



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42117

Entry Year 2017

Acreage: 4,030

County Luce

Management Area: Tahquamenon Basin Wetlands

Revision Date: 2015-11-04

Stand Examiner: Matt Payment

Legal Description:

T46N R8W Section 18, 19 and T46N R9W Sections 3, 10-15, 23, 24

Identified Planning Goals:

To maintain and enhance forest health and diversity while incorporating recreational, wildlife, fire, and any additional special concerns.

Soil and topography:

Flat Tahquamenon peat, Carbondale muck swamps with low upland ridges of Saugatuck, Wallace fine and Brimley very fine sands. Approximately 2/3 of the compartment is a complex of predominately wetland cover types.

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

Private lands to the east, otherwise surrounded by mixed State and private ownership.

Unique Natural Features:

MNFI has identified the potential for merlin, eagle, osprey, goshawk, red-shouldered hawk, wood turtle, and Blanding's turtle. Potential for yellow rail, least bittern, American bittern, marsh wren and black tern in marsh. Potential for gray wolf and moose. Potential for spruce grouse and black-backed woodpecker. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas. Potential for sweet coltsfoot, Wiegand's sedge, English sundew, round-leaved orchis, black crowberry, yellow pitcher plant, and paniced screwstem in bogs. Potential for climbing fumitory, pine-drops, and false violet in pines.

Archeological, Historical, and Cultural Features:

None identified by the Bureau of History

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: Auger Creek and the Tahquamenon River both skirt this compartment. The reaches of Auger Creek in this area are relatively warm and not suitable for trout. These reaches likely serve as nursery habitat for a wide variety of game fishes from the Tahquamenon River such as Northern Pike, Muskellunge, Walleye, Yellow Perch, and Suckers. The Tahquamenon River in this area supports a prime Muskellunge and Walleye fishery. Treatments are unlikely to occur anywhere near either stream due to the marshy condition, however when treatments do occur, standard BMP's should apply.

Wildlife Habitat Considerations:

Compartment 117 lies in the Seney Sand Lake Plain ecological sub-subsection. Auger Creek makes up the northern border of the compartment. The compartment is located in the Tahquamenon River Basin Wetlands Management Area and black bear, gray jay, snowshoe hare and white-tailed deer are featured species. The compartment is largely comprised of low, wet cover types varying from treed bogs and lowland brush to swamp conifer and swamp hardwoods. A few drier spots and ridges support jack pine, spruce, and white pine or aspen stands. Excellent wildlife travel corridors exist along lowlands, ridges and streams. Current day vegetation patterns mimic those recorded during pre-settlement times.

Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats. Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in

harvested stands and the preservation of conifer components in aspen stands. White-tailed deer, black bear, snowshoe hare, moose, gray wolf, mink and otter are noteworthy wildlife species using this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 3, 10 - 15 & 22 – 24, T46N-R9W & Sections 18 & 19, T46N-R8W, Luce County
Surface sediments consist of peat and muck and minor lacustrine (lake) sand & gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Collingwood and Utica Shales and the Trenton Group subcrop below the glacial drift. The Trenton is quarried for limestone/dolomite in the UP. Gravel pits are not located in the area and potential is limited. There is no economic oil and gas production in the UP, although there was a recent well drilled in Schoolcraft County.

Vehicle Access:

9 Miles north of Newberry on the Charcoal Grade. Access is very limited due to private land ownership, gates and the minimal amount of roads within the compartment. The main access to this compartment is the Charcoal Grade. It is gated on the north and south ends of the adjacent compartment on the borders of the private land ownership. The Charcoal Grade is a major snowmobile trail leading to and from Newberry. During snowmobile season, the private landowners open the gates to allow access for snowmobiling.

Survey Needs:

Recreational Facilities and Opportunities:

The Falls snowmobile trail (Trail #45) uses the Charcoal Grade as a main travel route. Hunting and wildlife viewing are additional opportunities.

Fire Protection:

Fire suppression activities may be tough with heavy equipment because of soft ground. Large fire potential may be low to moderate because of poor roads and mixture of Jack Pine ridges, swamp conifers and marshes.

Additional Compartment Information:

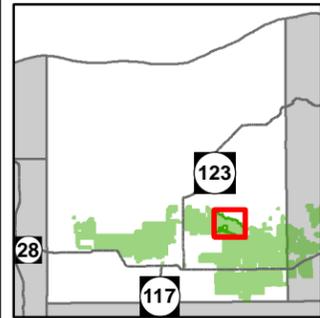
The following reports from the Inventory are attached:

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

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

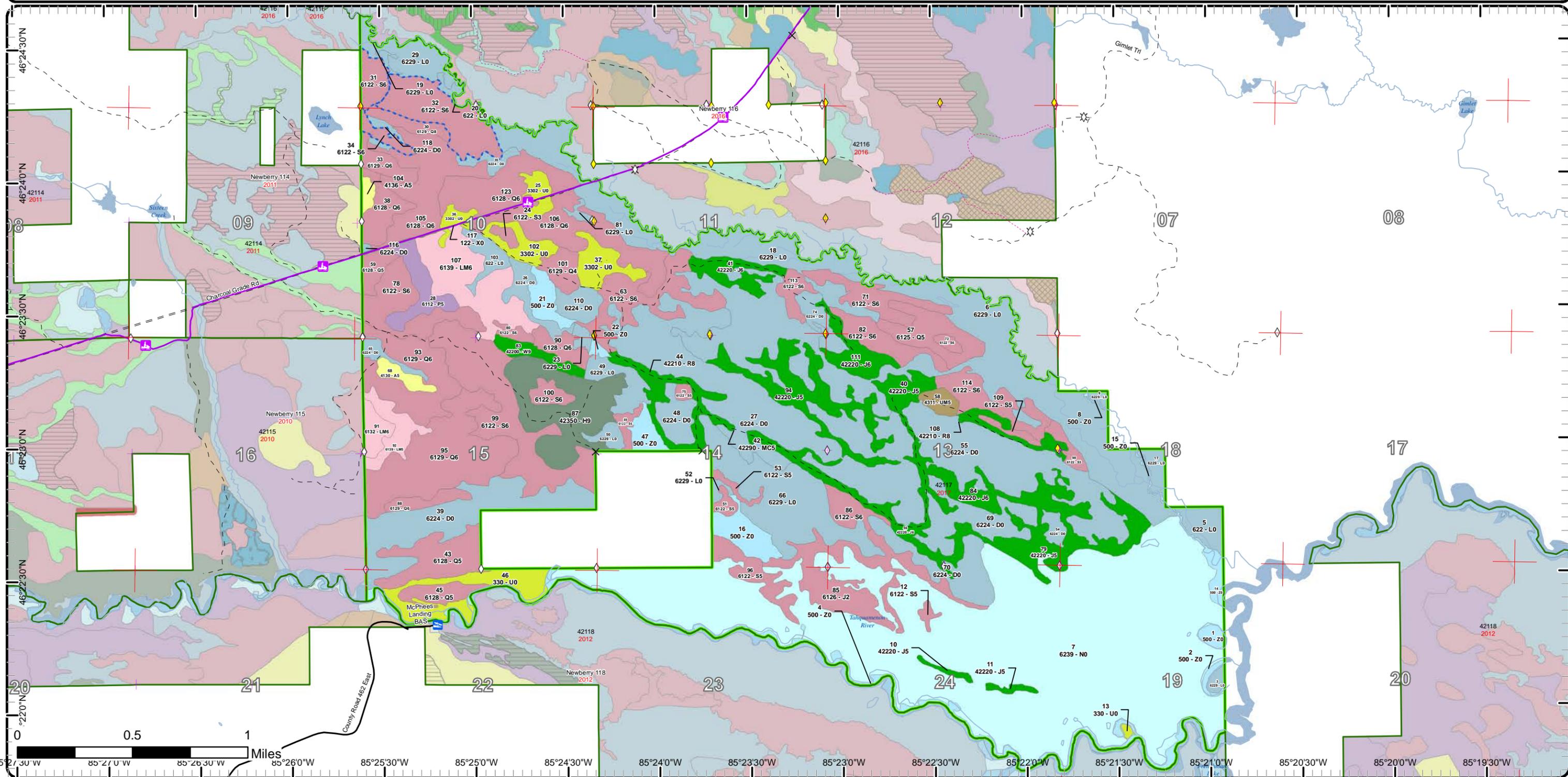
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



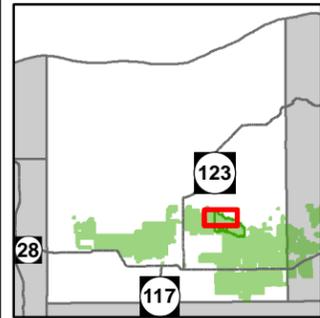
Compartment: 117
 T46N R09W 03, 10-15, 18, 22-24
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2017
 Acres: 4030 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 3/30/2016
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- 🚙 Snowmobile Trails
- 🚙 Designated Snowmobile Trails
- ✂ Gate
- 🚤 Boating Access Site
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Rivers
- ▭ Compartment Boundary
- Treatments with Site Conditions (pd)
- ▭ Treatments with Site Conditions
- Forest Covertype
- 413 - Aspen
- 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 Covertype
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

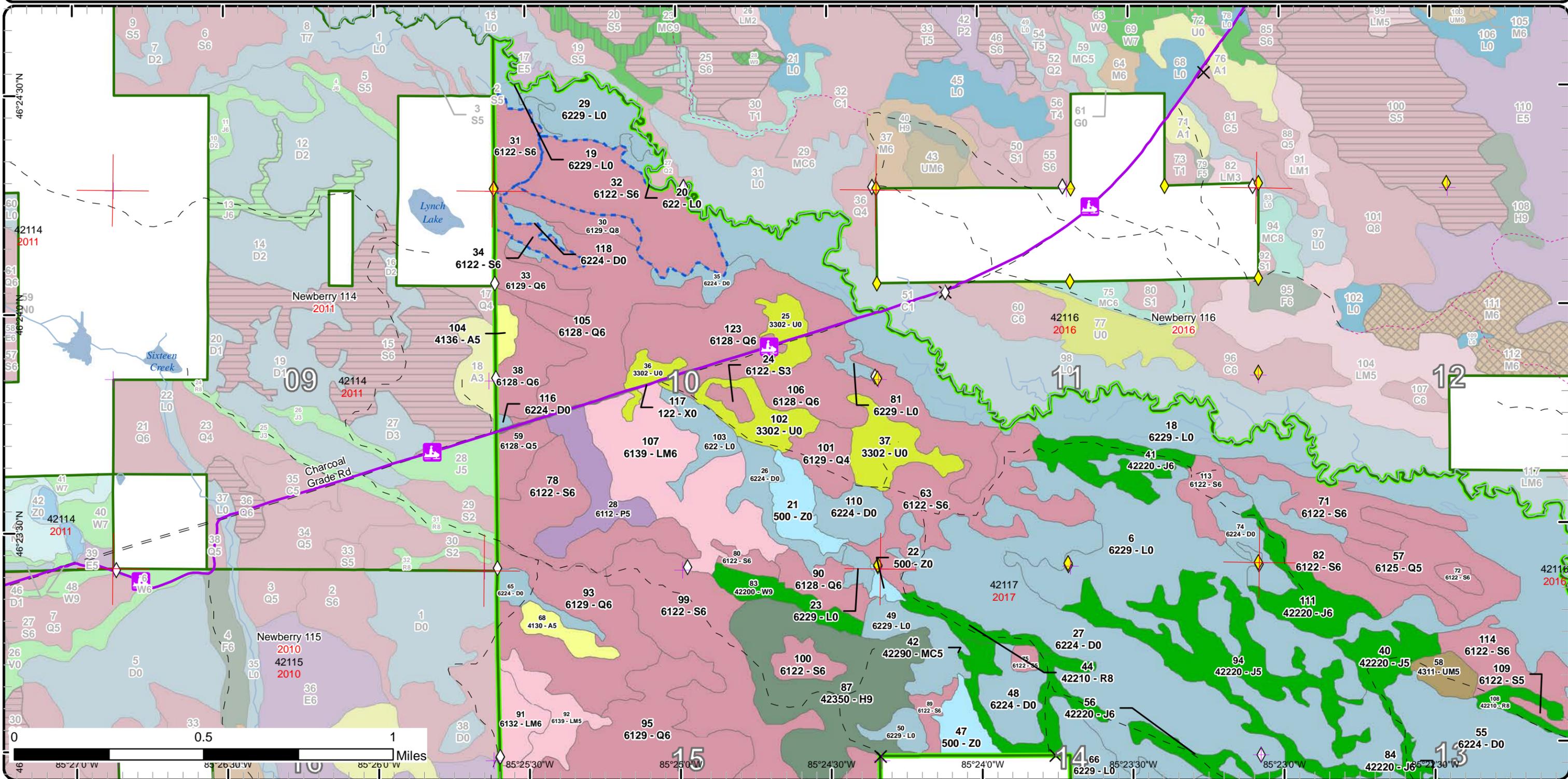


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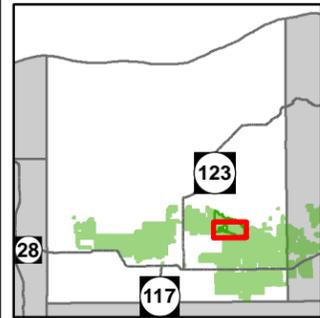


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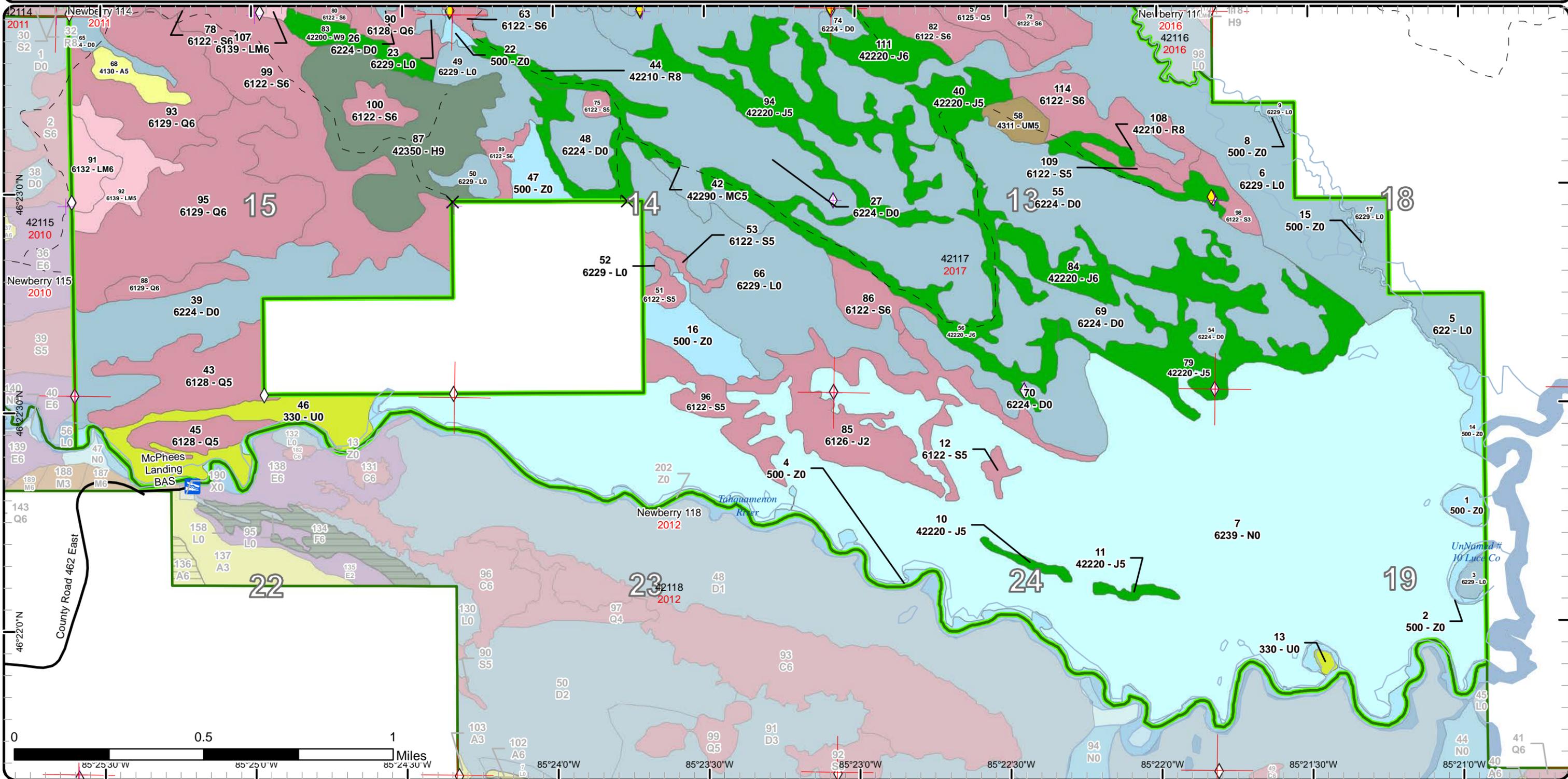


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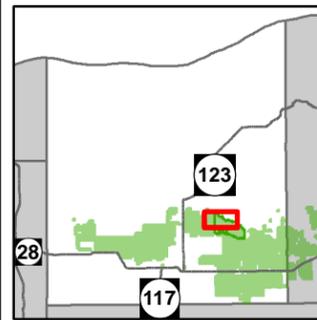


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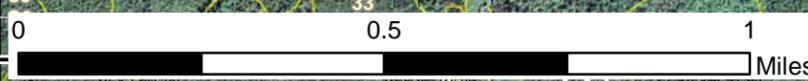
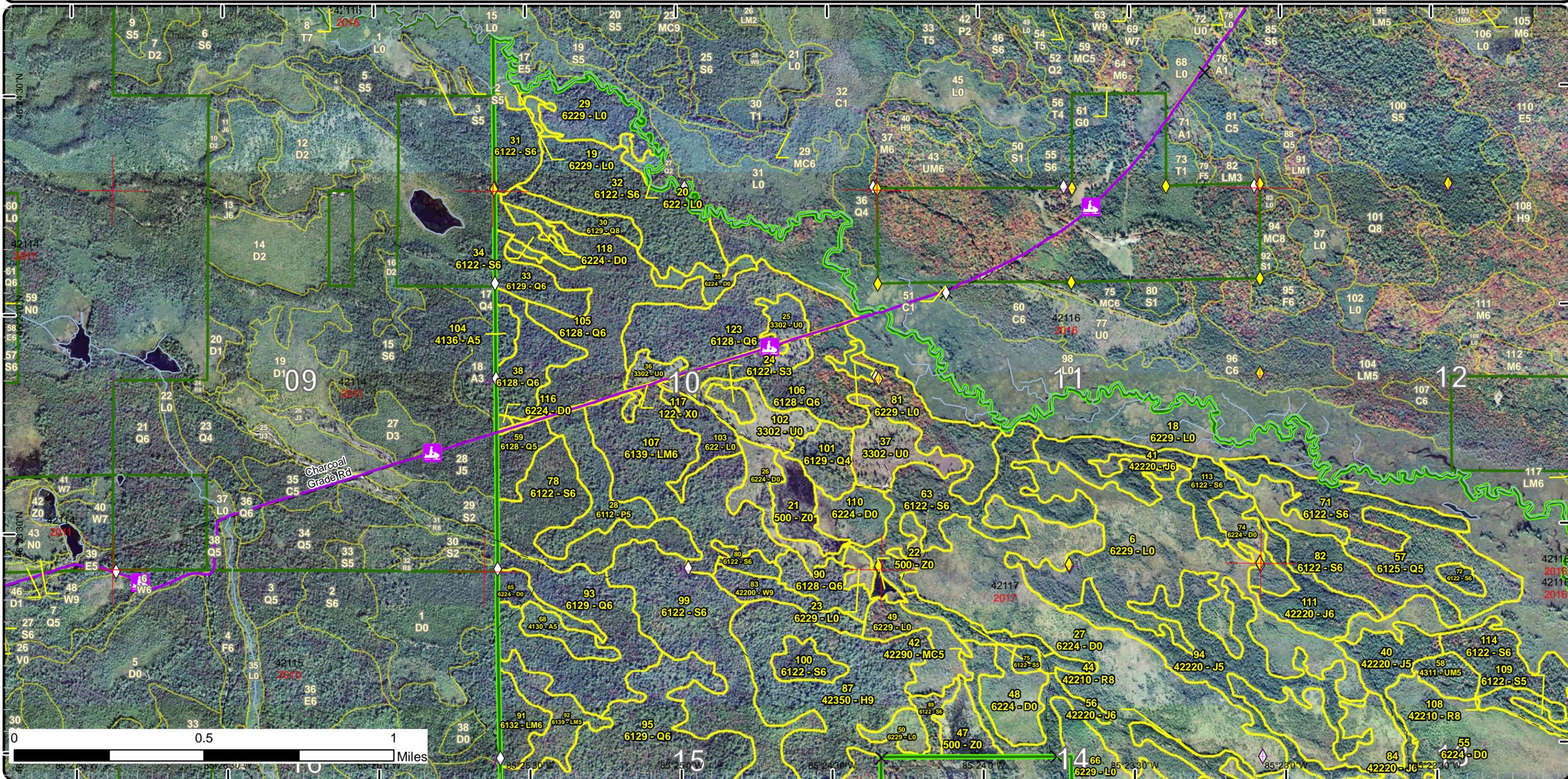


Stand Boundary Map

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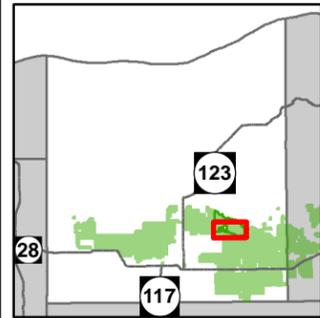


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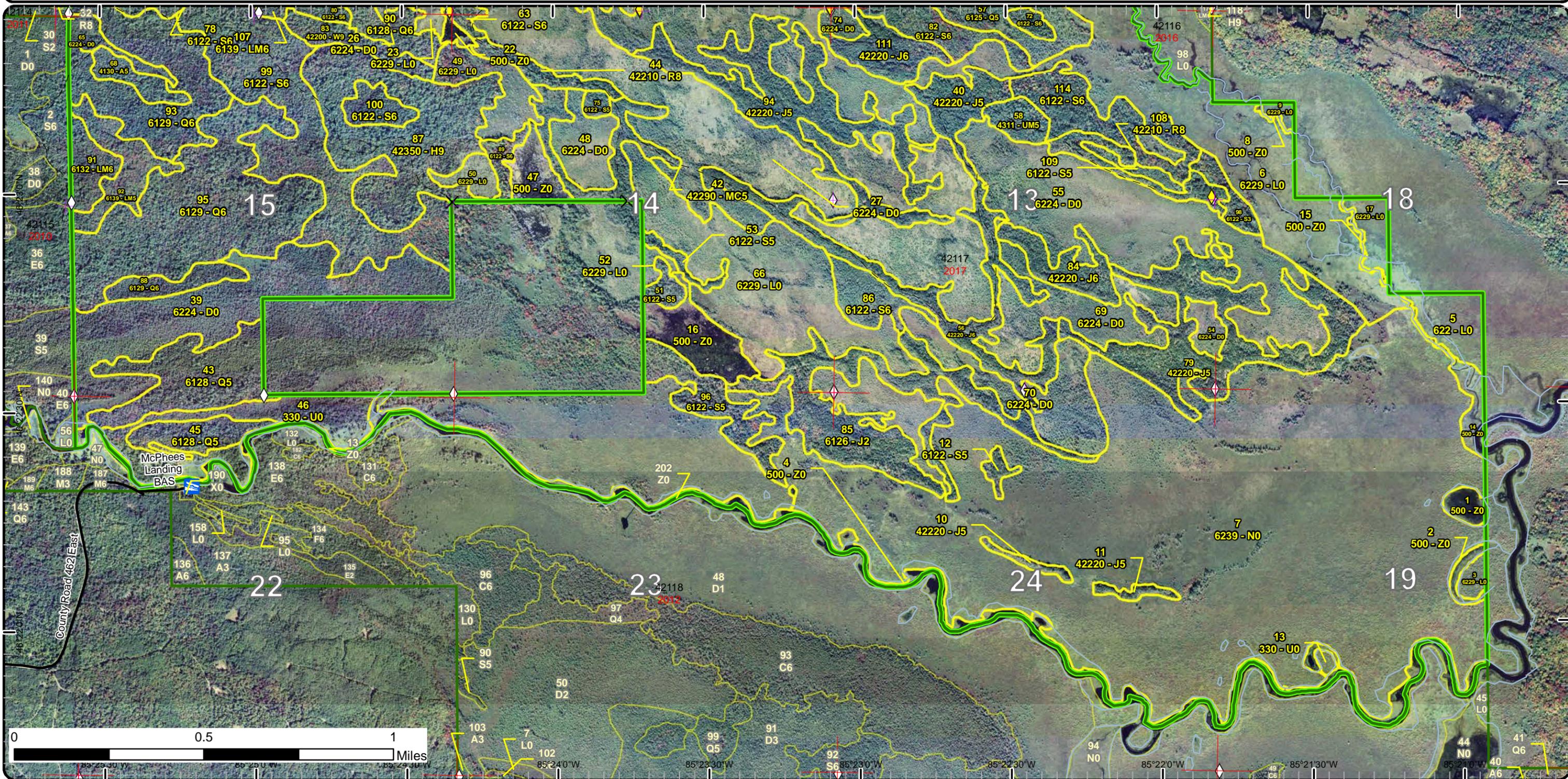


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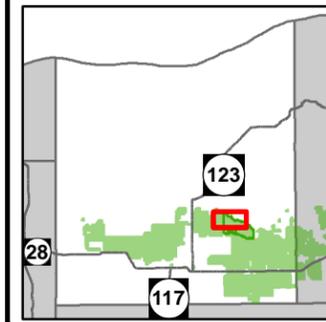


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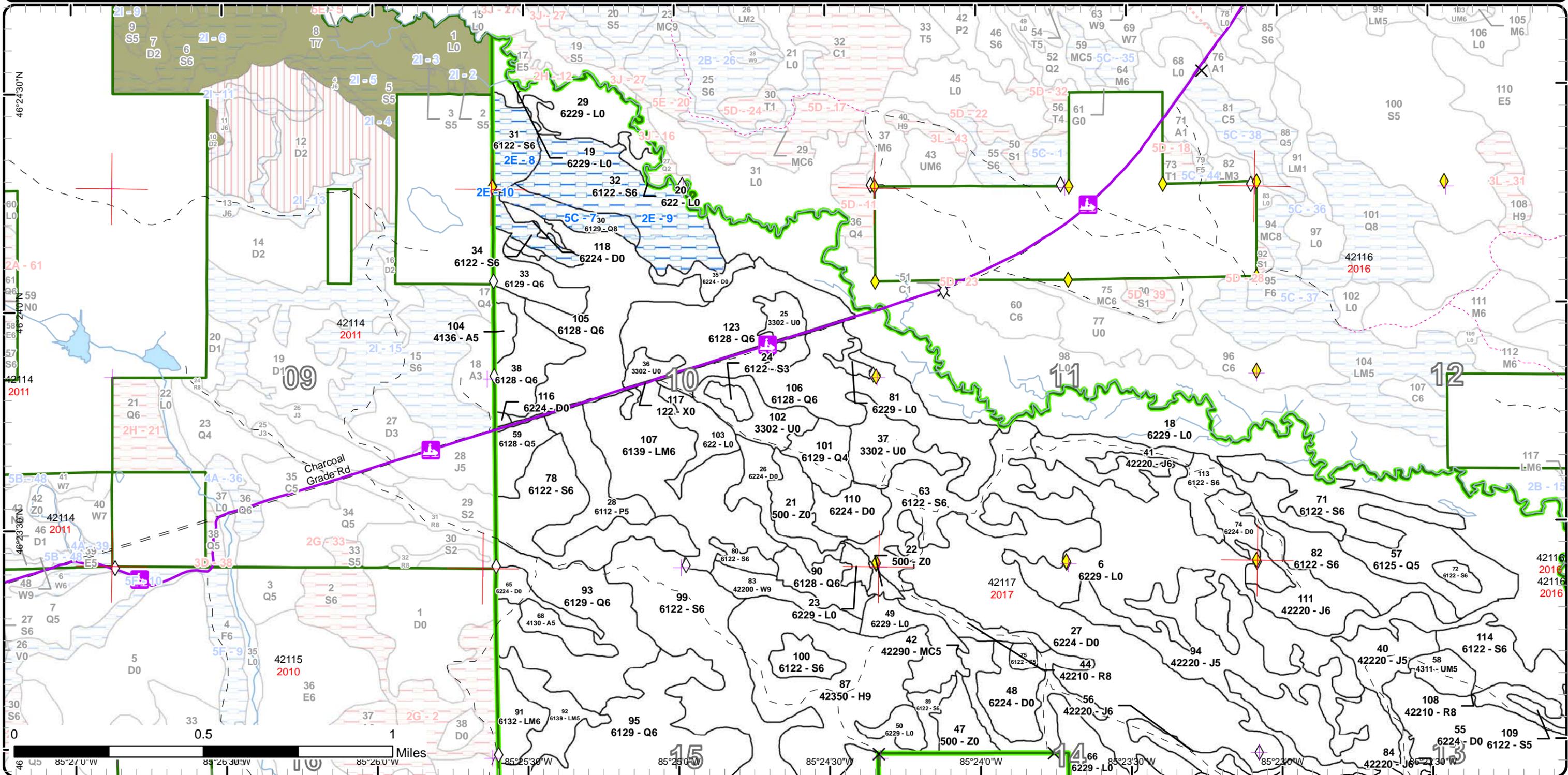


Special Conservation Areas & Site Conditions Map

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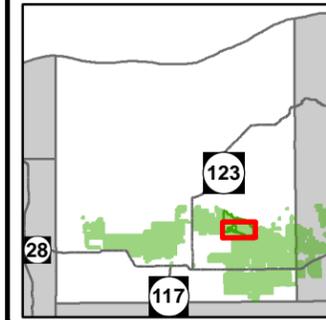


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- Compartment Boundary
- Available w/ Constraints
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries
- Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- Potential Old Growth
- Other SCA (No Category Assigned)

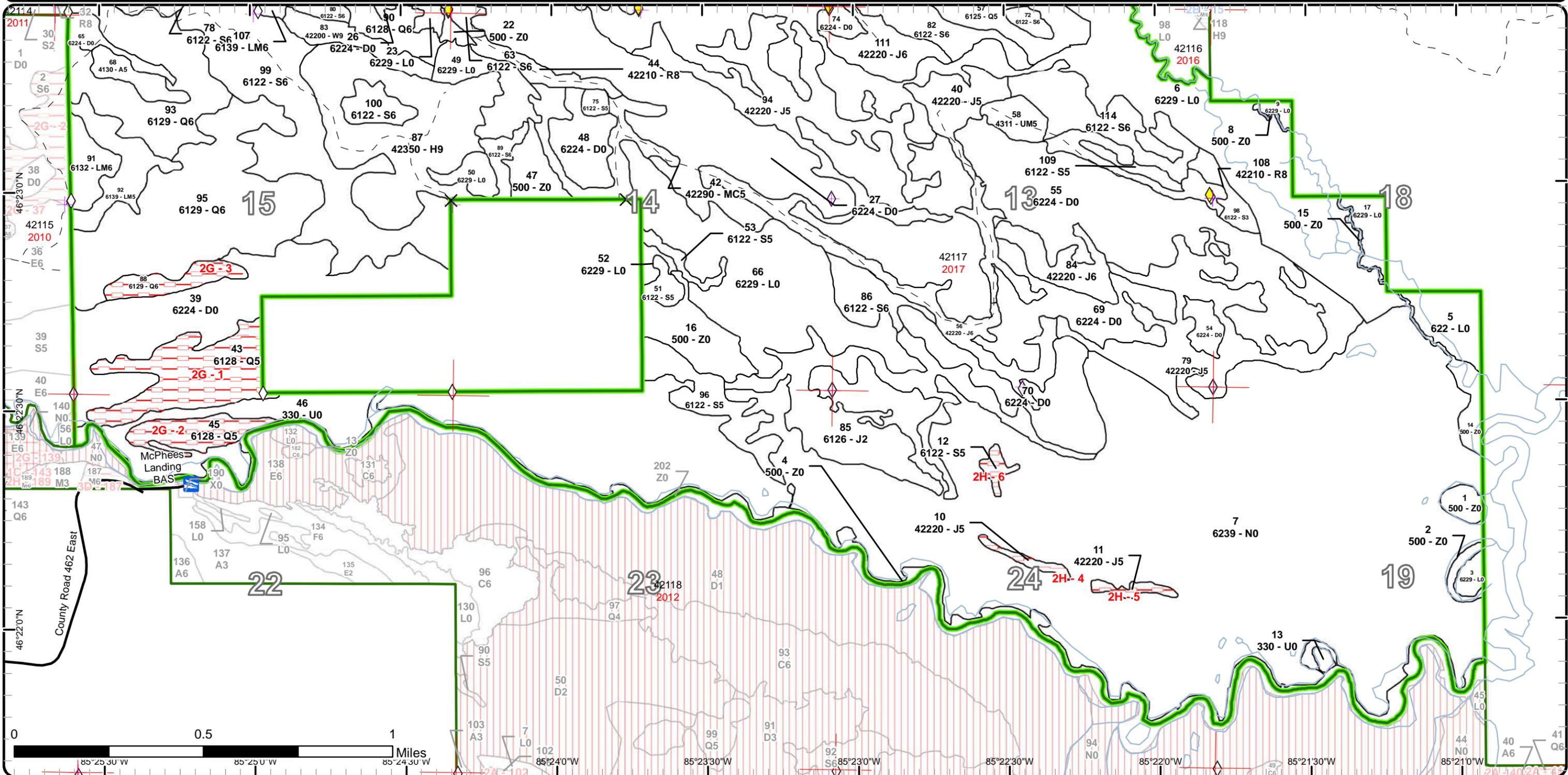


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- ▭ Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Special Conservation Areas
- Other SCA (No Category Assigned)



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85
Jack Pine	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	7	349
Low-Density Trees	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	551	551
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	105
Lowland Shrub	635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	635
Lowland Spruce/Fir	0	0	0	0	0	8	5	0	0	96	33	0	0	0	0	0	0	340	482
Marsh	864	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	864
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25
Treed Bog	622	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	622
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Total	2346	0	0	0	0	350	5	0	0	96	33	0	0	0	0	0	0	1200	4030



Report 2 – Treatment Summary

Newberry Mgt. Unit

Compartment 117

Year of Entry:

Acres of Harvest

Total Compartment Acres: 4,030

Commercial Harvest - 101
 Harvests with Site Condition - 81
 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
Lowland Spruce/Fir	181	0	0	0	0	0	0	0	0	181
Total	181	0	0	0	0	0	0	0	0	181

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	181	0	0	0	0	0	0	0	0	181
Next Step	0	0	0	0	0	0	181	0	0	181
Total	181	0	0	0	0	0	181	0	0	362



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	42117031-Cut	15.8	6122 - Black Spruce	Poletimber Well	80	111- 140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Proposal

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

Prescription Clearcut with retention.

Specs: Winter cut only.

Next Step
Treatments:

Acceptable Lowland coniferous species is acceptable regeneration.
Regen:

Other WLD - Add retention pocket. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

32	42117032-Cut	56.4	6122 - Black Spruce	Poletimber Well	88	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
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Habitat Cut: No **Site Condition: Road Needed**

Prescription Cut all species present.

Specs: Do not cut any Hemlock. Do not cut any White Pine over 20".

Winter cut only.

Buffer Auger creek accordingly.

Next Step
Treatments:

Acceptable Lowland coniferous or deciduous species is acceptable regeneration.
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

34	42117034-Cut	8.3	6122 - Black Spruce	Poletimber Well	88	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Proposal
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Habitat Cut: No **Site Condition: Road Needed**

Prescription Cut all species present. Stand acres are low so no retention should be needed.

Specs: Winter cut only.

Next Step
Treatments:

Acceptable Lowland coniferous species is acceptable regeneration.
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
71	42117071-Cut	29.8	6122 - Black Spruce	Poletimber Well	82	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all species present.											
<u>Specs:</u> Winter cut only unless abnormally dry summer. Buffer Auger Creek by 100ft.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> Lowland conifer species are all acceptable regeneration.											
<u>Regen:</u>											
<u>Other</u> WLD - Leave any large Red or White pine. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
82	42117082-Cut	25.6	6122 - Black Spruce	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all species present. Leave all white pine over 18".											
<u>Specs:</u> Winter cut only or if abnormally dry summer.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> Lowland conifer species are all acceptable regeneration.											
<u>Regen:</u>											
<u>Other</u> Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
113	42117113-Cut	12.1	6122 - Black Spruce	Poletimber Well	82	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all species present. No retention should be left due to the small stand size											
<u>Specs:</u> Winter cut only unless abnormally dry summer.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> Lowland conifers are all acceptable regeneration in this stand.											
<u>Regen:</u>											
<u>Other</u> WLD - Leave some large White pine throughout the stand. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											
114	42117114-Cut	33.2	6122 - Black Spruce	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Habitat Cut: No		Site Condition:									
<u>Prescription</u> Cut all species present. No retention should be left due to the smaller stand size and to promote regeneration of the spruce.											
<u>Specs:</u> Winter cut only unless abnormally dry summer.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> Lowland conifer species are all acceptable regeneration.											
<u>Regen:</u>											
<u>Other</u> WLD - Leave some large White pine throughout the stand. Add a retention pocket within the stand. Old next step comments:											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2016											

**Total Treatment
Acreage Proposed: 181.2**

Report 5 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 117
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2E	5C	2G	2H
15	15	0	0	Aspen				
85	85	0	0	Hemlock				
350	342	0	7	Jack Pine				7
99	99	0	0	Low-Density Trees				
26	26	0	0	Lowland Aspen/Balsam Poplar				
551	467	12	72	Lowland Conifers		12	72	
105	105	0	0	Lowland Mixed Forest				
635	635	0	0	Lowland Shrub				
482	398	81	4	Lowland Spruce/Fir	81			4
864	864	0	0	Marsh				
23	23	0	0	Natural Mixed Pines				
25	25	0	0	Red Pine				
622	622	0	0	Treed Bog				
9	9	0	0	Upland Mixed Forest				
4	4	0	0	Urban				
122	122	0	0	Water				
14	14	0	0	White Pine				
4,030	3,854	93	83	Total Forested Acres	81	12	72	11
	96%	2%	2%	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	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 117
Year of Entry: 2017

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is in middle of marsh.							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: With surrounding stands being harvested this stand is to be left until the next inventory cycle then re-evaluate possibly harvesting it.							

Report 5 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 117
Year of Entry: 2017

8	Available	2E: Road needed	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low wet ground needs to be harvested in winter or extremely dry summer. Will need a new road to access stand.							
9	Available	2E: Road needed	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low wet ground, will need to be cut in winter or extremely dry summer. A new road will be needed to access the stand.							
10	Available	2E: Road needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low wet ground, will have to be cut in winter or extremely dry summer. A new road will be needed to access the stand.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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
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Comments

Mgt. Unit

Compartment:

Year of Entry



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
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	42220 - Natural Jack Pine	Poletimber Medium	3.7	95	81-110	Stand is an island in the middle of the marsh. Mainly jack pine with red pine and black spruce along the wetter edges. Previous inventory indicated POG potential in this stand. Recommend removal of POG status.
11	42220 - Natural Jack Pine	Poletimber Medium	3.8	95	81-110	Stand is an island in the middle of the marsh. Mainly jack pine with red pine and black spruce along the wetter edges. Previous inventory indicated POG potential in this stand. Recommend removal of POG status.
12	6122 - Black Spruce	Poletimber Medium	3.5	104	51-80	Small stand of spruce out in the middle of the marsh. Access would be very difficult, stand was surrounded by low wet ground.
24	6122 - Black Spruce	Sapling Well	4.4	88	81-110	Stand was left after surrounding stand was harvested in 2009. Stand consists of mainly black spruce which is small in diameter. Some cedar mixed in with large white pine around the edges of the stand.
28	6112 - Lowland Aspen	Poletimber Medium	25.6	48	81-110	Thicker balsam fir along the grade and the stand opens up into a more aspen stand as you move south. There is white pine and spruce scattered throughout the stand with spruce, cedar and hemlock along the edges where it drops off into a lower wet area.
30	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	12.2	95	81-110	Stand is difficult to access due to low ground. Mainly consists of hemlock, pine and spruce. Stand to the north prescribed. Hold this stand for delayed treatment due to stands around being cut.
31	6122 - Black Spruce	Poletimber Well	15.8	80	111-140	Black Spruce stand with a component of small amount of Tamarack and some cedar scattered throughout. Small amount of White Pine in stand as well. Stand is wet and access is difficult.
32	6122 - Black Spruce	Poletimber Well	56.4	88	81-110	Stand is a mix of species mainly black spruce. There are some areas with some aspen and hemlock. Stand is wet and would be difficult to access.
33	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	14.6	106	Unspecified	Stand is low and wet with private to the east. Mix of lowland conifers. Some larger hemlock and white pine in the stand. Possibly old road running through stand on east end. Bordered by low wet stand to the north. Best access would be from the south through aspen stand.
34	6122 - Black Spruce	Poletimber Well	8.3	88	81-110	Small stand of black spruce with some small amounts of cedar. Stand is very wet and difficult to access. Stand is small in acreage, no retention should be left due to the small stand size and the stand to the north is being left for age class diversity.
38	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.0	87	81-110	Another stand with a wide variety of species. Stand is wet making access hard. Some nicer white pine and maple in small patches throughout stand. Possibly cut in the 50's or 60's.
40	42220 - Natural Jack Pine	Poletimber Medium	30.3	42	51-80	Mainly Jack pine with some spruce mixed in. Evidence of an old road bed was found. Main portion of the stand appeared to be lower and wetter than ridge that runs to the south. Access would be difficult to harvest the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	42220 - Natural Jack Pine	Poletimber Well	22.4	48	81-110	Jack pine ridges with some scattered white pine on the high ground and spruce where the ridges drop off into the low ground. Stand was part of sale # 054-67A. Jack Pine is decent quality but the spruce is smaller. More spruce in the southern finger of the stand.
42	42290 - Natural Mixed Pine	Poletimber Medium	22.7	46	51-80	Jack pine and spruce mix in this stand, with some red and white pine scattered throughout. Lower wet ground has more spruce types. Part of sale #002-70. Older canopy pine had older age than the smaller jack pine.
43	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	44.3	113	81-110	Stand was inaccessible due to it being across a wet marshy area. Stand is isolated but from a distance and looking at air photo's it was heavier to spruce and cedar with some larger over story white pine. Appears to have higher ground on the southern edge of the stand with more hardwoods. Borders private property to the east.
44	42210 - Natural Red Pine	Sawtimber Medium	10.0	88	51-80	Stand had jack pine removed as part of sale #002-70. Mostly red and white pine with some new jack pine coming in. Edges of stand that drop off into wetter areas have some spruce and tamarack. Some areas have patchy aspen and paper birch.
45	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	15.9	96	81-110	Stand sits near the Tahquamenon River just to the north of the McPhee's Landing boat launch. Stand is isolated and would be very difficult to access. Lies in the flood plain of the river. Stand appears to have some higher ground with larger white pine in the center. Heavier to spruce and cedar on the edges with some mixed species of red maple and paper birch scattered throughout.
51	6122 - Black Spruce	Poletimber Medium	5.4	108	51-80	Low density spruce stand with some larger white and red pine. Very wet throughout the stand, Large marsh or beaver pond to the south and it appears to be extending up into the stand.
53	6122 - Black Spruce	Poletimber Medium	4.8	108	1-50	Low density spruce stand with some larger white and red pine extending into the stand on the private to the west. Very wet throughout the stand.
56	42220 - Natural Jack Pine	Poletimber Well	38.2	47	51-80	Long narrow ridge of jack pine that was part of sale#037-69. There is some spruce and red pine along the lower wet edges after you drop off the ridge. Sparse white pine scattered throughout the stand as well.
57	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	36.0	87	51-80	Stand is very wet and would be very difficult to cut being how remote it is. There is spruce, cedar and jack pine mixed together in this stand. There is some nice diameter timber but it has a more open canopy and the basal area is smaller. The under story had a lot of leatherleaf and tag alder as well.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	4311 - Pine, Aspen Mix	Poletimber Medium	9.5	85	81-110	<p>Stand is a very mixed stand consisting of aspen, pine and spruce. Heavy balsam fir and some spruce in the understory. Like previous inventory stated the aspen is dying out with much dead or blown over and it appears that the stand is converting to more of a pine type.</p> <p>Stand should be converted to pine over the long term after the aspen has died out. Stand is difficult to access and would be hard to harvest. If it is ever harvested it should be cut with surrounding stands of jack pine.</p>
59	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	12.0	87	81-110	<p>Another stand with a wide variety of species. Stand is wet making access hard. Some nice white pine and maple in small patches throughout stand. Possibly cut in the 50's or 60's. Similar to stand 38 to the north of the Charcoal Grade.</p>
63	6122 - Black Spruce	Poletimber Well	53.0	86	51-80	<p>Stand is mainly spruce with jack pine and red pine mixed in. The south side of the road has a little smaller spruce but is close enough to be considered the same stand. Some areas have scattered tamarack and balsam fir scattered in. Higher ground is more red and jack pine.</p>
68	4130 - Aspen	Poletimber Medium	9.8	38	81-110	<p>Aspen stand appears to have been cut possibly in 1977. Smaller diameter timber. Aspen is averaging 6-7" now. Some larger scattered white pine in the stand with some spruce and trace amounts of cedar along the wet edges. Understory has some balsam and aspen coming in as well as some low density white pine. Previous inventory suggests stand was possibly part of sale #23-77A looking at ownerships cards. Sizes of the aspen vary as you move through the stand.</p>
71	6122 - Black Spruce	Poletimber Well	29.8	82	51-80	<p>Stand of spruce with some white pine mixed in. Previous inventory indicates that jack pine was cut in the surrounding areas in the late 60's. Stand is wet and is difficult to access.</p>
72	6122 - Black Spruce	Poletimber Well	4.1	82	81-110	<p>Small patch of spruce with some bigger diameters. Sparse scattered white pine around the edges. Heavier to tag alder and leatherleaf along the edges. Wet throughout stand.</p>
75	6122 - Black Spruce	Poletimber Medium	3.0	46	1-50	<p>Small spruce stand with thinly mixed red and white pine throughout. Spruce was harvested as part of sale #002-70. Stand had some higher spots but mostly low wet ground.</p>
78	6122 - Black Spruce	Poletimber Well	45.3	88	81-110	<p>Stand is primarily black spruce with components of cedar, red maple, and white pine. Stand is wet. Some Jack pine scattered along the road that go near the stand.</p>
79	42220 - Natural Jack Pine	Poletimber Medium	73.9	40	81-110	<p>Ridges of jack pine that was cut as part of sale #010-74A. Smaller diameter jack pine with some red pine and spruce as you come off the ridge and into the lower wet areas.</p>
80	6122 - Black Spruce	Poletimber Well	5.5	82	81-110	<p>Small stand of spruce and cedar with some mixed white pine.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	6122 - Black Spruce	Poletimber Well	25.6	82	81-110	Stand is mainly spruce with some cedar and tamarack scattered throughout. Some white pine mixed in as well. Eastern finger of stand had a wetter area before coming back up to a pocket of spruce. Stand has tough access and would be difficult to harvest.
83	42200 - Natural White Pine	Sawtimber Well	13.7	90	81-110	Stand has some very large white pine log sized timber in it. Long and narrow stand on some high ground. Edges drop off into lower wetter ground where spruce and some cedar is present. Some hemlock present in small pockets in the stand. Thick balsam fir understory with some bigger red maple pole sized red maple.
84	42220 - Natural Jack Pine	Poletimber Well	18.0	40	51-80	Stand from previous inventory falls in sale# 024-72A. Stand consists of small diameter jack pine and spruce as you drop off the edges into the wetter areas. Some thinly scattered paper birch and red maple throughout the stand also.
85	6126 - Lowland Jack Pine	Sapling Medium	70.5	41	111-140	Stand was part of sale # 006-70. Part of the stand that was cut looks like it was treed bog. Small diameter, low value timber throughout the stand. A little bigger and better quality along the ridge to the north and east in stand.
86	6122 - Black Spruce	Poletimber Well	15.2	79	51-80	This stand was left after adjacent stand was cut in the 60's. Stand is extremely wet and inaccessible. Small spruce low in value fill the stand. To the south the stand turns into a marshy treed bog area. Ground cover was used from old inventory due to amount of snow during inventory.
87	42350 - Upland Hemlock	Sawtimber Well	84.9	124	81-110	Stand has large white pine and hemlock in it. Log/Xlog size timber in the stand. Some black spruce and red maple scattered throughout stand. Aged the stand and from the ring count from what could be determined was around 120 years old. Past guidance suggests if harvested possibly experiment with regeneration techniques for successful Hemlock regeneration.
88	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	11.8	113	81-110	Examined from the edge to the north, this stand had standing water and was to difficult to access completely. Looking at it from the edge the stand has mainly black spruce with red maple mixed in. Some larger white pine and heavier cedar pockets in the lower areas. Stand would be nearly impossible to access to cut due to being so wet.
89	6122 - Black Spruce	Poletimber Well	6.4	77	81-110	Mainly spruce in the stand with some scattered red maple and balsam fir. Few scattered white pine in the stand. Timber was patchy, areas are heavy and other areas are fairly thin in basal area.
90	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.9	82	111-140	Stand is low and wet with a mix of larger white pine and red maple. Tag alder heavily present in the wet areas. Balsam fir is thick throughout the stand but thins out as you move away from the wetter areas. Some hemlock scattered throughout the stand with some small amounts of paper birch.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
91	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	13.2	89	81-110	Patches of thick cedar throughout the stand. Maple is clumpy and scattered throughout but not a lot of larger size. Hemlock around the edges of the lower areas with some sparse spruce. Previous Inventory indicated possible cutting in the late 50's. Access from the east.
92	6139 - Mixed Lowland Forest	Poletimber Medium	21.7	95	51-80	Stand is low and wet. Better quality timber where the higher ground is located. Low quality timber throughout the whole stand. A significant amount of dead birch(paper & yellow). There is some black ash mixed in the stand along with some larger hemlock.
93	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	59.4	92	Unspecified	Another stand with a wide variety of species. Stand is wet making access hard. Some nicer white pine along western compartment line. Possibly cut in the 50's. Larger hemlock and white pine in the stand in the higher elevations. Lower areas have higher percentage of spruce and cedar. Stand had standing water when visited.
94	42220 - Natural Jack Pine	Poletimber Medium	65.7	47	51-80	Long narrow ridge of jack pine that was cut in the late 60's as sale #037-69. Red pine and spruce were left along the edges of the stand. Some sparse aspen and paper birch throughout and occasional white pine. Road run through most of the stand.
95	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	110.8	104	81-110	Stand is mostly hemlock with areas of red maple and white pine mixed in. Stand is low ground and some areas had standing water. Spruce and cedar along edges of the wetter areas. Previous Inventory indicates cutting took place in the late 50's.
96	6122 - Black Spruce	Poletimber Medium	25.3	108	51-80	Spruce stand with some jack and red pine on the higher sites. Heavy tag alder along the low wet spots. Difficult access due to very wet nature of the stand.
98	6122 - Black Spruce	Sapling Well	8.3	40	51-80	Stand was part of sale # 003-74. Stand mainly spruce with some jack pine. Some paper birch and white pine scattered throughout the stand. Difficult access due to being wet lower ground.
99	6122 - Black Spruce	Poletimber Well	101.8	77	81-110	Mainly spruce in the stand with some scattered red maple and balsam fir. Few scattered white pine in the stand. Timber was patchy, areas are heavy and other areas are fairly thin in basal area.
100	6122 - Black Spruce	Poletimber Well	9.7	80	81-110	Small stand of spruce in the middle of a hemlock spruce stand. Some mixed in white pine.
101	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	15.1	84	1-50	Stand was originally cut in 2007 and finished in 2009 as part of Sale #018-07-01. This portion of the sale had more hemlock, white pine, and cedar in it that was left. Stand was originally aspen and more red pine but appears to be converting more to white pine and spruce after the cutting.
104	4136 - Aspen, Mixed Conifer	Poletimber Medium	5.0	40	51-80	Stand was cut in 74'-75'. Sale # 30-74A part of sale was in C114. Stand has aspen with balsam and larger white pine.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
105	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	64.2	88	81-110	
106	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	65.4	88	81-110	Stand is a mixed bag with spruce and red maple the most dominant. More prevalent aspen to the eastern side of the stand but its scattered throughout almost the whole stand. Some small pockets of pure black spruce within the stand as well. Some small amounts of black ash and paper birch also scattered throughout the stand as well.
107	6139 - Mixed Lowland Forest	Poletimber Well	70.2	88	111-140	Stand is low and wet with a mix of larger white pine and red maple. Tag alder heavily present in the wet areas. Balsam fir is thick throughout the stand but thins out as you move away from the Charcoal Grade. Some hemlock scattered throughout the stand with some small amounts of paper birch.
108	42210 - Natural Red Pine	Sawtimber Medium	14.6	91	111-140	Ridge of red pine with some pockets of jack pine and scattered white pine. Varying size red pine but majority of it is larger size. Old road bed enters stand from the west according to previous inventory. Access is an issue due to wet ground. Part of the stand was part of sale #003-74.
109	6122 - Black Spruce	Poletimber Medium	4.8	51	51-80	Open spruce stand very wet.
111	42220 - Natural Jack Pine	Poletimber Well	23.2	47	Unspecified	Stand of Jack pine mixed with spruce along the edges of the wet areas. Some scattered white pine throughout the stand. Signs of old roads in the stands. Access would be difficult to cut this stand.
113	6122 - Black Spruce	Poletimber Well	12.1	82	81-110	Stand of spruce with some cedar and white pine scattered throughout. Evidence of old roads seen when on snowmobile. Remote access will make this stand difficult to access and harvest. Stand is also wet low ground. No retention should be left due to the small stand size.
114	6122 - Black Spruce	Poletimber Well	33.2	96	81-110	Stand is mainly spruce with some white pine throughout and the southern edges have some trace amounts of red pine that bleed in from the stand to the south. Stand would be hard to cut and access due to location and cost of building a road may outweigh the timber value.
123	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	51.4	92	81-110	Stand is a mixed bag of species. Some small amounts of Black Ash in the stand as well. Snowmobile Trail borders southern edge. Stand is very wet throughout. Timber sizes vary throughout and most of the timber is low quality.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	500 - Water	5.6	No	
2	500 - Water	3.4	No	
3	6229 - Mixed lowland shrub	4.3	No	
4	500 - Water	47.0	No	
5	622 - Lowland Shrub	17.9	No	
6	6229 - Mixed lowland shrub	286.5	No	There are portions of this stand that Auger Creek flows through but the crick is too small to be mapped with the the oxbows and small tributaries that go in and out of the stand.
7	6239 - Mixed Emergent Wetland	864.2	No	Stand is vastly open marsh with a few scattered pockets of timber throughout. Thicker to tag alder along the Tahquamenon River.
8	500 - Water	0.8	No	
9	6229 - Mixed lowland shrub	2.5	No	
13	330 - Low-Density Trees	1.7	No	Island of small trees and shrubs surrounded by marsh and lowland shrub.
14	500 - Water	10.0	No	
15	500 - Water	1.6	No	
16	500 - Water	23.6	No	
17	6229 - Mixed lowland shrub	10.0	No	Check the cover type definition
18	6229 - Mixed lowland shrub	120.6	No	There are portions of this stand that Auger Creek flows through but the crick is too small to be mapped with the the oxbows and small tributaries that go in and out of the stand.
19	6229 - Mixed lowland shrub	8.0	No	
20	622 - Lowland Shrub	3.5	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
21	500 - Water	15.5	No	
22	500 - Water	2.7	No	
23	6229 - Mixed lowland shrub	4.3	No	
25	3302 - Low Density Conifer Trees	11.1		Same timber sale as stand 36. Larger white pine were left and smaller seedlings are beginning to take hold in the sale. Stand is wet. Stand was previously harvested and is regenerating. Sale #018-07-01. Finished 12/07/2009
26	6224 - Treed Bog	16.0	No	Stand is wet and flooded with some small seedlings on the higher ground.
27	6224 - Treed Bog	226.3	No	
29	6229 - Mixed lowland shrub	25.7	No	Stand was coded as marsh last cycle. There are low amount of trees surrounded by water and bordered by Auger creek to the north. Small diameter timber with low value.
35	6224 - Treed Bog	7.7	No	Treed bog, very wet.
36	3302 - Low Density Conifer Trees	7.6		Stand was previously cut. Small seedlings are coming in with large over story white pine that were left. Ground is wet. Sale #018-07-01. Finished 12/07/2009
37	3302 - Low Density Conifer Trees	21.7		Stand was cut as part of sale #018-07-01. Hemlock, white pine, and cedar were left. Originally stand was a spruce stand. Small seedlings and regeneration were present coming up through the snow and stand is regenerating to a white pine, spruce, and balsam stand it appears.
39	6224 - Treed Bog	95.7	No	This stand is a treed bog with some thicker spot of timber throughout. Extremely wet throughout entire stand.
46	330 - Low-Density Trees	40.3	No	River flood plain of the Tahquamenon River. Low density trees mixed with lowland shrubs.
47	500 - Water	12.3	No	
48	6224 - Treed Bog	19.2	No	
49	6229 - Mixed lowland shrub	20.8	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
50	6229 - Mixed lowland shrub	7.4	No	Wet low ground stand. Sparse trees throughout mainly black spruce and tamarack.
52	6229 - Mixed lowland shrub	3.2	No	
54	6224 - Treed Bog	7.0	No	
55	6224 - Treed Bog	122.4	No	Stand has pockets and single trees scattered throughout mainly consisting of black spruce and tamarack with areas of tag alder along the wetter areas. Some standing water in a few places observed when in the field. Some single and small clumps of large white pine on the higher sites in the stand.
65	6224 - Treed Bog	8.1	No	Wet stand with some timber throughout. Drainage that appears to flow to the east and dry up.
66	6229 - Mixed lowland shrub	102.9	No	Scattered trees throughout the stand but it mainly consists of small shrubs and clumps of willow.
69	6224 - Treed Bog	44.7	No	Treed marsh with low density scattered trees. Was looked at when full of snow.
70	6224 - Treed Bog	39.3	No	Scattered small diameter, low quality trees. Heavy to lowland shrubs with water throughout.
74	6224 - Treed Bog	14.8	No	
81	6229 - Mixed lowland shrub	3.2	No	
102	3302 - Low Density Conifer Trees	16.7		Stand was cut in 2007 and finished in 2009. Sale was #018-07-01. All white pine and cedar were left. Regeneration is coming in throughout the stand but it is a very open stand still missing a mature canopy overhead.
103	622 - Lowland Shrub	13.6	No	
110	6224 - Treed Bog	15.7	No	
116	6224 - Treed Bog	0.8	No	Low wet stand with small unmerchantable timber,
117	122 - Road/Parking Lot	3.9	No	Road that runs through the compartment. Charcoal Grade.
118	6224 - Treed Bog	4.8	No	Small diameter timber scattered throughout the bog. Some larger trees along the edges and in clumps.