



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42101

Entry Year 2018

Acreage: 1,637

County Luce

Management Area: 8 Mile Corner

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**Revision Date:** 2016-08-23

**Stand Examiner:** Kristen Matson

**Legal Description:**

T46N R11W Sections 4, 5, 7, 8 & 9

**Identified Planning Goals:**

Timber, wildlife and fisheries are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses by maintaining forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

**Soil and topography:**

The compartment is situated on the edge of an upland sandy outwash of Kalkaska, Paquin-Finch and Wallace Sands which is adjacent to the Tahquamenon River Swamp Complex. This upland area is level to rolling and has good access. East Creek flows through the center of the compartment area from north to south and has very steep side hills in places.

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

There are private holdings in sections 4 and 5. There is state owned land on the north of the compartment, corporate land on the east and west sides and private land along the southeast and southern edges. Most of the private land holdings have hunting camps/cabins and are used primarily for recreational purposes. This entire area has been managed for timber production in the past.

**Unique Natural Features:**

none

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

none known

**Special Management Designations or Considerations:**

none

**Watershed and Fisheries Considerations:**

Fisheries Values: Good

Fisheries Concerns: East Creek located in this compartment is a designated trout stream. With this designation the stream is assigned a high priority stream buffer of 300 feet. Brook Trout populations are present in East Creek and beaver activity needs to be minimized to protect this population.

**Wildlife Habitat Considerations:**

Compartment 101 lies in western Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and in the 8 Mile Corner Management Area and has blackburnian warbler, pileated woodpecker, ruffed grouse and white-tailed deer as featured species. The compartment is dominated by northern hardwood stands but overall diversity of habitat types is fairly decent with a few small aspen and red pine stands, herbaceous openings, upland mixed stands, white pine stands and marshes intermixed. The compartment lies adjacent to the McMillan deer yard. Pre-settlement vegetation patterns appear to be consistent with current vegetation in this region of the subsection.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees where they exist, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats. White-tailed deer, gray wolves, coyote, fox, black bear, fisher, marten, otter and mink are noteworthy wildlife species potentially using this compartment.

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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness (>100 feet). The Ordovician Utica Shale subcrops below the glacial drift. No sand/gravel pits are located in the area, but there may be some potential (mostly sand, some gravel). There is no

economic oil and gas production in the UP and there is no known metallic mineral potential in this area.

**Vehicle Access:**

The compartment is located approximately 4 miles north of McMillan on County Road 415, which is maintained all year. County Road 442 (seasonal), Silver Creek Truck Trail and Bailey's Trail all stem off from CR 415, providing further access into the compartment. There are several two-track roads, ranging from poor to good condition, which lead further into the compartment.

**Survey Needs:**

none

**Recreational Facilities and Opportunities:**

The designated Silver Creek ATV trail in the northeast of the compartment, and the snowmobile trail goes through the compartment. There are no other recreational facilities, but plenty of recreational opportunities including: fishing, hunting, wildlife viewing, ORV and snowmobile riding, etc.

**Fire Protection:**

Large fire potential in this compartment is low because of smaller stands of conifer intermixed with hardwoods and moderate response times. Topography in this area may be challenging for heavy equipment operation.

**Additional Compartment Information:**

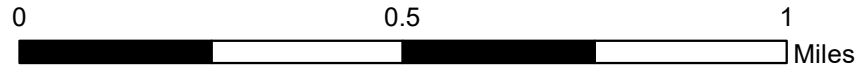
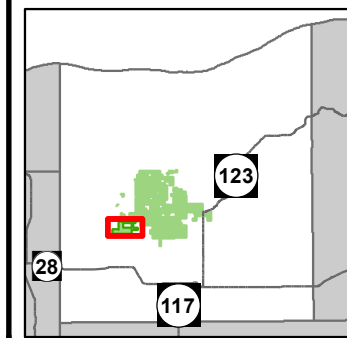
**The following reports from the Inventory are attached:**

- 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**

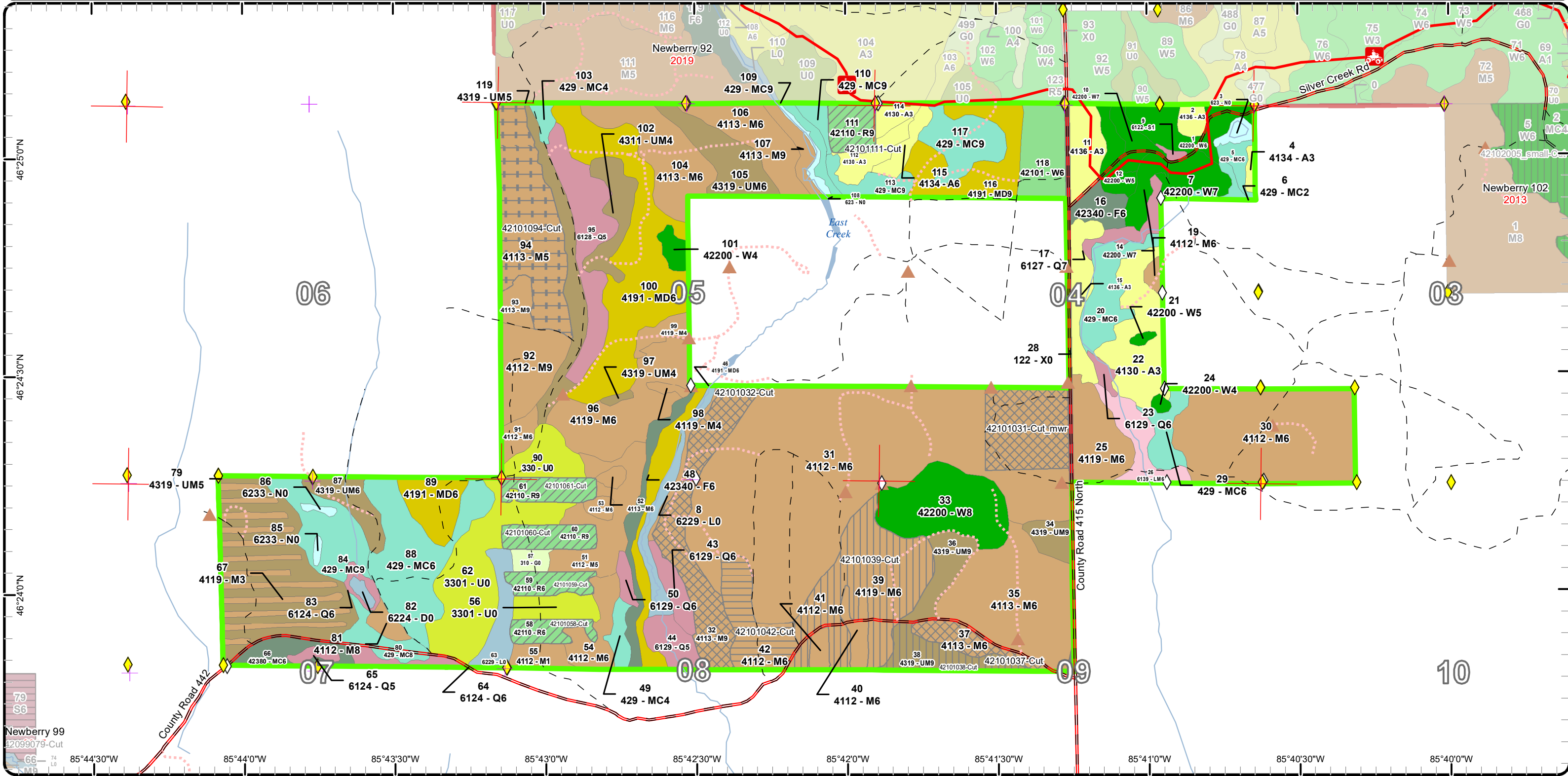
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

# Cover Type & Treatments Map



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- ▲ Berms
- 🛵 ORV Trails
- Designated ATV Trails
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- - - Closed Roads
- Rivers
- ▭ Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



Newberry 99  
42099079-Cut

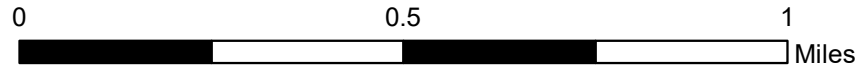
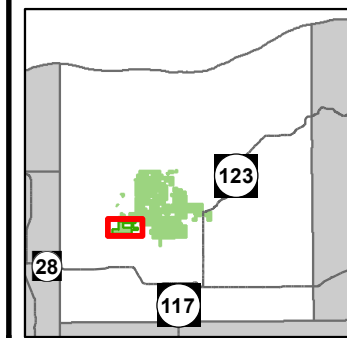




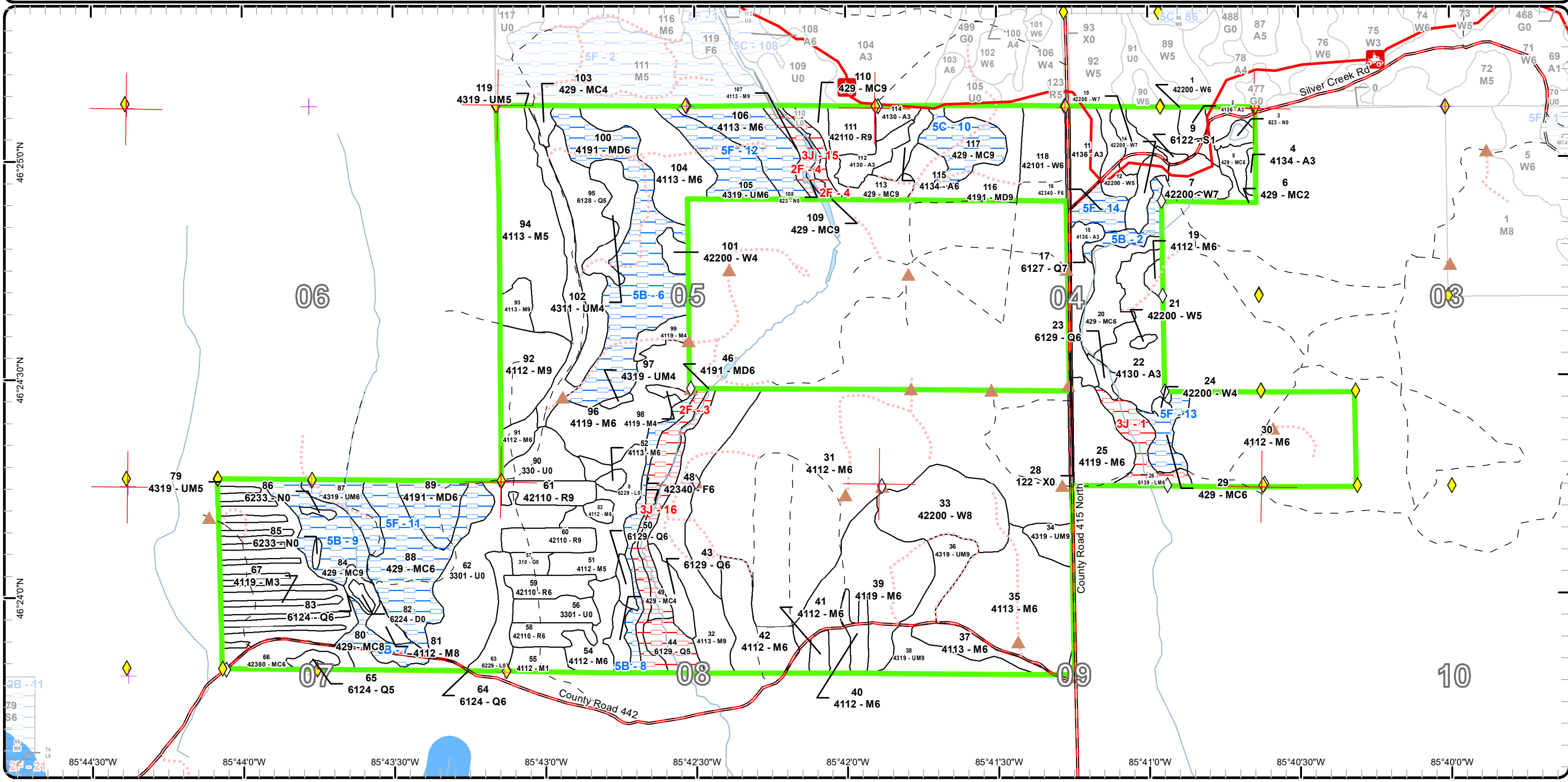




# Special Conservation Areas & Site Conditions Map



- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- ▲ Berms
- ORV Trails
- Designated ATV Trails
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer





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	41	0	31	0	6	0	0	0	0	0	0	0	0	0	0	0	0	78
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Lowland Conifers	0	0	0	0	29	8	0	8	0	0	7	0	0	0	0	0	0	17	69
Lowland Mixed Forest	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	40	0	0	0	80	0	0	0	0	0	0	0	0	119
Northern Hardwood	0	0	0	25	0	10	0	17	6	219	0	0	0	0	0	0	0	496	772
Red Pine	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	47
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	3	0	63	13	0	0	0	42	31	0	0	0	0	0	5	157
Upland Mixed Forest	0	0	0	0	19	11	0	0	0	66	0	0	0	0	0	0	0	47	143
Upland Spruce/Fir	0	0	0	0	0	8	0	12	0	0	0	0	0	0	0	0	0	0	20
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	17	8	19	0	0	0	24	0	0	0	0	0	0	40	108
<b>Total</b>	<b>108</b>	<b>41</b>	<b>0</b>	<b>60</b>	<b>65</b>	<b>154</b>	<b>92</b>	<b>37</b>	<b>6</b>	<b>365</b>	<b>73</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>605</b>	<b>1635</b>



## Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 101

Total Compartment Acres: 1,637

Commercial Harvest - 264  
 Harvests with Site Condition - 0  
 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
Northern Hardwood	21	78	0	0	55	0	48	0	0	202
Red Pine	0	0	0	0	0	47	0	0	0	47
Upland Mixed Forest	0	0	0	0	15	0	0	0	0	15
<b>Total</b>	<b>21</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>47</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>264</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	264	0	0	0	0	0	0	0	0	264
Next Step	0	0	86	0	0	0	217	0	0	304
<b>Total</b>	<b>264</b>	<b>0</b>	<b>86</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>217</b>	<b>0</b>	<b>0</b>	<b>568</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
31	42101031-Cut_mwr	30.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Selection harvest marked to the specifications of the Mike Walter's Research team. This stand will be harvested leaving all tops greater than 8".											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> northern hardwoods											
<u>Regen:</u>											
<u>Other</u> This will be a 30 acre square block somewhere within the stand where the beginning BA is acceptable.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
32	42101032-Cut	38.0	4113 - R.Maple, Conifer	Sawtimber Well	86	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut to apx. 70-90 BA. Leave hemlock and some scattered large white pine. Buffer the creek apx 100-125 feet depending on topography, and											
<u>Specs:</u> avoid steep slopes. Final harvest acreage will be less.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Northern hardwoods with white pine, hemlock, spruce and fir.											
<u>Regen:</u>											
<u>Other</u> Do not encourage aspen within 300 feet of East Creek.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
37	42101037-Cut	10.1	4113 - R.Maple, Conifer	Poletimber Well	86	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Mark to apx. 70-80 BA. Maintain or increase species diversity and size class diversity. Do not mark hemlock.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Underplant											
<u>Treatments:</u>											
<u>Acceptable</u> Mix of hardwoods and conifers.											
<u>Regen:</u>											
<u>Other</u> Plant oak in openings created by logging.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
38	42101038-Cut	14.7	4319 - Mixed Upland Forest	Sawtimber Well	86	111-140	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Shelterwood leaving hemlock, white pine and paper birch. Residual BA will be variable.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any mix of hardwood and conifers species currently found on site.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 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
39	42101039-Cut	54.9	4119 - Mixed Northern Hardwoods	Poletimber Well	86	111- 140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Mark to a residual BA of 50-60, trying to encourage regeneration of yellow birch, cherry, hemlock and white pine. Leave all hemlock and some											
<u>Specs:</u> scattered large white pine.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Underplant											
<u>Treatments:</u>											
<u>Acceptable</u> northern hardwood with conifers											
<u>Regen:</u>											
<u>Other</u> Plant oak in openings created by logging.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
42	42101042-Cut	21.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	111- 140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees except hemlock and leave some scattered over story white pine.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Underplant											
<u>Treatments:</u>											
<u>Acceptable</u> Northern Hardwoods											
<u>Regen:</u>											
<u>Other</u> Plant oak after logging.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
58	42101058-Cut	7.7	42110 - Planted Red Pine	Poletimber Well	56	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin RP to approximately 120 BA, targeting poor quality trees and/or suppressed trees.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											
59	42101059-Cut	8.7	42110 - Planted Red Pine	Poletimber Well	56	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin to approximately 120 BA, targeting poor quality/suppressed trees.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2017											



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
60	42101060-Cut	10.3	42110 - Planted Red Pine	Sawtimber Well	56	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Thin RP to approximately 120 BA, targeting poor quality trees and/or suppressed trees.

Specs:

Next Step  
Treatments:

Acceptable red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

61	42101061-Cut	10.0	42110 - Planted Red Pine	Sawtimber Well	56	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin RP to approximately 120 BA, targeting poor quality trees and/or suppressed trees.

Specs:

Next Step  
Treatments:

Acceptable red pine  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

94	42101094-Cut	47.9	4113 - R.Maple, Conifer	Poletimber Medium	87	1-50	Harvest	Overstory Removal	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Remove all merchantable trees except white pine and hemlock. Care should be taken to minimize damage to understory.

Specs:

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

Acceptable northern hardwood  
Regen:

Other Leave a few YB for pileated woodpecker.  
Comment:

Proposed Start Date: 10/01/2017

111	42101111-Cut	10.2	42110 - Planted Red Pine	Sawtimber Well	56	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin to approximately 120 BA, removing poor quality and suppressed trees.

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
Acreage Proposed: 264.0**



## Report 4 – Site Conditions

Newberry Mgt. Unit  
Kristen Matson : Examiner

Compartment: 101  
Year of Entry: 2018

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5B	5C	5F	2F	3J
77	77	0	0	Aspen					
4	4	0	0	Herbaceous Openland					
63	63	0	0	Low-Density Trees					
69	52	7	10	Lowland Conifers	7				10
13	0	0	13	Lowland Mixed Forest					13
22	11	0	11	Lowland Shrub					11
1	1	0	0	Lowland Spruce/Fir					
8	5	0	3	Marsh					3
120	26	79	15	Mixed Upland Deciduous	64		14	15	
772	746	21	6	Northern Hardwood			21	6	
47	47	0	0	Red Pine					
2	2	0	0	Treed Bog					
157	37	116	4	Upland Conifers	31	18	68	4	
144	113	31	0	Upland Mixed Forest			31		
19	0	19	0	Upland Spruce/Fir	12		8		
9	9	0	0	Urban					
110	110	0	0	White Pine					
1,637	1,302	272	62	Total Forested Acres	114	18	141	26	37
	80%	17%	4%	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)	13	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Looked at for SBW. Currently healthy.							
2	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Kristen Matson : Examiner

Compartment: 101  
 Year of Entry: 2018

3	<b>Unavailable</b>	<b>2F: Too steep</b>	15	3J: Water quality / BMPs (stream, river, or lake)	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2F: Too steep</b>	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Steep slope along creek.							
5	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.							
6	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	65	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	12	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Many non-merchantable trees. Check in 10 years.							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
Kristen Matson : Examiner

Compartment: 101  
Year of Entry: 2018

9	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	22	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Many trees are 2-4"dbh. Wait until they are merchantable to harvest stand. Evaluated for SBW.							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest next entry with adjacent stands.							
11	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	67	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Newberry Mgt. Unit**  
**Kristen Matson : Examiner**

**Compartment: 101**  
**Year of Entry: 2018**

15	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> East Creek							
16	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> East Creek							



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	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	42200 - Natural White Pine	Poletimber Well	16.3	39	1-50	Stand consists of mainly white pine, with poor quality aspen and B. cherry mixed throughout. B. fir and spruce also mixed in. A few scattered large/wolfy w. pine trees overtopping everything else. There are many non-merchantable trees (2-4" dbh).
2	4136 - Aspen, Mixed Conifer	Sapling Well	3.8	25	Immature	Thick aspen regen with a mix of WP, b. cherry, r. maple, balsam and spruce coming in. Stand was cut in 1992. The majority of the trees are non-merchantable (2-4" DBH).
4	4134 - Aspen, Spruce/Fir	Sapling Well	1.8	25	Immature	Thick aspen - mostly quaking aspen. Balsam fir/spruce/white pine also mixed throughout. Area was clearcut in 1992.
5	429 - Mixed Upland Conifers	Poletimber Well	4.5	56	51-80	Mixed stand with a variety of tree species and sizes. Scattered large white pine. Many of the spruce and fir are 3-6" dbh. BA is variable, 50-90.
6	429 - Mixed Upland Conifers	Sapling Medium	2.8	27	Immature	Stand was an opening that is now filling in w. trees, mostly spruce and white pine. Trees are dense in many places. Area looks like it may intermittently hold water, but is dry now and looks to have been dry for a while. Soil=Paquin-Finch Sand.
7	42200 - Natural White Pine	Sawtimber Poor	10.6	91	1-50	Scattered large white pine retention. Fully stocked regen of a mix of species. Stand harvested via delayed removal as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11. Soil=Finch Sand.
9	6122 - Black Spruce	Sapling Poor	1.0	27	Immature	Stand contains evidence of being wet some of the time (wetland plants), but it is dry now. Stand is beginning to fill in with trees.
10	42200 - Natural White Pine	Sawtimber Poor	6.8	91	1-50	Stand harvested via delayed removal as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11. 2016: Fully stocked regeneration consisting of mainly aspen and red maple, with white pine and fir. Scattered large diameter residual white pine of varying density. Kalkaska sand, 0-6% slopes.
11	4136 - Aspen, Mixed Conifer	Sapling Well	12.4	25	Immature	Stand was final harvested in 1992. Thick aspen reproduction with w. pine, b. fir, w. spruce mixed throughout.
12	42200 - Natural White Pine	Poletimber Medium	8.4	44	51-80	Average BA is 50-60, mainly 1-3 stick white pine. B.fir, spruce, b. cherry and aspen mixed throughout. A large portion of the trees are 3-5" DBH. Cherry and aspen are low quality. ORV trail in stand.
14	42200 - Natural White Pine	Sawtimber Poor	6.9	91	1-50	Fully stocked regeneration is a mix of species. Residual WP with variable BA. Mostly situated along a small ridge. Stand harvested via delayed removal as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11. Records also show an improvement cut in the early 1970's.
15	4136 - Aspen, Mixed Conifer	Sapling Well	12.7	25	Immature	Stand is very well stocked with aspen. Other species mixed in as well such as r. maple, balsam, spruce, beech, w.pine. Stand was final harvested in 1992.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	42340 - Upland Spruce/Fir	Poletimber Well	7.8	44	51-80	Mainly spruce and fir with a variety of other species. Scattered large white pine. There are many trees still 3-5" dbh. Stand was mostly harvested in the early 70's; sale #5-73.
17	6127 - Lowland Pine	Sawtimber Poor	7.1	91	1-50	Fully stocked mixed regeneration. Scattered large white pine, with higher residual BA on upland areas. An intermittent stream/wash flows through the center of this stand. Seasonally wet. Soil=Paquin-Finch Sand. Stand harvested via final harvest as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11.
19	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.3	86	1-50	Stand was thinned in the early 70's; T.sale#5-73. Stand harvested via delayed removal as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11. Small stand of hardwood. Regen is fully stocked after recent harvest.
20	429 - Mixed Upland Conifers	Poletimber Well	17.4	91	81-110	Tall/Large DBH, older white pine of variable BA overtops everything else of a younger age. The stand slopes toward an intermittent drainage along the west edge. Many trees are 1-4" dbh.
21	42200 - Natural White Pine	Poletimber Medium	1.1	32	1-50	Small stand that was an old opening filling in with white pine, aspen, b.cherry. This are was left when surrounding stand was recently harvested..
22	4130 - Aspen	Sapling Well	28.5	6	Immature	Stand harvested via final harvest as sale #002-09-01, "Silver Creek Road Mix". Complete 07/22/11. Fully stocked regen mix with residual large white pine of varying density.
23	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	2.5	67	81-110	Lowland/gully with higher ground. No water in here now, but soil is a bit soft in the bottom. Many spruce and fir 2-4" dbh.
24	42200 - Natural White Pine	Poletimber Poor	1.2	41	1-50	Stand is an old opening filling in with trees, thick b.fir regen on the edges w/overtopping WP. Opening is filling with W.Pine regen (bushy) and poor quality cherry and aspen. Soil=Paquin.
25	4119 - Mixed Northern Hardwoods	Poletimber Well	20.4	86	81-110	Stand was treated in 2001/02; part of t.sale 42-003-98.
26	6139 - Mixed Lowland Forest	Poletimber Well	13.4	53	51-80	Stand is along a gully wash that is seasonally wet. Could possibly be a winter harvest when ready. West side of stand is on the bottom portion of an upland slope. Stand is a mixed bag of b.fir, spruce, tamarack, hemlock, r.maple, cherry, y.birch and aspen.
29	429 - Mixed Upland Conifers	Poletimber Well	8.7	58	51-80	Stand is a mix of b.fir, w. spruce, r.maple, b.cherry, and aspen all overtopped with large diameter white pine. W.pine is limby and poor form. There are many trees in the 3-6" dbh size class. Soil=Paquin
30	4112 - Maple, Beech, Cherry Association	Poletimber Well	73.1	86	81-110	West half of stand was treated in 2001/02, part of sale 42-003-98. East 40 acres (originally stand 57 of C102), was cut in 2004.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4112 - Maple, Beech, Cherry Association	Poletimber Well	229.0	86	51-80	Stand was thinned in 2001/02. It was part of sale #003-98.  30 acres of this stand will be harvested with the Walters research project.
32	4113 - R.Maple, Conifer	Sawtimber Well	41.2	86	111-140	Mix of hardwoods with scattered conifers. Scattered large hemlock and white pine. Stand slopes gently toward the west. Stand has been treated in the past, evidence of old skid trails and stumps. Soil=Wallace/Spot Complex.
33	42200 - Natural White Pine	Sawtimber Medium	35.4	96	51-80	Nice sawlog white pine, with hemlock. Wet swales throughout. Soil=Wallace/spot complex.Stand harvested as sale #005- 09-01, "Compartment 101 Mix". Completed 10/18/11. Regeneration fully stocked with red maple, cherry, white pine, balsam fir, white spruce, beech, hemlock and tamarack.
34	4319 - Mixed Upland Forest	Sawtimber Well	6.5	91	111-140	The center of the stand is wet and has more conifers. Standing water in here right now, water flows towards Co. Rd 415. WP in stand is large with a mix of hemlock, yellow birch, spruce/balsam. Soil=Wallace/spot complex.
35	4113 - R.Maple, Conifer	Poletimber Well	55.0	86	81-110	Stand was thinned in 2001/02, part of t.sale#003-98. Maple in here is not that great of quality. Dense hardwood regeneration. Some raspberry brush in understory.
36	4319 - Mixed Upland Forest	Sawtimber Well	11.9	86	81-110	Stand was harvested through in the early 70's, part of t.sale#40- 78A. Mix of hardwoods and conifers, with a lot of sapling sized trees. Stand has an intermittent/seasonal drainage through it, which ends in a marshy area by the road. Soil=Wallace/spot complex.
37	4113 - R.Maple, Conifer	Poletimber Well	10.1	86	81-110	Low quality hardwoods, mostly all pulpwood quality. Thick maple/balsam fir regen in places. BA is variable; mainly 80-120.
38	4319 - Mixed Upland Forest	Sawtimber Well	14.7	86	111-140	Stand was harvested in the early 70's. Poor quality hardwood overstory with large white pine. Abundant hardwood saplings (1- 4" dbh) as well as balsam fir. Some wet areas. Soil=Wallace/spot complex.
39	4119 - Mixed Northern Hardwoods	Poletimber Well	54.9	86	111-140	Mainly red maple with a mix of other hardwoods and conifers. Scattered large white pine and hemlock. Stand was thinned in the early 70's part of t.sale#40-78A.
40	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.5	49	1-50	Stand was K-G'd in the late 60's. Hardwood/conifer mix that is just coming into the pole size class.
41	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.4	49	1-50	Stand was K-G'd in the late 60's. Hardwood/conifer mix that is just coming into the pole size class.
42	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.4	86	111-140	Poor quality hardwoods, mostly all pulpwood quality. A large number of maple are showing dieback. Dense balsam understory in many places. Larger DBH White pine/hemlock in overstory throughout.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	7.2	66	51-80	Stand is a mix of spruce/tamarack, balsam, white pine, hemlock and cedar. Small ridge of WP/hemlock on the west side of stand/east side of East Creek. Middle of stand is low with leatherleaf. Spruce is more stunted in this area and taller along the edges where it is more upland. Soil=Lupton/Tawas/Carbondale Complex.
44	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	9.5	71	51-80	Lowland conifer/hardwoods. Stand is low/wet, East Creek flows through the middle of it. Scattered White pine in the overstory.
46	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	15.3	82	51-80	Stand flanks the west side of East Creek. It occurs along very steep hillside that leads down to the Creek bottom. Some very nice white spruce in the stand that is tall and straight. Stand would be near impossible to treat-too steep. Also included are small, flatter areas at the bottom of the hill that are within the creek buffer zone.
48	42340 - Upland Spruce/Fir	Poletimber Well	11.6	62	51-80	Variable density and species composition. Smaller white spruce/balsam mixed with larger overtopping white spruce and white pine. R. maple/black cherry (poor quality) mixed throughout. Many trees are in the 3-5" dbh class.
49	429 - Mixed Upland Conifers	Poletimber Poor	4.9	46	1-50	Semi-open valley, with a mix of trees growing in. Ground cover includes: reindeer moss, brackenfern, and grass/sedge.
50	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	3.1	67	51-80	Stand falls in a small depression/low pocket that supports tamarack and black spruce. Seasonally wet, especially south portion. Soil=Paquin/Spot Complex.
51	4112 - Maple, Beech, Cherry Association	Poletimber Medium	23.9	67	1-50	Variable species composition and density. Variety of trees filling in open area. Mainly poor quality.
52	4113 - R.Maple, Conifer	Poletimber Well	2.1	67	51-80	Poor quality clumpy red maple, with spruce, balsam, and white pine mixed throughout.
53	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.5	67	51-80	Poor quality clumpy red maple, with some scattered spruce, balsam, white pine mixed throughout.
54	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.4	67	81-110	Poor quality hardwoods, mainly red maple clumps, with scattered cherry and conifers. Many trees are not yet merchantable (3-5" dbh).
55	4112 - Maple, Beech, Cherry Association	Sapling Poor	6.3	41	1-50	Old grassy opening that has been filling in with trees. Juneberry, hazel poor quality red maple, b.cherry, w.pine, balsam, spruce. Trees are bushy/clumpy and barely merchantable. Bracken fern, grass, reindeer moss on the ground.
58	42110 - Planted Red Pine	Poletimber Well	7.7	56	141-170	Stand was planted in 1961, 6x6/5x7 spacing. Stand was thinned in 1999 and 2000, T.sale#004-98.
59	42110 - Planted Red Pine	Poletimber Well	8.7	56	141-170	Stand was planted in 1961, 6x6/5x7 spacing. Stand was thinned in 1999 and 2000, T.sale#004-98.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	42110 - Planted Red Pine	Sawtimber Well	10.3	56	141-170	Stand was planted in 1961, 6x6/5x7 spacing. Stand was thinned in 1999 and 2000, T.sale#004-98.
61	42110 - Planted Red Pine	Sawtimber Well	10.0	56	141-170	Stand was planted in 1961, 6x6/5x7 spacing. Stand was thinned in 1999 and 2000, T.sale#004-98.
64	6124 - Lowland Spruce-Fir	Poletimber Well	5.3	41	1-50	Stand was mostly cut in 1976, t.sale#12-75A. Stand regenerating to lowland conifer/hardwoods. Thick 2-4" dbh trees in most places. Stand has some small, subtle ridges/knobs.
65	6124 - Lowland Spruce-Fir	Poletimber Medium	2.7	41	1-50	Stand is a mix of lowland conifers/hardwoods, spruce, balsam, hemlock, white pine, paper birch, red maple, yellow birch. Stand was cut in 1976. A few larger white pine, hemlock in overstory. Soil=Paquin Spot Complex.
66	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	10.7	41	1-50	Thick regen of mostly 2-5" dbh spruce/balsam and birch with some white pine and aspen. Scattered trees left in overstory from cut, mostly white pine, hemlock, spruce, old red maple/yellow birch. Stand falls on subtile ridges and low ground. Stand was cut in 1976, T.sale#12-75A. Soil=Paquin/spot complex.
67	4119 - Mixed Northern Hardwoods	Sapling Well	25.1	29	Immature	Stand was cut in 1988, T.Sale#018-87. Strip clear cuts 1-2 chains wide. Densely stocked mix of hardwoods with conifers. The alternating strips were heavily thinned in 2011.
79	4319 - Mixed Upland Forest	Poletimber Medium	46.3	86	1-50	Hardwood mix with white pine and hemlock. Narrow strips were clearcut out of this stand in 1987 (stand 67). This stand was harvested as sale #007-09-01, "County Road 442 Hardwoods". Complete 08/02/11. Regeneration is a fully stocked mix of hardwoods with conifers. The dense regeneration in this stand is making it harder to distinguish it from the narrow densely stocked strips of stand 67.  Regen 2015: Hemlock 450 TPA, beech 396 TPA, red maple 2613 TPA, black spruce 180 TPA.
80	429 - Mixed Upland Conifers	Sawtimber Medium	9.0	101	81-110	Stand was treated in 1979, T.sale#10-79. Stand falls on subtile ridges and low ground pockets. Some large white pine in here mixed with thicker groves of hemlock. Soil=Paquin/Spot complex.
81	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	3.8	81	51-80	Stand was treated in 1973, T.sale#22-73.
83	6124 - Lowland Spruce-Fir	Poletimber Well	2.7	67	51-80	Soil=Spot. Slight drainage on NW side of stand, non-flowing and not a concern.
84	429 - Mixed Upland Conifers	Sawtimber Well	21.5	91	111-140	Ridges with lower pockets that support groves of hemlock, larger diameter white pine, nice spruce, balsam. Poor quality red maple/yellow birch. Cut in the past. Many 2-4" dbh trees. Species composition and density is variable. Soil=Paquin/Spot Complex.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
87	4319 - Mixed Upland Forest	Poletimber Well	11.1	44	51-80	Stand was treated in 1973, T.sale#18-73. Poor quality hardwoods, with Balsam/hemlock throughout. Thick b.fir understory in the south half of stand. Scattered large diameter WP and other residual trees.
88	429 - Mixed Upland Conifers	Poletimber Well	41.4	44	51-80	Most of stand was clearcut in 1973, T.Sale#22-73. Thick balsam fir, spruce and maple regen throughout that is just coming into pole size class. Species composition and density are variable.
89	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.1	44	51-80	Stand was essentially clearcut in 1973, T.sale#18-73 Thick maple/b.fir regen. Scattered white pine, spruce, hemlock in overstory.
91	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.5	72	51-80	Poor quality red maple. Trees are mostly growing from clumps. Aspen, balsam, white pine, cherry, beech present. Saplings are thick and thin, mostly r.maple, beech and balsam fir. Stand is situated on the side of a gradual slope.
92	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.8	81	81-110	Stand was thinned in 2000/01, T.sale#003-98. Beech and red maple regen is dense. Scattered white pine/hemlock in overstory.
93	4113 - R.Maple, Conifer	Sawtimber Well	6.3	81	81-110	Stand was harvested in 1978, T.sale#17-77A. Thick b.fir understory that is just coming into pole size. There are a large number of trees in the 2-5" dbh size range. Scattered large w.pine throughout.
94	4113 - R.Maple, Conifer	Poletimber Medium	47.9	87	1-50	Stand was treated in 1978, T.sale#17-77A, and then harvested as sale #007-09-01, "County Road 442 Hardwoods". Complete 08/02/11. Some sugar maple present, but it is low quality, as is the red maple. Residual BA is variable, but generally 40-60. Abundant maple sapling regen, along with thickets of b.fir and other regen.
95	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	28.8	38	51-80	Southern portions of stand were essentially clearcut in 1974 (t.sale#13-74) and northern portions were shelterwooded in 1979 (t.sale#34-78A). Some spruce was left behind in overstory from this sale and is now larger DBH with regen coming underneath. Stand is predominantly coming back as spruce/balsam/aspen with a mix of white pine. Poor quality r.maple/b.cherry present. Spruce/balsam is decent and becoming a nice component to the stand. Aspen is poor quality.
96	4119 - Mixed Northern Hardwoods	Poletimber Well	35.0	81	51-80	Some logging activity occurred in the late 70's in the SW side of this stand. (T.sale#13-74). Thick b.fir saplings in spots, other areas have more hardwood saps.
97	4319 - Mixed Upland Forest	Poletimber Poor	1.1	61	1-50	Small opening that has been filling in with trees.
98	4119 - Mixed Northern Hardwoods	Poletimber Poor	1.7	51	1-50	Poor quality r.maple, b.cherry. Balsam, spruce and white pine present. Old opening in the middle of a stand of hardwoods that is filling in with trees.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
99	4119 - Mixed Northern Hardwoods	Poletimber Poor	5.2	61	1-50	Poor quality r.maple, b.cherry. Balsam, spruce and white pine present. Stand is an opening in the middle of a stand of hardwoods that has been filling in with trees.
100	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	64.5	81	51-80	Stand was treated in 1978, T.sale#34-78A with a stump diameter cut. Stand is a mix of species, with large diameter white pine scattered throughout. There is a large amount of trees in the 1-4" diameter classes. Species composition and density are variable.
101	42200 - Natural White Pine	Poletimber Poor	4.2	51	1-50	Old opening that is slowly filling in with trees.
102	4311 - Pine, Aspen Mix	Poletimber Poor	13.1	51	1-50	This stand is an old opening that has been filling in with trees. Species composition and density varies greatly.
103	429 - Mixed Upland Conifers	Poletimber Poor	2.8	46	1-50	This stand is an opening that has been filling in with trees. Poor quality aspen and hardwoods, bushy white pine scattered throughout, with more trees around the edges.
104	4113 - R.Maple, Conifer	Poletimber Well	28.6	81	51-80	Stand was treated in 1978, t.sale#34-78A. Some areas were cut harder than others, so BA is variable but averages 60-90. The stand contains a lot of 2-4" dbh red maple, beech and balsam fir.
105	4319 - Mixed Upland Forest	Poletimber Well	19.7	81	51-80	Stand was treated in 1979, T.sale#34-78A. Result is a two aged stand with variable BA -60-90. Scattered large white pine. Dense 2-4" dbh red maple, beech and balsam fir.
106	4113 - R.Maple, Conifer	Poletimber Well	20.7	81	81-110	Stand was treated in 1978, T.sale#34-78A. Poor quality hardwoods. Thick balsam fir and red maple regeneration. Many trees 2-4" dbh. Beech in here is nearly dead from scale.
107	4113 - R.Maple, Conifer	Sawtimber Well	6.1	81	111-140	Stand falls on the side of a very steep east facing slope leading towards East Creek. Some large white pine, hardwoods and white spruce. Would be mostly inoperable to logging. Creek vally is scenic.
109	429 - Mixed Upland Conifers	Sawtimber Well	4.2	107	81-110	The stand is mostly a ridge/bank sloping down to East Creek, and is very steep bank in many places, Very scenic. Timber is a mix of larger DBH white pine along with younger white pine, spruce, balsam, some aspen and red maple.
110	429 - Mixed Upland Conifers	Sawtimber Well	3.4	96	51-80	Large diameter/limby white pine. Spruce, balsam and aspen growing under in patches.
111	42110 - Planted Red Pine	Sawtimber Well	10.2	56	141-170	Stand was planted in 1961. Stand thinned as sale #004-09-01, East Creek Red Pine. Completed 05/13/10.
112	4130 - Aspen	Sapling Well	8.0	7	Immature	Area was treated in 1974 and final harvest as sale #004-09-01, East Creek Red Pine. Completed 05/13/10. Stand is fully stocked aspen with a mix of other species. Some residual white pine and other species.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
113	429 - Mixed Upland Conifers	Sawtimber Well	7.8	43	51-80	Stand was harvested in 1974. White pine was left behind. Spruce, balsam, red maple, aspen is coming back. Plenty of trees 2-4" DBH.
114	4130 - Aspen	Sapling Well	4.4	7	Immature	Stand harvested via final harvest as sale #004-09-01, East Creek Red Pine. Completed 05/13/10. Fully stocked aspen with a mix of other species. Some residual pine. ORV trail along the north of the stand.
115	4134 - Aspen, Spruce/Fir	Poletimber Well	5.7	43	51-80	Stand was treated in 1974. Aspen has mostly come back with a mix of b.fir, spruce, r. maple, white pine, cherry. Many trees 2-4" dbh. Scattered large diameter w.spruce/white pine.
116	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.2	43	51-80	Stand was treated in 1974, looks like most species other than white pine were harvested. Stand is now essentially two aged. Basically the same comments as stand 117, but less white pine here and more variability in the amount of residual white pine. Regen of r.maple, b.fir, aspen is thick throughout. White pine is mostly limby and forked although some trees are of decent quality.
117	429 - Mixed Upland Conifers	Sawtimber Well	17.7	107	81-110	Stand was treated in 1974, looks like most species other than white pine were harvested. Stand is now essentially two aged. Large diameter white pine overtopping red maple, b.fir, spruce. More WP here than in stand 116. Regen of r.maple, b.fir is thick throughout.
118	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	19.0	54	81-110	Pockets of WP planted in 1963, with older large white pine and other trees scattered throughout.
119	4319 - Mixed Upland Forest	Poletimber Medium	19.2	38	51-80	Stand was essentially clearcut in 1978, t.sale#17-77A. Stand is very similar to stand 95. Long narrow stand with varying species composition and density. This stand occurs on the side of a gradual east facing slope. Larger spruce and white pine are scattered throughout. Hardwoods in stand are poor quality. Many trees are 2-4"dbh.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	623 - Emergent Wetland	3.0	No	Stand intermittently holds water. Leatherleaf and grass/sedge. Some scattered tree seedlings as well, spruce/balsam/white pine/aspens. Soil=Paquin-Finch Sand.
8	6229 - Mixed lowland shrub	11.0	No	Stand occurs in the bottom of a gully, and includes East Creek. Some areas are predominantly tag alder while other areas of stand support trees. Low/wet ground.
28	122 - Road/Parking Lot	8.9	No	County Road 415
56	3301 - Low Density Deciduous Tree	9.2	No	Grassy opening/upland brush, that is slowly filling in with trees. Juneberry, hazel poor quality red maple, b. cherry, w. pine, balsam, spruce. Trees are bushy/clumpy, and while some trees are merchantable, the majority are not. Bracken fern, grass, reindeer moss on the ground.
57	310 - Herbaceous Openland	3.7	No	Grassy opening/upland brush. Juneberry, hazel poor quality red maple, b.cherry, w.pine, balsam, spruce. Trees are bushy/clumpy and barely merchantable. Bracken fern, grass, reindeer moss on the ground.
62	3301 - Low Density Deciduous Tree	41.3	No	Scattered individual and groups of trees. Mix of species including spruce, red maple, balsam fir, white pine, aspen and cherry. Juneberry, hazel brush, bracken fern, grass, reindeer moss. Bushy spruce, balsam, white pine trees scattered throughout.
63	6229 - Mixed lowland shrub	11.1		Stand harvested as sale #005-09-01, "Compartment 101 Mix". Completed 10/18/11. Stand is regenerating to a mix of species, with red maple throughout; aspen on higher ground around the edges; and spruce, fir and tamarack in the wetter areas. Intermittent drainage, with small amounts of water now. Soil=Pacquin/spot complex.  2016 regen check: tamarack = 311/ac, red maple = 900/ac, cherry = 249/ac, aspen = 498/ac, b.fir = 124/ac, b. spruce = 62/ac
82	6224 - Treed Bog	1.6	No	Treed bog
85	6233 - Wet Meadow	0.9	No	Low pocket that seasonally holds water. Soil=Spot.
86	6233 - Wet Meadow	1.0	No	Low pocket that seasonally holds water. Soil=Spot.
90	330 - Low-Density Trees	12.4	No	Stand is mostly open w/scattered clumps of red maple, b. cherry, spruce, balsam, w.pine. Bracken fern, reindeer moss, grass and hazel brush.
108	623 - Emergent Wetland	2.8	No	Bottom of a vally/gorge. East Creek flows through the stand. Very scenic. Water in East Creek is clear. Tag alder / marsh grass down here, beaver activity in the past.