



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42062

Entry Year 2020

Acreage: 2,247

County Chippewa

Management Area: Whitefish Vermillion Point

Revision Date: 2018-08-17

Stand Examiner: Amy Douglass

Legal Description:

T49N R06W Section(s) 4 - 8, 18 & 19

Identified Planning Goals:

To maintain and improve forest health and diversity, while managing for wildlife, fisheries, recreational and environmental concerns and needs.

Soil and topography:

Level to rolling upland consists of Deer Park fine sand. Upland/lowland complexes consist of Deer Park-Kinross complex and Kinross-Wainola complex. Rousseau fine sand areas also present.

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

State ownership within and surrounding the compartment with some private inholdings to the north.

Unique Natural Features:

MNFI identified a muskeg, mainly adjacent. Follow the Prison Camp Muskeg ERA Plan.

Archeological, Historical, and Cultural Features:

An old fire tower site is located within the compartment.

Special Management Designations or Considerations:

South Branch Betsy River is designated as a high priority trout stream.

Watershed and Fisheries Considerations:

Fisheries Values: Excellent

The South Branch Betsy River is a designated trout stream and holds a natural reproducing Brook Trout population. Access is difficult for most anglers, however those who find access do well for Brook Trout. Factor limits have already been placed along the South Branch Betsy River identifying this as a priority trout stream. Fisheries Division does not have any concerns at this time.

Wildlife Habitat Considerations:

Compartment 62 lies in northwestern Chippewa county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and in the Whitefish-Vermillion Management Area. Featured species of the management area include moose, spruce grouse, red crossbill and piping plover. The Betsy River runs along the eastern edge of the compartment and provides a continuous north-south wildlife travel corridor through the compartment. Numerous streams and drainages feed into the Betsy River throughout the compartment and will be protected as riparian corridors. The compartment is quite diverse with an intermixing of jack and red pine stands, marshes, lowland brush and aspen occurring. Occasional scattered birch, spruce and white pine stands exist as well.

Wildlife objectives will be achieved by the retention of hard mast producing trees, wildlife den and nest trees and snags in harvested stands. Low ground leatherleaf areas will be avoided during harvest to preserve wetland wildlife values and habitats and retention patches will be placed in these locations to help achieve this. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats. Wildlife species expected to use this compartment include ruffed and spruce grouse, white-tailed deer, black bear, moose, otter, mink, coyotes, gray wolves, fox, bobcat, and fisher.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area, and there appears to only be minor sand potential within the compartment. 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:

From Paradise, travel west on M-123 ~ 5 miles to the Maple Block/Widewaters Road. Continue north on the Widewaters Road (which is a County maintained sand road) ~ 2 miles to middle portion of compartment. Interior access is limited to poor sand roads/trails, mainly accessible during the non-winter months.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

Snowmobile trail 452 follows Widewaters Road.

Fire Protection:

The compartment is within the Whitefish Zone Dispatch Plan area. Large fire runs are possible in the areas of continuous Pine types. There are small areas of hardwoods and lowland types that could provide changes in fuel types and help suppression activities. Poor sand roads/trails may limit or require some effort for access with wheeled heavy equipment.

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

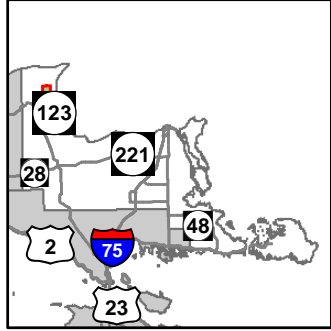
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

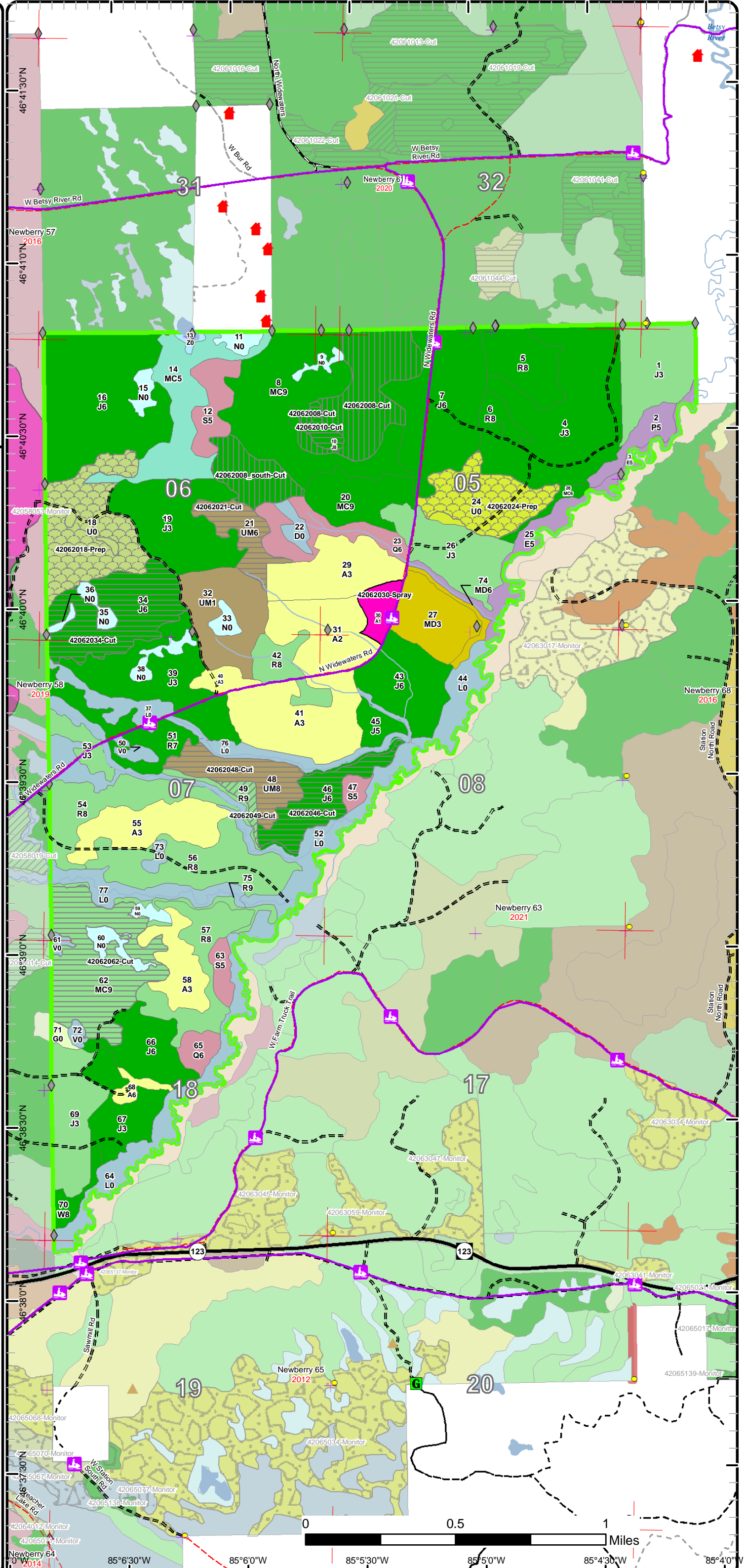
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 62
 T49N, R06W, Sec. 4-8, 18, 19
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,247 GIS Calculated
 Examiner: Amy Douglass
 Map Revised: 4/23/2019
 Map Phase: Post-Review

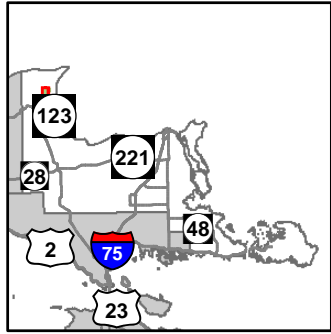


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- - - DNR - Forest Access Route
- Federal / State Highway
- - - County - Dirt Road (Seasonal)
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Cabin
- Structures
- Compartment Boundary
- ****INCORRECT ATTRIBUTES****
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

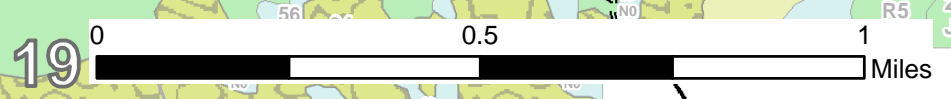
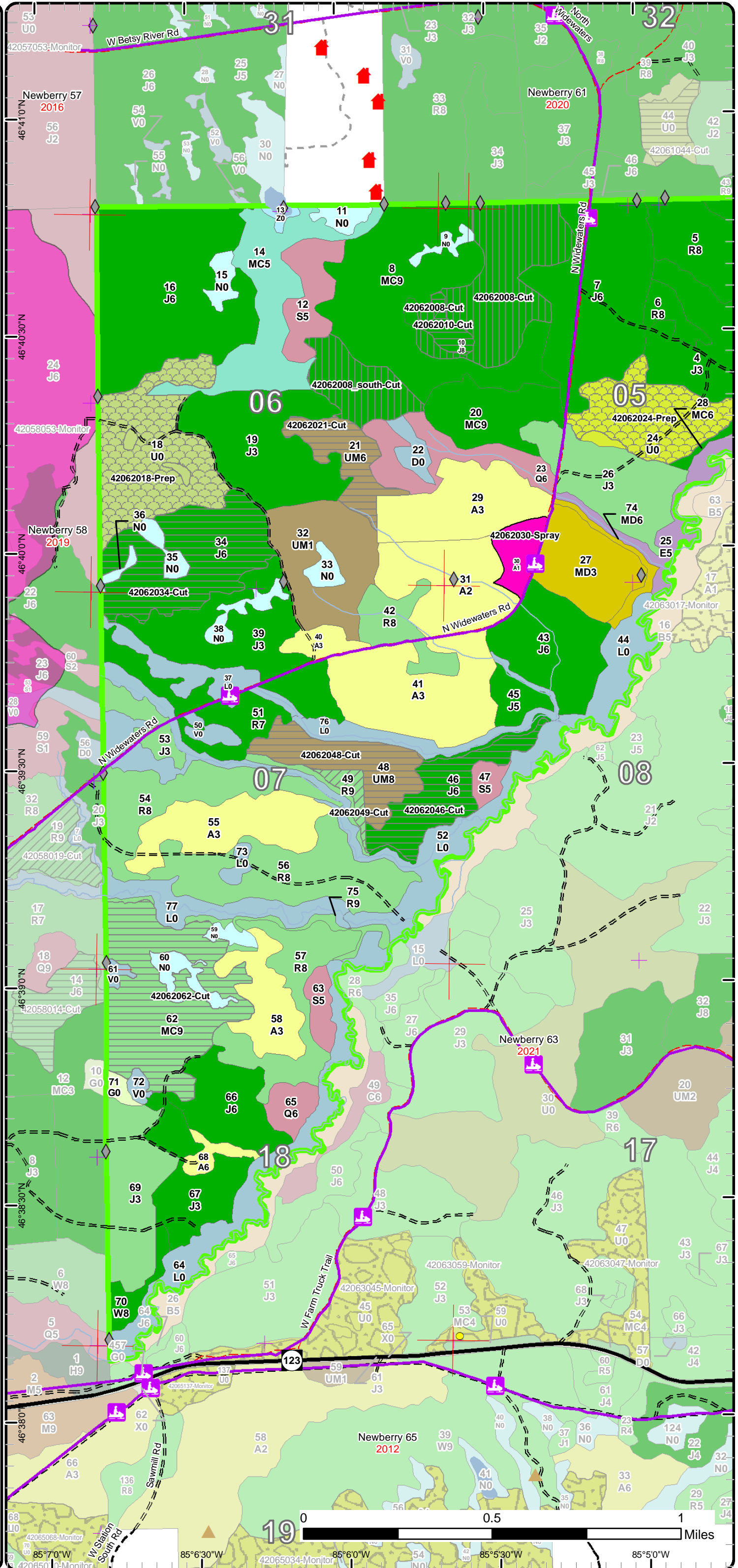


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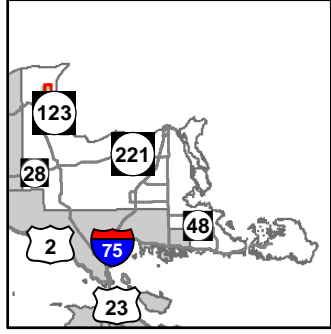
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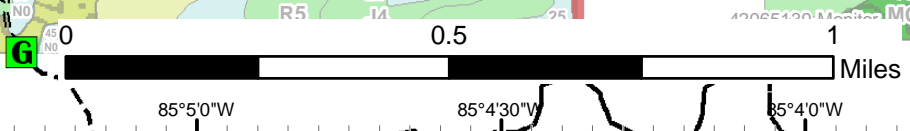
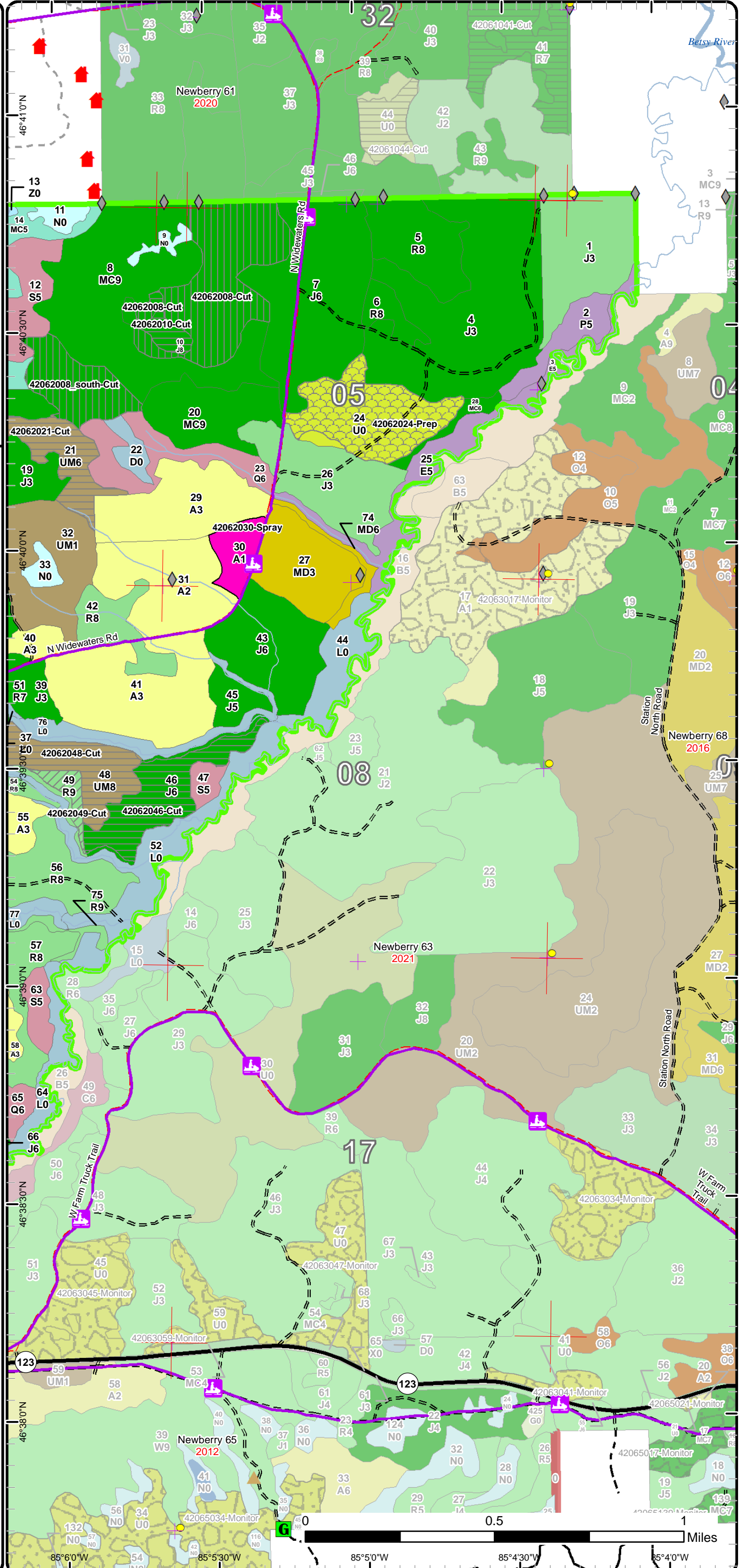
85°6'30"W 85°6'0"W 85°5'30"W 85°5'0"W

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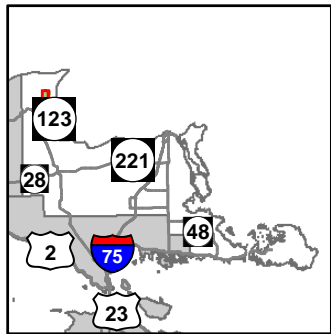


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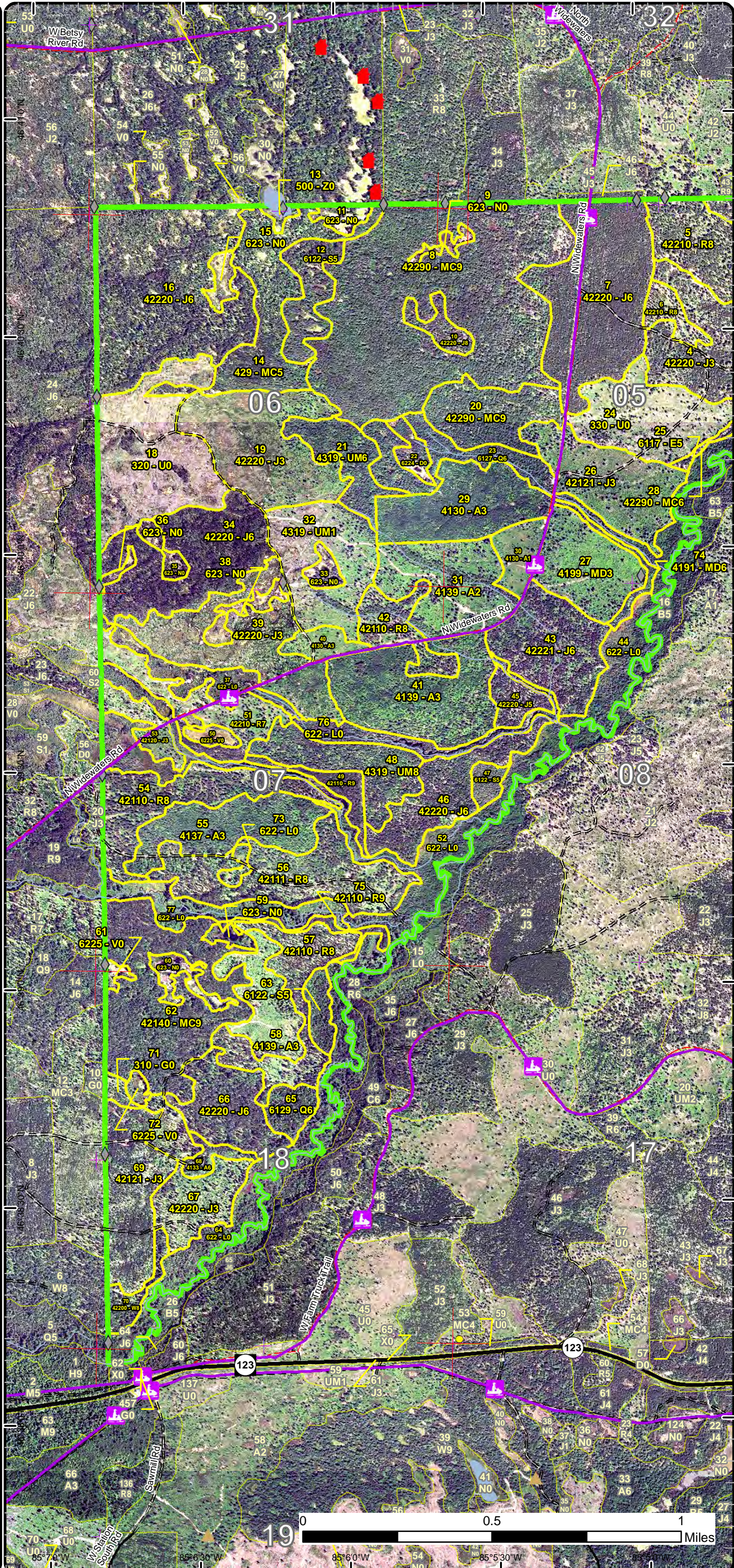


Stand Boundary Map

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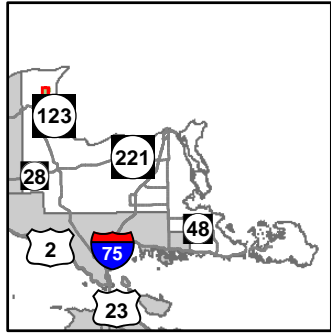


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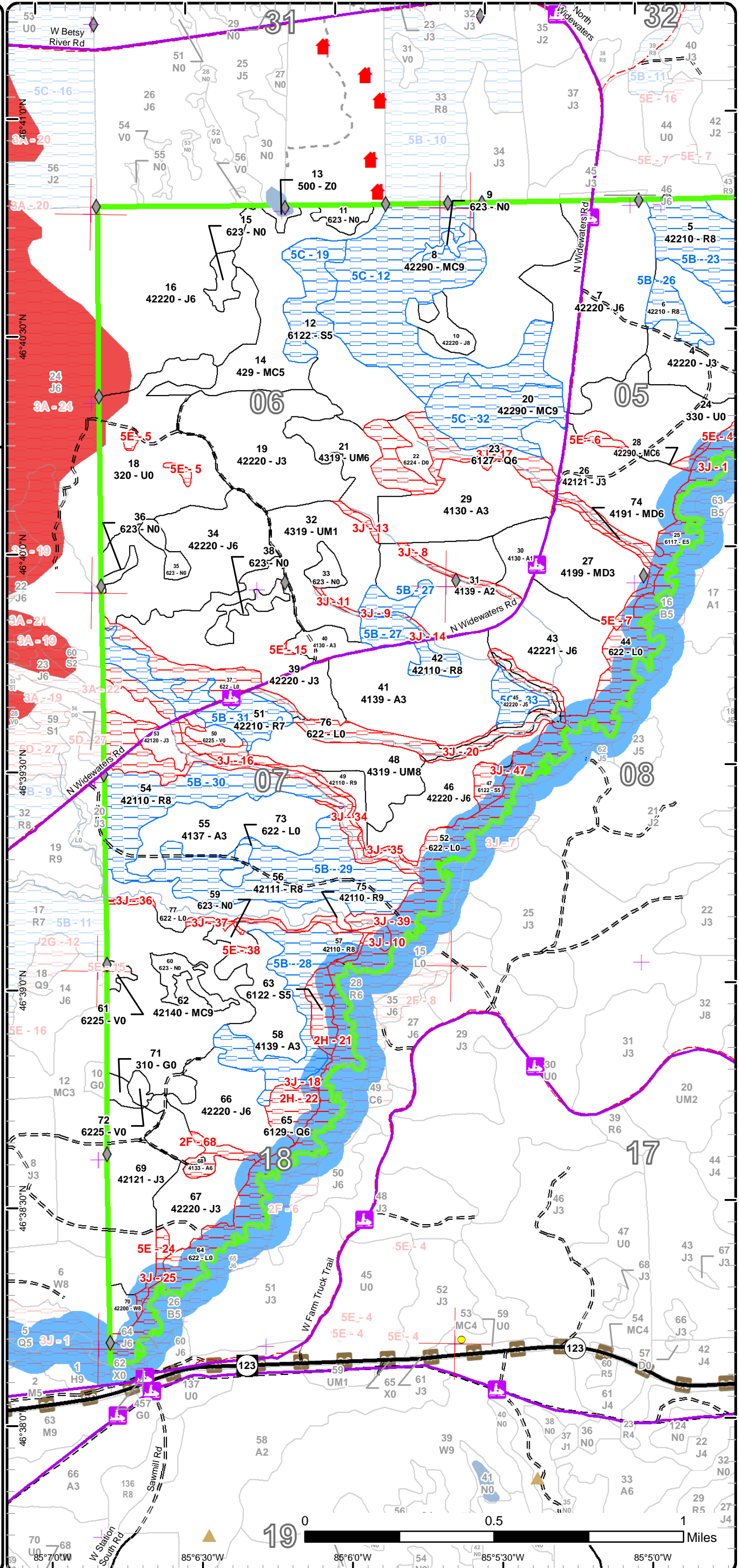


Special Conservation Areas & Site Conditions Map

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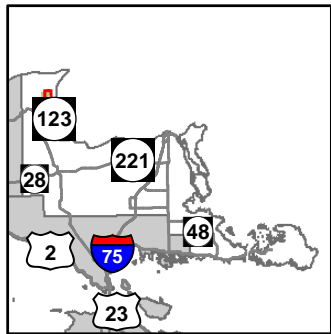


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- High Priority Trout Stream Buffer

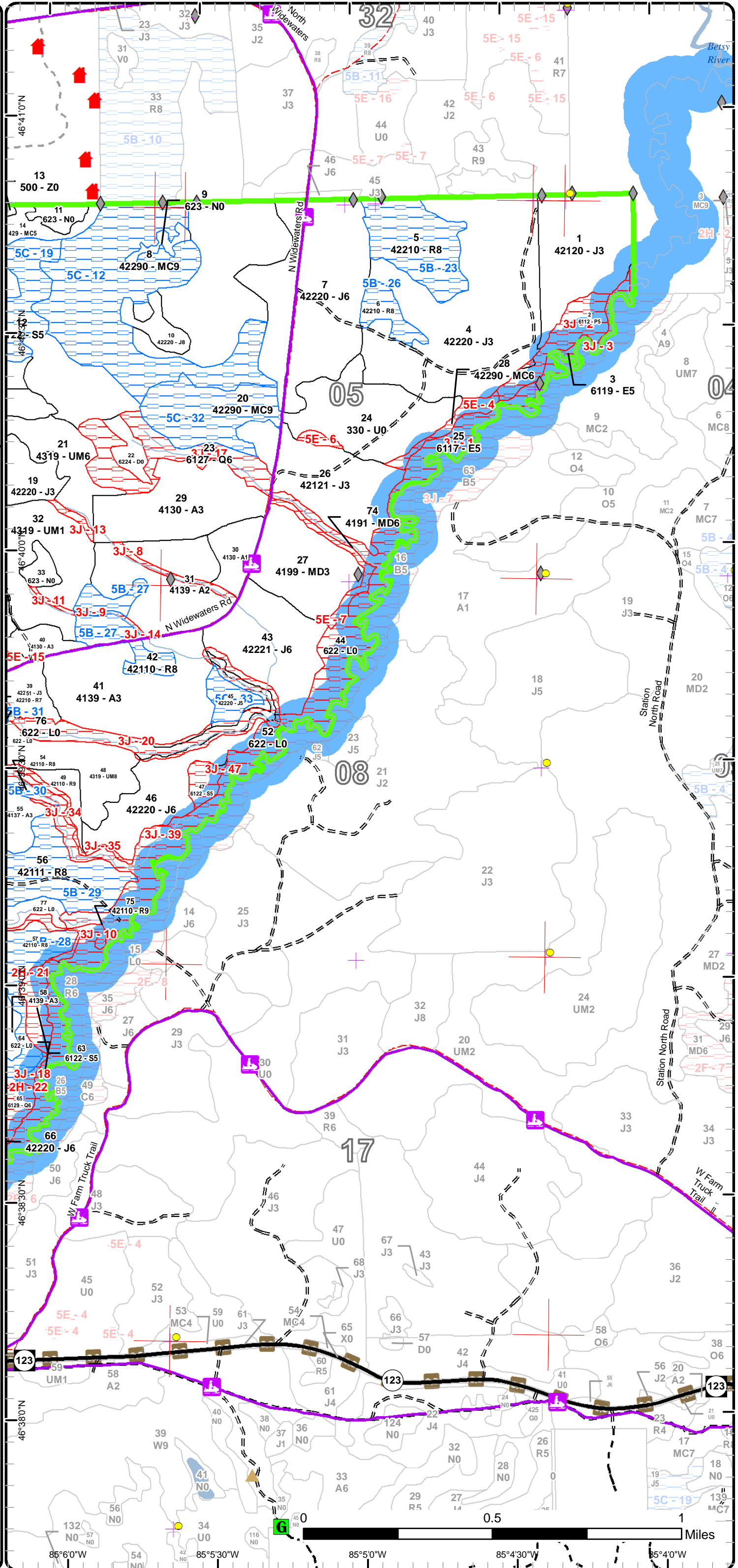


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Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 62

Year of Entry 2020

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	93	0	146	0	0	0	0	0	6	0	0	0	0	0	0	0	0	245
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Jack Pine	0	0	295	0	221	105	43	45	0	8	61	0	0	0	0	0	0	0	778
Low-Density Trees	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	15
Lowland Conifers	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	36
Lowland Deciduous	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	34
Lowland Shrub	194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	21	0	14	0	0	0	0	0	0	35
Marsh	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Mixed Upland Deciduous	0	35	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	41
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	5	213	0	0	0	0	0	0	0	217
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	80	0	0	0	0	0	0	0	0	80
Red Pine	0	0	0	0	0	0	0	0	29	169	40	0	0	0	0	0	0	0	238
Treed Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Conifers	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Upland Mixed Forest	0	45	0	0	0	0	0	0	32	0	22	0	0	0	0	0	0	0	98
Upland Shrub	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Total	372	173	295	146	272	105	43	45	61	389	336	14	0	0	0	0	0	0	2248



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 62

Total Compartment Acres: 2,247

Commercial Harvest - 322
 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
Jack Pine	99	0	0	0	0	0	0	0	0	99
Natural Mixed Pines	0	0	0	0	87	0	0	0	0	87
Planted Mixed Pines	77	0	0	0	0	0	0	0	0	77
Red Pine	0	0	0	0	0	6	0	0	0	6
Upland Mixed Forest	54	0	0	0	0	0	0	0	0	54
Total	230	0	0	0	87	6	0	0	0	322

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	322	110	0	0	0	12	0	0	0	445
Next Step	0	453	324	127	77	77	886	0	0	1944
Total	322	563	324	127	77	90	886	0	0	2388



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
8	42062008_south-Cut	25.9	42290 - Natural Mixed Pine	Sawtimber Well	90	111-140	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Two-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all jack pine, birch and aspen. Mark red pine/white pine down to approx. 30 - 40 BA. Some areas may be more of a jack pine clearcut. Leave oak for mast and a component of birch for soft snag development for wildlife.

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

Acceptable Regen: Jack pine with red pine/white pine. Oak, aspen and spruce as associates.

Other Comment: Hold for 5 years and cut with adjacent stand to the south. Scarify following harvest to promote mixed pine species.

Proposed Start Date: 10/1 /2024

8	42062008-Cut	60.6	42290 - Natural Mixed Pine	Sawtimber Well	90	111-140	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Two-Aged	Draft Field Boundary
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Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Jack pine with red pine/white pine. Oak, aspen and spruce as associates.

Other Comment: Scarify following harvest to promote mixed pine species.

Proposed Start Date: 10/1 /2019

10	42062010-Cut	6.8	42220 - Natural Jack Pine	Sawtimber Medium	87	Unspecified	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with no retention due to small acreage. Leave oak for mast production and species diversity if it exists.

Specs:

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

Acceptable Regen: Jack pine with a component of red pine and white pine and oak.

Other Comment:

Proposed Start Date: 10/1 /2019

18	42062018-Prep	66.1	320 - Upland Shrub	Nonstocked	0	Unspecified	SitePrep	Trenching	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Trench prior to furrow seeding or hand planting of jack pine. Includes areas of high and low ground. Do not trench low ground areas to keep them intact for invertebrate species.

Specs:

Next Step Seeding, Machine Seed; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant

Acceptable Regen: Jack pine with spruce. Minor component of red/white pine.

Other Comment: FTP C42-775 called for planting to jack pine if scarification failed.

Proposed Start Date: 10/1 /2018



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	42062021-Cut	21.9	4319 - Mixed Upland Forest	Poletimber Well	92	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut all species leaving single tree retention. Leave 1 tree of any species (variable diameters and all species represented) per acre for structural diversity for nesting birds.

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

Acceptable Regen: Birch, aspen, jack pine with components of red pine, white pine and oak.

Other Comment: May decide to scarify if enough jack pine is present to warrant. Hold for 5 years and set up with stand 34.

Proposed Start Date: 10/1 /2024

24	42062024-Prep	44.0	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Trenching	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Trench in preparation of hand planting to jack pine. Try to protect standing residual trees. Avoid any areas of advanced regeneration to add diversity to the stand for wildlife value.

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant

Acceptable Regen: Jack pine with minor amounts of red pine/white pine and oak.

Other Comment: FTP C42-779 called for planting to jack pine if scarification failed.

Proposed Start Date: 10/1 /2018

30	42062030-Spray	12.4	4130 - Aspen	Sapling Poor	5	Immature	Pesticide	ERROR	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mechanical spray stand (failed jack pine scarification) to reduce initial competition prior to trenching and planting to jack pine. Try to protect standing residual trees.

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); SitePrep, Trenching; Planting, Initial Plant

Acceptable Regen: Jack pine with minor component of red/white pine and oak.

Other Comment: FTP C42-779 called for planting to jack pine if scarification failed.

Proposed Start Date: 10/1 /2018

34	42062034-Cut	60.6	42220 - Natural Jack Pine	Poletimber Well	91	Unspecified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut all species leaving patch retention. Retention should generally be left around the lowland pockets (NO stands), with at least one being located in the east half of the stand.

Next Step SitePrep, Scarification; Seeding, Machine Seed; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant;

Acceptable Regen: Jack pine with spruce. Minor component of red/white pine.

Other Comment: Mimic looks of stand 18 for cutting/retention. Treatment area may be lower due to the bog inclusions/retention. Hold for 5 years due to green-up issues with stand 18. Follow harvest with scarification and seeding. Plant to jack pine if scarification fails.

Proposed Start Date: 10/1 /2024



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
46	42062046-Cut	31.6	42220 - Natural Jack Pine	Poletimber Well	69	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut all species, leaving patch retention. Leave a component of large diameter red and/or white pine.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Jack pine with minor component of red/white pine and aspen.

Regen:

Other Streams are buffered by 100' on treatment shape. Topography is quite evident along most edges - razor back ridges along stream corridors will

Comment: limit harvest area. Current buffer shown is adequate. Retain this treed buffer for loafing moose.

Proposed Start Date: 10/1 /2019

48	42062048-Cut	31.7	4319 - Mixed Upland Forest	Sawtimber Medium	79	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut all species, leaving pocket retention. Leave a component of large diameter red and/or white pine.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Jack pine/aspen with minor components of red/white pine, oak and birch.

Regen:

Other Some areas may be unharvestable, due to steepness. Be sure to maintain 100' buffer along streams. Topography is evident here with razor back

Comment: ridges along stream banks. Current buffer shown is adequate. Retain this treed buffer for loafing moose.

Proposed Start Date: 10/1 /2019

49	42062049-Cut	5.7	42110 - Planted Red Pine	Sawtimber Well	81	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin down to approx. 120 BA.

Specs:Next Step

Treatments:

AcceptableRegen:

Other Buffer stream by 100', as shown on treatment shape. Topography is evident here - razor back ridge along the river edge will limit what can be

Comment: harvested.

Proposed Start Date: 10/1 /2019

62	42062062-Cut	77.2	42140 - Planted Mixed Pine	Sawtimber Well	81	141- 170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention to be on the edges. Some retention could be left around bogs and N0 types. Leave oak. May need retention pocket along compartment line near adjacent cut 42058014. Check when that compartment is set up in FY 2019.

Specs:

Next Step Burn, Slash; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide,

Treatments: (Inactive)Aerial

Acceptable Red pine with minor components of jack pine, white pine and oak.

Regen:

Other Burn following harvest if feasible. Trench/plant to red pine. Many low pockets will change acres treated, especially what can be trenched.

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 444.5**

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
245	234	0	11

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions						
					5B	5C	2F	2H	3A	3J	5E
245	234	0	11	Aspen	0	0	6			5	0
9	9	0	0	Bog	0					0	0
3	3	0	0	Herbaceous Openland							
777	762	7	8	Jack Pine	0	7	0		0	8	0
46	44	0	2	Low-Density Trees		0					2
15	0	0	15	Lowland Aspen/Balsam Poplar						15	
36	0	0	36	Lowland Conifers		0		10		26	
34	1	0	33	Lowland Deciduous						33	0
194	26	0	168	Lowland Shrub	0		0	0		168	
35	0	21	13	Lowland Spruce/Fir	0	21		8		5	
43	43	0	0	Marsh	0	0				0	0
41	35	0	6	Mixed Upland Deciduous						0	6
218	86	126	5	Natural Mixed Pines		126				0	5
80	77	0	3	Planted Mixed Pines	0					2	1
238	6	216	16	Red Pine	216			0		16	
6	6	0	0	Treed Bog						0	
51	51	0	0	Upland Conifers	0	0					
98	96	0	3	Upland Mixed Forest	0					3	
68	66	0	2	Upland Shrub							2
2	2	0	0	Water							
9	5	0	4	White Pine						1	2
2,247	1,553	370	324	Total Forested Acres	216	154	6	18	0	282	18
	69%	16%	14%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	2F: Too steep	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Evaluated for SBW.							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	2F: Too steep	1C: Other dept or div proc/practices	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std. 24)							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std. 24)							
7	Unavailable	5E: Long-Term Retention	6	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 27)							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 31 & 30)							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Feeder Stream Pine (std 57)							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 32)							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	94	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 32)							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 31)							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

15	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Multi-buffer Mix (std 40)							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2F: Too steep	5E: Long-Term Retention	Unspecified	Unspecified
Comments: Retention for Cold Ride JP (std 51)							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Retention for Feeder Stream Pine (std 57)							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5B: Maintain for regeneration purposes	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

27	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5B: Maintain for regeneration purposes	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5B: Maintain for regeneration purposes	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5B: Maintain for regeneration purposes	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5B: Maintain for regeneration purposes	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Hold for 10 years.							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for 10 years and cut when stand 43 is cut.							
34	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 62
Year of Entry: 2020

39	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	133	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2E: Road needed	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified
Comments:							
68	Unavailable	2F: Too steep	6	3I: Historical / archeological (add locked comments)	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.
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.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42120 - Planted Jack Pine	Sapling Well	45.8	12	Immature	OPIC - FMD: Stand harvested as Betsy River Jack Pine (018-00-01). Completed 08/19/03. Residual ridges of red pine within; some oak. Cultural work never completed (42-526). Regeneration survey 5/2006 = 506 t/ac, mixed regeneration. Trenching completed 10/17/2006, with planting planned for spring, 2007. Hand planted 5/17/2007 with 2-0 JP (MI seedlot 0239) - 43,500 seedlings. Regeneration checked 5/23/08 = 747 t/ac (182 nat'l, 565 planted).
2	6112 - Lowland Aspen	Poletimber Medium	14.6	83	51-80	OPIC - FMD: Stand is along a steep sidehill continuing down to river; recommended by Fish Division last entry that all conifers and birch be left and cut all else. The only portion of stand treated last entry year was on top of ridge due to access and BMP issues for the rest of stand.
3	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	9.7	83	51-80	OPIC - FMD: Low quality - buffer for Betsy River. Mixed softwood includes: F,S,C,W.
4	42220 - Natural Jack Pine	Sapling Well	109.7	34	Immature	Coming into pole size. OPIC - FMD: T. sale # 003-80 - cut fall, 1983. Contains residual RP and some WP; scarified in 1984 and 1985 (FTP C42-78).
5	42210 - Natural Red Pine	Sawtimber Medium	31.4	93	51-80	Small inclusions of JP regeneration; otherwise scattered WP saplings. OK to regenerate at a later date. Jack pine removed from stand under t. sale #003-80, cut in 1983. Stand harvested via thinning as sale #030-10-01, Four Corners RP. Completed 12/04/2013.
6	42210 - Natural Red Pine	Sawtimber Medium	8.8	99	51-80	Some JP edge regeneration effect. Not much new regen from last cut. OK to regenerate at a later date. OPIC - FMD: Concentrated RP stand left after cut in the 1980's; scattered areas of good JP regeneration. Manage for both R,J. Thin to encourage nat'l regeneration. Stand harvested via shelterwood as sale #030-10-01, Four Corners RP. Completed 12/04/2013.
7	42220 - Natural Jack Pine	Poletimber Well	80.1	37	Unspecified	Just coming into pole size. OPIC - FMD: T. sale #16-78A cut 1978-79. C42-107: direct seeding in March, 1981 and C42-187: scarification in 1980. A few large red, white pine within.
8	42290 - Natural Mixed Pine	Sawtimber Well	180.4	90	111-140	OPIC - FMD: Rolling terrain and low areas, creating mixed stand composition: pockets of WP (clean, straight stems fairly weevil-free) changing to mix of RP, JP with aspen/oak. PB scattered throughout. JP within is slowly dying out of stand - mostly present on edge of stand. Old RR grade bisects portion of stand. Mixed spp includes: A,B,S. Continue to manage for mixed composition of R/W with J. Mainly open stand. Pockets heavier to JP. RP/WP logs (~14") with ~8" WP (some RP) poles. Spruce in lower areas.
10	42220 - Natural Jack Pine	Sawtimber Medium	8.2	87	Unspecified	Old, dying JP. Semi-open area with low, leatherleaf pockets.
12	6122 - Black Spruce	Poletimber Medium	21.0	87	Unspecified	OPIC - FMD: Intermixed w/ bogs (spruce, pine, birch) and ridges (pine, birch). Open boggy areas; usually very wet.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	429 - Mixed Upland Conifers	Poletimber Medium	50.9	36	51-80	T. sale #14-80A cut 1982-83. Scarification comments indicate that the north end (more of a A/B mix) was too wet for roller chopper, and anchor chains were used. Variable stand. Some scattered large diameter WP/RP. Areas heavier to JP and areas without much JP. Occasional oak.
16	42220 - Natural Jack Pine	Poletimber Well	105.1	49	Unspecified	Mixture of high and low ground. Occasional PB, RP, WP. Timber sale #11-67A cut in 1968, with some uncut inclusions. Old roads have grown in from timber sale.
19	42220 - Natural Jack Pine	Sapling Well	60.0	15	Immature	Good regeneration. OPIC - FMD: Scattered low areas w/in : bog/low type w/4" dbh JP. Stand cut as Main Road Jack Pine timber sale (014-00-01) - units 3,4. Harvested winter 2002-03 and closed 9-11-03. Cultivation (42-522) never completed. Regeneration survey 5/06 = 644 t/ac, but comments included state "poorly stocked - many wet spots". Site was reviewed in August, 2006 and found to have lower JP regeneration, but a high component of spruce, which is acceptable. Wet areas always existed.
20	42290 - Natural Mixed Pine	Sawtimber Well	32.1	92	111-140	Steep to rolling ridges of smaller A/B with R/W interspersed. Oak present. Some WP, RP and F reproduction also. MO can be a mix of any of these. Can hold for 10 years. Some areas may be unharvestable due to steep terrain.
21	4319 - Mixed Upland Forest	Poletimber Well	21.9	92	51-80	OPIC - FMD: A lot of the birch is dead/dying already, stand will slowly convert. Treat stand when adjacent stand is treated - more feasible. Old grade runs through stand.
23	6127 - Lowland Pine	Poletimber Well	26.3	87	51-80	OPIC - FMD: Contains intermittent drainage and surrounds treed bog/marsh/water type, which will need to be avoided whenever thinning occurs (stand may become too small to bother with treating). Some fairly nice WP poles, in places. RM understory and small PB within; some dead overmature birch and aspen.
25	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	23.8	83	51-80	OPIC - FMD: Contains timber within and on fringes; low quality timber buffer for Betsy River.
26	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	44.6	12	Immature	OPIC - FMD: Leave red and white pine. Stand was harvested as Feeder Creek Jack Pine (022-00-01) timber sale. Sale was completed 5/7/03. Scarification never completed (42-530); regeneration survey 5/2006 = 545 t/ac (mixed spp). Survey comments state, "poor stocking". Trenching completed 10/10/2006 (44 acres) with planting to occur spring, 2007. Hand planted 5/17/2007 with 2-0 JP (MI seedlot 0239) - 45,000 seedlings. Regeneration checked in 2008 = 726 t/ac ~ 0.5' height (165 nat'l, 561 planted).
27	4199 - Other Mixed Upland Deciduous	Sapling Well	35.3	6	Immature	OPIC - FMD: Along the intermittent stream corridor, which runs along the stand's north and east boundary, the edges contain mostly S/F and W, and will be left as a buffer. Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Regeneration adequate.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	42290 - Natural Mixed Pine	Poletimber Well	5.3	80	Unspecified	Small rustic camping spot at far east end of stand (near river) - fairly steep with more R,W than J. Retention for sale #033-10-01, Multi Buffer Mix.
29	4130 - Aspen	Sapling Well	44.2	25	Immature	Occasional WP residual. OPIC - FMD: Sale # 9-91 "Widewaters Road Birch", cut summer, 1993. Most of the volume removed was A, PB, WP with misc. J, F and M cut. Mixed regeneration present - noted cherry, J,W, and F; not as much PB.
30	4130 - Aspen	Sapling Poor	12.4	5	Immature	Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Scarification for JP regeneration never completed. MO of mixed species is acceptable. JP present but not fully stocked with JP. Open areas present. Seed JP in open areas?
31	4139 - Aspen, Mixed Deciduous	Sapling Medium	45.5	6	Immature	Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Intermittent stream buffer inclusion (aspen, birch, white pine). Regeneration is adequate.
32	4319 - Mixed Upland Forest	Sapling Poor	44.5	5	Immature	Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Scarification (FTP 42-779) was not completed. JP just poking up out of snow (3/1/18). Not fully stocked with JP, but adequate in many places.
34	42220 - Natural Jack Pine	Poletimber Well	60.6	91	Unspecified	Mixture of high and low ground. Numerous low/marsh pockets within stand.
39	42220 - Natural Jack Pine	Sapling Well	57.8	15	Immature	OPIC - FMD: Stand cut as "Main Road Jack Pine" timber sale (014-00-01) - units 1,2. Harvested summer, 2003 and closed 9/11/03. Cultivation (42-522) never completed. USFS picked JP cones here within the summer of 2003. Regeneration survey 5/06 = 644 t/ac, but comments included state "poorly stocked - many wet spots". Site was reviewed and found to have lower JP regeneration, but a high component of spruce, which is acceptable. Wet areas always existed.
40	4130 - Aspen	Sapling Well	8.6	6	Immature	Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Adequate regeneration noted.
41	4139 - Aspen, Mixed Deciduous	Sapling Well	61.0	26	Immature	Variable stand. Good diversity. OPIC - FMD: Sale # 15-91 "Tagalder Creek Aspen" cut Sp, 1992. Some residual RM left (which was to have been TSI'ed) and RP,Oak. Other regeneration noted includes: cherry, R,W, S, F. A buffer strip of timber was left along low type/slope.
42	42110 - Planted Red Pine	Sawtimber Medium	19.3	81	51-80	Stand harvested via shelterwood as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Little to no regeneration from cut. OK to regenerate at a later date. OPIC - FMD: Planted in 1938 with 3-0 R,J. S. portion of stand was already partially thinned with A3 (stand 41); rolling terrain. Protect intermittent creek/stream.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	42.9	55	Unspecified	Semi-open areas. Pockets of aspen/birch, as well as individuals within jack pine. OPIC - FMD: Mixture of stuff; natural stand from harvest in the 1960's - no cultural work done. WP within is weeviled, aspen with hypoxylon. Intermittent drainage runs through the stand and develops into a fairly deep ditch before reaching the river. Jack pine varies from 1 stick (mixed with upland openings and PB clumps/A saplings) to 3-4 stick heights where stand is mostly pure. When harvest occurs, protect drainage - a unit type line will probably be sufficient to identify its location on the ground. A buffer may be needed along the low edge also.
45	42220 - Natural Jack Pine	Poletimber Medium	9.7	61	Unspecified	Rolling terrain with some semi-open areas. Occasional oak and RP. Well-defined banks/drainages along the N, E and S boundaries of the stand. Northern most point at drainage has old beaver dam. Water below the dam, but not above during inventory (7/18). Access will need to be through adjacent stand (41) whenever harvest occurs. Harvest with stand 43.
46	42220 - Natural Jack Pine	Poletimber Well	34.8	69	Unspecified	Rolling terrain with steep banks down to creeks. Difficult to access. Best access would be through adjacent stand, once scheduled, to provide more marketable volume. Mixed spp includes: A,S,R. Thicker JP, in places. Natural stand - no cultural work ever done (purchased land).
47	6122 - Black Spruce	Poletimber Medium	5.4	100	Unspecified	Low area of mainly spruce; timber is over steep edge - may never log, due to wet soils, low volume, and overall BMP issues.
48	4319 - Mixed Upland Forest	Sawtimber Medium	31.8	79	51-80	Mixed stand, of various age classes and quality. Steep aspen knobs with open, rolling terrain of PB and pine. Most of the understory reproduction is RM. Misc. spp noted includes: oak, pine, spruce/fir. Manage with adjacent stand, due to difficult access. Some areas may be unharvestable, due to steepness.
49	42110 - Planted Red Pine	Sawtimber Well	9.6	81	141-170	Planted with 3-0 R, 2-0 J in 1938. Stand includes some fairly rolling to steep terrain, with at least one razorback JP ridge (along creek) which may be unharvestable. Difficult to access stand, due to surrounding drainages. Schedule with adjacent stands. RP is in good shape. Large old WP stump remnants thru stand. Fairly open understory. Occasional WB, A poles. Some JP has died and fallen over.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	42210 - Natural Red Pine	Sawtimber Poor	28.6	79	1-50	<p>OPIC - FMD: Series of ridges, some quite steep. Can leave some isolated fingers as retention; some portions may be too steep to harvest (E. side of Widewaters Rd). Regeneration work may need to be done by seeding if terrain is too steep. W. end of stand adjoins t.sale from C. 58 ("No Name JP"). Most aspen is in the eastern half of southern portion. Western portion is more open. Seed JP here? Not fully stocked with JP in Western portion, but a fair amount visible. Some open spots noted.</p> <p>***Stand harvested via final harvest as sale #032-10-01, Cold Ride Jack Pine. Completed 10/23/13. Scarification, FTP 42-776, never completed. Regeneration check.</p> <p>Regen 2016: Did not check this stand, unsure if scarification and seeding had taken place. Assumed to be poorly stocked due to condition of stand 18.</p> <p>Some JP peaking up through snow (3/16/18). Steep ridge along L type. JP retention finger (too steep, BMP buffer) inclusion.</p>
53	42120 - Planted Jack Pine	Sapling Well	11.8	12	Immature	<p>OPIC - FMD: Up to 50% slope in areas.</p> <p>***Stand harvested as 62 Ridges Pine (42-001-01-01). Completed 6/3/04. Red pine residual left after harvest; some PB. Scarification never completed (42-536); regeneration survey done 5/06 = 308 t/ac. Trenching (partial) completed 10/5/2006, with planting to occur spring, 2007. Hand planted 5/17/2007 with 2-0 JP (MI seedlot 0239) - 8,000 seedlings. Regeneration checked 5/29/08 = 267 t/ac (W side of road) and 300t/ac (east). Big ridge. Thick JP in places, thinner in others.</p>
54	42110 - Planted Red Pine	Sawtimber Medium	40.7	80	81-110	<p>OPIC - FMD: Planted in Spring, 1938; good mix of Jack and Red Pine. May need to do add'l planting of Red Pine if nat'l regeneration is unsuccessful.</p> <p>***Stand harvested as 62 Ridges Pine (42-001-01-01). Completed 6/3/04. Scarification for red pine regeneration (conversion) never completed (42-536). Regeneration survey done 5/2006 = 308 t/ac (misc spp). Patches of JP regeneration ~20' tall.</p>
55	4137 - Aspen, Birch	Sapling Well	41.2	26	Immature	<p>OPIC - FMD: Portion of stand was harvested (1992), but sale never completed ("Snowshoe Aspen" #014-91); would be difficult to pick out patches of mature timber to harvest - stand was hygraded. Some standing dead A,PB now. Good mix of regeneration to the stand - PB, A, RM and also some R,W, S and cherry noted.</p> <p>Patches of residual timber - not clean cut, but good regen mostly throughout.</p>
56	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	58.0	81	51-80	<p>Stand harvested via Delayed Removal as sale #031-10-01, Feeder Stream Pine. Completed 09/27/13. Many rolling ridges. Lower areas with white birch. Occasional oak.</p> <p>OPIC - FMD: Stand part of planting in Spring, 1938 (3-0 R, 2-0 J). Mixed spp noted within include: S,PB, A,W. Rolling terrain and some low ground within (seasonally wet). Abandoned snowmobile route runs through stand.</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	42110 - Planted Red Pine	Sawtimber Medium	35.9	81	51-80	OPIC - FMD: Planted F, 1938 with 3-0 J,R. Some Hemlock/Cedar reproduction at the S. end. ***Stand harvested via Delayed Removal as sale #031-10-01, Feeder Stream Pine. Completed 09/27/13. Regeneration check needed. Buffer left along north side for BMP/retention. Variable regeneration under residual pine. More regen where RP residual is thinner, less where RP residual is thicker.
58	4139 - Aspen, Mixed Deciduous	Sapling Well	26.1	6	Immature	Stand harvested via final harvest as sale #031-10-01, Feeder Stream Pine. Completed 09/27/13. Adequate regeneration. Occasional oak.
62	42140 - Planted Mixed Pine	Sawtimber Well	80.2	81	141-170	Portions planted in Spring and Fall, 1938 (3-0 R, 2-0 J, 3-0 W). Low boggy pockets and fingers interspersed. Hilly to rolling terrain. Would be difficult to scarify or trench. JP dying out. Occasional oak. Variable stand.
63	6122 - Black Spruce	Poletimber Medium	8.2	100	Unspecified	OPIC - FMD: Patch of low ground with PB, pine and S. Not much volume, and would be fairly difficult to log - may be better left as SCA along river corridor. Located over a high bluff.
65	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.7	89	Unspecified	OPIC - FMD: Wet ground; steep edge (ravine) from adjacent stand. Sphagnum and tag alder noted.
66	42220 - Natural Jack Pine	Poletimber Well	31.4	35	Immature	OPIC - FMD: T. sale # 07-80A - cut in 1982-83. C42-175; seeded in March, 1984. Rolling terrain - lower ground with leatherleaf/blueberry, higher - bracken. Some uncut knobs of pine left. Regeneration is a good mix of both aspen and jack pine, and others noted include: PB,F - continue to manage for mixed spp.
67	42220 - Natural Jack Pine	Sapling Well	33.3	15	Immature	OPIC - FMD: "Tower Site Pine", sale #19-00 - harvested 12/2001. Sale completed on 1/07/02. FTP #42-529 completed 10/2002 and regeneration survey in May, 2006 = 719 t/ac. Some residual RP and WP within, esp. on steeper slopes. Small pockets of aspen, as well as scattered individual aspen.
68	4133 - Aspen, Mixed Pine	Poletimber Well	5.8	88	51-80	OPIC - FMD: Steep knob of timber; was treated, where it was feasible, under t. sale #19-00 in December 2001. Old fire tower foundation still exists. Includes a thick sidehill of RP, also.
69	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	41.4	18	Immature	OPIC - FMD: T. sale #031-90, "S. Branch Jack Pine", cut Sp, 1994. Scarification completed 11/94 C42-361 with planting done in May, 2000 (41,000 JP). Some sparse areas noted within in 2008, but overall stocking is good. Occasional RP, WP and oak residual.
70	42200 - Natural White Pine	Sawtimber Medium	8.7	81	81-110	Stand was thinned under t. sale #19-00 (Tower Site Pine) in December, 2001 (except for small portion along the section line, which contained smaller timber). FTP C42-529; scarified 10/2002. Aspen, RM, F regen mainly. Could manage on it's own or with adjacent stand to the west (C 58, std 6),

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Newberry Mgt. Unit

Report 7 – Forested Stands

Compartment: 62
Year of Entry: 2020



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.5	88	81-110	Stand runs along the intermittent stream corridor, which was left for retention purposes as part of Multi Buffer Mix (#033-10-01). The stand contains mostly WB, S/F and W, and will be left as a buffer.
75	42110 - Planted Red Pine	Sawtimber Well	5.2	80	81-110	OPIIC - FMD: Planted F, 1938 with 3-0 J,R. Stand left as buffer/retention for sale #031-10-01, Feeder Stream Pine.



Stand	Cover Type	Acres	Managed Site	General Comments:
9	623 - Emergent Wetland	3.4	No	OPIC - FMD: A few seedlings present. Ground cover mostly leatherleaf.
11	623 - Emergent Wetland	5.4	No	Some seedlings present.
13	500 - Water	2.5	No	
15	623 - Emergent Wetland	5.1	No	Seasonally ponded.
18	320 - Upland Shrub	68.3		Scattered with marsh/bogs throughout. Stand harvested via final harvest as sale #032-10-01, Cold Ride Jack Pine. Completed 10/23/13. Regen 2016: 160 TPA of jack pine, 233 TPA of black spruce. Residual basal area 10. Was supposed to have been scarified and seeded, but did not look like it had happened.
22	6224 - Treed Bog	6.4	No	Some scattered timber within.
24	330 - Low-Density Trees	45.8		Stand harvested via clearcut with reserves as sale #033-10-01, Multi Buffer Mix. Completed 12/04/2013. Scarification never completed. Southern edge has some aspen regen. Very little JP seedlings present. Standing residual WP/RP/WB. Hilly to rolling terrain with some steep ridges (especially along southern boundary).
33	623 - Emergent Wetland	4.8	No	OPIC - FMD: Stand contains grasses, iris, leatherleaf; holds water most years. Some trees left as buffer/retention for adjacent stand.
35	623 - Emergent Wetland	5.1	No	OPIC - FMD: Grasses, leatherleaf, snags.
36	623 - Emergent Wetland	1.9	No	OPIC - FMD: Grasses, leatherleaf, snags, some small saplings.
37	622 - Lowland Shrub	18.0	No	OPIC - FMD: Mostly tagalder, with small suppressed J,S PB within; bog type drainage area.
38	623 - Emergent Wetland	6.3	No	OPIC - FMD: Grasses, leatherleaf, iris, snags on edges, some small saplings.
44	622 - Lowland Shrub	21.3	No	OPIC - FMD: Buffer along Betsy River; some low quality timber within (Q, C, E).
50	6225 - Bog	4.5	No	OPIC - FMD: With leatherleaf, grasses.
52	622 - Lowland Shrub	69.2	No	OPIC - FMD: Small JP island within (along Widewaters Rd). Scattered J,S, PB and RM with tagalder,leatherleaf.
59	623 - Emergent Wetland	3.4	No	Seasonally ponded.



Stand	Cover Type	Acres	Managed Site	General Comments:
60	623 - Emergent Wetland	7.8	No	Seasonally ponded.
61	6225 - Bog	2.2	No	
64	622 - Lowland Shrub	42.5	No	OPIC - FMD: Includes fringes of timber along higher grounds. Along Betsy River.
71	310 - Herbaceous Openland	2.9		OPIC - FMD: "Tower Site Pine", sale #19-00 - harvested 12/2001. Sale completed on 1/07/02. FTP #42-529 completed 10/2002 and regeneration survey in May, 2006 = 719 t/ac. Some residual RP and WP within, esp. on steeper slopes. Burned in 2016 Prison Camp Fire. All JP regen is dead from fire. Scattered live WP/RP residual logs, especially near north end.
72	6225 - Bog	2.7	No	Burned in 2016 Prison Camp Fire. Scattered live WP/RP residual logs.
73	622 - Lowland Shrub	3.1	No	Low area within pine.
76	622 - Lowland Shrub	17.0	No	OPIC - FMD: Mostly tagalder, with small suppressed J,S PB within. Small stream corridor.
77	622 - Lowland Shrub	23.2	No	