - FMD: OI Stand Year Origin was 1900
114	4110 - Sugar Maple Association	Poletimber Well	44.2	89	81-110	2016- Areas are regenerating to Maple, beech and aspen. West side of rd. has pockets of hemlock. OPIC - FMD: Treated in 2012 permit 33-10-08-01. OI 2006-FDF POT. Retain some of the yellow birch and beech component, leave hemlock.
116	42350 - Upland Hemlock	Poletimber Well	4.8	116	111-140	2016- Stand is variable. North part is hemlock with small area of "E" type. South end more of an "E" type then back into Hemlock. OPIC - FMD: White birch and red maple make up the mix hardwood component.
117	42210 - Natural Red Pine	Sapling Medium	3.7	15	Immature	2016- Red pine starting to take off. 1-1.5 sticks tall.. OPIC - FMD: Treated in 2000, contract 006-98-01. Amix of Rpine and White pine was planted in this strip. Seedlings are 2-3' tall.
119	6118 - Lowland Deciduous with Cedar	Poletimber Medium	7.6	76	1-50	2016- Small diameter lowland hardwood with cedar. OPIC - FMD: OI Stand Year Origin was 1940
120	6122 - Black Spruce	Poletimber Well	23.3	86	51-80	2016- Parts of stand higher to tamarack but mostly a spruce stand. OPIC - FMD: OI Stand Year Origin was 1930



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
125	4190 - Mixed Upland Deciduous with Cedar	Sapling Well	21.7	14	Immature	2016- Stand coming back to a fully stocked stand of lowland hwd (P&A). Scattered cedar trees and patches of cedar and hemlock were left, Where cedar is 30 + BA there is very little regen, where there is less regen is good. OPIC - FMD: Stand was harvested in 2002 under contract 33-012-98-01, the Second String sale. A SMALL AMOUNT OF HEMLOCK AND CEDAR WAS CUT TO ALLOW LOGGER TO MOVE AROUND
126	6120 - Lowland Cedar	Poletimber Well	16.3	116	81-110	OPIC - FMD: SCA - POG - Part of a large treed bog/lowland conifer complex extending into Compartment 34. OI Stand Year Origin was 1900
128	4130 - Aspen	Poletimber Well	18.1	57	81-110	2016- Heavy to aspen, with mix of other spp. OPIC - FMD: Stand could be treated now but is being held to treat this island as one sale in the next treatment period. Treat with hwd to make sale worthwhile.
129	4110 - Sugar Maple Association	Poletimber Well	31.4	89	81-110	2016-Nice hardwoods, very little regeneration. OPIC - FMD: Stand was harvested in 2002 under contract 33-012-98-01, the Second String sale.
131	6120 - Lowland Cedar	Poletimber Well	83.2	116	111-140	
135	4319 - Mixed Upland Forest	Poletimber Well	17.6	59	51-80	2016- South part of stand was cut, residual Rm, Fb, Fs. North part of stand was treated approx. 14 years ago, balsam and spruce were left and are now mature. OPIC - FMD: Stand was harvested in 2002 under contract 33-012-98-01, the Second String sale.
137	4130 - Aspen	Poletimber Well	7.5	52	51-80	2016- Aspen and balm with heavy understory of Fb that is small diameter. There is merchantable Fb that is 7" 2-3 sticks. Aspen is declining and has conks and dead tops. OPIC - FMD: OI Stand Year Origin was 1977
138	6139 - Mixed Lowland Forest	Sapling Poor	21.4	21	Immature	2016- Fully stocked stand of P, Rm, Fb, Fs, Wp. Residual C & H. OPIC - FMD: Treated in 1995, contract 32-92-01. P2, F3, and W2 coming in under residual timber.
140	4130 - Aspen	Sapling Well	17.0	21	Immature	2016- Fully stocked stand of aspen. OPIC - FMD: Treated in 1995, contract 11-90-01, Slush bucket hardwood sale.
141	4312 - Hemlock, Mixed Deciduous	Poletimber Well	7.6	112	81-110	2016- Nice hemlock stand. Could be treated to remove short lived spp and pine. OPIC - FMD: Illegal ORV use through wetland.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	500 - Water	0.7	No	
12	6229 - Mixed lowland shrub	6.2	No	OPIC - FMD: has increased in size since last inventory.
18	500 - Water	0.9	No	OPIC - FMD: OI Stand Year Origin was
19	622 - Lowland Shrub	15.6	No	OPIC - FMD: OI Stand Year Origin was
38	622 - Lowland Shrub	1.2	No	OPIC - FMD: OI Stand Year Origin was
41	622 - Lowland Shrub	0.4	No	OPIC - FMD: OI Stand Year Origin was
56	500 - Water	0.3	No	OPIC - FMD: OI Stand Year Origin was
62	622 - Lowland Shrub	8.4	No	OPIC - FMD: OI Stand Year Origin was
96	710 - Sand, Soil	0.3	No	OPIC - FMD: SAND PIT ALONG THE LIMPERT ROAD
402	3102 - Grass	1.6	Yes	OPIC - FMD: W33643 - Stds 402, 403, 404, 405 and 406 are to be planted into a wildlife mix. Std. 406 was not planted, due to the logging road being too wet to gain access. Four openings is 5.6 acres. 03/10/2009 - Pesticide Application Plan submitted. 08/06/2008 - Pesticide Evaluation Report submitted. 08/29/2008 - planted into a wildlife mix. 10/23/2008 - partial forest treatment completion report submitted. Topdressing with fertilizer, mowing, and frost-seeding is needed annually for this multi-year FTP. 03/17/210 - frost-seeded. 05/05/2010 - fertilized. 08/05/2010 - mowed. 04/07/11 - Frost seeded 8lbs per acre, 75% red clover / 25% dutch white clover. 5/23/11 - Fertilized with 0-14-42, 250lbs per acre. OI Stand Year Origin was
403	3102 - Grass	0.5	Yes	OPIC - FMD: Once was a managed opening. Mainly cool summer grasses. Fair amount of birdsfoot trefoil present. Small patch of rubus. FTP will be prepared and implemented only if desired as a project by a conservation organization. W33643 - Stds 402, 403, 404, 405 and 406 are to be planted into a wildlife mix. Std. 406 was not planted, due to the logging road being too wet to gain access. Four openings is 5.6 acres. 03/10/2009 - Pesticide Application Plan submitted. 08/06/2008 - Pesticide Evaluation Report submitted. 08/29/2008 - planted into a wildlife mix. 10/23/2008 - partial forest treatment completion report submitted. Topdressing with fertilizer, mowing, and frost-seeding is needed annually for this multi-year FTP. 03/17/210 - frost-seeded. 05/05/2010 - fertilized. 08/05/2010 - mowed. 04/07/11 - Frost seeded 8lbs per acre, 75% red clover / 25% dutch white clover. 5/23/11 - Fertilized with 0-14-42, 250lbs per acre. OI Stand Year Origin was





Stand	Cover Type	Acres	Managed Site	General Comments:
404	3102 - Grass	1.2	Yes	<p>OPIC - FMD: Once was a managed opening. Mainly cool summer grasses. Fair amount of birdsfoot trefoil present. Small patch of rubus. FTP will be prepared and implemented only if desired as a project by a conservation organization. W33643 - Stds 402, 403, 404, 405 and 406 are to be planted into a wildlife mix. Std. 406 was not planted, due to the logging road being too wet to gain access. Four openings is 5.6 acres. 03/10/2009 - Pesticide Application Plan submitted. 08/06/2008 - Pesticide Evaluation Report submitted. 08/29/2008 - planted into a wildlife mix. 10/23/2008 - partial forest treatment completion report submitted. Topdressing with fertilizer, mowing, and frost-seeding is needed annually for this multi-year FTP. 03/17/210 - frost-seeded. 05/05/2010 - fertilized. 08/05/2010 - mowed. 04/07/11 - Frost seeded 8lbs per acre, 75% red clover / 25% dutch white clover. 5/23/11 - Fertilized with 0-14-42, 250lbs per acre. OI Stand Year Origin was</p>
405	3102 - Grass	1.5	Yes	<p>OPIC - FMD: Once was a managed opening. Mainly cool summer grasses. Fair amount of birdsfoot trefoil present. Small patch of rubus. FTP will be prepared and implemented only if desired as a project by a conservation organization. W33643 - Stds 402, 403, 404, 405 and 406 are to be planted into a wildlife mix. Std. 406 was not planted, due to the logging road being too wet to gain access. Four openings is 5.6 acres. 03/10/2009 - Pesticide Application Plan submitted. 08/06/2008 - Pesticide Evaluation Report submitted. 08/29/2008 - planted into a wildlife mix. 10/23/2008 - partial forest treatment completion report submitted. Topdressing with fertilizer, mowing, and frost-seeding is needed annually for this multi-year FTP. 03/17/210 - frost-seeded. 05/05/2010 - fertilized. 08/05/2010 - mowed. 04/07/11 - Frost seeded 8lbs per acre, 75% red clover / 25% dutch white clover. 5/23/11 - Fertilized with 0-14-42, 250lbs per acre. OI Stand Year Origin was</p>
406	3302 - Low Density Conifer Trees	1.2	Yes	<p>OPIC - FMD: Once was a managed opening. Mainly cool summer grasses. Fair amount of birdsfoot trefoil present. Small patch of rubus. FTP will be prepared and implemented only if desired as a project by a conservation organization. W33643 - Stds 402, 403, 404, 405 and 406 are to be planted into a wildlife mix. Std. 406 was not planted, due to the logging road being too wet to gain access. OI Stand Year Origin was</p>