



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41035

Entry Year 2017

Acreage: 1,628

County Schoolcraft

Management Area: Seney Manistique Swamp

Revision Date: 2015-08-04

Stand Examiner: Adam Petrelius

Legal Description:

T43N R16W Sections 1,2,11,12,13

Identified Planning Goals:

This compartment lies within the Seney-Manistique Swamp Management Area. The main goal of this compartment is to conduct multiple resource management for current and future generations.

Soil and topography:

The topography in this compartment is mostly flat to slightly rolling. A wide variety of soil types are located within the compartment and support high quality hardwoods, mixed pine, and lowland conifer species. The major soil types found within the compartment, in order of abundance, are Carbon-Lupton-Tawas Mucks, Markey Mucky Peat, and Pelkie. The major habitat types within the compartment, in order of abundance, are Unclassified Wetland, AFPO, and PVE. Most of the compartment lies within the Stutts Creek Sands Land Type Association. Other Land Type Associations found within the compartment are the Hickey Creek Peatlands and Hiawatha Moraine.

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

Adjacent ownership along the compartment boundary is a mixture of both private and state land. Numerous camps and permanent residences are located along the southwest portion of the compartment boundary.

State land within this compartment was acquired between 1927 and 1951. Most of the land was either tax reverted or purchased, but some was exchanged with both private individuals and the Federal Government.

Unique Natural Features:

Under review.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

An Ecological Reference Area (ERA) for a dry northern forest is located within the compartment.

Watershed and Fisheries Considerations:

Stutts Creek is found in this compartment and is classified as warm-water although brook trout can be found in this system. BMP's should be followed as inputs of sediment and increases in sand bedload need to be prevented.

Wildlife Habitat Considerations:

This compartment is located in central Schoolcraft County and lies to the north of M-94. Stutts Creek traverses the area from northwest to southeast. A large portion of the compartment is lowland. Early surveyors recorded finding hemlock, white pine, sugar maple, beech, aspen, yellow birch, and basswood in the uplands. Lowland forests were characterized by spruce, tamarack, fir, and cedar. Today's lowlands appear to be fairly similar in species composition to the circa 1850 forests. In the uplands there seems to have been a reduction of hemlock and white pine, and an expansion of jack pine, red pine, and aspen. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Wildlife habitat objectives include regenerating cedar, protecting the Stutts creek corridor, promoting hemlock, enhancing species diversity within hardwood stands, and maintaining aspen as a component within the compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel, coarse-textured till, and peat and muck. There is greater than 50 feet of glacial drift. The Ordovician Richmond Group subgroups below the glacial drift. The Stonington and Big Hill formations could be used for stone/dolomite. Gravel pits are located in sections 4, 23, and 24, and potential appears to be good on the uplands. There is no commercial oil and gas production in the UP. A dry hole was drilled to the southeast in 2005 (Trenton Formation test).

Vehicle Access:

Vehicle access is fair within the compartment. Portions of the compartment are located within ¼ mile of M-94, and Southside Road, a County Road, travels through the compartment. A lot of the forest roads within the compartment are accessed through private land, and much of the compartment is lowland which lacks forest roads.

Survey Needs:

Survey work may be needed.

Recreational Facilities and Opportunities:

There are no recreational facilities within this compartment. Recreational opportunities include hunting, fishing, berry picking, hiking, and riding ORV's.

Fire Protection:

Fire response times to this compartment will be moderate to fast. The absence of forest roads will make fire operations difficult in some areas. Numerous structures are located surrounding the compartment boundary. A lot of potential water sources are also available.

Additional Compartment Information:**The following reports from the Inventory are attached:**

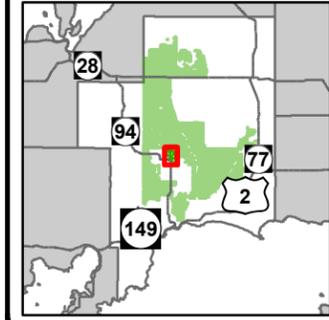
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

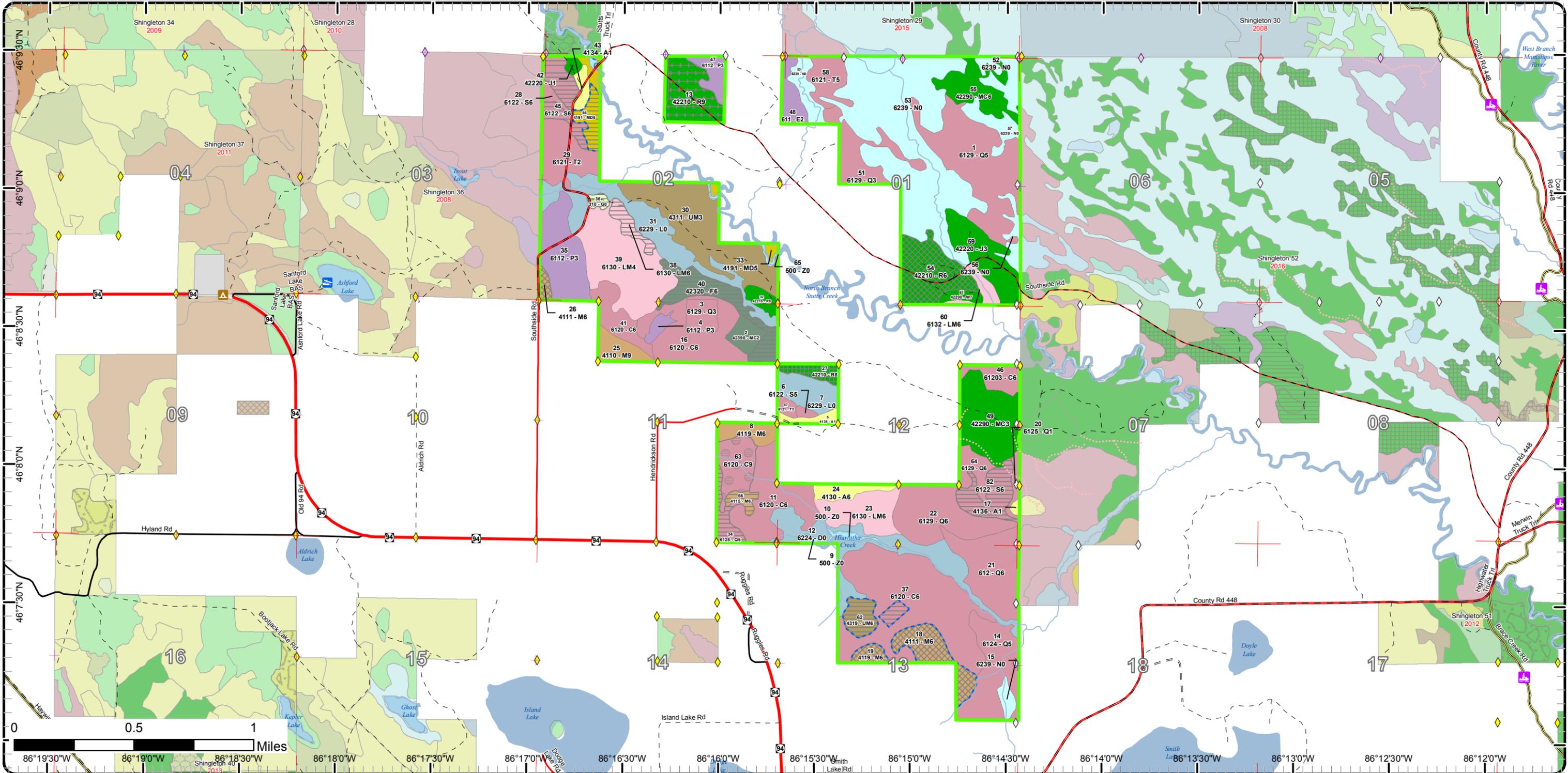
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 35
 T44N, R16W, Sec: 1, 2, 11-13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2017
 Acres: 1628 GIS Calculated
 Examiner: Adam Petrelus
 Map Revised: 8/25/2015
 Map Phase: Review

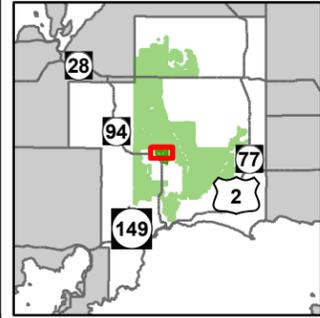


- | | | | |
|--|--|---|--|
| <ul style="list-style-type: none"> ✚ Remonumented Section Corners ◆ Survey Grade GPS Corners ◇ Field Grade GPS Corners — Miris Corners — Highway — County Paved Roads — Paved Roads — County Gravel Roads — = Gravel Roads — - - Poor Dirt Roads — County Poor Dirt Roads ⋯ Closed Roads | <ul style="list-style-type: none"> 🚤 Boating Access Site 🏕 Campground 🚙 Snowmobile Trails — Rivers — Lakes ⋯ Treatments with Site Conditions ▭ Patch/Strip Cut (Femelschlag) ▨ Selection (Group, Single Tree) ▭ Clearcut (w/Reserves) ▨ Harvest, Overstory Removal ▨ Seed Tree (w/Reserves) | <p>Forest Covertypes</p> <ul style="list-style-type: none"> 411 - Northern Hardwood 413 - Aspen 419 - Mixed Upland Deciduous 422 - Natural Pines 423 - Other Upland Conifers 430 - Upland Mixed Fores 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest <p>Non-Forest Covertypes</p> <ul style="list-style-type: none"> 310 - Herbaceous Openland | <ul style="list-style-type: none"> 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland |
|--|--|---|--|

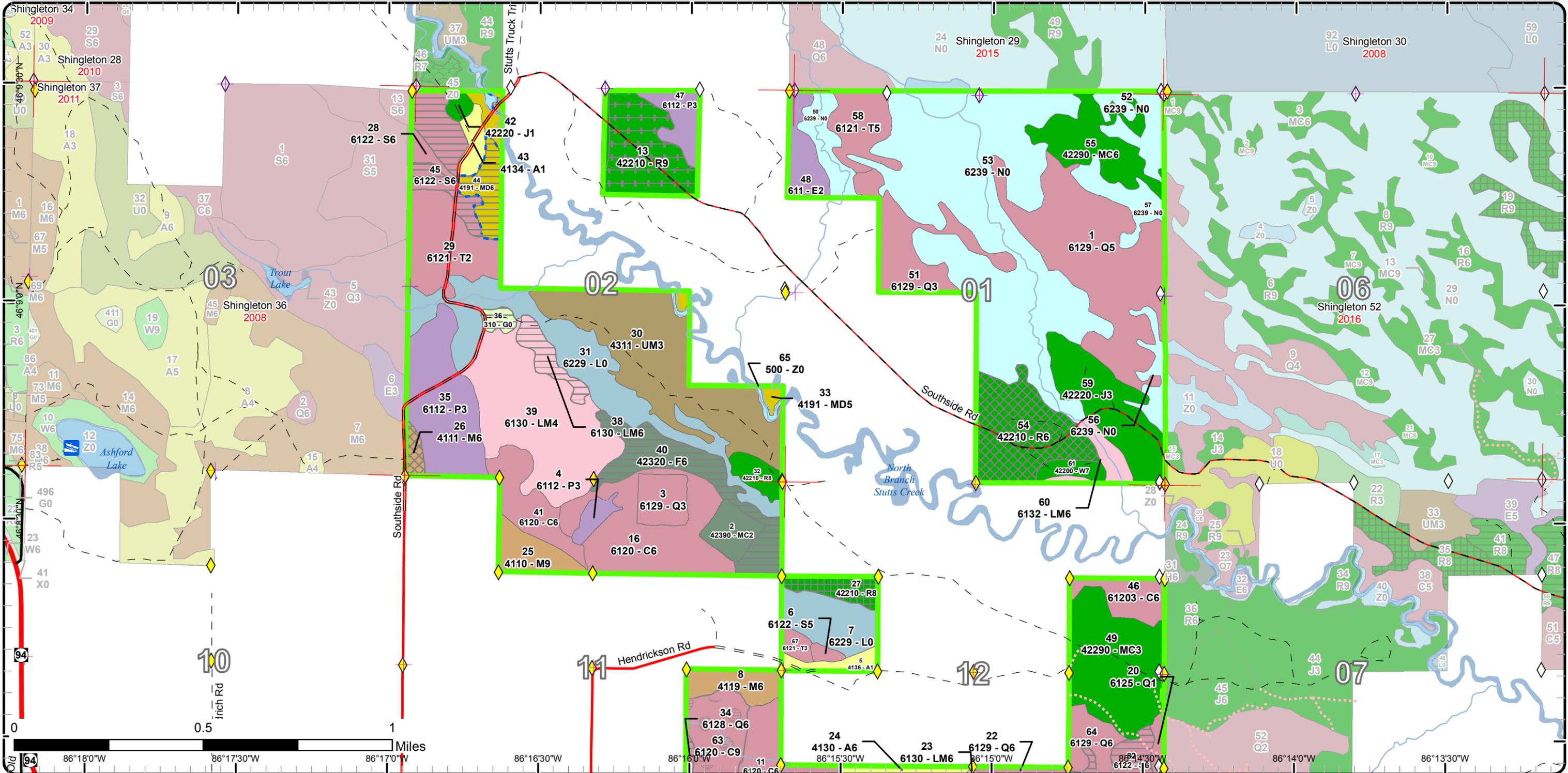


Cover Type & Treatments

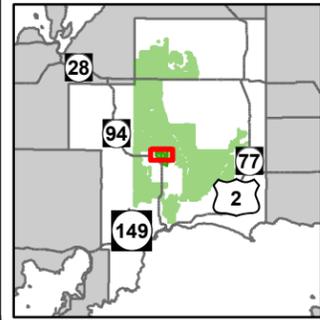
Compartment: 35
 T44N, R16W, Sec: 1, 2, 11-13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2017
 Acres: 1628 GIS Calculated
 Examiner: Adam Petrelus
 Map Revised: 8/25/2015
 Map Phase: Review



- ✦ Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- ⋯ Closed Roads
- 🚤 Boating Access Site
- Rivers
- Lakes
- ⋯ Treatments with Site Conditions
- ▭ Patch/Strip Cut (Femelschlag)
- ▨ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▨ Harvest, Overstory Removal
- ▨ Seed Tree (w/Reserves)
- Forest Covertypes
 - 411 - Northern Hardwood
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 430 - Upland Mixed Fores
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Covertypes
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

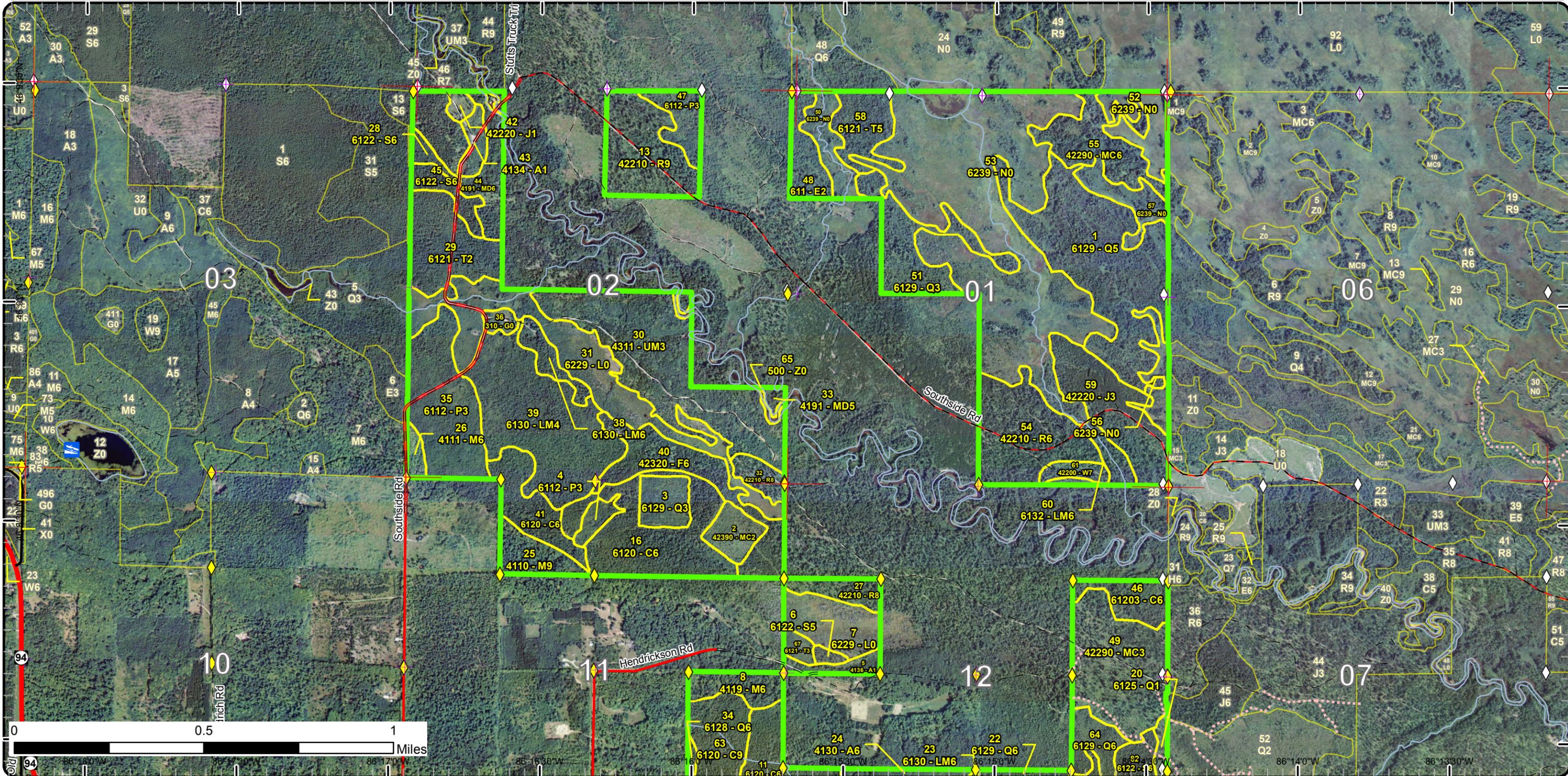


Stand Boundary Map



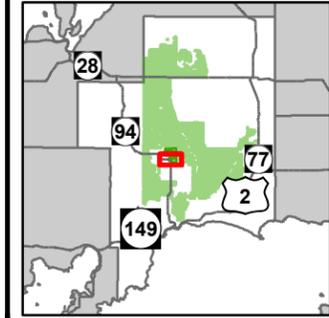
Compartment: 35
 T44N, R16W, Sec: 1, 2, 11-13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2017
 Acres: 1628 GIS Calculated
 Examiner: Adam Petrelus
 Map Revised: 8/25/2015
 Map Phase: Review

- + Remonumented Section Corners
 Boating Access Site
- ◆ Survey Grade GPS Corners
 Rivers
- ◇ Field Grade GPS Corners
 Stand Boundaries
- Miris Corners
 Forest Cotype
- Highway
 411 - Northern Hardwood
- County Paved Roads
 413 - Aspen
- Paved Roads
 419 - Mixed Upland Deciduous
- County Gravel Roads
 422 - Natural Pines
- Gravel Roads
 423 - Other Upland Conifers
- - Poor Dirt Roads
 430 - Upland Mixed Fores
- - County Poor Dirt Roads
 611 - Lowland Deciduous Forest
- - - - Closed Roads
 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Cotype
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

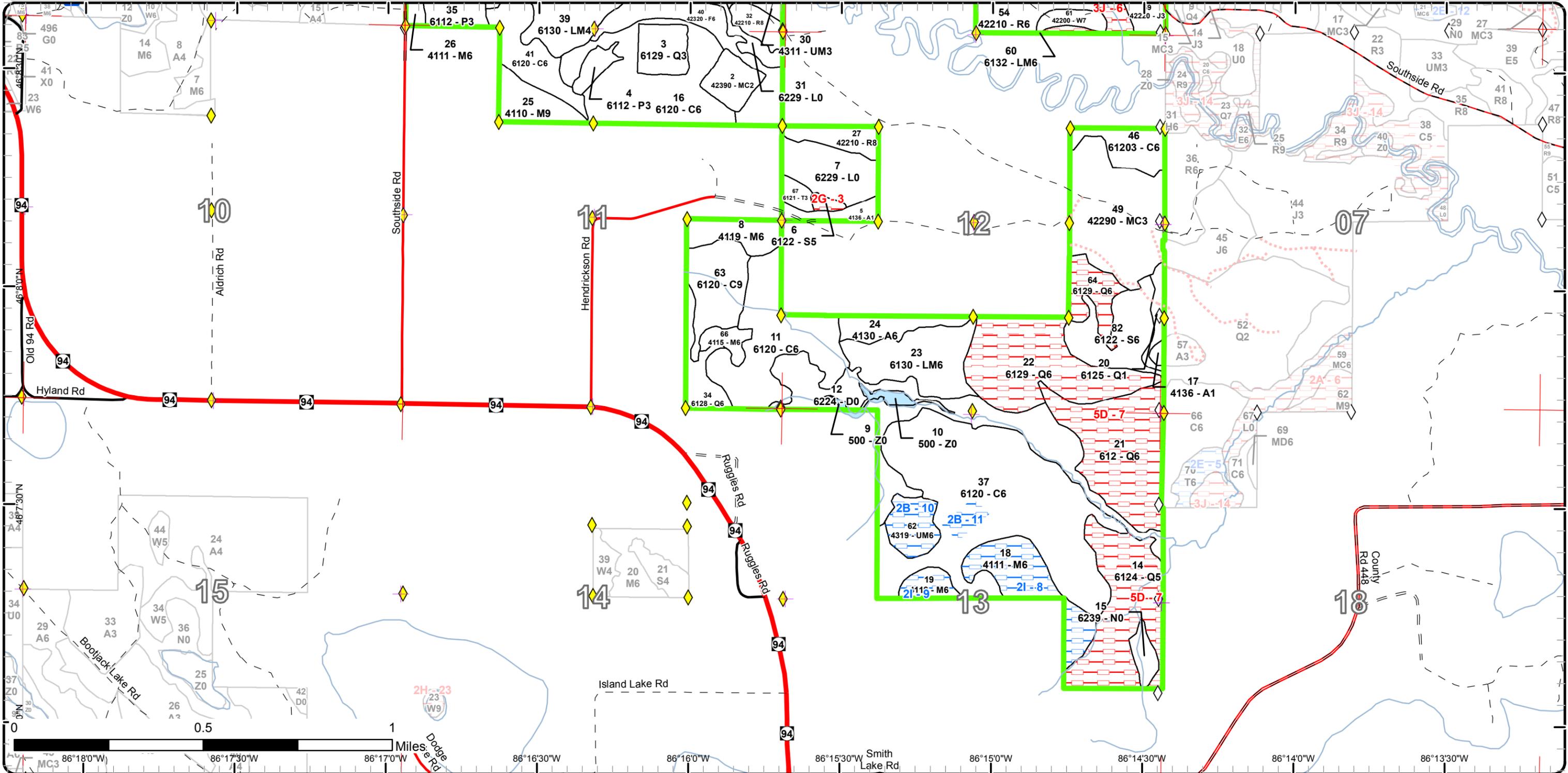


Special Conservation Areas & Site Conditions Map

Compartment: 35
 T44N, R16W, Sec: 1, 2, 11-13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2017
 Acres: 1628 GIS Calculated
 Examiner: Adam Petrelus
 Map Revised: 8/25/2015
 Map Phase: Review



- ✦ Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- ⋯ Closed Roads
- 🚤 Boating Access Site
- Rivers
- ▭ Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 2B: Unknown if access through adjacent landowner(s) is possible
- 2I: Survey needed
- Unavailable Factors
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes



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	12	1	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Cedar	0	0	0	0	0	0	0	65	46	13	0	139	0	0	0	0	0	0	263
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Jack Pine	0	3	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Lowland Aspen/Balsam Poplar	0	0	16	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Lowland Conifers	0	0	44	0	0	80	0	10	0	155	0	0	0	0	0	0	0	0	289
Lowland Deciduous	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	0	0	0	0	30	0	0	74	8	0	0	0	0	0	0	0	0	0	112
Lowland Shrub	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	5	43	0	0	0	0	0	0	0	0	48
Marsh	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	215
Mixed Upland Deciduous	0	0	0	0	0	0	3	0	15	0	0	0	0	0	0	0	0	0	18
Natural Mixed Pines	0	0	48	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	75
Northern Hardwood	0	0	0	0	0	0	0	0	0	59	5	0	0	0	0	0	0	0	64
Red Pine	0	0	0	0	0	0	0	0	16	33	0	0	0	0	0	0	0	40	89
Tamarack	0	4	0	30	0	0	0	0	17	0	0	0	0	0	0	0	0	0	51
Treed Bog	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Upland Conifers	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Upland Mixed Forest	0	0	0	73	0	0	0	0	0	12	0	0	0	0	0	0	0	0	85
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	31
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
White Pine	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Total	354	19	132	179	40	80	3	149	107	373	10	139	0	0	0	0	0	40	1625



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 35
Total Compartment Acres: 1,628

Commercial Harvest - 208
Harvests with Site Condition - 59
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
Cedar	4	0	22	0	0	0	0	0	0	26
Herbaceous Openland	3	0	0	0	0	0	0	0	0	3
Lowland Conifers	10	0	0	0	0	0	0	0	0	10
Lowland Mixed Forest	8	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	43	0	0	0	0	0	0	0	0	43
Mixed Upland Deciduous	12	0	0	0	0	0	0	0	0	12
Northern Hardwood	5	35	0	0	0	0	0	0	0	40
Red Pine	0	40	0	9	0	0	32	0	0	81
Upland Mixed Forest	12	0	0	0	0	0	0	0	0	12
Upland Spruce/Fir	31	0	0	0	0	0	0	0	0	31
Total	129	75	22	9	0	0	32	0	0	266

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	266	0	0	0	0	0	0	0	0	266
Next Step	0	0	3	0	0	0	263	0	0	266
Total	266	0	3	0	0	0	263	0	0	533



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
13	41035013-Cut	31.6	42210 - Natural Red Pine	Sawtimber Well	81	51-80	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Remove overstory. Protect all pine regeneration with timbersale spec and restrict harvest to bare ground conditions. May need to VBAR cruise.

Specs: Leave a few red pine and white pine for retention. Stand may need survey work. Leave all hemlock and oak if present. western boundary was excluded because of ERA.

Next Step
Treatments:

Acceptable jack pine, red pine, white pine, black spruce.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

18	41035018-Cut	24.6	4111 - S.Maple, Hard Mast Association	Poletimber Well	85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Proposal
----	--------------	------	---	--------------------	----	--------	---------	--------------------------	----------------------------	-----------	----------

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

Prescription Mark to 80 basal area. Overall stand basal area will be a lot lower due to the large regeneration holes created during previous harvest. Designate

Specs: all aspen and fir. Do not cut oak or hemlock.

Next Step
Treatments:

Acceptable Mixed deciduous and coniferous trees.

Regen:

Other Stand will need survey work. It can be prepped by using the Adam's property, however no landowner has given us permission for logging purposes. Old next step comments:

Proposed Start Date: 10/1 /2016

19	41035019-Cut	6.4	4119 - Mixed Northern Hardwoods	Poletimber Well	85	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Proposal
----	--------------	-----	------------------------------------	--------------------	----	--------	---------	--------------------------	----------------------------	-----------	----------

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

Prescription Selection harvest to 80 basal area. Overall stand basal area will be a lot lower due to large regeneration gaps created during previous harvest.

Specs: Designate all aspen and fir for harvest. survey work will be needed. Do not cut oak or hemlock.

Next Step
Treatments:

Acceptable Mixed deciduous and coniferous trees.

Regen:

Other Survey work will be needed. Sale can be prepped by using Adam's property for access, however no landowner has given us permission to use their property for logging purposes. Old next step comments:

Proposed Start Date: 10/1 /2016

26	41035026-Cut	3.8	4111 - S.Maple, Hard Mast Association	Poletimber Well	81	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Proposal
----	--------------	-----	---	--------------------	----	-------------	---------	--------------------------	----------------------------	-----------------	----------

Habitat Cut: No**Site Condition:**

Prescription Mark to complete marker standards. Beech can be marked in orange to cut. Majority of the large beech with bear claw marks should be left. Do

Specs: not cut oak or hemlock.

Next Step
Treatments:

Acceptable mixed coniferous and deciduous trees.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /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
27	41035027-Cut	9.1	42210 - Natural Red Pine	Sawtimber Medium	71	51-80	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Two-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Leave about 30 sq. ft. red pine and white pine as seed trees. VBAR cruising may be needed. Harvest on bare ground to scarify stand and protect
Specs: existing red pine regeneration. Survey work will be needed.

Next Step
Treatments:

Acceptable red pine, white pine, jack pine, black spruce
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

34	41035034-Cut	10.3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	67	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Proposal
----	--------------	------	--	--------------------	----	--------	---------	----------------------------	---------------------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and oak if present. Survey work will be needed. Access will need to be through private land. do not cut cedar unless
Specs: needed for operability.

Next Step
Treatments:

Acceptable mixed coniferous and deciduous trees
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

36	41035036-Cut	3.2	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	Harvest	Clearcut	310 - Herbaceous Openland		Proposal
----	--------------	-----	------------------------------	------------	---	-----------------	---------	----------	---------------------------------	--	----------

Habitat Cut: No**Site Condition:**

Prescription Harvest all trees down to 2 inches. No retention because it will be maintained as wildlife opening.
Specs:

Next Step
Treatments:

Acceptable Regeneration is not wanted. Maintenance as grass opening. Planting per WLD specs.
Regen:

Other WLD would like to plant opening with rye, clover, red oak, and / or crabapple trees. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

37	41035037-Cut	4.2	6120 - Lowland Cedar	Poletimber Well	100	81-110	Harvest	Clearcut	6120 - Lowland Cedar	Even-Aged	Proposal
----	--------------	-----	-------------------------	--------------------	-----	--------	---------	----------	-------------------------	-----------	----------

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

Prescription Cut all trees. Retention will be in parent stand. Treatment is small and close enough to the edge for cedar to drop seed.
Specs:

Next Step
Treatments:

Acceptable Cedar is desired and has regenerated in the past within this compartment using similar style of harvests, but any mixed deciduous / coniferous
Regen: trees are acceptable.

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /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
38	41035038-Cut	8.2	6130 - Fir, Aspen, Maple	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all trees except hemlock and oak. Retention can be left in patches along the northern boundary since it borders alder.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Mixed coniferous and deciduous trees.											
<u>Regen:</u>											
<u>Other</u> WLD - Retention patches left along the northern boundary should be placed to leave pockets of cedar if present. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
40	41035040-Cut	31.3	42320 - Upland Spruce	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all trees except hemlock and oak. Survey work may be needed. Retention can be left in patches to the north along the alder cover type.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Mixed deciduous and coniferous trees											
<u>Regen:</u>											
<u>Other</u> WLD - Leave patches of cedar along the boundary of stand where possible as retention. Main component of retention pockets should be cedar.											
<u>Comment:</u> Old next step comments:											
<u>Proposed Start Date:</u> 10/1 /2016											
44	41035044-Cut	11.8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
Habitat Cut: No		Site Condition: BMPs									
<u>Prescription</u> Cut all trees except hemlock and oak. Buffer Stutts creek 100 feet. This will be the retention area. Should set up stand on bare ground since											
<u>Specs:</u> there may be more creeks present. Buffer accordingly if found. Survey work may be needed.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> mixed deciduous and conifer trees											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											
45	41035045-Cut	20.9	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all trees except hemlock and oak if present. May be an unmapped creek within stand so it should be set up on bare ground and buffered											
<u>Specs:</u> accordingly. This area can be the retention. Survey work may be needed.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> mixed coniferous and deciduous trees											
<u>Regen:</u>											
<u>Other</u> WLD - Main component of retention should be cedar if possible. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /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
54	41035054-Cut	40.1	42210 - Natural Red Pine	Poletimber Well	81	81-110	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Uneven- Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thin poles, remove large/mature/high quality logs, create large gaps. Goal is to keep this stand in un-even aged management. 3 distinct age classes of red pine are present now. Harvest on bare ground conditions to promote scarification and protect all existing pine regeneration.

Next Step
Treatments:

Acceptable red pine, white pine, jack pine
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

62	41035062-Cut	11.8	4319 - Mixed Upland Forest	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
----	--------------	------	-------------------------------	--------------------	----	--------	---------	----------------------------	---	-----------	----------

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

Prescription Cut all trees except hemlock and oak. May need to VBAR cruise. Retention should be located in an area heavy to cedar.
Specs:

Next Step
Treatments:

Acceptable Mixed deciduous and coniferous trees.
Regen:

Other Stand can be prepped by using the Adam's property for access, however no landowner has given us permission for logging access. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

63	41035063-Cut	21.6	6120 - Lowland Cedar	Sawtimber Well	100	111- 140	Harvest	Strip/Patch/Gap Cut (Femelschlag)	6120 - Lowland Cedar	Even-Aged	Proposal
----	--------------	------	-------------------------	-------------------	-----	-------------	---------	---	-------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Create a 5 to 10 acre patch surrounded on all sides by cedar. Location will depend on where the unmapped creek flows. Cut all trees within patch except hemlock and oak if present. Access will need to be through private ownership. Survey work may be needed.
Specs:

Next Step
Treatments:

Acceptable Cedar regeneration is desired and has been obtained in similar harvests north of this stand. However, mixed coniferous and deciduous trees are acceptable also.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

66	41035066-Cut	5.1	4115 - Y.Birch, Hemlock NH	Poletimber Well	91	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal
----	--------------	-----	-------------------------------	--------------------	----	--------	---------	----------------------------	-------------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Cut all trees except hemlock and oak. This will be the only retention due to stands small size. Access will need to be through private ownership.
Specs:

Next Step
Treatments:

Acceptable mixed deciduous and coniferous trees
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /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
82	41035082-Cut	22.5	6122 - Black Spruce	Poletimber Well	83	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Cut all trees except hemlock and oak if present. Leave a few pine on the ridges for seed. Exclude some spruce along the edges for retention.
Specs:

Next Step
Treatments:

Acceptable mixed coniferous and deciduous trees
Regen:

Other Stand has a late start date to match adjacent compartment 52. There should be a few stands scheduled in that compartment and it would be
Comment: best to combine these together for a sale. It would not hurt to prolong this harvest since it is stunted spruce. Old next step comments:

Proposed Start Date: 10/1 /2025

**Total Treatment
Acreage Proposed: 266.5**

Report 5 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 35
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		2B	2E	2I	2G	2H	3J	5D	
24	24	0	0	Aspen							0	
263	259	4	0	Cedar	4							
3	3	0	0	Herbaceous Openland								
37	37	0	0	Jack Pine							0	
58	58	0	0	Lowland Aspen/Balsam Poplar								
289	134	0	154	Lowland Conifers								154
13	13	0	0	Lowland Deciduous								
112	104	0	8	Lowland Mixed Forest							8	
76	76	0	0	Lowland Shrub								
49	47	0	2	Lowland Spruce/Fir				2				
215	215	0	0	Marsh								
19	11	0	7	Mixed Upland Deciduous							7	
75	48	27	0	Natural Mixed Pines		27						
64	33	31	0	Northern Hardwood			31					
89	89	0	0	Red Pine								
51	34	0	17	Tamarack					17			
54	54	0	0	Treed Bog								
10	10	0	0	Upland Conifers								
85	68	12	6	Upland Mixed Forest	12						6	
31	31	0	0	Upland Spruce/Fir								
6	4	0	3	Water							3	
5	5	0	0	White Pine								
1,628	1,357	74	197	Total Forested Acres	16	27	31	2	17	23	154	
	83%	5%	12%	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	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 35
Year of Entry: 2017

2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: attempt was made by logger to cut this portion of the stand but he could not do it because it was too wet							
4	Available	2E: Road needed	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: difficult access for not much timber. just not worth going after.							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: hemlock, cedar and river buffer							
7	Unavailable	5D: Unproductive Forest Land	155	Unspecified	Unspecified	Unspecified	Unspecified
Comments: wet, stunted trees.							

Report 5 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 35
Year of Entry: 2017

8	Available	2I: Survey needed	25	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2I: Survey needed	6	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3G: Other Influence zones - See comments	0	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
C35 SCA removal	Potential Old Growth		SCA Removal	53
Comments				
Remove SCA from potential old growth.				

**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Shingleton Mgt. Unit		Report 8 – Forested Stands			Compartment: 35 Year of Entry: 2017	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	79.7	40	Unspecified		
2	42390 - Mixed Non- Pine Upland Conifers	Sapling Medium	9.9	16	Immature	This stand is mostly upland, but the low ground has cedar regenerating.	
3	6129 - Mixed Coniferous Lowland Forest	Sapling Well	11.2	16	Immature	This block has the best cedar regeneration of the 3 that were cut 15 years ago.	
4	6112 - Lowland Aspen	Sapling Well	4.8	16	Immature	Stand was originally a cedar harvest. However it had aspen present and it is now overtopping everything else. There is cedar regeneration present though underneath the aspen.	
5	4136 - Aspen, Mixed Conifer	Sapling Poor	6.1	5	1-50	cut with Nutkins Nightmare Sale. Residual was 27 hemlock. SW corner was left because it was inoperable.	
6	6122 - Black Spruce	Poletimber Medium	2.0	71	51-80	part of an optional unit that was partially cut with the Nutkins Nightmare sale last year of entry. This portion was not harvested because it was too wet.	
8	4119 - Mixed Northern Hardwoods	Poletimber Well	11.8	85	51-80	<p>Stand sold as part of the Matchinski Sale but never cut and turned back. 41-033-97-01. Originally had a treatment of final harvest. Stand has the potential to grow higher quality hardwoods, and should be marked and managed as northern hardwoods. Do not cut all aspen and paper birch. Some need to be left to provide diversity, and to maintain basal area within the stand. Aspen regeneration is acceptable within regeneration holes. Do not cut hemlock and oak. Permission was granted from Larry Matchinski to access this stand through his property. Habitat Type AFPO+</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 6. Actual stand acres = 10 Residual Basal Area; Red Pine = 1sq ft, hemlock 4 sq ft, sugar maple = 29 sq ft, yellow birch = 2 sq ft, red maple = 8 sq ft, basswood = 10 sq ft, cherry = 6 sq ft, fir = 3 sq ft, white spruce = 2 sq ft, paper birch = 4 sq ft.</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle.</p> <p>2014: stand passed regen walkthrough. Gaps had a mixture of aspen and hardwood species.</p>	
11	6120 - Lowland Cedar	Poletimber Well	45.5	68	51-80	stand is younger, wetter, and has poorer stocking than cedar to the west	
13	42210 - Natural Red Pine	Sawtimber Well	33.2	81	51-80	Scarified in 1999. 212 red pine, 322 aspen, 264 paper birch, 459 white pine, 582 jack pine.	
14	6124 - Lowland Spruce- Fir	Poletimber Medium	44.6	85	51-80		
16	6120 - Lowland Cedar	Poletimber Well	46.4	76	111-140		

S
t
a
n
d

Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 35
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4136 - Aspen, Mixed Conifer	Sapling Poor	1.3	15	Immature	
18	4111 - S.Maple, Hard Mast Association	Poletimber Well	24.6	85	81-110	
19	4119 - Mixed Northern Hardwoods	Poletimber Well	6.4	85	81-110	
20	6125 - Lowland Black Spruce, Jack Pine	Sapling Poor	5.2	15	1-50	
21	612 - Lowland Coniferous Forest	Poletimber Well	47.9	83	1-50	Multiple spruce / tamarack / cedar stands are located in this area which are sub- merchantable or barely merchantable. The stand with the largest diameter (stand 82) is scheduled. Some areas within this stand that have better diameter grown could possibly be separated out next year of entry.
22	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	49.4	83	1-50	Multiple spruce / tamarack / cedar stands are located in this area which are sub- merchantable or barely merchantable. The stand with the largest diameter (stand 82) is scheduled. Some areas within this stand that have better diameter grown could possibly be separated out next year of entry.
23	6130 - Fir, Aspen, Maple	Poletimber Well	29.7	35	1-50	
24	4130 - Aspen	Poletimber Well	10.1	35	1-50	
25	4110 - Sugar Maple Association	Sawtimber Well	12.6	81	81-110	Regeneration from harvest last year of entry is very poor. pretty much only saw beech and raspberry in most areas. I did notice that there were not many regeneration gaps created. Stand is not ready to harvest again, but next year of entry we will want to make sure adequate regeneration gaps are created.
26	4111 - S.Maple, Hard Mast Association	Poletimber Well	3.8	81	111-140	
27	42210 - Natural Red Pine	Sawtimber Medium	9.1	71	51-80	Thinned in 1998.
28	6122 - Black Spruce	Poletimber Well	3.4	71	1-50	wet drainage area with stunted trees
29	6121 - Tamarack	Sapling Medium	30.0	25	1-50	mostly saplings, some sparse scattered mature tamarack are present
30	4311 - Pine, Aspen Mix	Sapling Well	73.3	25	1-50	
32	42210 - Natural Red Pine	Sawtimber Medium	7.0	70	1-50	Cut in 2010, Nutkins Nightmare sale, 10-08. Residuals were 35 feet RP and 3 ft WP.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	3.1	51	Immature	
34	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.3	67	81-110	
35	6112 - Lowland Aspen	Sapling Well	41.7	25	1-50	
37	6120 - Lowland Cedar	Poletimber Well	117.8	100	81-110	
38	6130 - Fir, Aspen, Maple	Poletimber Well	8.2	61	81-110	aspen is dying
39	6130 - Fir, Aspen, Maple	Poletimber Poor	66.2	61	Immature	Stand was flooded by beaver activity in past. Resulting stand is a sparse canopy in patches over thick alder
40	42320 - Upland Spruce	Poletimber Well	31.3	80	81-110	
41	6120 - Lowland Cedar	Poletimber Well	19.2	66	81-110	Stand looks slightly different on the photo compared to the adjacent cedar stand. It has a component of aspen and birch which is dying and sparse. not enough aspen/birch volume present to harvest.
42	42220 - Natural Jack Pine	Sapling Poor	2.9	5	Immature	Stand was scarified in 2010 and passed the regen counts in 2013.
43	4134 - Aspen, Spruce/Fir	Sapling Poor	6.1	5	Immature	Cut in spring 2010, Nutkins Nightmare sale.
44	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	15.5	71	81-110	
45	6122 - Black Spruce	Poletimber Well	20.9	81	81-110	
46	61203 - Cedar (OI)	Poletimber Well	12.6	82	51-80	OPIE - FMD: OI Stand Year Origin was 1933
47	6112 - Lowland Aspen	Sapling Well	11.0	16	Immature	
48	611 - Lowland Deciduous Forest	Sapling Medium	12.9	15	1-50	
49	42290 - Natural Mixed Pine	Sapling Well	48.2	17	1-50	Stand is covered under FTP-861, stand may have been scarified but there is no record. Stand was counted in 2002 , 680 jack pine per acre, 364 red pine per acre, 624 white pine and aspen per acre, stand is fully regenerated and the FTP was closed with a blanket letter. about 10 ft of red pine / white pine logs are present

S
t
a
n
d

Shingleton Mgt. Unit

Report 8 – Forested Stands

Compartment: 35
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	6129 - Mixed Coniferous Lowland Forest	Sapling Well	27.8	15	Immature	
54	42210 - Natural Red Pine	Poletimber Well	40.1	81	81-110	3 distinct age classes of red pine present.
55	42290 - Natural Mixed Pine	Poletimber Well	27.0	85	81-110	
58	6121 - Tamarack	Poletimber Medium	17.3	78	1-50	
59	42220 - Natural Jack Pine	Sapling Well	34.4	26	Immature	Scarified in 1989. scattered red pine logs in the south
60	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	8.0	71	81-110	more hemlock and cedar in the southern end and maple to the north.
61	42200 - Natural White Pine	Sawtimber Poor	5.2	91	1-50	Cut in 2010, Nutkins Nightmare sale. Residuals were 20 white pine, 4 red pine, 14 hemlock. Check stand next year for possible overstory removal.
62	4319 - Mixed Upland Forest	Poletimber Well	11.8	85	81-110	
63	6120 - Lowland Cedar	Sawtimber Well	21.6	100	111-140	
64	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	12.5	83	1-50	low volume, poor site.
66	4115 - Y.Birch, Hemlock NH	Poletimber Well	5.1	91	81-110	
67	6121 - Tamarack	Sapling Well	3.6	8	Immature	Stand was cut in 1998, but since has been flooded by beavers. Beavers are now gone and stand is starting to grow back to tamarack.
82	6122 - Black Spruce	Poletimber Well	22.5	83	51-80	Black spruce are 2 to 4 sticks tall.



Stand	Cover Type	Acres	Managed Site	General Comments:
7	6229 - Mixed lowland shrub	20.1	No	<p>OPIC - FMD: Scattered aspen are found within stand and are falling apart. Only a few red pine were noticed in the stand, and they were located along the road. Leave all red pine for aesthetics. Do not cut hemlock and oak. Do not cross seasonal drainage located within stand if it doesn't need to be crossed, and keep all slash out of it. Use minimal buffer on Stutts River of 100 feet. The eastern sale boundary will most likely be the old oxbows of the river. Buffer width of 50 feet should be used on oxbows. Stand will likely regenerate to aspen, but any mixture of the current species located on the site will be acceptable. Habitat Type ParVAa.</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 2 Actual stand acres = 1 Residual Basal Area; Red Pine = 2' Stand is scheduled under FTP 41-1378 for Aspen TSI</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle. (3/22/11 AP) FTP W41-1378 has been cancelled.</p>
9	500 - Water	0.5	No	
10	500 - Water	3.1	No	<p>OPIC - FMD: Stand sold as part of the Matchinski Sale but never cut and turned back. 41-033-97-01. Originally had a treatment of final harvest last year of entry. Stand has the potential to grow higher quality hardwoods, and should be marked and managed as northern hardwoods. Do not cut all aspen and paper birch. Some need to be left to provide diversity, and to maintain basal area within the stand. Aspen regeneration is acceptable within regeneration holes. Do not cut hemlock and oak. Permission was granted from Larry Matchinski to access this stand through his property. Habitat Type AFPO+</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 6. Actual stand acres = 10 Residual Basal Area; Red Pine = 1sq ft, hemlock 4 sq ft, sugar maple = 29 sq ft, yellow birch = 2 sq ft, red maple = 8 sq ft, basswood = 10 sq ft, cherry = 6 sq ft, fir = 3 sq ft, white spruce = 2 sq ft, paper birch = 4 sq ft.</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle.</p>
12	6224 - Treed Bog	54.0	No	<p>OPIC - FMD: Stand sold as part of the Matchinski Sale but never cut and turned back. 41-033-97-01. Originally had a treatment of final harvest last year of entry. Stand has the potential to grow higher quality hardwoods, and should be marked and managed as northern hardwoods. Do not cut all aspen and paper birch. Some need to be left to provide diversity, and to maintain basal area within the stand. Aspen regeneration is acceptable within regeneration holes. Do not cut hemlock and oak. Permission was granted from Larry Matchinski to access this stand through his property. Habitat Type AFPO+</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 6. Actual stand acres = 10 Residual Basal Area; Red Pine = 1sq ft, hemlock 4 sq ft, sugar maple = 29 sq ft, yellow birch = 2 sq ft, red maple = 8 sq ft, basswood = 10 sq ft, cherry = 6 sq ft, fir = 3 sq ft, white spruce = 2 sq ft, paper birch = 4 sq ft.</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle.</p>



Stand	Cover Type	Acres	Managed Site	General Comments:
15	6239 - Mixed Emergent Wetland	5.0	No	<p>OPIC - FMD: Stand sold as part of the Matchinski Sale but never cut and turned back. 41-033-97-01. Originally had a treatment of final harvest last year of entry. Stand has the potential to grow higher quality hardwoods, and should be marked and managed as northern hardwoods. Do not cut all aspen and paper birch. Some need to be left to provide diversity, and to maintain basal area within the stand. Aspen regeneration is acceptable within regeneration holes. Do not cut hemlock and oak. Permission was granted from Larry Matchinski to access this stand through his property. Habitat Type AFPO+</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 6. Actual stand acres = 10 Residual Basal Area; Red Pine = 1sq ft, hemlock 4 sq ft, sugar maple = 29 sq ft, yellow birch = 2 sq ft, red maple = 8 sq ft, basswood = 10 sq ft, cherry = 6 sq ft, fir = 3 sq ft, white spruce = 2 sq ft, paper birch = 4 sq ft.</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle.</p>
31	6229 - Mixed lowland shrub	56.0	No	<p>OPIC - FMD: Scattered aspen are found within stand and are falling apart. Only a few red pine were noticed in the stand, and they were located along the road. Leave all red pine for aesthetics. Do not cut hemlock and oak. Do not cross seasonal drainage located within stand if it doesn't need to be crossed, and keep all slash out of it. Use minimal buffer on Stutts River of 100 feet. The eastern sale boundary will most likely be the old oxbows of the river. Buffer width of 50 feet should be used on oxbows. Stand will likely regenerate to aspen, but any mixture of the current species located on the site will be acceptable. Habitat Type ParVAa.</p> <p>[8/5/08 BB Stand is now on proposal 41-010-08, "Nutkins Nightmare". Unit 2 Actual stand acres = 1 Residual Basal Area; Red Pine = 2' Stand is scheduled under FTP 41-1378 for Aspen TSI</p> <p>[6/21/10 bb] Sale is now closed, cut spring 2010, TCR date is 6/17/10. Stand will go on regen timeclock to count at next OI cycle. (3/22/11 AP) FTP W41-1378 has been cancelled.</p>
36	310 - Herbaceous Openland	3.2	No	
50	6239 - Mixed Emergent Wetland	12.3	No	OPIC - FMD: OI Stand Year Origin was
52	6239 - Mixed Emergent Wetland	14.8	No	OPIC - FMD: OI Stand Year Origin was
53	6239 - Mixed Emergent Wetland	161.8	No	OPIC - FMD: OI Stand Year Origin was
56	6239 - Mixed Emergent Wetland	8.6	No	OPIC - FMD: OI Stand Year Origin was
57	6239 - Mixed Emergent Wetland	12.1	No	OPIC - FMD: OI Stand Year Origin was
65	500 - Water	2.6	No	