



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42115

Entry Year 2020

Acreage: 1,921

County Luce

Management Area: Tahquamenon Basin Wetlands

Revision Date: 2018-08-30

Stand Examiner: Kyle Reidenga

Legal Description:

T46N R09W sections 16 - 18

Identified Planning Goals:

Promote multiple aged and diversified tree species where possible to improve timber quality and conditions for wildlife species. Retain/enhance the quality of recreational uses of the area. Provide for consistent, sustainable wood fiber production over the long term.

Soil and topography:

Extensive lowland, organic soils. Flat, poorly drained with year round ponds and seasonally ponded areas. Multiple drainages throughout. Isolated, narrow high ground ridges.

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

Overall, contiguous state ownership is adjacent to the compartment. The compartment is heavily used in the winter time by snowmobiles. Active timber management is ongoing on a small scale due to extremely limited access and availability.

Unique Natural Features:

None Identified

Archeological, Historical, and Cultural Features:

None Identified

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Fisheries Values: Good-to-Excellent

The Tahquamenon River supports natural populations of northern muskies, northern pike, walleye and perch, with enough natural forage minnows and suckers to keep the whole community stable. Sixteen Creek is a designated trout stream supporting a natural population of Brook Trout. Standard BMP's should apply along the Tahquamenon River, while further protection should be considered along Sixteen Creek.

Wildlife Habitat Considerations:

Compartment 115 lies in central Luce county and is in the Seney Sand Lake Plain ecological sub-subsection and lies in the Tahquamenon River Basin Wetlands Management Area. Featured species for this management area include white-tailed deer, black bear, snowshoe hare, and gray jay. The Tahquamenon River lies along the south edge of the compartment and serves as an excellent wildlife travel corridor. Numerous creeks and drainages occurring in the compartment also provide valuable travel corridors for wildlife. Lowland conifer types and treed bogs dominate the compartment with a few birch, hardwood and aspen stands being scattered throughout.

Harvesting that will occur in the compartment will buffer creeks and drainages to protect wetland types and wildlife habitats. Lowland harvests will watch for vernal pools in stands and protect them as needed. Moose, white-tailed deer, black bear, bobcat, snowshoe hare, fisher, otter, and mink will use this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are located just over three miles to the southwest, but sand & gravel potential within the

compartment appears to be limited. There is no known metallic mineral potential in this area, and there is no potential for economical production oil and gas in the UP.

Vehicle Access:

The Charcoal Grade is a well graveled road and the Sixteen Creek Road is also of fair quality. Beyond these roads, there is extremely limited to no road access into the interior of the compartment.

Survey Needs:

Sec 18 S 1/16th between 13&18.
Sec 18 SW 1/16th.
Sec 18 S 1/16th.

Recreational Facilities and Opportunities:

None

Fire Protection:

Large fire runs are not likely because of lowland types. Private property risk would be low, because of low intensity surface fires that may occur. Poor access with wheeled equipment may require alternate suppression tactics.

Additional Compartment Information:

The following reports from the Inventory are attached:

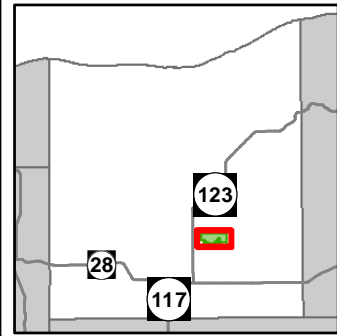
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

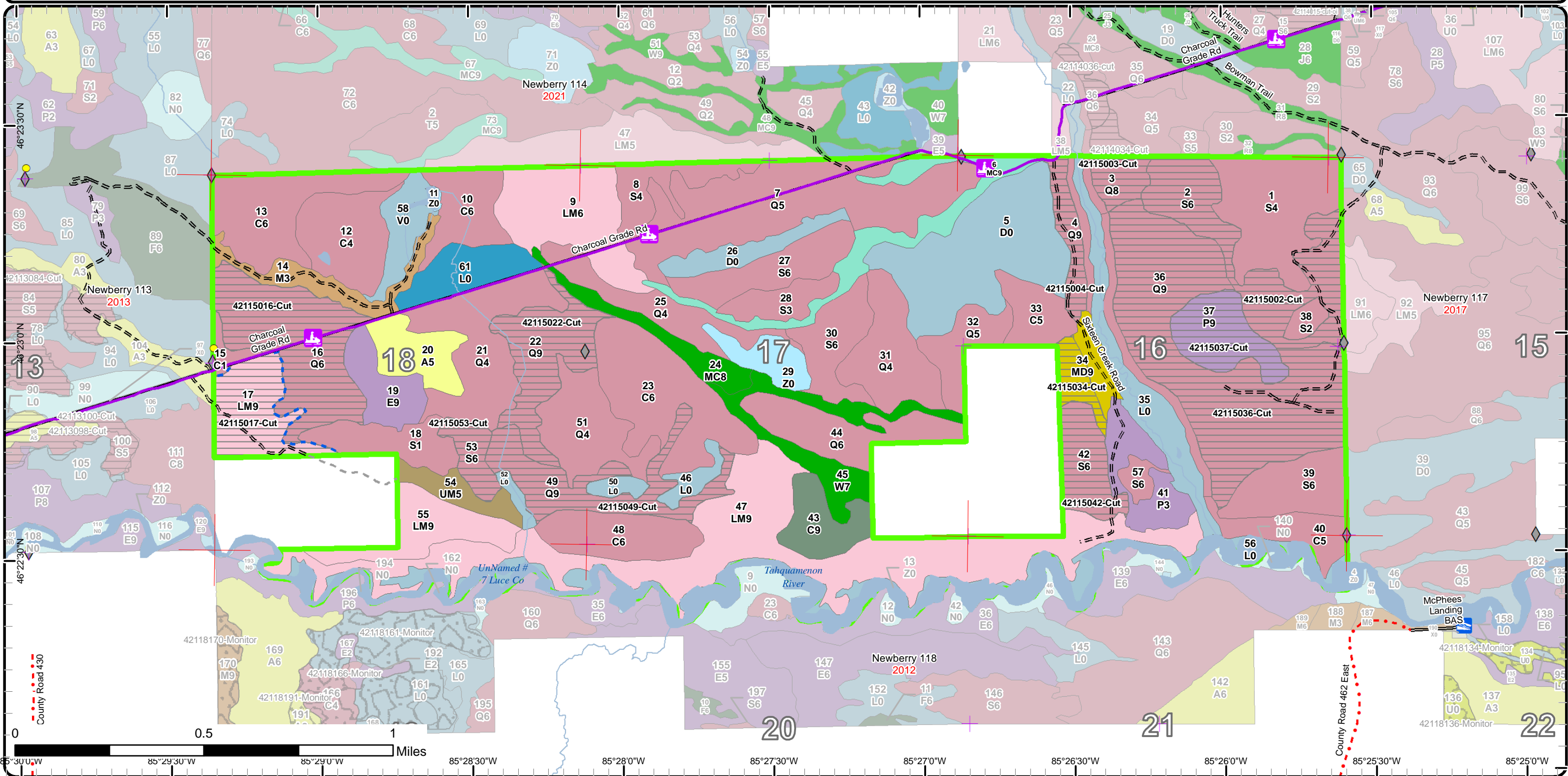
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 115
 T46N, R09W, Sec. 16-21
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin
 Wetlands
 YOE: 2020
 Acres: 1,921 GIS Calculated
 Examiner: Kyle Reidenga
 Map Revised: 4/23/2019
 Map Phase: Post-Review

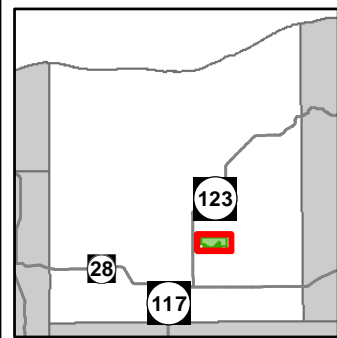


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Boating Access Site
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

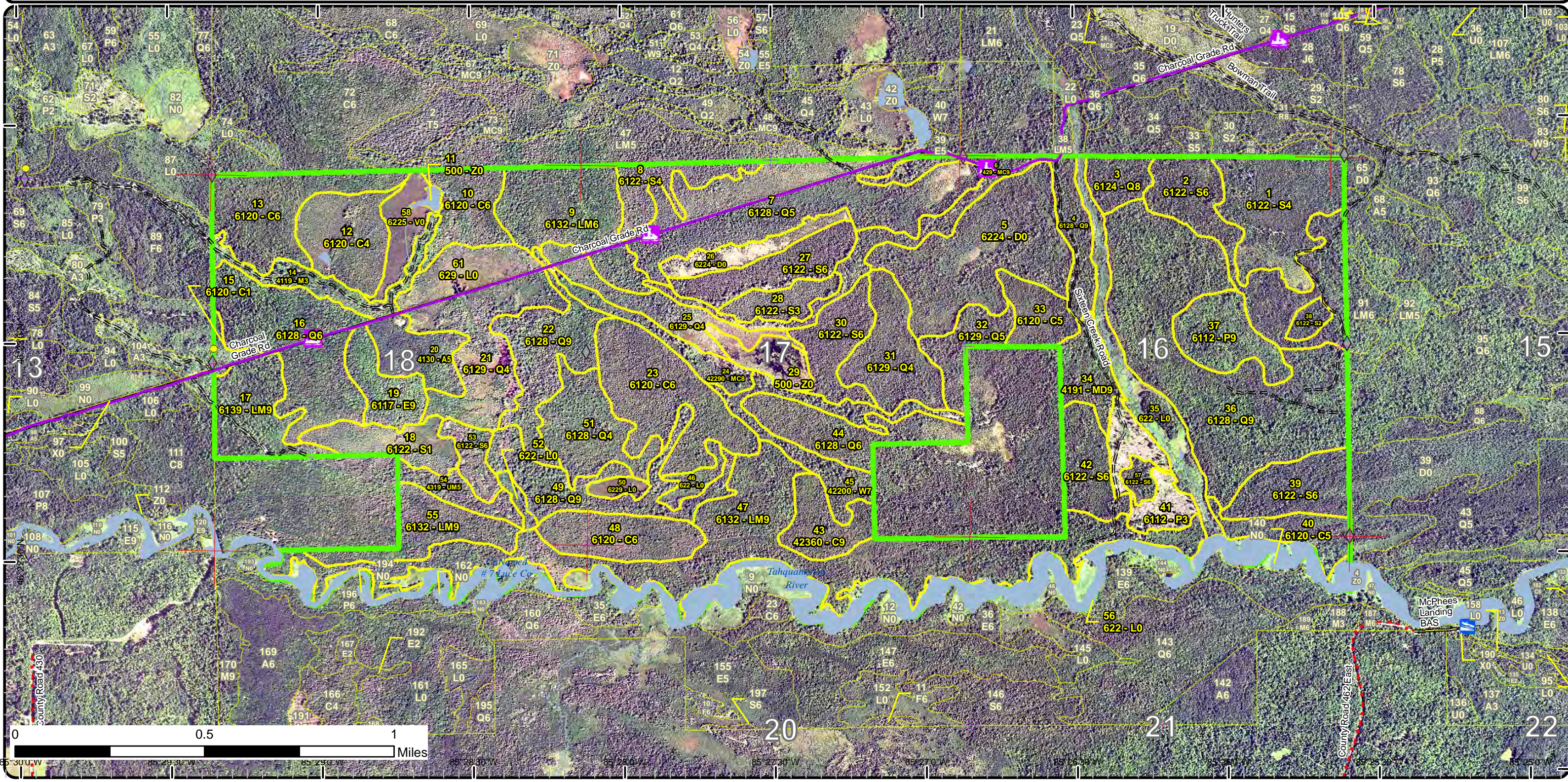


Stand Boundary Map

Compartment: 115
 T46N, R09W, Sec. 16-21
 County: Luce
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 Wetlands
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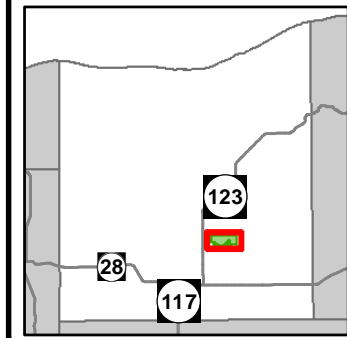


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- Lake/Pond
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- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- 411 - Northern Hardwood
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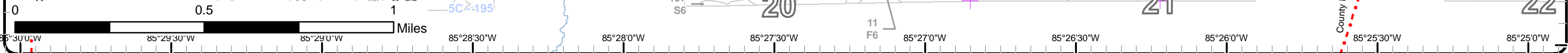
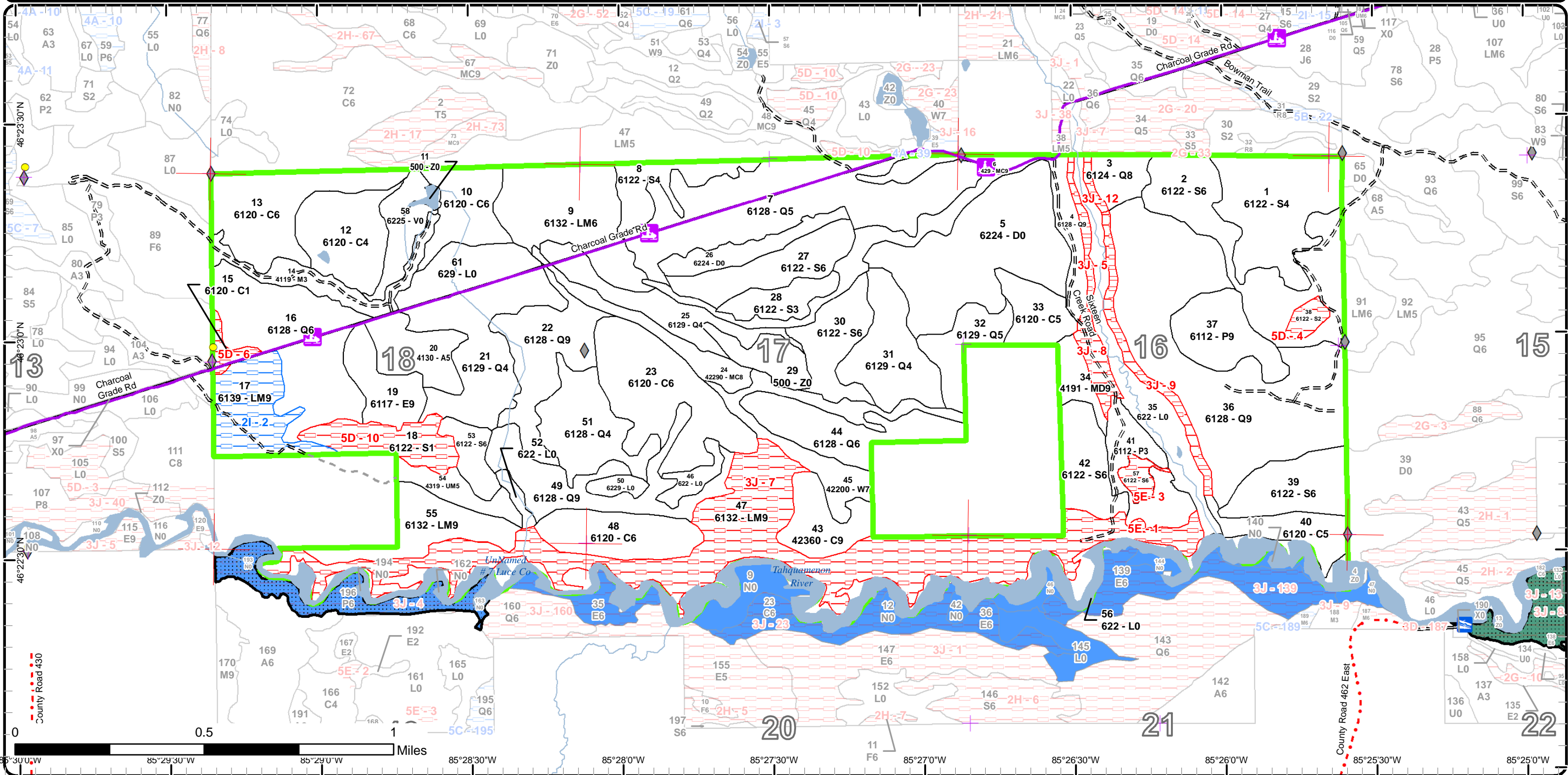


Special Conservation Areas & Site Conditions Map

Compartment: 115
 T46N, R09W, Sec. 16-21
 County: Luce
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- Snowmobile Trails
- Designated Snowmobile Trails
- Boating Access Site
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Riparian Area
- Habitat Corridor



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 115 Year of Entry 2020

Kyle Reidenga : Examiner



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	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Bog	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Cedar	0	0	0	0	0	0	82	68	17	80	0	5	0	0	0	0	0	0	252
Lowland Aspen/Balsam Poplar	0	24	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	52
Lowland Conifers	0	0	0	0	0	0	96	113	84	59	13	0	0	0	0	0	0	251	616
Lowland Deciduous	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	20
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264	264
Lowland Shrub	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139
Lowland Spruce/Fir	0	0	0	0	14	0	28	82	76	96	0	0	0	0	0	0	0	0	295
Mixed Upland Deciduous	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	19
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Northern Hardwood	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Treed Bog	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Upland Conifers	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	34
Upland Mixed Forest	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	13
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30
Total	266	24	21	0	36	0	238	263	259	265	30	5	0	0	0	0	0	515	1921



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 115

Total Compartment Acres: 1,921

Commercial Harvest - 437

Harvests with Site Condition - 33

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 Aspen/Balsam Poplar	28	0	0	0	0	0	0	0	0	28
Lowland Conifers	304	0	0	0	0	0	0	0	0	304
Lowland Mixed Forest	33	0	0	0	0	0	0	0	0	33
Lowland Spruce/Fir	96	0	0	0	0	0	0	0	0	96
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Total	470	0	0	0	0	0	0	0	0	470

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	470	0	0	0	0	0	0	0	0	470
Next Step	0	0	0	0	0	0	470	0	0	470
Total	470	0	0	0	0	0	470	0	0	939



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
34	42114034-Cut	6.1	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	89	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition: Too Wet**

Prescription Clearcut with Retention. Harvest all species except hemlock and white pine. Also leave 100' buffer along the 16 Creek. This will serve as patch retention.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Spruce, balsam, cedar, hemlock, white pine and associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

2	42115002-Cut	60.5	6122 - Black Spruce	Poletimber Well	86	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Harvest all species except white pine and any hemlock. Stand is situated on mostly low ground although there is some uplands mixed in. Spruce has decent quality and beginning to show signs of decline. Treatment area will likely be smaller than than stand area. Spruce gets smaller on eastern edge. Leave submerchantable spruce as retention. Stand will need to be harvested in the winter due to lowland soil types. Harvest with adjacent stands.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Spruce and its associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

3	42115003-Cut	11.1	6124 - Lowland Spruce-Fir	Sawtimber Medium	91	81-110	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with Retention. Harvest all species except hemlock and white pine. Also leave 100' buffer along the 16 Creek corridor. This will serve as patch retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black Spruce, White Cedar, White Pine, Hemlock, Balsam Fir, Red Maple, and Paper Birch

Regen:

Other Stand is situated on mostly lowland terrain mixed with some uplands. Winter logging would likely be necessary along with the use of crane mats to cross lowland areas when accessing stand. A temporary logging road would be necessary to access the stand leading from the North off of Charcoal Grade. Possibly schedule a portion of stand 34 for the temp access road location.

Comment:

Proposed Start Date: 10/1 /2019

4	42115004-Cut	13.6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Harvest all species except white pine and hemlock. Leave a 100' buffer along 16 Creek to mitigate fisheries concerns.

Specs:

This buffer will serve as patch retention.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Spruce and other lowland conifer associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
16	42115016-Cut	65.0	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	81	141-170	Harvest	Clearcut with Retention	6139 - Mixed Lowland Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Leave all hemlock, white pine, yellow birch. Also leave patch retention around quality cedar pockets, these are decent pole sized cedar trees, leave no more than 10% retention. Leave pocket retention of cedar rather than scattered due to wet soil types. The treatment size may be smaller than what is prescribed due to buffering and retention. Winter harvest due to wet soil types.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable White Cedar, Black Ash, Paper Birch, Black Spruce, and Red Maple.

Regen:

Other Has good White Cedar regeneration in understory, and Black Ash in areas.

Comment:

Proposed Start Date: 10/1 /2019

17	42115017-Cut	32.8	6139 - Mixed Lowland Forest	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Clearcut with retention. Harvest all species except white pine, hemlock and yellow birch. Leave patch retention as well around the the drainage that is in the stand to serve as a buffer. Leave a component of mature aspen in the red line as it exists, there may be some in the NW corner of stand. The treatment acreage will be smaller than the stand acreage due to the buffer/retention. Winter harvest will likely be necessary due to low wet soil types.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Paper Birch, Black Ash, Red Maple, along with other associated species such as spruce, balsam, cedar, hemlock, white pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

22	42115022-Cut	39.9	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	81	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Harvest all spruce, balsam, cedar, paper birch, red maple, black ash. Leave all white pine, hemlock and yellow birch. Leave patch retention focusing this retention around the intermittant drainages that occur through the stand, leave 100' buffer on N/S creek that drains along west edge of stand. The final treatment acres will be smaller than the stand acres due to this retention. Winter harvesting will be necessary due to lowland soil types. Crane mats will likely be necessary to cross drainages for access.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Lowland conifer and associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
34	42115034-Cut	9.8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	51	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Leave all hemlock and white pine. 300' buffer along 16 creek due to aspen component to mitigate fisheries concerns.

Specs: Buffer will be considered patch retention.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Current species mix; red maple, aspen, birch, ash, spruce, balsam, hemlock, cedar and white pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

36	42115036-Cut	134.0	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with Retention. Harvest all species except hemlock, white pine and yellow birch. Leave 100' buffer along 16 Creek, this will also serve as patch retention. Attempt to leave any cedar pockets in tact that are in this 100' buffer area. Buffer any intermittent streams in stand that may be present. Stand size will likely get smaller after buffer/retention pockets are in place. Stand will need to be harvested in the winter due to lowland soil types present in stand. A temp access road will need to be constructed to harvest stand. Crane mats may be needed to bridge wet areas.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Spruce, Hemlock, Cedar, White Pine, Balsam, Red Maple, Paper Birch, Yellow Birch.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

37	42115037-Cut	27.8	6112 - Lowland Aspen	Sawtimber Well	71	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Harvest all species present. Leave white pine and hemlock. Harvest will likely have to occur in the winter due to lowland areas within the stand. Harvest stand with adjacent stands. A temp access road will need to be constructed.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen, maple, birch, spruce, balsam, white pine, hemlock, cedar.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

42	42115042-Cut	23.6	6122 - Black Spruce	Poletimber Well	81	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut with patch retention. Leave White Pine and Hemlock. Stand would need to be harvested in the winter due to wet soil types. Buffer any intermittent drainages that may be present. The stand acreage will likely be smaller due to patch retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black Spruce, Tamarack, White Pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
49 42115049-Cut	40.0	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	86	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Clearcut with retention. Harvest all spruce, balsam, cedar, red maple, paper birch, black ash. Leave all white pine and hemlock. Leave patch retention around drainages to protect then integrity of the drainage. Leave a 100' buffer on N/S running creek that occurs on west end stand.
Specs: Acreage of treatment will be smaller than the stand due to necessary retention. Stand will need to be harvested in the winter due to wet soil types.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Lowland conifer with associated species.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

53 42115053-Cut	11.4	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention. Harvest all species with except white pine and hemlock. There is a drainage in a portion on the stand. Leave a 100' buffer the drainage, this will be considered patch retention. The final treatment acres will likely be smaller due to necessary buffering. The stand will be difficult to access. Would be best to harvest with adjacent stand to north and east. Optional access may be through private land to west permission will ne necessary. Crane mats or a small bridge may be necessary to access the stand from the east. Stand will need to be harvested in winter due to wet soil types.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Black spruce and other associated species.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 475.6

Report 4 – Site Conditions

Newberry Mgt. Unit
Kyle Reidenga : Examiner

Compartment: 115
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		2I	4A	2G	2H	3J	5D	5E	
22	22	0	0	Aspen								
16	16	0	0	Bog				0				
251	247	0	5	Cedar				0	0	5		
52	51	0	1	Lowland Aspen/Balsam Poplar					0			1
616	597	0	19	Lowland Conifers		0			19	0		
20	20	0	0	Lowland Deciduous								
264	80	33	151	Lowland Mixed Forest	33					151		0
139	139	0	0	Lowland Shrub						0		0
295	263	0	33	Lowland Spruce/Fir			0		0	28	5	
19	10	0	9	Mixed Upland Deciduous						9		
17	17	0	0	Natural Mixed Pines								
21	21	0	0	Northern Hardwood								
95	95	0	0	Treed Bog								
34	34	0	0	Upland Conifers		0				0		
13	13	0	0	Upland Mixed Forest						0		
16	16	0	0	Water								
30	30	0	0	White Pine						0		
1,921	1,670	33	218	Total Forested Acres	33	0	0	0	180	32	6	
	87%	2%	11%	Relative Percent								

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available	2I: Survey needed	33	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Newberry Mgt. Unit
 Kyle Reidenga : Examiner

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3	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5D: Unproductive Forest Land	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sapling sized Black Spruce in a bog area.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5D: Unproductive Forest Land	5	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	151	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Kyle Reidenga : Examiner

Compartment: 115
 Year of Entry: 2020

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5D: Unproductive Forest Land	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

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
Comments				



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 Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	Poletimber Poor	52.3	71	1-50	Stunted Black Spruce and Tamarack. Dead White Cedar with some saplings coming in. Very wet. Bigger DBH trees dying out. Scattered higher ground ridges with w pine. Leatherleaf and winterberry. Soil: Spot - Dawson peats
2	6122 - Black Spruce	Poletimber Well	60.5	86	51-80	Aspen is dying out of stand. Pockets of low ground. East side has lower quality and smaller diameters. Some drainages coming out of Stand 1. Associated w pine and cedar. If Stand 37 is ever treated, possibly consider prescribing this stand at same time. Soil: Spot-Finch complex
3	6124 - Lowland Spruce-Fir	Sawtimber Medium	13.4	91	81-110	Stand is situated on lowland terrain mixed with uplands. Pockets of Tag Alder in lowland.. Low Quality Red Maple. More White Cedar by creek. Big White Pine on East side. Nice Black Spruce. Soil Spot-Finch complex
4	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	18.7	81	81-110	Dead and dying Quaking Aspen. Lowland to creek. Tag Alder closer to creek. Ridge by road sloping down to creek. Soil: Spot-Finch complex
6	429 - Mixed Upland Conifers	Sawtimber Well	33.5	71	81-110	Narrow ridge with lowland on both sides. More Black Spruce by snowmobile trail. Lowland species creeping in. Some scattered White Cedar. Edges leading to low ground have good to fair Black Spruce. Soil: Rousseau - Spot complex
7	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	93.8	66	51-80	East finger dead and dying Black Spruce and Tamarack. Scattered big White Pine. Some good Black Spruce on East side. North of trail is very Stunted Black Spruce. South of trail has beter Black Spruce but also still dying. Pockets of Tag Alder sacttered in whole stand. Not very productive stand on east side. west side of stand does have better timber. Most of the Paper Birch is next to the trail.
8	6122 - Black Spruce	Poletimber Poor	18.7	74	1-50	Scattered Red Maple, wet ground. Thick understory with Open Tag Alder pockets. More White Cedar in the Southern part, more Black Spruce in the North. Some Paper Birch in the South as well.
9	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	50.9	65	81-110	Sapling Sized Black Ash. Few big White Pine. Very wet ground. Sparce Hemlock. Smaller diameters on East side. Some log sized White Cedar and Red Maple on West side. Could maybe be split in two different stands (a small section on East from the rest of the stand to West). Appears to have been cut approx 40 yrs ago
10	6120 - Lowland Cedar	Poletimber Well	24.2	66	141-170	Lots of blow overs by pond. Lots of creeks and drainages. Bigger diamerters near pond. Random hemlock near Northern part of stand. Trace of big White Pine (16"+ DBH). The bigger spruce in stand is starting to die.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	6120 - Lowland Cedar	Poletimber Poor	33.7	53	1-50	Big White Pine in spots. Black Spruce starting to die out. Varrible density and hieghts. Most of the stand in poor quality. Lots of drainages and small bogs. High ground ridge runs through the middle of the stand with White Pine, Balsam Fir, Paper Birch and White Ced on it.
13	6120 - Lowland Cedar	Poletimber Well	43.4	61	141-170	Some saw log sized White Cedar and Black Spruce. Few Yellow Birch and Hemlock. Smaller Diameters in North East finger. Most of the stand is fairly wet.
14	4119 - Mixed Northern Hardwoods	Sapling Well	20.6	17	Immature	Some big White Pine. Upland ridge with lowland around it, most of it is unmerchanable. Soil: Rousseau - Spot complex
15	6120 - Lowland Cedar	Sapling Poor	4.8	101	1-50	Mostly Sapling size. Bigger Pole sized White Cedar are dead or dying. Paper Birch is mostly along snowmobile trail. Very wet ground. Little merchanable timber. tag alder, scattered ced, tam, w birch b ash.
16	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	65.0	81	141-170	Good White Cedar and Balsam Fir regen. Some log sized White Cedar. Big Red Maple throughout stand. Some Quacking Aspen. Big Hemlock in North. Less White Cedar in the North portion, more Paper Birch and Red Maple. Black Ash South of Trail. Small pockets of declining Black Spruce south of trail. Very wet ground.
17	6139 - Mixed Lowland Forest	Sawtimber Well	32.8	81	81-110	Stand is multi-aged, a lot of sapling sized trees of variable species. Stand has an upland ridge where the road is located flanked by low wet soil types. There is a small drainage generally running N/S through stand east of ridge. Cedar growing in lowlands around drainage. Soil: Rousseau - Spot complex
18	6122 - Black Spruce	Sapling Poor	22.5	61	1-50	Varrible density, poor quality. Not many merchandable trees. edges more dense then the middle. Tag Alders on West side.
19	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	20.2	71	81-110	Few big Black Spruce and Aspen and White Pine, Random White Cedar in stand as well. Soil: Spot- Finch complex
20	4130 - Aspen	Poletimber Medium	21.8	39	Unspecified	Pockets of thick Black Spruce and Balsam Fire, Few White Cedars. Decent ground to harvest on. soil: Spot - Finch complex
21	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	50.3	77	1-50	Dying White Cedar. Verry wet. Pockets of thick Black Spruce. Some big White Pine. More Tag Alder on North side. Small ridge through middle of stand with thicker better timber. Access is limited.
22	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	39.9	81	51-80	Mixed lowland conifer/hardwoods. Dying Black Spruce. Regen is variable density, most balsam fir. Stand is mostly lowland with some upland ridges mixed throughout. Lowland areas of stand are wet soil types with some intermittent drainages. Soil:Spot - Finch complex



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6120 - Lowland Cedar	Poletimber Well	58.7	81	111-140	Big Hemlock. Red Maple and Black Spruce on edge. Pockets of thicker Balsam Fir and White Cedar. Some of the Black Spruce is dying out.
24	42290 - Natural Mixed Pine	Sawtimber Medium	17.2	91	51-80	On a ridge line. Big White Pine and Red Pine on South East side. Road through it is very narrow. Some White Cedar right by snowmobile trail. Soil: Rousseau-Spot complex
25	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	26.4	56	1-50	East side looks like it could be full of water in the summer. Lots of die back. Stunted trees. White Cedar on North West side. Some random Paper birch scattered.
27	6122 - Black Spruce	Poletimber Well	28.1	58	81-110	Some log sized Black Spruce. Limited access. Some bigger White Pines. Few Red Maple, Juniper and Leather Leaf in understory. Doesn't seem to be too wet.
28	6122 - Black Spruce	Sapling Well	14.3	35	1-50	Small ridge between this stand and 27, with log and XLog sized White Pine. Lots of unmerchantable Black Spruce. Small White Pine in stand.
30	6122 - Black Spruce	Poletimber Well	25.2	68	111-140	Wet ground. Beaver pond to the West. Some log sized Black Spruce, no die back. Few scattered White Pine and Paper Birch. More White Pine in the North. Creek/multiple drainages flow out of stand 29, flowing W - E and through S part of stand. Access is difficult.
31	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	35.5	56	1-50	Low ground. Lots of Tag Alder. Few merchantable trees. Lots of understory. mix stand of ced, tam b spruce. Tag alder understory. Associated w birch, w pine. Wet ground.
32	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	19.2	69	51-80	Pockets of Log sized White Cedar. Lots of sapling sized trees. Higher ridge by Stand 5 has better timber, some Red Pine and big White Pine on ridge.
33	6120 - Lowland Cedar	Poletimber Medium	17.3	74	1-50	Really wet, has a creek from trail through middle. Taller Black Spruce. Poor quality White Cedar. Better quality on edges.
34	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	18.8	51	81-110	Big Tooth Aspen mostly by road. Ridge in the North half has more Quaking Aspen. Some Hemlocks scattered. A few Yellow Birch by road. Heavier pine component near private line. Low land on the south of stand. East side gets some Tag Alders by Stand 35. Soil: Rousseau - Spot complex
36	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	146.1	81	81-110	Pockets of wet ground with Tag Alders. Some scattered Black Ash. Pockets of thick Black Spruce poles. Thick pine component near Stand 35. Some high ridges throughout stand, Red Pine/White Pine/Jack Pine on ridges. Veins of heavy Hemlock in Southern portion of stand. Pockets of really wet areas. South East of stand is heavier to lowland conifer with White Pine on scattered high ground ridges. Soil: Rousseau - Spot complex



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	6112 - Lowland Aspen	Sawtimber Well	27.8	71	81-110	Aspen is overmature and dying, some is already dead. Bigger White Pine on edges. Pretty good Red Maple. Pockets of Black Spruce. Pockets of good Quaking Aspen. Blow downs present. Stand is situated on lower ground mixed with uplands. Soil : Spot - Finch complex
38	6122 - Black Spruce	Sapling Medium	5.0	61	1-50	Most of the trees are Sapling sized. Wet ground. Red Maple mostly on edges. Pockets of more open canopy with Tamarack saplings in them. Some of the Black Spruce is stunted from the wet soil. Soil: Spot-Dawson peats
39	6122 - Black Spruce	Poletimber Well	28.6	69	51-80	Smaller diameters in middle of stand. Good quality Black Spruce. White Cedar in the middle southern portion. Winterberry throughout. Soil: Tawas - Spot - Finch complex
40	6120 - Lowland Cedar	Poletimber Medium	18.3	56	51-80	Tag Alders mostly in the North portion. More Red Maple near Tahq River, more open canopy as well. Bigger and more Paper Birch on West end. Soil: Tawas-Spot-Finch complex
41	6112 - Lowland Aspen	Sapling Well	24.0	5	Immature	Red and White Pine left from last cutting. Thick Quaking Aspen and Red Maple, some Balsam Fir and Black Spruce as well. Wet ground, some Cat Tails in pockets. Regen is fully stocked. Old Inventory: MO is for b spruce, secondary for Asp, and w pine. Expect pockets of aspen to regenerate. Cut in 2014 - 16 Creek Spruce (42-037-10-01).
42	6122 - Black Spruce	Poletimber Well	23.6	81	51-80	Few White Cedar in North portion. No Black Spruce die back yet. Some scattered Paper Birch. Pockets of wetter soil where Tag Alders are present.
43	42360 - Upland Cedar	Sawtimber Well	21.3	87	171-200	Few Log sized Paper Birch. Light understory. Good quality White Cedar. Limited access.
44	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	33.7	70	51-80	Wet ground. Thick White Cedar. Difficult access. Few big Hemlock. More Black Spruce towards the private line.
45	42200 - Natural White Pine	Sawtimber Poor	30.4	83	81-110	On a small narrow ridge. Lowland trees from the edges creeping in. Good White Cedar and Black Spruce on edges. A few mature Quaking Aspen on edge. Soil: Rousseau-Spot complex
47	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	151.4	68	81-110	Big White Pine and Black Spruce. Drops off to the River on South side. Some big Red Maple in spots. Lots of draingages to river. Pockets of good Red Maple and Paper Birch in North part of the stand. Some of the Black Spruce is dying. Scattered Hemlock. Old Sixteen Creek campground. E end of stand adjacent to river has some Black Ash. Soil: Histosols & Aqueuts, ponded
48	6120 - Lowland Cedar	Poletimber Well	29.7	53	51-80	North and East side has good White Cedar. Some scattered Black Ash, Big White Pine, and Hemlock. Middle of the stand is much smaller DBH White Cedar, not much is merchantable.

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Newberry Mgt. Unit

Report 7 – Forested Stands

Compartment: 115
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	40.0	86	51-80	Access is limited. Intermittant drainages present in stand. Thick understory. More Tag Alder by Creek. Few big Hemlock. Ridge through the middle of the stand, lowlands are wet soil types. Soil: Rousseau-Spot complex
51	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	34.5	51	1-50	Really wet. Black Ash in Northern part. Pockets with just Tag Alder. Big White Pine in middle of the stand.
53	6122 - Black Spruce	Poletimber Well	11.4	81	81-110	North end has heavy windthrow. Small creek/drainage runs through portion of the stand. Fairly nice stand of spruce but very difficult access and with wet ground. South has more species. Some log sized Black Spruce. Soil: Spot- Finch complex
54	4319 - Mixed Upland Forest	Poletimber Medium	13.0	53	51-80	Rolling hills. Good sized hill to the south of the stand, poor access. Some quacking Aspen. Lots of Balsam Fir understory. soil: Rousseau - Spot complex
55	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	29.0	81	111-140	Pockets of pole sized Red Maple. Few big White Pine. Wet ground. Good Black Spruce in spots. Northern part has White Cedar and pine, and South finger. Difficult access, has a big ridge north of stand.
57	6122 - Black Spruce	Poletimber Well	5.3	71	81-110	Wet ground. A few White Pine and Red Maple. Mostly small diameters, some tress 11 inch DBH. Open pockets with more Tag Alder. Pocket not part of adjacent sale, but was part of stand. Labr tea, bracken.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	6224 - Treed Bog	79.6	No	Some bigger trees, mostly saplings. Very wet. Some Pole/Log sized White Pine scattered. leatherl bog. Scattered areas of polet, mainly near edges of higher ground. Good areas of S3. Soil: Spot- Finch complex
11	500 - Water	1.6	No	Old beaver pond/meadow. Has Drainages leading to Stands 10 and 12.
26	6224 - Treed Bog	15.3	No	leatherleaf bog. Scattered stunted b spruce and tam. Seasonally ponded. Bigger Tamarack on edges.
29	500 - Water	14.3	No	Dead or stunted Black Spruce, water, swamp grass, and active beaver colony.
35	622 - Lowland Shrub	34.8	No	Flooded Tag Alder. Sixteen Creek flows through stand. Scattered White Cedar and Black Spruce on edges. Soil: Histosols and Aquent
46	622 - Lowland Shrub	7.2	No	Lots of Tag Alder, very wet. Stunted trees. Swamp grass in low pockets and at edge of stand adjacent to river
50	6229 - Mixed lowland shrub	4.6	No	Open leatherleaf/swamp grass. Stunted tamarack Black Spruce, White Cedar, Tag Alder and Winterberry. Soil:Spot-Finch complex
52	622 - Lowland Shrub	3.5	No	Tag Alder, swamp grass. Creek flows through stand. Some bigger trees on edge. Some Stunted Black Spruce, Paper Birch, and Red Maple. soil: Spot - Finch complex
56	622 - Lowland Shrub	66.6	No	Flood plain along Tahq River, Tag Alder, swamp grass. East end has scattered Silver Maple. A few big Red Maple.
58	6225 - Bog	16.4	No	Lots of drainages and small bogs. Low quality cedar and spruce, drainages go to stand 11. Tag Alders are in pockets.
61	629 - Mixed non-forested wetland	22.6	No	Brush, Tag Alder, and dead White Cedar. Some dead Black Spruce. Currently a Beaver pond, flowing water in the summer.