



# Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33091

Entry Year 2018

Acreage: 1,917

County Delta

Management Area: Dead Horse Moraines

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

**Stand Examiner:** Dan McNamee

**Legal Description:**

T43N-R22W, Sections 5, 8, and 17.

**Identified Planning Goals:**

**Soil and topography:**

Topography ranges from nearly level to slight and moderate slopes. Soils are poorly drained nonacid organic soils, poorly drained loamy soils, well drained loams, and poorly drained loams.

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

Compartment 91 is centrally located in a larger contiguous state-owned block of land. Primary uses are for forest and wildlife production and outdoor recreation in the form of hunting and trapping.

**Unique Natural Features:**

The Rapid River and Deadhorse Creek join together as they flow through this compartment.

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

None.

**Special Management Designations or Considerations:**

Regenerating over-mature Aspen stands, maintenance and improvement of the northern hardwoods, spruce–fir and other softwood types. Maintenance of wildlife habitat in the form of winter cover, forage producing trees, and grass openings.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

This compartment has a large acreage of northern hardwood forest which shows variable regeneration density in the understory. Some stands are mediocre while others show very good seedling and sapling development. Several of these stands will undergo treatment this decade to reduce basal areas and release the established understory. Maintenance of uncommon tree species (such as yellow birch, black cherry, and upland cedar) is recommended for enhancement of wildlife habitat. In addition, a large amount of lowland hardwood is mature and prescribed for harvest this decade. This compartment is located within the Deadhorse-North Perkins Deer Wintering Complex. As a result, maintenance of cedar stands has been recommended to provide winter cover for deer along and other wildlife species. Most deciduous treatments will occur in the winter and felled tops will be retained for deer browse. Several grass openings in this compartment were constructed 20-25 years ago for wildlife habitat. Herbaceous plantings will be implemented this decade to provide food resources for deer and other wildlife species.

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

Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton Limestone underlies the glacial drift. The Trenton is quarried for stone to the south, near Rapid River. This Compartment was not previously leased for metallic exploration, but nearby areas were leased in the past. A gravel pit is located in Section 6 and there is potential. No economic oil and gas production has been found in the UP.

**Vehicle Access:**

The Engineer Road and the North and South Deadhorse Roads provide access into this compartment.

At this time the bridge that crosses the Deadhorse Creek via the south Deadhorse Road is closed to vehicular traffic because the bridge is unsafe. Although it is closed to conventional 2 wheel vehicles, 4 wheeler traffic and foot traffic is

allowed.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

Hunting and trapping. ORV and snowmobile use in this area is moderate and largely a result of hunter and trapper use.

**Fire Protection:**

The above mentioned roads provide access to this area in the case a fire should ever start in this area. The type of timber located in this area keeps the potential of a large fire low to moderate.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

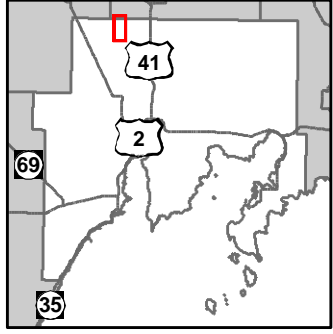
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

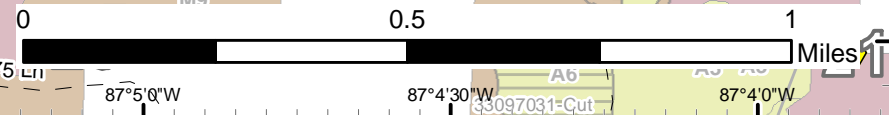
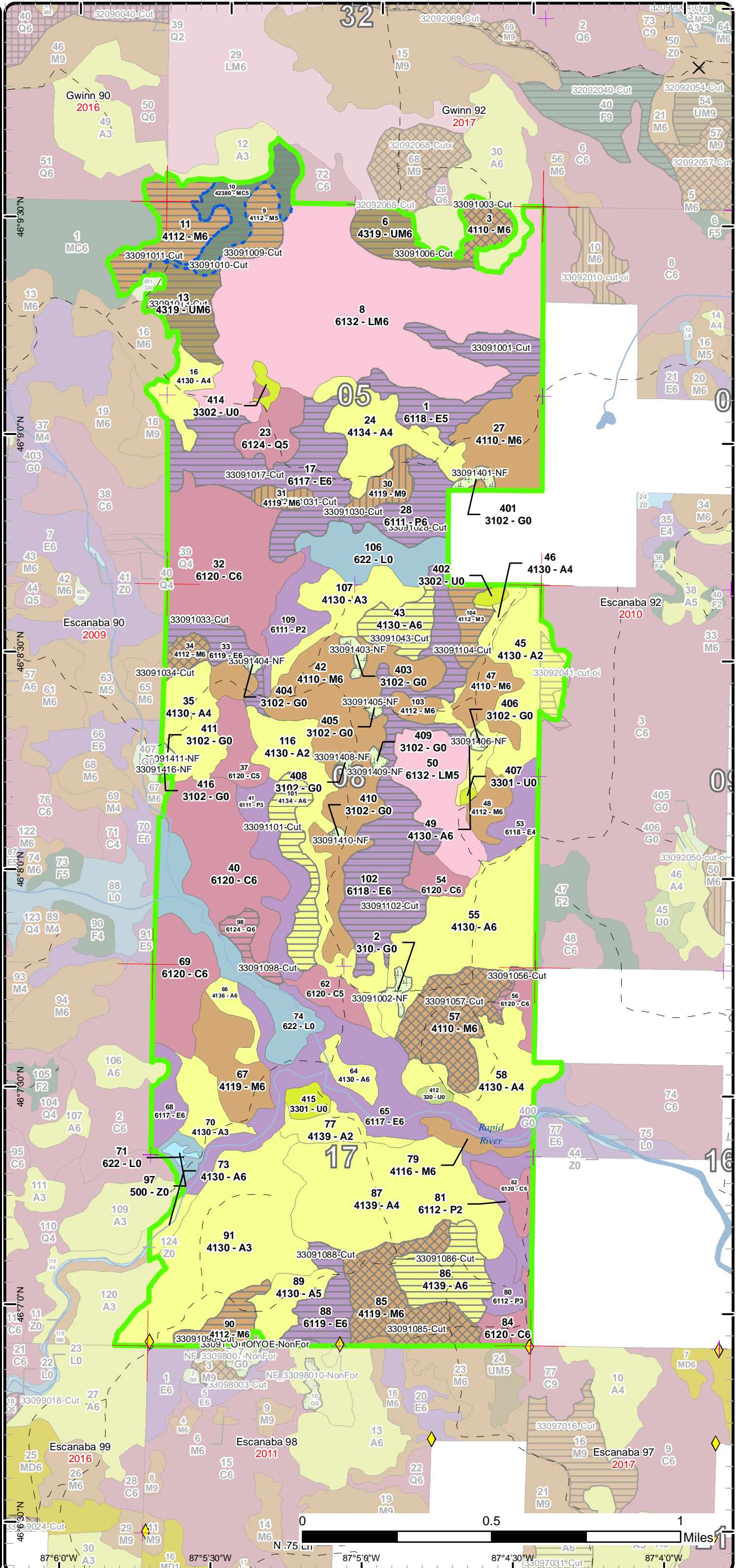
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 91  
 T43N R22W Sec. 05, 08, 17  
 County: Delta  
 Unit: Escanaba  
 Mgmt Area: Dead Horse Moraines  
 YOE: 2018  
 Acres: 1918 GIS Calculated  
 Examiner: Dan McNamee  
 Map Revised: 6/29/2016  
 Map Phase: Web-Post



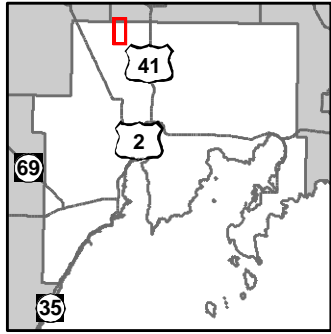
- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ✕ Gate
- - Poor Dirt Roads
- Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes



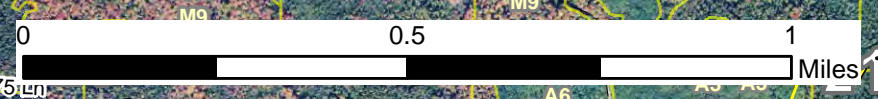
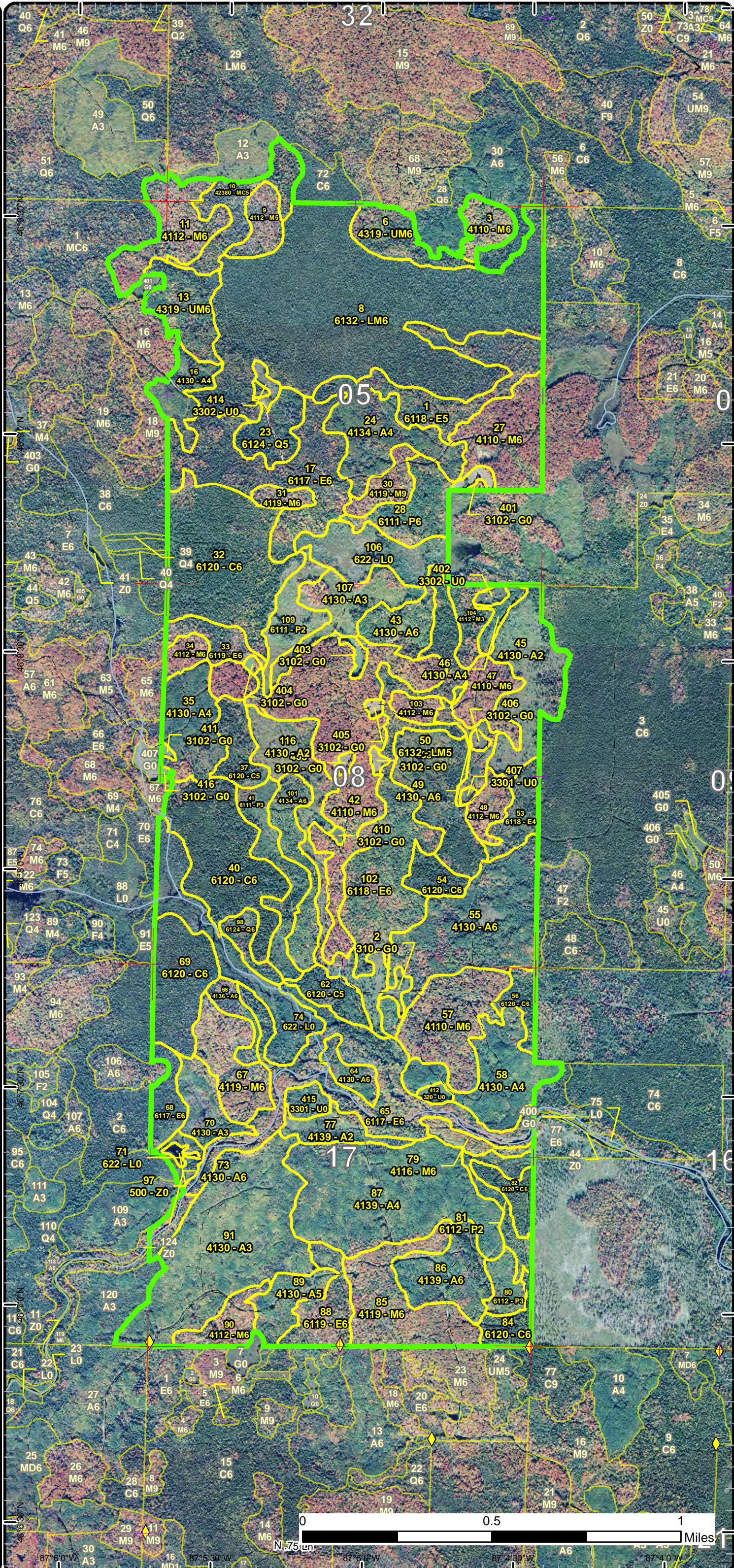
87°6'0"W 87°5'30"W 87°4'30"W 87°4'0"W  
 46°9'30"N 46°9'0"N 46°8'30"N 46°8'0"N 46°7'30"N 46°7'0"N 46°6'30"N 46°6'0"N

# Stand Boundary Map

Compartment: 91  
 T43N R22W Sec. 05, 08, 17  
 County: Delta  
 Unit: Escanaba  
 Mgmt Area: Dead Horse Moraines  
 YOE: 2018  
 Acres: 1918 GIS Calculated  
 Examiner: Dan McNamee  
 Map Revised: 6/29/2016  
 Map Phase: Web-Post

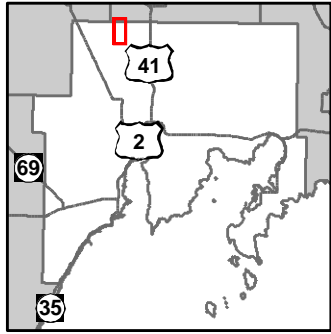


- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ✕ Gate
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
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- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

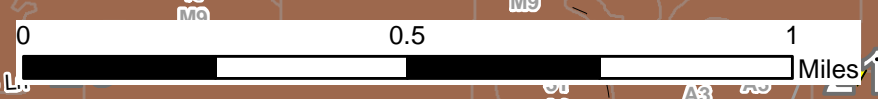
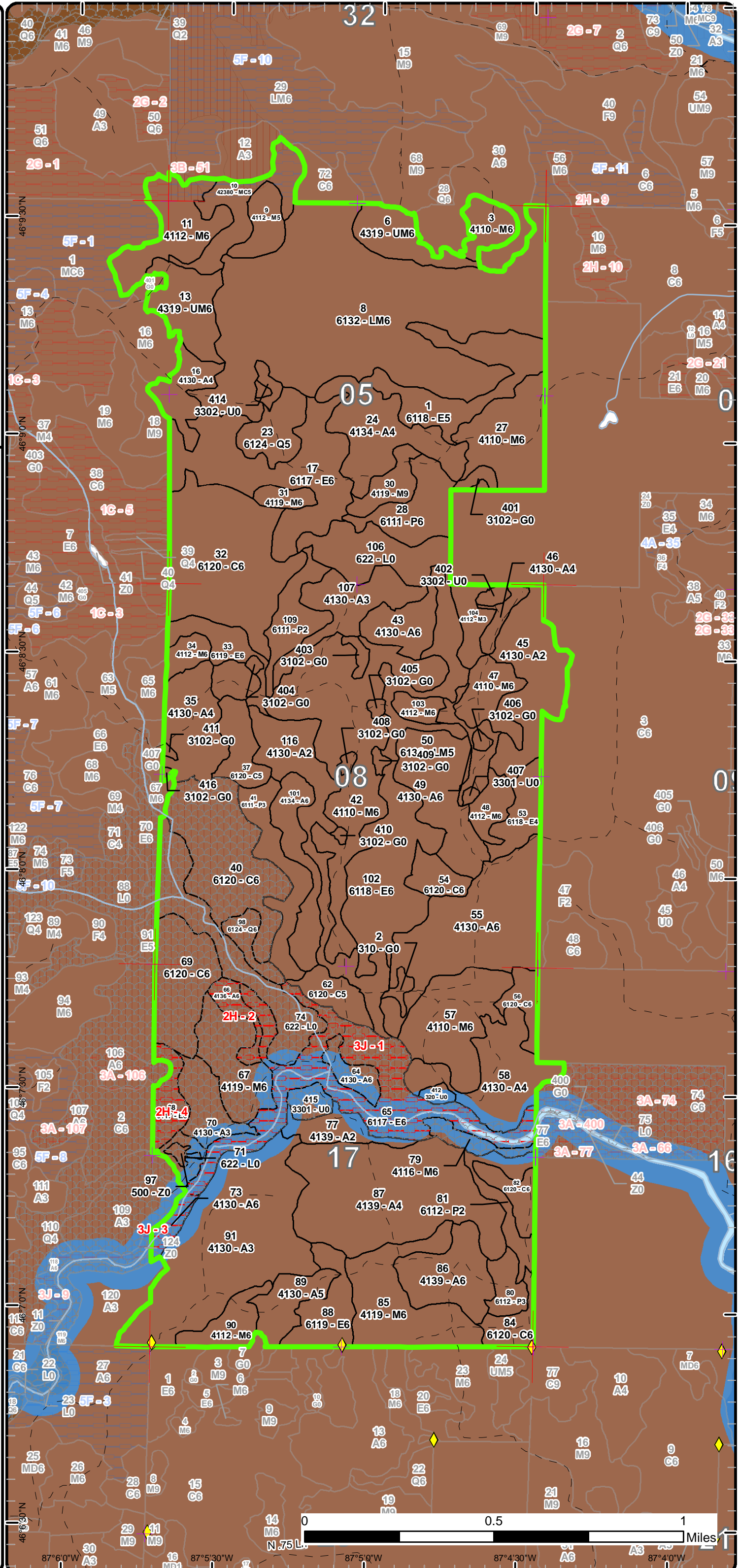


# Special Conservation Areas & Site Conditions Map

Compartment: 91  
 T43N R22W Sec. 05, 08, 17  
 County: Delta  
 Unit: Escanaba  
 Mgmt Area: Dead Horse Moraines  
 YOE: 2018  
 Acres: 1918 GIS Calculated  
 Examiner: Dan McNamee  
 Map Revised: 6/29/2016  
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- X Gate
- Poor Dirt Roads
- Rivers
- Compartment Boundary
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Potential Old Growth
- Other SCA (No Category Assigned)



87°6'0"W    87°5'30"W    87°5'0"W    87°4'30"W    87°4'0"W  
 46°9'30"N    46°9'0"N    46°8'30"N    46°8'0"N    46°7'30"N

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	114	90	253	55	0	69	0	0	5	0	0	0	0	0	0	0	0	584
Cedar	0	0	0	0	0	0	0	0	0	0	68	67	75	0	0	0	0	0	210
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Aspen/Balsam Poplar	0	16	42	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	78
Lowland Conifers	0	0	0	16	0	0	0	0	0	7	0	0	0	0	0	0	0	0	23
Lowland Deciduous	0	0	13	0	0	0	0	0	0	158	0	11	69	0	0	0	0	33	284
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	230	0	0	0	0	0	0	230
Lowland Shrub	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Northern Hardwood	0	0	0	0	0	0	0	0	0	185	63	0	0	0	0	0	0	101	349
Upland Conifers	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	22
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0	39
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>99</b>	<b>130</b>	<b>145</b>	<b>269</b>	<b>55</b>	<b>0</b>	<b>112</b>	<b>0</b>	<b>0</b>	<b>394</b>	<b>131</b>	<b>78</b>	<b>374</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>134</b>	<b>1918</b>



## Report 2 – Treatment Summary

**Escanaba Mgt. Unit**

**Year of Entry: 2018**

**Acres of Harvest**

**Compartment 91**

**Total Compartment Acres: 1,917**

Commercial Harvest - 461  
 Harvests with Site Condition - 50  
 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	62	0	0	0	0	0	0	0	0	62
Cedar	2	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	21	0	0	0	0	0	0	0	0	21
Lowland Conifers	7	0	0	0	0	0	0	0	0	7
Lowland Deciduous	191	0	0	0	0	0	0	0	0	191
Northern Hardwood	61	91	0	0	16	0	0	0	0	167
Upland Conifers	22	0	0	0	0	0	0	0	0	22
Upland Mixed Forest	39	0	0	0	0	0	0	0	0	39
<b>Total</b>	<b>404</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>510</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	510	0	0	0	0	0	0	13	0	524
Next Step	0	0	0	0	0	510	0	0	0	510
<b>Total</b>	<b>510</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>510</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>1034</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	33091001-Cut	33.0	6118 - Lowland Deciduous with Cedar	Poletimber Medium	90	1-50	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees, leave patches of heavier cedar.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Rm, ash, fb, fs, yb, c.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
2	33091002-NF	2.5	310 - Herbaceous Openland	Nonstocked	0	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											
<u>Specs:</u> 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>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											
3	33091003-Cut	10.4	4110 - Sugar Maple Association	Poletimber Well	81	81-110	Harvest	Group Selection	411 - Northern Hardwood	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> crop tree release, managing for the best quality tree in place. Also, open up areas where maple regeneration is established.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any northern hardwood spp.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
6	33091006-Cut	16.8	4319 - Mixed Upland Forest	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees, leave areas where cedar is heavy.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Rm, A, P, Fb, Fs,											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 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
9	33091009-Cut	11.0	4112 - Maple, Beech, Cherry Association	Poletimber Medium	81	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Clearcut except leave some yellow birch and other under representative trees for wildlife. Part of this stand is in the Gwinn unit. Will have to work with Gwinn staff on this.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Rm, Fb, Fsw, and Sm.								
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
10	33091010-Cut	22.0	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Evaluated for Forest Health</b>								
<u>Prescription</u>			Clear-cut leaving some of the yellow birch and other lower representative spp. Part of the stand is in the Gwinn unit. Will have to work with the Gwinn staff to insure all concerns are met.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Rm, Fb, Fs								
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
11	33091011-Cut	27.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	81	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Evaluated for Forest Health</b>								
<u>Prescription</u>			Clear cut leaving some of the under representative spp such as yb and ironwood. Part of stand is located in the Gwinn unit. will contact Gwinn unit to work with staff.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Rm, Sm, Fb, Fs.								
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2017								
13	33091013-Cut	21.9	4319 - Mixed Upland Forest	Poletimber Well	81	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>			Cut all trees, except leave heavy cedar patches intact.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Fb, Rm, P, A, Yb, Fs.								
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			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
17	33091017-Cut	57.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	6118 - Lowland Deciduous with Cedar	Even-Aged	Proposal

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

Prescription Clear cut leaving retention in areas of heavier cedar concentration trying to create corridors between stands 8 and 32.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Rm, Sm, ash, P, and A.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

28	33091028-Cut	20.5	6111 - Lowland Balsam Poplar	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	6111 - Lowland Balsam Poplar	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut leaving some Yb and other under representative spp and any areas that are heavier to cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable P, A, Rm,, Yb, Fb, and Fs.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

30	33091030-Cut	10.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	91	51-80	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription CC with retention, leaving some of the under represented spp., the area that was treated in past could have a light thinning.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple and ash.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

31	33091031-Cut	5.2	4119 - Mixed Northern Hardwoods	Poletimber Well	91	51-80	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Remove BA to 10 - 20 residual BA. Leave some Yb, Wb, and Rm to make up the residual BA.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Rm, Yb, Fb, Fs and Sm.

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
33	33091033-Cut	12.7	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	89	51-80	Harvest	Clearcut with Retention	6119 - Mixed Lowland Deciduous Forest	Even-Aged	Proposal

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

Prescription Clear cut with retention leaving a corridor of timber that will extend into stand 32, corridor should be in the heavier cedar area.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple and ash with mixed conifer spp.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

34	33091034-Cut	6.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	87	81-110	Harvest	Group Selection	411 - Northern Hardwood	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut stand hard, open stand to 60-70 BA. Create larger canopy gaps to promote regen. Possibly treat with stand 65 in adjacent compartment 90.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any northern hardwood spp.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

43	33091043-Cut	15.1	4130 - Aspen	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees except leave patches where cedar is heavy.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A, spruce/fir and maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

56	33091056-Cut	2.1	6120 - Lowland Cedar	Poletimber Well	108	111-140	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription remove all trees in a 1-2 chain wide strip along the west edge of stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any northern hardwood spp.

Regen:

Other treat the upland portion of stand,

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
57	33091057-Cut	36.3	4110 - Sugar Maple Association	Poletimber Well	81	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal

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

Prescription open stand up to release established regen. Create canopy gaps where regen is established. release best tree where BA's are running higher.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Rm, Sm.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

85	33091085-Cut	38.3	4119 - Mixed Northern Hardwoods	Poletimber Well	87	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Retain 70 BA in the higher quality areas and cut the lower areas harder leaving Yb in the lower areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable associated upland and lowland hardwood spp.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

86	33091086-Cut	26.2	4139 - Aspen, Mixed Deciduous	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut leaving area retention patches that will be 3-10% of acreage and will be determined at time of sale.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable A, P, Ash, Rm, Fb and Fs.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

88	33091088-Cut	17.8	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	89	51-80	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees except leave cedar patches in the heavy cedar areas, also stay out of the lowest wet areas and tag alder/small ash areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Ash, Rm, Fb, Fsw, 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
90	33091090-Cut	12.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	89	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal

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

Prescription Potential to mark out the higher quality areas and select cut by marking. the rest of stand should be Cc and leave the hemlock and some Yb along the edges of the stand. leave a retention patch somewhere along the red line.

Specs:

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

Acceptable Maple, ash, birch and mixed upland conifers.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

98	33091098-Cut	7.4	6124 - Lowland Spruce-Fir	Poletimber Well	88	1-50	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees except cedar, follow SBW guidelines.

Specs:

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

Acceptable Spruce, fir, tamarack and mixed deciduous.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

101	33091101-Cut	20.4	4134 - Aspen, Spruce/Fir	Poletimber Well	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees except leave a patch along red line which will be determined at time of sale.

Specs:

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

Acceptable Aspen, spruce, fir.  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

102	33091102-Cut	69.5	6118 - Lowland Deciduous with Cedar	Poletimber Well	89	51-80	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut all trees except leave the heavier areas of cedar intact. These will be determined at time of sale set up.

Specs:

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

Acceptable lowland dicidous with other lowland conifer spp.  
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
104	33091104-Cut	9.5	4112 - Maple, Beech, Cherry Association	Sapling Well	89	51-80	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees > than 2".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> A, Rm, Fb											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
401	33091401-NF	2.8	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											
<u>Specs:</u> 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>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
403	33091403-NF	2.4	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											
<u>Specs:</u> 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>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
404	33091404-NF	1.0	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											
<u>Specs:</u> 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>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other 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	33091405-NF	1.2	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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. Also sharecropping could be considered for this opening.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2016

406	33091406-NF	1.3	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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. Also sharecropping could be considered for this opening.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2016

408	33091408-NF	1.3	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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. Also sharecropping could be considered for this opening.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2016

409	33091409-NF	1.3	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	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. Also sharecropping could be considered for this opening.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 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
410	33091410-NF	0.8	3102 - Grass	Nonstocked		Unspec ified	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  
Specs: 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.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2016

411	33091411-NF	0.7	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	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: 10/01/2017

416	33091416-NF	0.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	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. Also sharecropping could be considered for this opening.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2016

**Total Treatment  
 Acreage Proposed: 526.2**



## Report 4 – Site Conditions

Escanaba Mgt. Unit  
Dan McNamee : Examiner

Compartment: 91  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5F	2G	2H	3B	3J
585	573	0	13	Aspen			7		5
209	209	0	0	Cedar					
16	16	0	0	Herbaceous Openland					
12	12	0	0	Low-Density Trees					
79	79	0	0	Lowland Aspen/Balsam Poplar					
23	23	0	0	Lowland Conifers					
284	204	0	80	Lowland Deciduous			11		69
230	230	0	0	Lowland Mixed Forest					
67	67	0	0	Lowland Shrub					
348	342	4	2	Northern Hardwood	4	2		0	
22	11	11	0	Upland Conifers	11				
39	39	0	0	Upland Mixed Forest					
2	2	0	0	Upland Shrub					
2	2	0	0	Water					
1,917	1,808	15	95	Total Forested Acres	15	2	18	0	74
	94%	1%	5%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3J: Water quality / BMPs (stream, river, or lake)	69	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								
2	Unavailable		2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> blocked by river, to small acreage to be feasible for treating.								

**Report 4 – Site Conditions**

**Escanaba Mgt. Unit**  
**Dan McNamee : Examiner**

**Compartment: 91**  
**Year of Entry: 2018**

3	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> buffer along rapid river.							
4	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Blocked by Rapid river.							

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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6118 - Lowland Deciduous with Cedar	Poletimber Medium	33.0	90	1-50	2016-bigger timber than stand to the north, more lowland hardwoods than cedar. OPIC - FMD: Small diameter timber, cedar is poor quality, crooked, small.
3	4110 - Sugar Maple Association	Poletimber Well	10.4	81	81-110	Does not appear that this stand was treated last time around. Treat this stand when Gwinn Unit put up the timber to the north in GW comp 92. OPIC - FMD: Stand was treated in 1992. There is good maple regeneration is 10-15' tall. Not the best quality. Create some canopy gaps to release established regen. Sale will have to be put up with the area to the north. Contact Gwinn, put up as additional timber when stands 56 & 71 of compartment 92 is being treated.
6	4319 - Mixed Upland Forest	Poletimber Well	16.8	80	81-110	2016- was suppose to be treated with Gwinn sale to the north but wasn't. contains a mix of spp. and high and low ground. OPIC - FMD: Heavier to cedar. Low area between A3 stand to the east and M6 to the west.
8	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	195.5	112	51-80	2016- predominately cedar, lots of young ash 1-5 " dbh. OPIC - FMD: STAND CONTAINS C5,Q5, AND E AREAS.
9	4112 - Maple, Beech, Cherry Association	Poletimber Medium	11.0	81	51-80	2016 - heavy understory of fir. South edge of this stand was cut and is filling in with Rm, P, Fb and Fs, residual Rm, FB and Fs scattered. OPIC - FMD: Stand was treated in 2001 (Deadhorse Chase sale). Balsam fir in understory.
10	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Medium	22.0	51	51-80	2016 - not much regen from last treatment. OPIC - FMD: Stand was treated in 2001 (deadhorse chase sale) Balsam fir and Spruce were left for seed, Yellow birch was also left.
11	4112 - Maple, Beech, Cherry Association	Poletimber Well	27.7	81	51-80	2016- some regen from last treatment. OPIC - FMD: treated in 2001 (Deadhorse chase sale).
13	4319 - Mixed Upland Forest	Poletimber Well	21.9	81	51-80	OPIC - FMD: B3,F3,& P3 ALL OCCUR IN THE UNDERSTORY.
16	4130 - Aspen	Poletimber Poor	14.4	32	Immature	2016- heavy to Rm in the understory in places, aspen is good quality. OPIC - FMD: OI Stand Year Origin was 1992
17	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	57.6	81	81-110	2016- this stand contains a mix of everything, higher ground is more of an "RM" lower ground "E" with inclusions of "C". OPIC - FMD: Real mackinaw mix. Ground is marginal, high in spots, low in others. Hard to call this one has a tendency to be more of lowland hardwood type.
23	6124 - Lowland Spruce- Fir	Poletimber Medium	15.8	28	1-50	2016- this stand is fully stocked stand of spruce fir. there are areas of lower ground that are mainly tag alder. OPIC - FMD: Treated about 10 years ago, filling in with balsam fir.
24	4134 - Aspen, Spruce/Fir	Poletimber Poor	35.1	24	Immature	OPIC - FMD: Coming out of the seedling stage into the sapling stage.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	4110 - Sugar Maple Association	Poletimber Well	32.4	91	51-80	2016- areas of Sm regen 3'- 5' tall. Ironwood and cherry in understory. OPIC - FMD: 2011- Treated in 2009-2011 under contract 330060801, north deadhorse hardwoods sale. This stand contains a gravel pit. Pit location is on the south side of the Deadhorse road.
28	6111 - Lowland Balsam Poplar	Poletimber Well	20.5	53	81-110	OPIC - FMD: 42 years old, hold for next treatment period.
30	4119 - Mixed Northern Hardwoods	Sawtimber Well	10.4	91	51-80	2016- more red maple than s. maple, west side of stand recently cut. OPIC - FMD: Treated in 2009-2011 under contract 330060801, North Deadhorse Hardwood Sale.
31	4119 - Mixed Northern Hardwoods	Poletimber Well	5.2	91	51-80	2016- not the best quality Rm. where stand was opened up there is some maple regen. Regen is being browsed by deer. OPIC - FMD: Treated in 2009-2011 under contract 330060801, North Deadhorse Hardwoods Sale.
32	6120 - Lowland Cedar	Poletimber Well	68.4	98	141-170	2016- Center of stand contains a pocket of black spruce, rest of stand is predominately cedar. OPIC - FMD: CONTAINS AREAS OF C4,Q,& L.
33	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	12.7	89	51-80	2016- As you walk north through the stand the timber gets sparse and ground gets lower. OPIC - FMD: OI Stand Year Origin was 1927
34	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.2	87	81-110	OPIC - FMD: Treated in 2001, contract 004-98-01. Stand was selectively marked.
35	4130 - Aspen	Poletimber Poor	25.9	34	Immature	OPIC - FMD: OI Stand Year Origin was 1989
37	6120 - Lowland Cedar	Poletimber Medium	13.5	116	51-80	OPIC - FMD: Treated in 2002, contract 007-98-01. Most of the merchantable timber was harvested. Cedar, ash, yellow birch and white birch were left. Mix softwood is balsam and spruce.
40	6120 - Lowland Cedar	Poletimber Well	51.6	118	141-170	
41	6111 - Lowland Balsam Poplar	Sapling Well	21.4	15	Immature	OPIC - FMD: Treated in 2001, contract 33-07-98-01. Heavy to P3 on high ground, low ground is filling in with upland spruce-fir.
42	4110 - Sugar Maple Association	Poletimber Well	85.8	89	81-110	2016- Nice quality hardwood stand. look at treating next inventory cycle. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale.
43	4130 - Aspen	Poletimber Well	15.1	53	81-110	2016- balsam and spruce is dead, some cedar scattered throughout. OPIC - FMD: Nice stand of aspen, will hold for 10 yrs.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	4130 - Aspen	Sapling Medium	38.5	5	Immature	2016- stand filling in with aspen/balm with residual cedar left, some cedar has blown over. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale. 2006 comments=Should have been treated the last time around. Lost a lot of balsam. West side of stand contains more balm, East side more aspen.
46	4130 - Aspen	Poletimber Poor	5.0	28	Immature	2016- just coming into pole timber stand. OPIC - FMD: A3 grading to A4.
47	4110 - Sugar Maple Association	Poletimber Well	15.1	91	51-80	2016- Nice hardwood, some maple regen in places, some of the nicest cherry sawtimber on unit. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale. THINNED IN 1992. NEEDS TO BE THINNED AGAIN. Create some larger (approx 60') canopy gaps for black cherry regeneration. Leave upland cedar.
48	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.0	89	51-80	2016- Predominately Rm , mix conifer scattered, north tip of stand is younger 28 yrs old. consider clear cutting next time around when stand 47 is treated so sale will be large enough. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale.
49	4130 - Aspen	Poletimber Well	8.2	27	Immature	2016- stand just coming into pole sized. OPIC - FMD: A3/M2, Areas of A3 and areas of maple., varies as you go thru stand.
50	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	34.3	110	1-50	2016- where stand was opened up it is coming back to P, Rm, Ash, aspen is located on ridge in north part of stand and road is located there. Residual cedar is heavy in places. OPIC - FMD: This stand was cut in 1999 under contract number 33-010-98-01.
53	6118 - Lowland Deciduous with Cedar	Poletimber Poor	13.0	17	Immature	fully stocked with Rm and P, residual cedar was left. OPIC - FMD: This stand was cut in 1999 under contract number 33-010-98-01.
54	6120 - Lowland Cedar	Poletimber Well	8.9	104	111-140	Treated in 1999. cedar with ash. lots of ash in the understory and lots of it is being browsed by deer.
55	4130 - Aspen	Poletimber Well	63.0	29	Immature	2016- Nice aspen stand, some scattered Sm and Rm in canopy and understory. Some wet drainages throughout the stand. OPIC - FMD: This stand has a small constructed opening within it. OI Stand Year Origin was 1987
56	6120 - Lowland Cedar	Poletimber Well	7.9	108	111-140	2016- predominately cedar, west edge of stand contains poor quality maple, Yb, Fb. OPIC - FMD: OI Stand Year Origin was 1908
57	4110 - Sugar Maple Association	Poletimber Well	36.3	81	51-80	2016- Nice maple stand. good amount of maple regen (1'-1.5' tall) but deer are browsing it, some pockets of 5-10' tall saplings scattered throughout. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale. Mix hardwood is mixture of basswood and red maple.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	4130 - Aspen	Poletimber Poor	35.2	28	Immature	2016- Nice aspen stand, lots of sugar maple in understory. OPIC - FMD: Just reaching the A4 stage.
62	6120 - Lowland Cedar	Poletimber Medium	10.8	106	1-50	OPIC - FMD: STAND CUT IN 1990-WILL BECOME A P6.
64	4130 - Aspen	Poletimber Well	7.6	20	Immature	OPIC - FMD: Treated in 1996. SCA-Stand is within the rapid river floodplain.
65	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	68.6	116	81-110	2016- could not cross deadhorse creek or rapid river because it was not frozen. OPIC - FMD: SCA, Buffer along the Rapid River. There is also a BMP issue located at the stream crossing, ORV's are using this area to cross and it is illegal
66	4136 - Aspen, Mixed Conifer	Poletimber Well	7.2	54	51-80	2016- Did not look at stand. could not cross the deadhorse creek or rapid river because it did not freeze. OPIC - FMD: Young stand. Mix of aspen and balm with some softwoods. SCA- stand is within floodplain of Rapid river and Deadhorse Creek.
67	4119 - Mixed Northern Hardwoods	Poletimber Well	24.9	85	51-80	2016- stand not looked at this inventory cycle. could not cross the deadhorse creek and rapid river because they did not freeze. OPIC - FMD: CUT IN 1996 UNDER CONTRACT #33-034-93-01. SCA- Within the Deadhorse creek and Rapid River floodplain.
68	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	11.1	103	51-80	2016 - Did not look at this stand due to the creek and river not being froze. OPIC - FMD: LOWLAND AREA WITH DRAINAGE FLOWING TO RAPID RIVER.
69	6120 - Lowland Cedar	Poletimber Well	30.3	103	141-170	2016- did not look at this stand due to creek and river not being frozen. OPIC - FMD: Mix hardwood spp is made up of Black ash and white birch.
70	4130 - Aspen	Sapling Well	15.4	20	Immature	2016-Did not look at this stand due to the creek and rapid river not being frozen. OPIC - FMD: Treated in 1996, contract#33-34-93-01.
73	4130 - Aspen	Poletimber Well	5.3	89	51-80	2016- stand not looked at due to creek and river not being frozen. OPIC - FMD: Buffer along river.
77	4139 - Aspen, Mixed Deciduous	Sapling Medium	11.9	5	Immature	OPIC - FMD: If any Cedar is within the Sale area, it will be left as Requested by WLD Division. Treated in 2011 under contract 330110801, Engineer Road Patches.
79	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	6.8	89	81-110	2016- could be treated but not enough acreage to treat by itself. OPIC - FMD: Small buffer patch along River. Mix hardwood spp is made up of Yellow birch and basswood.
80	6112 - Lowland Aspen	Sapling Well	8.7	14	Immature	
81	6112 - Lowland Aspen	Sapling Medium	12.3	14	Immature	OPIC - FMD: Treated in 2002, contract 003-98-01. Cedar, yellow birch and ash was left.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	6120 - Lowland Cedar	Poletimber Well	9.2	112	81-110	OPIC - FMD: OI Stand Year Origin was 1900
84	6120 - Lowland Cedar	Poletimber Well	8.8	108	111-140	OPIC - FMD: OI Stand Year Origin was 1908
85	4119 - Mixed Northern Hardwoods	Poletimber Well	39.7	87	51-80	2016- there is maple and other hardwood spp regenerating and recruiting into this stand. OPIC - FMD: Treated in 2002, contract 03-98-01. Stand was selectively marked and harvested.
86	4139 - Aspen, Mixed Deciduous	Poletimber Well	26.2	52	51-80	2016- Aspen is not the best quality. OPIC - FMD: YOUNG A6 STAND.
87	4139 - Aspen, Mixed Deciduous	Poletimber Poor	83.3	24	Immature	2016- stand is fully stocked. high ground A, Rm; low is P and ash. OPIC - FMD: Treated in 1992.
88	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	18.5	89	51-80	2016- Ash swale with Rm and other spp. OPIC - FMD: Stand was suppose to be treated under contract # 33-003-98-01. Area is very wet and contractor could not freeze it. It would be best if this stand was left alone. Would have to harvest cedar in order to remove other spp.
89	4130 - Aspen	Poletimber Medium	14.5	38	1-50	OPIC - FMD: OI Stand Year Origin was 1978
90	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.4	89	51-80	2016- Nice 10-20' tall Sm regen in areas. OPIC - FMD: LOW QUALITY/POOR STEM FORM- CONTAINS BLACK ASH SWALES.
91	4130 - Aspen	Sapling Well	90.4	14	Immature	2016- fully stocked aspen stand. OPIC - FMD: Treated in 2002, Contract 002-98-01. Should come back to a fully stocked stand of aspen.
98	6124 - Lowland Spruce- Fir	Poletimber Well	7.4	88	1-50	2016- SBW throughout this area. OPIC - FMD: Treated in the 1960's, balm and balsam fir 10-15' tall.
101	4134 - Aspen, Spruce/Fir	Poletimber Well	20.4	51	51-80	2016- combined stands 100, 99, and 101 into this stand. OPIC - FMD: OI Stand Year Origin was 1965
102	6118 - Lowland Deciduous with Cedar	Poletimber Well	69.5	89	51-80	2016- this stand is a real mix of timber, depends where you are standing as to what you would call it. There is evidence that it was set up for a sale at one time, found old paint lines. OPIC - FMD: OI Stand Year Origin was 1960
103	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.3	89	51-80	2016 some maple and fir regen. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale.
104	4112 - Maple, Beech, Cherry Association	Sapling Well	9.5	89	51-80	2016- Stand was recently treated, regen of Rm, A not the best, residual timber shading it out. PIC - FMD: Treated in 1999, contract#33-10-98-01. Coming back to A3-P3.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>107</b>	4130 - Aspen	Sapling Well	24.0	5	Immature	2016- scattered residual island of cedar and other spp, also a hardwood island located in NW portion of stand. Combined stand 108 into this stand. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale. 2006 comment =Leave some spruce for seed source.
<b>109</b>	6111 - Lowland Balsam Poplar	Sapling Medium	16.1	5	Immature	2016- balm is filling in. Cedar patches were left intact. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale. 2006 comment=Remove shortlived spp. Stay out of heavy cedar There is enough room to move around. Put lines around heavy cedar areas and stay out of those areas. Cut everything else which is not lined. Leave some spruce for seed source.
<b>116</b>	4130 - Aspen	Sapling Medium	38.7	5	Immature	2016- filling in with aspen, A2 /A3. OPIC - FMD: Treated in 200-2011 under contract 330070801, South Deadhorse Mix Sale 2006 comment=Mature aspen, treat this time around.



Stand	Cover Type	Acres	Managed Site	General Comments:
2	310 - Herbaceous Openland	2.5	No	2016 there are patches of timber in the stand. OPIC - FMD: This stand has a small constructed opening within it. OI Stand Year Origin was 1987
71	622 - Lowland Shrub	5.1	No	2016- Stand not looked at due to creek and river not being frozen. OPIC - FMD: Stand lies within floodplain of the Rapid River.
74	622 - Lowland Shrub	35.3	No	2016- this stand includes the deadhorse creek and surrounding floodplain. OPIC - FMD: Lowland brush area along the Rapid River.
97	500 - Water	1.6	No	OPIC - FMD: Beaver pond.
106	622 - Lowland Shrub	26.3	No	2016- filling in with lowland shrubs. OPIC - FMD: Old beaver flooding.
401	3102 - Grass	2.8	Yes	OPIC - FMD: OPENING CONSTRUCTED IN JULY 1993. Contact wildlife if using opening for landing areas.
402	3302 - Low Density Conifer Trees	2.3	No	2016 filling in with conifer. OPIC - FMD: OPENING CONSTRUCTED IN MAY 1993. Contact wildlife if opening will be used for landings.
403	3102 - Grass	2.4	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact wildlife if opening will be used for landing
404	3102 - Grass	1.0	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact wildlife if using for landing.
405	3102 - Grass	1.2	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact wildlife Div if using for landing.
406	3102 - Grass	1.3	No	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact wildlife Div. If if using for landings.
407	3301 - Low Density Deciduous Trees	1.0	No	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div. If using for landings.
408	3102 - Grass	1.3	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div if using for landing.
409	3102 - Grass	1.3	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div if using for opening.
410	3102 - Grass	0.8	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div. If using for landing.
411	3102 - Grass	0.7	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div, if using for landing.



Stand	Cover Type	Acres	Managed Site	General Comments:
412	320 - Upland Shrub	2.4	No	OPIC - FMD: OPENING CONSTRUCTED IN AUG. 1990. Contact Wildlife Div if using as landing.
414	3302 - Low Density Conifer Trees	2.8	Yes	OPIC - FMD: OPENING CONSTRUCTED IN 1990. Contact Wildlife Div if using for landing.
415	3301 - Low Density Deciduous Trees	5.6	No	OPIC - FMD: Contact wildlife Div if using for landing area.
416	3102 - Grass	0.5	No	OPIC - FMD: Contact Wildlife Div. If using for landing area.