



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42092

Entry Year 2019

Acreage: 2,807

County Luce

Management Area: 8 Mile Corner

Revision Date: 2017-08-21

Stand Examiner: Amy Douglass

Legal Description:

T47N R11W Sections 17, 20, 27, 30 & 32-34.

Identified Planning Goals:

To maintain or improve the forest health, productivity and diversity of the area for multiple uses of timber, wildlife habitat, recreation and fisheries. Treatments prescribed will promote an array of both age class and structural diversity in the cover types.

Soil and topography:

The majority of the compartment is comprised of Kalkaska sand, with a minor component of Wallace sand. The topography is level to rolling. Steeper slopes are found along the numerous small pothole lakes and the start of East Creek.

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

The compartment is one large contiguous block of State land with only one 80 private parcel within the boundary. There are two outlier parcels that border Bass Lake and Peanut Lake. State land borders the compartment to the north and east. Hancock lands border the compartment to the west. Several small private land owners along with Hancock lands border the compartment to the northwest. Adjacent ownership to the south is a combination of State land and Hancock land. Development in and around the compartment is low due to the large amount of State land and Hancock land in the vicinity. Several small camps and one permanent residence are located adjacent to and within the compartment. The main types of land use are hunting, ORV and snowmobile riding, and dog sledding.

Unique Natural Features:

Loons have been noted on adjacent lakes. There is potential for other threatened and endangered species in the area.

Archeological, Historical, and Cultural Features:

The Peterson Homestead was once located within the compartment. Old signs state that it was farmed between 1917-1925 before being acquired by the State in 1931.

Special Management Designations or Considerations:

None noted.

Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: Bass Lake, Peanut Lake, Wolverine Lake, and East Creek are all associated with this compartment. Wolverine Lake is stocked annually with Rainbow Trout and is a designated trout lake. East Creek is a designated trout stream with native Brook Trout present. No treatments are proposed near any of these waters, so there are no fisheries concerns at this time.

Wildlife Habitat Considerations:

Compartment 92 lies in central Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment is in the 8 Mile Corner Management Area and Blackburnian warbler, pileated woodpecker, ruffed grouse and white-tailed deer are featured species listed for the management area. The compartment is a mix of aspen and white pine with northern hardwoods, red pine, and grass openings scattered throughout. Species diversity of all stand types is good. Pre-settlement vegetation patterns of the subsection appear to be consistent with the current landscape.

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 and hardwood stands. Many stands will retain a component of large white pine as bear refuge trees. Soft mast (cherry) is abundant in the compartment and will be retained as a component in harvested stands. Wildlife species expected to use this compartment include ruffed grouse, woodcock, white-tailed deer, black bear, fisher, marten, coyotes, gray wolves, and fox.

Mineral Resource and Development Concerns and/or Restrictions

Gravel pits are not located in the area, but there appears to be good sand and gravel potential within the compartment. There is no known metallic mineral potential in this area, and there is no known potential for economic oil and gas production in the UP.

Vehicle Access:

The compartment is located 5 miles north of McMillan. There is substantial vehicle access to the compartment. County Road 455 runs east and west through the center of the compartment while County Road 415 runs north and south through the entire compartment. A network of woods roads, including Silver Creek Road (maintained) and Wolverine Lake Road, transects the area providing additional access to all parts of the compartment.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

Recreational facilities include Snowmobile Trail 498 and Silver Creek ORV Trail; boating access sites on Peanut Lake and Bass Lake; and Bass Lake State Forest Campground. Wolverine Lake also has an unofficial/un-maintained access site. A few miles of dog sled training route transect the compartment. Other recreational opportunities include hunting, fishing, hiking and wildlife viewing. Numerous hunting camps are located in and adjacent to the compartment.

Fire Protection:

Potential for large fire runs is fair. Eastern portion contains some contiguous pine types. Much of the remaining area is broken up by hardwood, aspen and semi-open types, creating areas for defensible fire lines. Upland ground and fair two-track network could aid suppression forces in accessing remote areas. Private property risk to fire would be moderate.

Additional Compartment Information:

The following reports from the Inventory are attached:

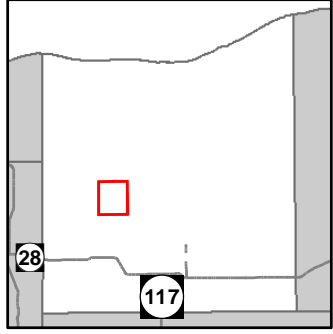
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

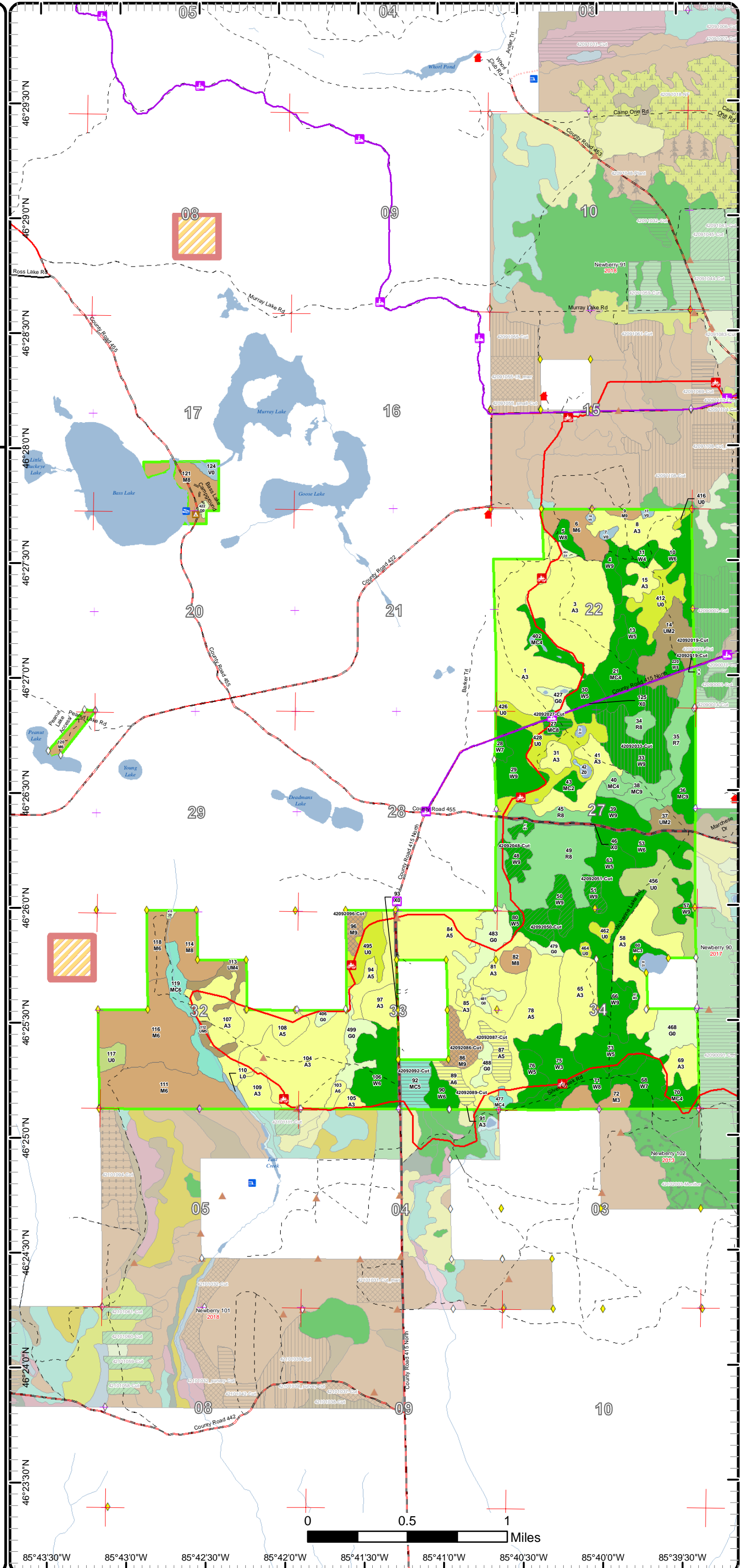
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 92
 T47N, R11W, Sec. 17, 20, 22, 27,
 30, 32-34
 County: Luce
 Unit: Newberry
 Mgmt Area: 8 Mile Corner
 YOE: 2019
 Acres: 2807.4 GIS Calculated
 Examiner: Amy Douglass
 Map Revised: 12/12/2017
 Map Phase: Post-Review

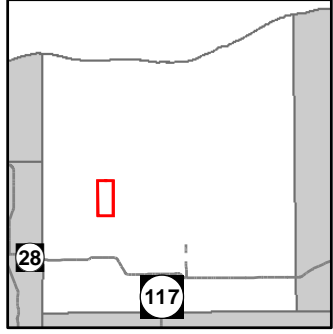


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- - - Counties
- ▲ Berms
- Dams
- Cabin
- Boating Access Site
- ▲ Campground
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- County Gravel Roads
- - - Gravel Roads
- - - Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

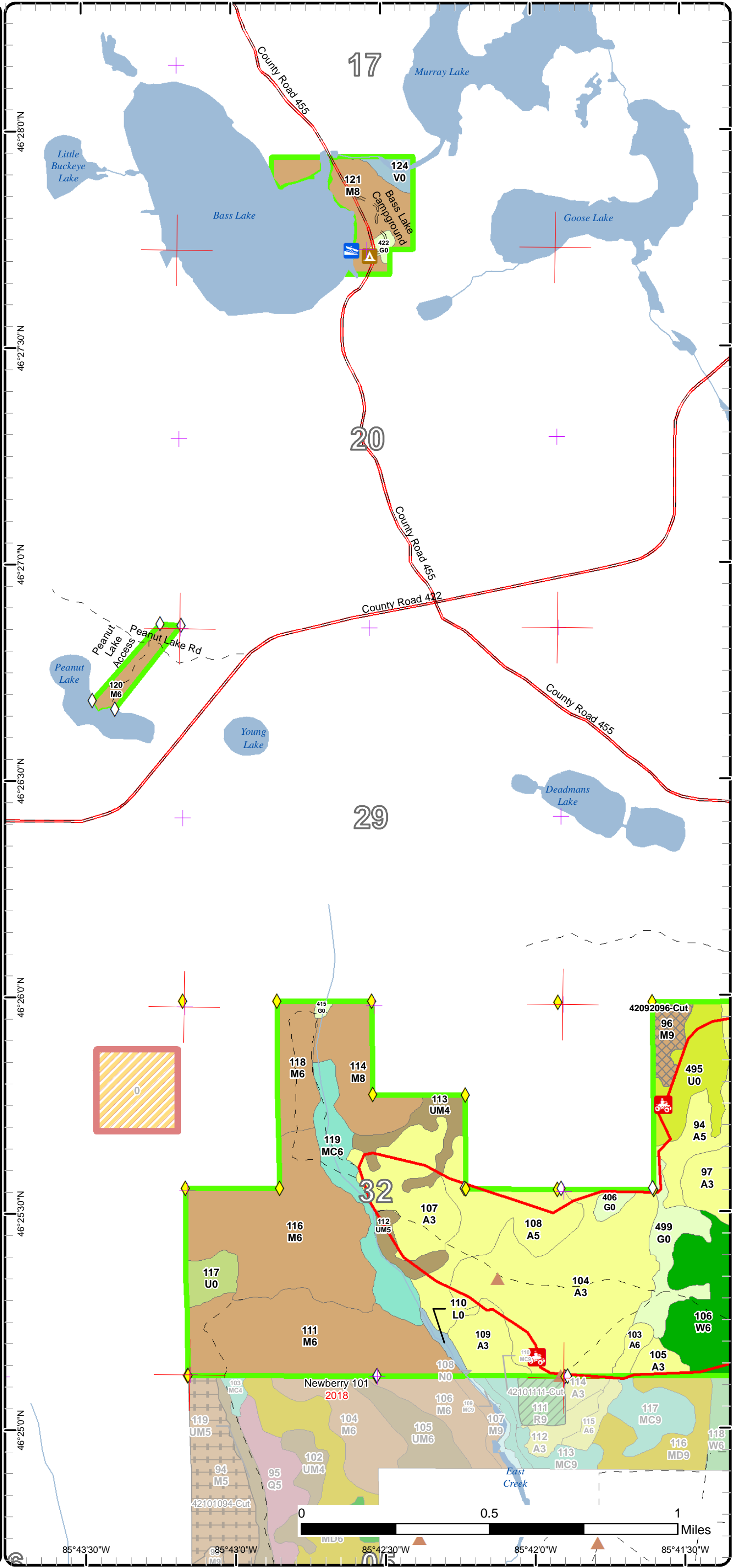


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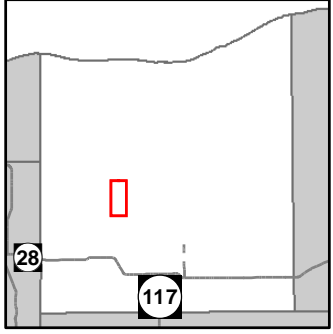


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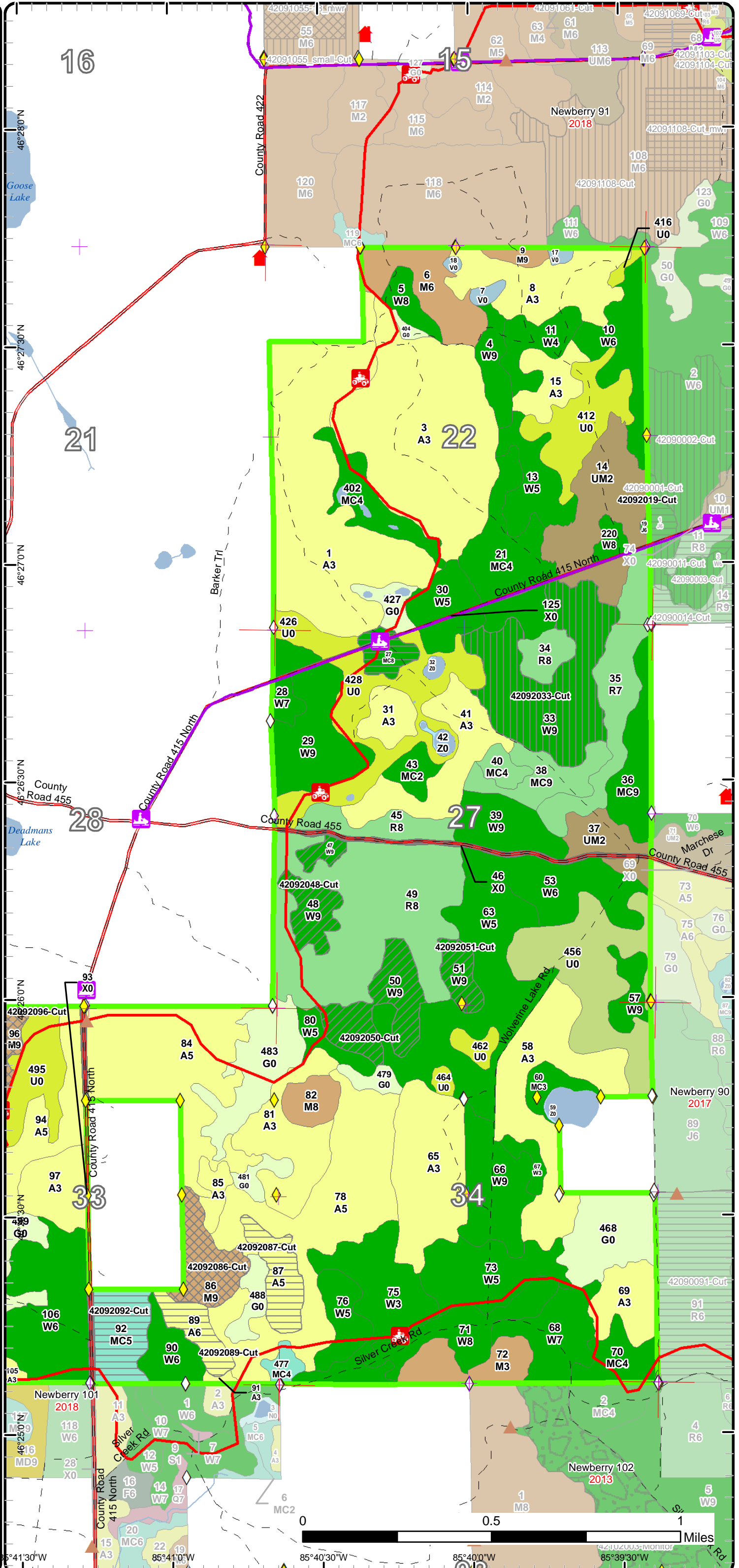


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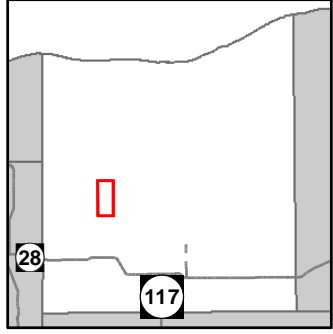


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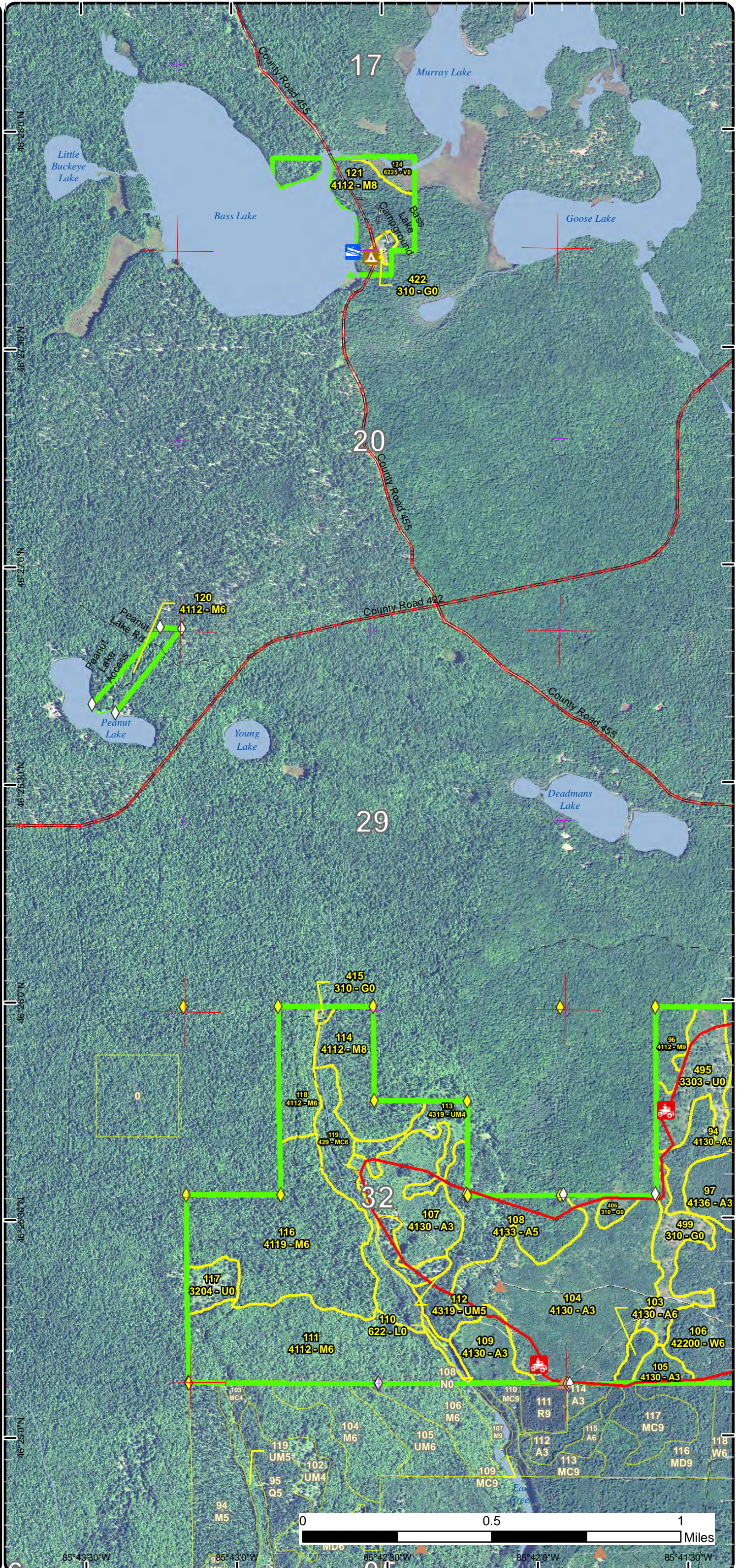


Stand Boundary Map

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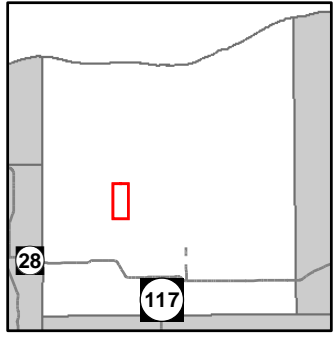


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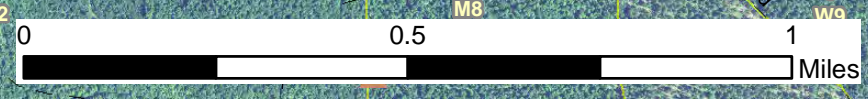
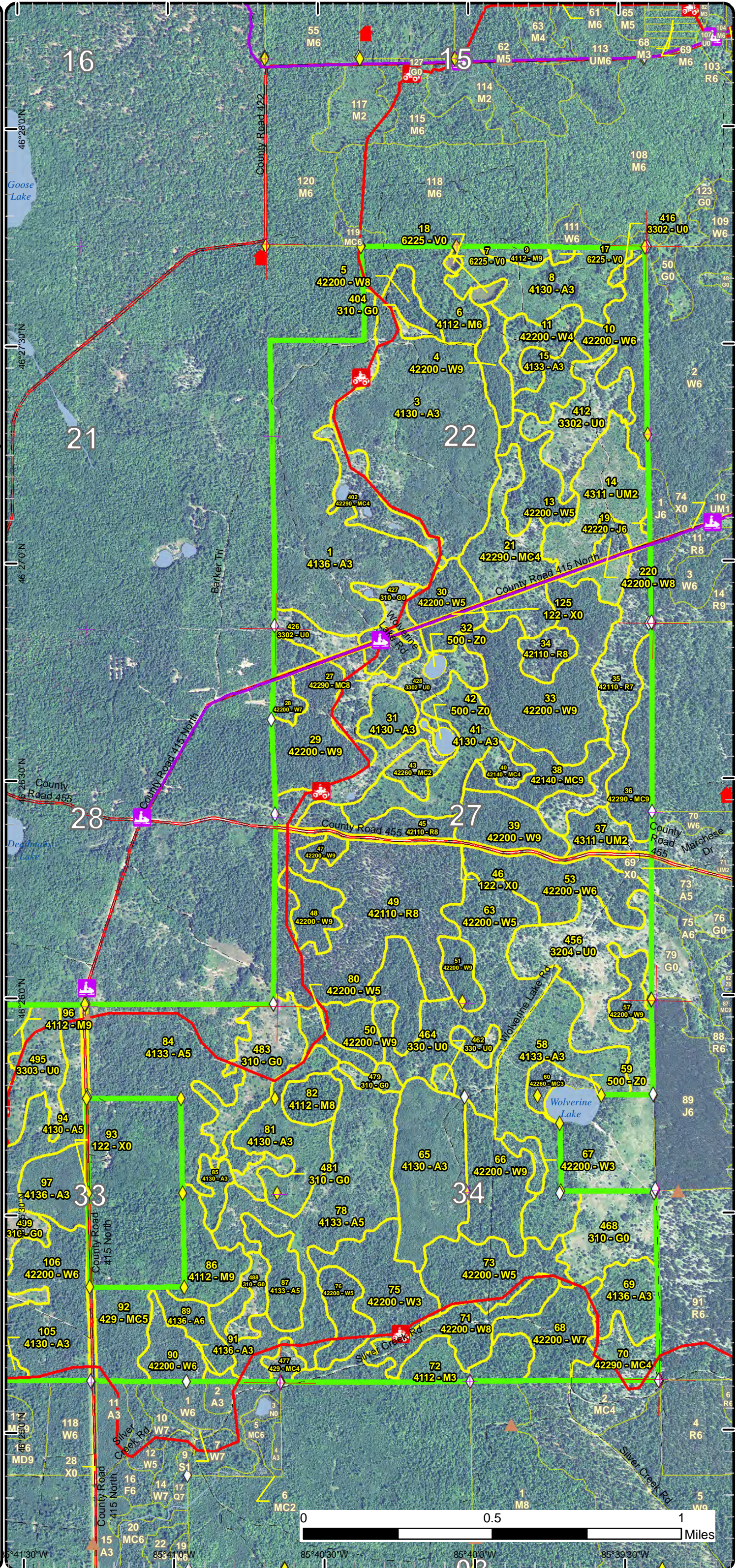


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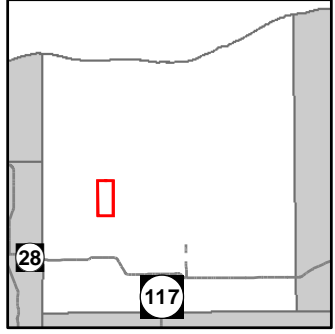
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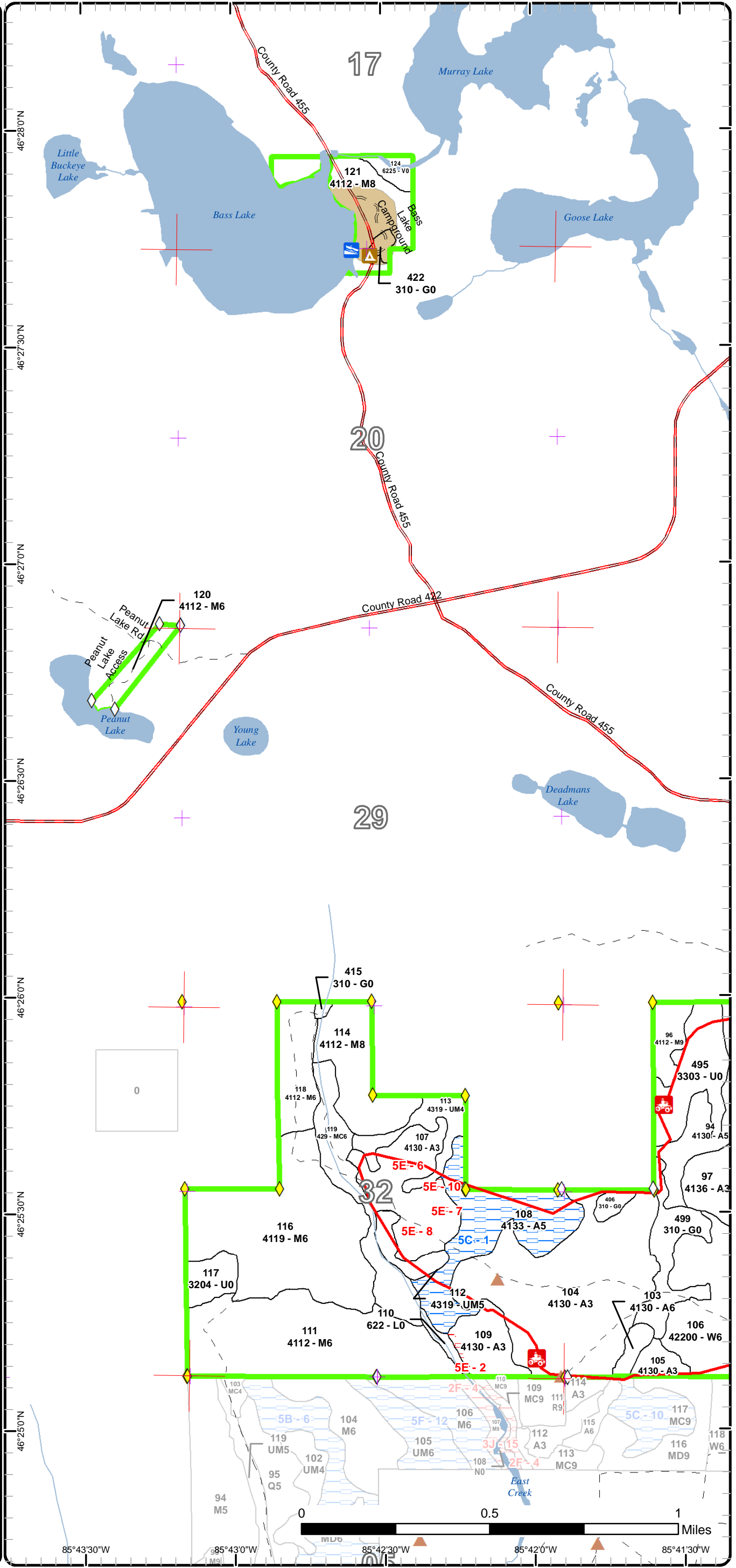
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Special Conservation Areas & Site Conditions Map

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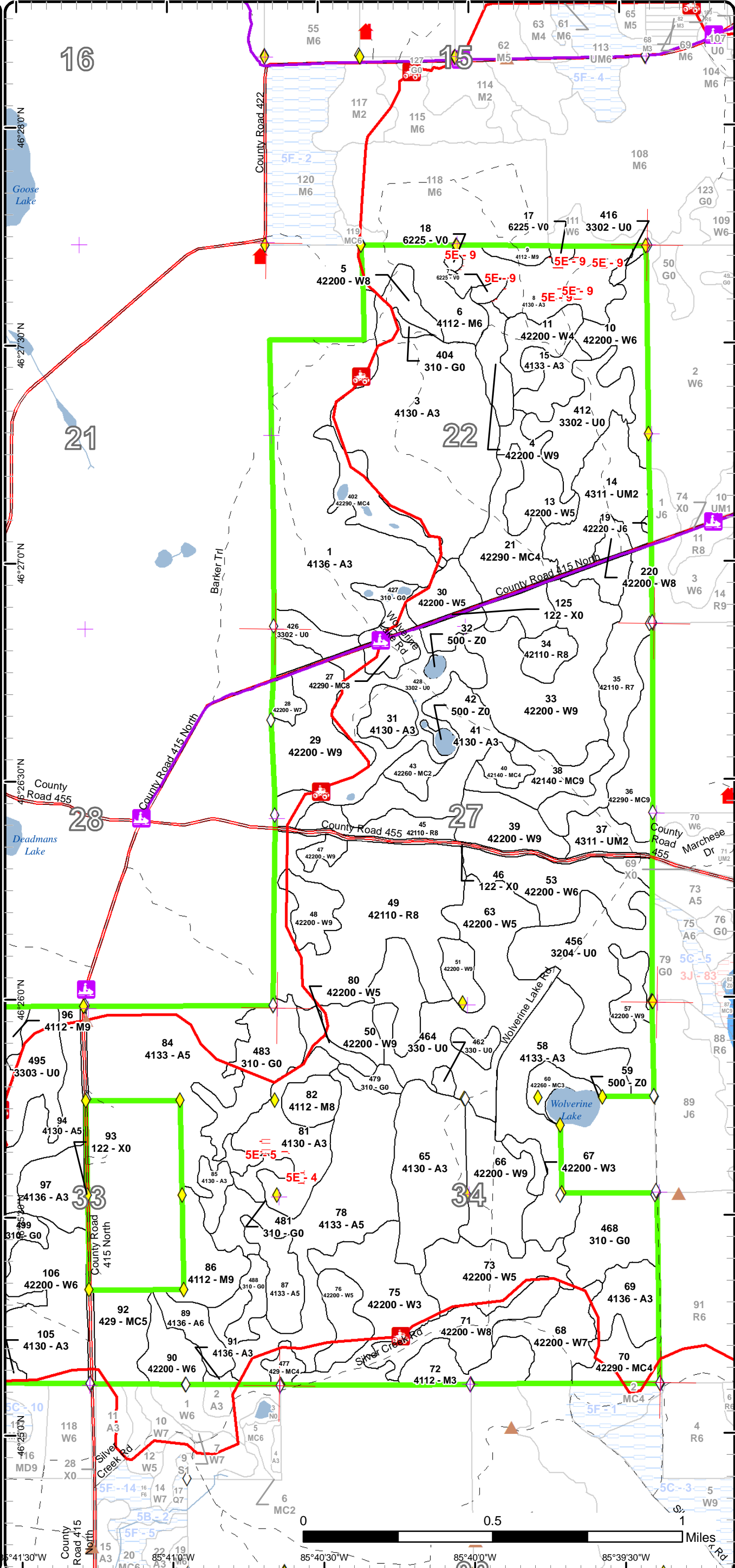
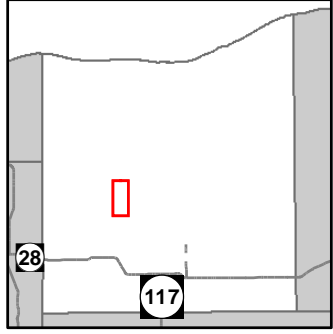


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- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- State Forest Campground



Special Conservation Areas & Site Conditions Map

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- = 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes

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Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 92

Year of Entry 2019

Amy Douglass : 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	279	0	411	92	110	75	0	0	0	0	0	0	0	0	0	0	0	967
Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Herbaceous Openland	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Jack Pine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Natural Mixed Pines	0	8	0	8	56	19	9	0	0	0	0	0	0	0	0	0	0	23	123
Northern Hardwood	0	0	20	0	0	0	0	27	0	313	0	0	0	0	0	0	0	4	363
Planted Mixed Pines	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	26
Red Pine	0	0	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	164
Upland Conifers	0	0	0	0	5	0	51	0	0	0	0	0	0	0	0	0	0	0	56
Upland Mixed Forest	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	84
Upland Shrub	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Urban	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
White Pine	0	0	0	5	57	0	8	34	87	40	99	0	0	0	0	0	0	340	670
Total	354	287	65	424	210	129	333	62	87	353	99	0	0	0	0	0	0	406	2808



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 92

Total Compartment Acres: 2,807

Commercial Harvest - 215
 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
Aspen	29	0	0	0	0	0	0	0	0	29
Jack Pine	1	0	0	0	0	0	0	0	0	1
Natural Mixed Pines	9	0	0	0	0	0	0	0	0	9
Northern Hardwood	0	32	0	0	0	0	0	0	0	32
Upland Conifers	22	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	67	57	0	0	0	124
Total	60	32	0	0	67	57	0	0	0	215

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	215	0	0	0	0	0	0	0	0	215
Next Step	0	77	9	0	0	159	0	0	0	245
Total	215	77	9	0	0	159	0	0	0	460



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
19	42092019-Cut	0.7	42220 - Natural Jack Pine	Poletimber Well	66	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Field Boundary - Ready for VMS

Habitat Cut: No**Site Condition:**

Prescription Clearcut. Small acreage, no retention.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant

Treatments:

Acceptable Jack pine

Regen:

Other Main stand is C-90, stand 1, scheduled in 2017 YOY.

Comment:

Proposed Start Date: 10/01/2018

27	42092027-Cut	8.7	42290 - Natural Mixed Pine	Sawtimber Medium	53	51-80	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut, no retention due to small acreage. Leave some large white pine for bear and pileated woodpecker in the red line.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant

Treatments:

Acceptable Jack pine, white pine, red pine, aspen.

Regen:

Other ORV trail cuts through stand.

Comment:

Proposed Start Date: 10/01/2018

33	42092033-Cut	67.1	42200 - Natural White Pine	Sawtimber Well	78	141- 170	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Leave tree mark to approx. 40 BA residual. Retain a component of mature aspen and maple and various sizes of white pine/red pine.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable White pine with components of red pine and aspen.

Regen:

Other Follow the harvest with scarification to promote white pine and red pine regeneration.

Comment:

Proposed Start Date: 10/01/2018

47	42092047-Cut	4.6	42200 - Natural White Pine	Sawtimber Well	76	111- 140	Harvest	Crown Thinning	42201 - Natural White Pine, Mixed Deciduous	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut aspen clones and thin white pine/red pine down to approx. 110 BA, focusing on leaving the best tree in place.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



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
48	42092048-Cut	13.6	42200 - Natural White Pine	Sawtimber Well	78	111- 140	Harvest	Crown Thinning	42201 - Natural White Pine, Mixed Deciduous	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut aspen clones and thin white pine/red pine down to approx. 110 BA, focusing on leaving the best tree in place. Leave some large limby
Specs: white pine as wildlife trees. Leave a few large aspen in the red line, preferably along the south end.

Next Step
Treatments:

Acceptable
Regen:

Other ORV trail runs through part of the stand.
Comment:

Proposed Start Date: 10/01/2018

50	42092050-Cut	28.6	42200 - Natural White Pine	Sawtimber Well	78	141- 170	Harvest	Crown Thinning	42201 - Natural White Pine, Mixed Deciduous	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut aspen clones and thin white pine/red pine down to approx. 110 BA, focusing on leaving the best tree in place. Leave some large limby
Specs: white pine as wildlife trees. Leave a few large aspen in the red line, preferably along the south end.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

51	42092051-Cut	9.7	42200 - Natural White Pine	Sawtimber Well	78	111- 140	Harvest	Crown Thinning	4220 - Natural White Pine	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut aspen clones and thin white pine/red pine down to approx. 110 BA, focusing on leaving the best tree in place. Leave some large limby
Specs: white pine as wildlife trees. Leave a few large aspen in the red line, preferably along the south end.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

86	42092086-Cut	21.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to 70 - 90 BA using the Compleat Marker as guidance. Leave large white pine.
Specs:

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

Acceptable Mix of present species acceptable.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018



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
87	42092087-Cut	16.5	4133 - Aspen, Mixed Pine	Poletimber Medium	51	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut leaving 1 patch retention pocket. Leave some mature aspen in the red line, as well as various species/sizes of conifer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with white pine, cherry, maple, spruce and fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

89	42092089-Cut	12.0	4136 - Aspen, Mixed Conifer	Poletimber Well	58	81-110	Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut. Small acreage, no retention. Leave some mature aspen in the red line, as well as gnarly white pine and various species/sizes of conifer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with white pine, fir, spruce, maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

92	42092092-Cut	21.9	429 - Mixed Upland Conifers	Poletimber Medium	53	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut, leaving retention pockets surrounding pockets of younger white pine where possible. Leave some large aspen and white pine in the red

Specs: line and/or retention patches.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with white pine, cherry, maple, spruce and fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

96	42092096-Cut	10.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark stand down to 80 - 90 BA using the Complete Marker as guidance. Leave some large conifer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Present mix of species acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 215.1**

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 92
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	5E
		With Condition	Not Available			
967	765	46	155	Aspen	46	155
11	11	0	0	Bog		
119	82	0	37	Herbaceous Openland		37
1	1	0	0	Jack Pine		
123	123	0	0	Low-Density Trees		
3	3	0	0	Lowland Shrub		
123	123	0	0	Natural Mixed Pines		
364	364	0	0	Northern Hardwood		
26	26	0	0	Planted Mixed Pines		
164	164	0	0	Red Pine		
56	56	0	0	Upland Conifers		
84	84	0	0	Upland Mixed Forest		
68	68	0	0	Upland Shrub		
23	23	0	0	Urban		
7	7	0	0	Water		
670	670	0	0	White Pine		
2,807	2,569	46	192	Total Forested Acres	46	192
	92%	2%	7%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 92
Year of Entry: 2019

4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	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
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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 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	4136 - Aspen, Mixed Conifer	Sapling Well	120.5	26	Immature	More red maple than adjacent stand. JP mainly in south end of stand. Growing into pole size. "Peterson Homestead" timber sale (031-89-01).
3	4130 - Aspen	Sapling Well	113.5	25	Immature	Aspen on edge between sapling and pole size. Some semi-open areas and areas of cherry. OPIC - FMD: Nice aspen regeneration. Component of white pine, spruce and balsam. Some black cherry and white birch. Scattered low quality residual white pine and hardwoods from last harvest. "Teardrop sale" (010-90-01).
4	42200 - Natural White Pine	Sawtimber Well	12.2	86	111-140	White pine with larger limbs and crook (weevil damage). OPIC - FMD: Mixed stand of white pine and aspen. Mainly all aged white pine with pockets and clones of low quality, mature aspen. Lots of structural diversity. Balsam and spruce in the understory. Stand makes a good wildlife corridor. Some large 22-24 inch white pine. Hardwood pulp consists of red maple and black cherry.
5	42200 - Natural White Pine	Sawtimber Medium	8.4	86	51-80	Stand harvested via shelterwood harvest as sale #033-09-01, Barred Owl Mix. Completed 04/30/2012. OPIC - FMD: Lower quality red maple with aspen and large white pine and white spruce.
6	4112 - Maple, Beech, Cherry Association	Poletimber Well	26.5	66	51-80	Maple understory mainly ~5' tall, but varies with older saps too. Thick aspen regen on edges. Stand harvested via selection harvest as sale #033-09-01, Barred Owl Mix. Completed 04/30/2012. OPIC - FMD: Primarily red maple with a sugar maple component. M6 stand with M9 pockets. Best quality is in the pole size trees (9-10 inches). Stand slopes to the north and east. Decrease in quality near the bogs.
8	4130 - Aspen	Sapling Well	39.5	5	Immature	Scattered WP and hemlock left, as well as patch retention. Stand harvested via final harvest as sale #033-09-01, Barred Owl Mix. Completed 04/30/2012. OPIC - FMD: Retention/stand diversity will be obtained by leave patches and also individual trees. Leave small buffers along the bog edges. Mark some large white spruce and white pine for residual. Leave all hemlock and all conifers 4 inches or less in diameter. Scattered large, unmerchantable aspen to be left.
9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.4	86	111-140	Some maple with dying tops - mainly west of road. Manage with adjacent compartment/stand to the north (C91, stand 118). OPIC - FMD: Northern hardwoods with advanced M3 understory. Fairly good quality in most of the stand. Beech is in bad shape. Quality decreased and balsam understory increases along southern stand edge. Raptor nest (old) west of the road. Scattered yellow birch. Hold stand and harvest as part of larger stand in the compartment to the north (Stand 118, Comp 91) instead of creating a stand line on the section line.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	42200 - Natural White Pine	Poletimber Well	28.5	92	141-170	OPIC - FMD: White pine stand with aspen pockets. Thick basal area in many areas. Almost an even aged immature white pine stand in spots. Good quality poles (9-10 inch). More open areas have lower quality, limby white pine. Hold this stand to treat with larger stand in the compartment to the east (stand 2, Comp 90). Treat all as one stand instead of dividing at the section line. Includes some lesser BA that has been seeding into adjacent opening.
11	42200 - Natural White Pine	Poletimber Poor	15.8	72	1-50	Limby, 1-2 stick "cabbage" pine. Clumps of aspen, scattered maple and cherry. Open area filling in with some merchantable trees. Some areas more open than others.
13	42200 - Natural White Pine	Poletimber Medium	21.0	77	51-80	White pine is mostly pole size, but some large diameter white pine are scattered within. OPIC - FMD: Semi open stand of low quality aspen and open grown white pine. Pockets of older aspen. White spruce mixed in. Open areas of more W3/A2.
14	4311 - Pine, Aspen Mix	Sapling Medium	44.7	13	Immature	Open grown, patchy regen. Pockets of aspen as well as scattered individual aspen. Slim's Jack Pine, sale #42-027-00-01. Sale completed on 8/30/2002. FTP #42-533 completed 5/2004. Regeneration count completed 5/8/2007 = 959 trees/acre (783 A, 137 JP, 39 WP). Good component of cherry regeneration (additional 293 tr/ac) present. ***Secondary regen count completed 6/5/08 = 774 t/ac (179J 2-3' ht, 476A, 30R, 30W, 59 Cherry).
15	4133 - Aspen, Mixed Pine	Sapling Well	14.9	5	Immature	Scattered residual white pine. Nice aspen regeneration. Stand harvested via final harvest as sale #033-09-01, Barred Owl Mix. Completed 04/30/2012.
19	42220 - Natural Jack Pine	Poletimber Well	0.7	66	81-110	Majority of the stand is in the compartment to the east (C90, stand 1).
21	42290 - Natural Mixed Pine	Poletimber Poor	40.4	32	Immature	Open area filling in with a mix of all species.
27	42290 - Natural Mixed Pine	Sawtimber Medium	8.7	53	51-80	OPIC - FMD: Jack pine with aspen and open grown, limby white pine. Low quality aspen. Stand is open in many areas. ORV trail runs through the stand.
28	42200 - Natural White Pine	Sawtimber Poor	5.0	78	1-50	OPIC - FMD: Limby, open grown white pine. W2/W3 understory.
29	42200 - Natural White Pine	Sawtimber Well	40.2	78	141-170	OPIC - FMD: All aged white pine stand. Good aspen component (low quality). Most of the white pine is limby. Best quality is in the 8-10 inch classes. Also a cherry and maple component.
30	42200 - Natural White Pine	Poletimber Medium	19.5	86	81-110	Mainly pole size/small logs with some larger logs within. Red pine in SE corner, JP in NE corner, aspen scattered. Semi-open patches. OPIC - FMD: Routed DNR sign in the stand stating "Peterson Homestead, Farmed 1917-1925, Aquired by State of Michigan 1931". Historic significance?



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4130 - Aspen	Sapling Well	11.5	6	Immature	Scattered white pine residual. Aspen ~ 20' tall. Sale harvested via final harvest as sale #011-09-01, Hungry Dogs Aspen. Completed 08/30/10. Summer 2012: Aspen = Fully stocked.
33	42200 - Natural White Pine	Sawtimber Well	67.1	78	141-170	OPIC - FMD: Limby white pine. All aged stand, variable diameters. Lots of large diameter white pine, but very limby. Red Pine throughout especially near the open areas where it was planted in 1952 & 1959. Component of aspen.
34	42110 - Planted Red Pine	Sawtimber Medium	9.7	58	81-110	OPIC - FMD: Red pine stand with a component of and areas of white pine. Fairly open canopy. Planted in 1952 & 1959. Fire within the stand in 2003, scarred most of the red pine.
35	42110 - Planted Red Pine	Sawtimber Poor	38.0	58	1-50	RP logs over WP sap/pole. WP filling in. Still many very open areas. OPIC - FMD: Stand was planted with red pine in 1952 & 1959. Can still see the old furrows. Very open, poor survival. Open grown, limby red pine.
36	42290 - Natural Mixed Pine	Sawtimber Well	23.4	78	81-110	OPIC - FMD: All aged white pine stand. Portions of the stand has a high component of red pine that was planted in 1952 & 1959. Multiple diameter classes of white pine. White pine and red pine in the understory. Occasional aspen throughout stand. Stand continues into Comp 90 (stand 70).
37	4311 - Pine, Aspen Mix	Sapling Medium	15.7	27	Immature	Old opening filling in. White pine still seeding in. Aspen expanding. OPIC - FMD: Open area filling in with low quality aspen and limby white pine. Scattered merchantable white pine. Pockets of A4/W4. Stand continues into the compartment to the east (stands 71, 73 Comp 90).
38	42140 - Planted Mixed Pine	Sawtimber Well	19.8	58	81-110	OPIC - FMD: Mixed stand of red pine and white pine with some aspen throughout. Planted red pine and natural white pine. Pockets of aspen clones. Red pine was planted in 1952 & 1959.
39	42200 - Natural White Pine	Sawtimber Well	21.7	78	111-140	OPIC - FMD: Very thick stand in spots. Lots of small diameter merchantable white pine. Other spots are more open. Clones of aspen (5-15 trees) especially along the county road. Pockets of large diameter (16-22 inch) limby white pine with weevil damage.
40	42140 - Planted Mixed Pine	Poletimber Poor	6.0	58	1-50	OPIC - FMD: Stand was planted with red pine in 1952 & 1959. Can still see the old furrows. Very open, poor survival (partial frost pocket).
41	4130 - Aspen	Sapling Well	34.5	7	Immature	Sale harvested via final harvest as sale #011-09-01, Hungry Dogs Aspen. Completed 08/30/10. Summer 2012: Aspen = Fully Stocked
43	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	7.8	5	Immature	Open areas have some JP regen; edges of aspen, JP with residual WP. JP = 4'-8' tall; aspen = 10'-20' tall. Sale harvested via final harvest as sale #011-09-01, Hungry Dogs Aspen. Completed 08/30/10. Scarification. FTP #42-749, completed 8/29/2011. Summer 2012: Aspen = Fully Stocked.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	42110 - Planted Red Pine	Sawtimber Medium	15.0	58	81-110	Stand harvested via shelterwood harvest as sale #020-09-01, Trout Camp Red Pine. Complete 12/15/10. Summer 2012: RP = 43, WP = 214, Aspen = 120, RM = 86, Cherry = 9, TPA = 470. OPIC - FMD: Red pine stand planted in 1952 & 1959. Thick pockets and areas where its more open. White pine component within the stand. Moderate quality to the red pine, shorter heights, limby. Showing characteristics of a natural pine stand due to the variability.
47	42200 - Natural White Pine	Sawtimber Well	4.6	76	111-140	White pine of various sizes with pockets of mature aspen. Large, parent, white pine present (very limby). OPIC - FMD: Very structurally diverse stand. Mostly 8-10 inch white pine, some large 16 inch white pine. Scattered red pine throughout. Lots of spruce and some maple in the understory. Scattered low quality aspen. Leave these stands as diversity when Stand 49 is harvested.
48	42200 - Natural White Pine	Sawtimber Well	13.6	78	111-140	White pine of various sizes with pockets of mature aspen. Large, parent, white pine present (very limby). OPIC - FMD: Very structurally diverse stand. Mostly 8-10 inch white pine, some large 16 inch white pine. Scattered red pine throughout. Lots of spruce and some maple in the understory. Scattered low quality aspen. Leave these stands as diversity when Stand 49 is harvested.
49	42110 - Planted Red Pine	Sawtimber Medium	101.2	58	81-110	Stand harvested via shelterwood harvest as sale #020-09-01, Trout Camp Red Pine. Complete 12/15/10. Summer 2012: RP = 43, WP = 214, Aspen = 120, RM = 86, Cherry = 9, TPA = 470. OPIC - FMD: Red pine stand planted in 1952 & 1959. Thick pockets and areas where its more open. White pine component within the stand. Moderate quality to the red pine, shorter heights, limby. Showing characteristics of a natural pine stand due to the variability.
50	42200 - Natural White Pine	Sawtimber Well	28.6	78	141-170	White pine of various sizes and variable BA, with pockets of mature aspen. Large, parent, white pine present (very limby). OPIC - FMD: All age, natural white pine stand with a component of low quality aspen. Open areas have advanced white pine regeneration, 1 inch up to 6 inch dbh. Pockets of more mature white pine. Lots of size class and structural diversity. Best quality is in the 8-10 inch dbh range.
51	42200 - Natural White Pine	Sawtimber Well	9.7	78	111-140	OPIC - FMD: White pine stand, all aged. Lots of variability throughout the stand in dbh, BA and also structural diversity. Some large diameter white pine (14-18 inch) but most are pulp quality. Pockets of W9.
53	42200 - Natural White Pine	Poletimber Well	35.4	70	111-140	Variable BA and size. Pockets of mature aspen. OPIC - FMD: Very thick stand in spots. Lots of small diameter merchantable white pine. Other spots are more open. Clones of aspen (5-15 trees) especially along the county road. Pockets of large diameter (16-22 inch) limby white pine with weevil damage. Eastern 1/3 of the stand is more open with smaller diameters, shorter heights, and mixed in with some lower quality aspen.
57	42200 - Natural White Pine	Sawtimber Well	9.9	78	81-110	OPIC - FMD: All aged white pine stand. Surrounded by large opening complex. Large diameter, weeviled white pine with better quality younger white pine. Thick W3 understory.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	4133 - Aspen, Mixed Pine	Sapling Well	58.0	7	Immature	Lots of white pine sapling "residual". Stand harvested via final harvest as sale #049-09-01, Wolverine Lake Aspen. Complete 01/04/11. Regen check 2015: Well stocked with aspen. Lots of red maple and white pine as well.
60	42260 - Natural Pine, Mixed Deciduous	Sapling Well	7.8	22	Immature	Aspen/white pine stand along Wolverine Lake. Some low areas within stand.
63	42200 - Natural White Pine	Poletimber Medium	71.0	45	51-80	Open areas and areas of W3. Older white pine are more limby. OPIC - FMD: Semi open white pine stand. BA is variable throughout. Stand ranges from a W4/W3 to a W5/W3 to a W8/W4/W3. Most of the stand is open grown white pine filling in old openings. W2/W3 understory is thick in many spots. Aspen component throughout the understory.
65	4130 - Aspen	Sapling Well	50.3	26	Immature	Stand harvested in 1991. Sale #004-91-01 "Wolverine Lake Sale". Completed 1993. Nice aspen regeneration. Balsam, spruce and white pine mixed in. Some cherry in more open areas.
66	42200 - Natural White Pine	Sawtimber Well	31.4	97	81-110	OPIC - FMD: Large diameter white pine mixed with aspen, maple and spruce. Understory is a mix of maple, white pine, and some spruce and balsam. More aspen along the west side of the stand. Stand has areas that are more open than others.
67	42200 - Natural White Pine	Sapling Well	4.7	26	Immature	OPIC - FMD: Opening growing into white pine. Scattered aspen.
68	42200 - Natural White Pine	Sawtimber Poor	26.0	97	1-50	Stand harvested in 2004/2005 as "Wolverine Lake Mix" (035-01-01). White pine was left as residual. All other species were removed. Good aspen and maple regeneration in areas where canopy was opened up.
69	4136 - Aspen, Mixed Conifer	Sapling Well	19.3	7	Immature	Variable densities. Non-merchantable aspen left from cut. Stand harvested via final harvest as sale #049-09-01, Wolverine Lake Aspen. Complete 01/04/11. Regen 2015: Well stocked with aspen, northeast corner is somewhat more open, less dense trees.
70	42290 - Natural Mixed Pine	Poletimber Poor	15.6	30	Immature	Old white pine stumps. Opening growing in. OPIC - FMD: Opening with fair amount of brush, cherry, pockets of young aspen, scattered spruce and white pine.
71	42200 - Natural White Pine	Sawtimber Medium	26.4	94	81-110	Thick regeneration. Stand harvested in 2004/2005 as "Wolverine Lake Mix" (035-01-01). White pine was left as residual. All other species were removed. Good aspen and maple regeneration in areas where canopy was opened up.
72	4112 - Maple, Beech, Cherry Association	Sapling Well	19.6	12	1-50	Thick regeneration. Scattered red maple residual. OPIC - FMD: Stand was thinned as "Wolverine Lake Mix" (035-01-01). Suffered severe wind damage twice since the thinning. At least 1/2 of the residual basal area has blown down. Much of the standing timber has top dieback or dead tops. Thick aspen, cherry and some maple stump sprouts. Good regeneration coming in.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
73	42200 - Natural White Pine	Poletimber Medium	34.2	60	51-80	Fairly open grown white pine stand. Very limby white pine. Good spruce component. Some aspen mixed in. Lots of structural diversity.
75	42200 - Natural White Pine	Sapling Well	42.4	35	1-50	Mainly young white pine with some older residual white pine. OPIC - FMD: W3/A3 with A4/W3 pockets. Low quality aspen.
76	42200 - Natural White Pine	Poletimber Medium	15.1	94	51-80	OPIC - FMD: Limby white pine with aspen. Thick M3/A3/W3 understory throughout.
78	4133 - Aspen, Mixed Pine	Poletimber Medium	91.8	30	Immature	Young aspen/white pine mixed stand. OPIC - FMD: Mainly young aspen with cherry. Scattered white pine, some mature pockets. Stand ranges from an A2/M2 to an A4. Thick A3 in areas. Variable ages, stand density and species composition throughout the stand. Open area naturally filling in with trees over time.
80	42200 - Natural White Pine	Poletimber Medium	8.0	51	1-50	OPIC - FMD: Opening filling in with white pine and low quality aspen. Aspen showing signs of rot in many trees. Open grown, short.
81	4130 - Aspen	Sapling Well	33.7	5	Immature	Stand harvested via final harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12. Regeneration 10'-20' tall. Retention pockets left.
82	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	10.7	86	51-80	Stand harvested via selection harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12. Thick regen. OPIC - FMD: Mainly red maple with beech. Most of the beech is dead or dying due to BBD. Good amount of red maple 14-16 inch in diameter. Larger red maple is lower quality. Some mortality. Pockets of M9. Good black cherry component. Hemlock throughout. 1997 comments mentioned underplanting white pine and red oak after treatment.
84	4133 - Aspen, Mixed Pine	Poletimber Medium	78.1	47	Unspecified	OPIC - FMD: Stand has a lot of variability. Pockets of A5/A6, pockets of W6, areas of A3/A4. Stand is very open in spots. Open areas have good white pine and aspen regeneration. Pockets of mature aspen with some rot showing up. Most of the aspen in the stand is younger and healthy. Some cherry and jack pine.
85	4130 - Aspen	Sapling Well	7.0	5	Immature	Stand harvested via final harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12.
86	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.2	86	111-140	OPIC - FMD: Mainly red maple and black cherry with some hard maple. Lots of white pine, aspen and balsam along the western stand edge. Large diameters along the eastern edge. Light mortality and dieback. Areas of blowdown along the private line (result of PVT cutting?). Some quality in the hard maple and black cherry. Lots of doubles, forks, etc in the red maple. Possible timber trespass?



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
87	4133 - Aspen, Mixed Pine	Poletimber Medium	16.5	51	Unspecified	OPIC - FMD: Short 3-4 stick aspen. Mostly open grown. Variability in heights, basal area, age of the aspen. Understory of aspen with some white pine. Low quality and some rot in areas.
89	4136 - Aspen, Mixed Conifer	Poletimber Well	12.0	58	81-110	Variable stand. Low to medium density mature aspen/balsam over maple saps. OPIC - FMD: Large limby white pine and low quality aspen over a thick understory of white pine. Stand overstory is sparse in many areas. Understory is thick throughout. Site better suited for white pine.
90	42200 - Natural White Pine	Poletimber Well	15.0	39	1-50	Stand consists of mainly white pine, with poor quality aspen and cherry mixed throughout. Balsam and spruce also mixed in and a few scattered large white pine. There are many non-merchantable trees. Stand extends to the south in adjacent compartment. Some semi-open areas.
91	4136 - Aspen, Mixed Conifer	Sapling Well	1.5	25	Immature	Thick aspen regen with a mix of WP, cherry, maple balsam and spruce coming in. Cut in 1992 with stand to the south in adjacent compartment.
92	429 - Mixed Upland Conifers	Poletimber Medium	21.9	53	81-110	Aspen is patchy. MO = A, WP, F OPIC - FMD: Large limby white pine and low quality aspen over a thick understory of white pine. Stand overstory is sparse in many areas. Understory is thick throughout. Site better suited for white pine.
94	4130 - Aspen	Poletimber Medium	27.1	46	Unspecified	OPIC - FMD: Young aspen with clumps of older aspen with higher basal area. A few clumps of maple. Mostly an open stand.
96	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.5	86	111-140	Pole size patches with log size patches. Old RR grade E-W through stand. Mostly open understory. OPIC - FMD: Red maple with some hard maple, cherry and aspen. Scattered large diameter white pine and spruce. Medium quality to most of the maple. Understory of M3. Small acreage stand bordering along private property.
97	4136 - Aspen, Mixed Conifer	Sapling Well	19.6	27	Immature	"Grouse Drum Sale" #012-90-01. Nice aspen regeneration. Good component of white pine and spruce regeneration mixed in.
103	4130 - Aspen	Poletimber Well	4.9	46	Unspecified	Knob of pole size aspen. OPIC - FMD: Thick, young aspen stand. Healthy. Some areas with slightly older aspen. Scattered large diameter white spruce and white pine. Change in topography between this stand and the adjacent aspen stand (stand 105).
104	4130 - Aspen	Sapling Well	105.4	27	Immature	Some semi-open areas as well as areas heavier to cherry. "East Creek Aspen Sale" (007-90-01)
105	4130 - Aspen	Sapling Well	6.5	5	Immature	Regen ~10'-20' tall. Residual cherry poles left within the stand. Stand harvested via final harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
106	42200 - Natural White Pine	Poletimber Well	49.8	53	81-110	Stand varies from sap/pole size to pole/sap size white pine with scattered pose/sap aspen. Areas of large remnant white pine. Old RR grade N-S through stand. Some areas heavier to aspen. Areas of opening growing in. Small red pine area in SE corner where scotch pine was cut out in 2012. Scotch pine has seeded into area. OPIC - FMD: Stand borders on west side of Co Rd 415. Mainly thick W3/A3 with scattered residual overstory of white pine and aspen. Small diameter, limby white pine with short low quality aspen.
107	4130 - Aspen	Sapling Well	37.6	5	Immature	Stand harvested via final harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12. Several retention pockets left.
108	4133 - Aspen, Mixed Pine	Poletimber Medium	46.3	50	51-80	Variable stand. Most is an old opening growing in. A few pockets of fully stocked timber (RM in NE corner; A in NW corner), otherwise a mix throughout of age/size/species. ORV trail used to cross corner of PVT land, but was corrected 7/2017. OPIC - FMD: Semi open aspen stand with white pine, white spruce, maple, cherry and balsam. Pockets of mature aspen and other areas are more open with young aspen. Mature aspen is showing some decline. Originally stands 107 and 108 were both part of one large stand. Split into two stands for harvesting (leave 1/2 for diversity). Stand 108 will be left for diversity for 10 years, more open with higher component of younger aspen.
109	4130 - Aspen	Sapling Well	16.7	5	Immature	Aspen 10'-20' tall. Stand harvested via final harvest as sale #42-010-09-01, "West Wolverine Aspen". Completed 10/17/12. OPIC - FMD: Higher BA of white pine near the creek corridor. Leave a 2 chain wide buffer near the creek where white pine basal area increases, diversity and retention.
111	4112 - Maple, Beech, Cherry Association	Poletimber Well	82.3	86	51-80	Thick maple, yellow birch, beech understory in the 2"-4" dbh class. Variable overstory. Cut in 1981: cut all aspen, hemlock, spruce and balsam with one stick or greater; all hardwood >16" stump; and all white pine >24" stump. OPIC - FMD: M5 stand with areas and pockets of M6. Other areas of M4/M3. Good regeneration in the understory. Yellow birch in spots. Beech is in bad shape (BBD). Red maple has some top dieback.
112	4319 - Mixed Upland Forest	Poletimber Medium	8.2	37	1-50	Old opening filling in.
113	4319 - Mixed Upland Forest	Poletimber Poor	15.2	37	1-50	Opening growing in. Provides travel corridor along adjacent clearcut edges.
114	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	32.2	86	51-80	Stand harvested via thinning harvest as sale #044-09-01, Blown Away Hardwoods. Completed 07/02/2012. Stand had received blow down damage just prior to sale setup. OPIC - FMD: Red maple stand with a component of hard maple. Scattered large white pine and white spruce. Lots of large diameter pulp quality red maple. Pockets of M9. Red maple has forks, doubles, multiple stems. Best quality in the stand is in the 9-10 inch diameter class. Quality decreases in the southern end of the stand. Beech in the stand is all but dead (BBD). Good understory throughout.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
116	4119 - Mixed Northern Hardwoods	Poletimber Well	91.9	86	51-80	Very similar looking stand as stand 111 with thick maple, yellow birch, beech understory 2"-4" dbh and variable overstory. Stand harvested in 2003 as "East Creek Hardwoods" (021-99-01). White pine seedlings and red oak acorns were planted after harvest was completed: 5/31/2006 (FTP 42-511). OPIC - FMD: Red maple stand with some beech and yellow birch. A component of hard maple. Beech is dying out of the stand (BBD). Red maple stump sprouts throughout from the harvest. Some blowdown patches. Most of the stand has very good regeneration from the harvest.
118	4112 - Maple, Beech, Cherry Association	Poletimber Well	22.3	86	81-110	Generally a pole stand with larger logs present. Advanced regen 1"-4" dbh. Old road runs N-S through stand. OPIC - FMD: Red maple with hard maple and a good component of yellow birch. Lots of pockets of larger diameter trees (M9 pockets). Lots of yellow birch regeneration in the understory. A fair amount of blowdown and broken out tops. Advanced understory in the open areas (open canopy).
119	429 - Mixed Upland Conifers	Poletimber Well	29.0	52	51-80	Flat, transitional hardwood/softwood stand. No SBW present at this time. OPIC - FMD: Balsam, white spruce, red maple and large diameter white pine. Stand borders East Creek for the southern portion of the stand. More white pine and large spruce in the southern portion while the north end has more balsam, spruce and maple. Makes a nice N/S travel corridor.
120	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.0	86	51-80	Some beech still hanging in there. Occasional YB. OPIC - FMD: Northern hardwoods stand into the access site at Peanut Lake. Approx. 10 acre parcel surrounded by small private parcels. Stand appears to have been cut heavily in the past. Good advanced regeneration throughout. Beech Bark Disease throughout, even on the saplings. Maple regeneration in open areas.
121	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	32.4	86	81-110	OPIC - FMD: Northern hardwoods stand around Bass Lake SF Campground. Most of the beech is dead (BBD). Mostly hard maple and red maple with more hemlock and yellow birch near the lake. Large White pine near the lake also. Thick M3 understory where the beech has died out and where the hazard tree removal was done in the campground.
220	42200 - Natural White Pine	Sawtimber Medium	4.7	74	111-140	White pine stand with some jack pine mixed in. Varying densities. Limby, poor form white pine.
402	42290 - Natural Mixed Pine	Poletimber Poor	19.4	41	1-50	Opening filling in over the years. ORV trail along east side of stand. Several low pothole ponds within stand. Rolling topography.
477	429 - Mixed Upland Conifers	Poletimber Poor	4.8	35	Unspecified	Opening growing in. Scattered pockets of timber along with scattered open pockets.



Stand	Cover Type	Acres	Managed Site	General Comments:
7	6225 - Bog	2.5	No	
17	6225 - Bog	1.6	No	
18	6225 - Bog	1.0	No	
32	500 - Water	1.6	No	Small pot hole lake.
42	500 - Water	2.5	No	Small pot hole lake
46	122 - Road/Parking Lot	9.2	No	County Road 455 and the cleared Right-of-Way.
59	500 - Water	2.9	No	Wolverine Lake
93	122 - Road/Parking Lot	7.4	No	County Road 415 and the cleared Right-of-Way.
110	622 - Lowland Shrub	3.2	No	OIPC: East Creek with tag alder brush. Springs and beaver dams throughout.
117	3204 - Mast Producing Shrub	10.0	No	OPIC - FMD: Open with cherry throughout. Rolling topography.
124	6225 - Bog	5.5	No	
125	122 - Road/Parking Lot	6.4	No	County Road 415 and the cleared Right-of-Way.
404	310 - Herbaceous Openland	1.9	No	Open depression rimmed with trees.
406	310 - Herbaceous Openland	3.7	No	
412	3302 - Low Density Conifer Trees	29.0	No	Opening slowly filling in with jack pine, white pine, cherry and aspen. Contains some mature trees (jack pine).
415	310 - Herbaceous Openland	1.0	No	OPIC - FMD: Grass opening with large spruce and white pine along edges. Old foundations in the opening.
416	3302 - Low Density Conifer Trees	2.0	No	Scattered limby white pine and some cherry.
422	310 - Herbaceous Openland	2.8	Yes	Grass opening, camping and parking area for the boat launch at the Bass Lake SF Campground.



Stand	Cover Type	Acres	Managed Site	General Comments:
426	3302 - Low Density Conifer Trees	9.4	No	OPIC - FMD: Large opening with a fair amount of white pine and aspen throughout. Scattered cherry.
427	310 - Herbaceous Openland	7.5	No	OPIC - FMD: Large opening with scattered white pine and aspen throughout. Scattered cherry. Pot hole lake within the boundary.
428	3302 - Low Density Conifer Trees	46.1	No	Pockets of white pine and/or jack pine. White pine seedlings too. Opening growing in. May not type out as an opening at next inventory. OPIC - FMD: Large opening with a fair amount of white pine and aspen throughout. Scattered cherry. Multiple pot hole lakes within the stand.
456	3204 - Mast Producing Shrub	58.4	No	Large opening, rolling topography. Cherry and white pine encroachment with some aspen.
462	330 - Low-Density Trees	5.3	No	Opening filling in.
464	330 - Low-Density Trees	2.4	No	Opening filling in around the edges. Center still fairly open.
468	310 - Herbaceous Openland	30.8	No	Still mainly grass but small pockets of aspen regeneration (5'-10' tall). Scattered white pine, jack pine, red pine and cherry. Old white pine stumps. OPIC - FMD: Large opening which extends onto the private land to the north. Clumps of aspen, scattered white pine and cherry.
479	310 - Herbaceous Openland	5.0	No	Opening with some encroachment from the edges. Scattered WP, cherry and aspen.
481	310 - Herbaceous Openland	5.5	No	OPIC - FMD: Large opening with scattered low quality cherry, open grown white pine and an occasional white spruce.
483	310 - Herbaceous Openland	31.4	No	OPIC - FMD: Large opening with scattered low quality cherry, open grown white pine and an occasional white spruce. Pockets of young aspen.
488	310 - Herbaceous Openland	8.1	No	OPIC - FMD: Open area with encroachment of aspen, white pine, and cherry.
495	3303 - Mixed Low Density Trees	28.5	No	Opening with scattered small pockets of trees (cherry, spruce, jack pine, white pine, red maple)
499	310 - Herbaceous Openland	20.9	No	Mainly open with a few scattered cherry and white pine. Aspen encroachment mainly on the edges.