



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42082

Entry Year 2020

Acreage: 2,143

County Luce

Management Area: Tahquamenon River Patterned Fen

Revision Date: 2018-07-30

Stand Examiner: Amy Douglass

Legal Description:

T47N R09W Section(s) 6, 7, 16, 17, 18

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:

Most of the narrow ridges are on Rousseau fine sand. Other associated soils on slight ridges are: Rousseau-Dawson complex, Rousseau-Spot complex and Kinross-Au Gres complex. Dawson, Greenwood, and Loxley soils are prominent across the treed bog areas and the lowland conifer stands are on Carbondale, Lupton, and Tawas soils, and Kinross muck.

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

Primarily State lands, with isolated private 40's. Larger private holdings are adjacent to the north.

Unique Natural Features:

The potential exists for several threatened and endangered species of flora and fauna within the compartment.

Archeological, Historical, and Cultural Features:

None noted.

Special Management Designations or Considerations:

This compartment contains part of an MNFI identified muskeg. Follow the McMahon & Sleeper Lakes ERA Plan. M-123 is designated as Tahquamenon Scenic Heritage Route.

Watershed and Fisheries Considerations:

Fisheries Values: Minimal

The Murphy Creek system flows through this compartment. The only fisheries value will be as potential nursery or forage production. Standard BMP's should apply along Murphy Creek and tributaries.

Wildlife Habitat Considerations:

Compartment 82 lies in central Luce county and is in the Seney Sand Lake Plain ecological sub-subsection and lies in the Tahquamenon River Patterned Fen Management Area. Featured species include moose, black bear, spruce grouse, snowshoe hare, blackburnian warbler and red crossbill. Much of the compartment was in the Sleeper Lakes fire area and was burned through in 2007. Pine types on the ridges were charred and scorched in places and treed bogs and marshes were often burned through. As such, numerous burned snags exist providing excellent woodpecker habitat. The compartment is a mix of pine dominated ridges surrounded by treed bogs and marshes. Murphy creek runs through the compartment providing an excellent east-west wildlife travel corridor.

Several lowland stands will be harvested with brush pile enhancements for snowshoe hare created and browse created for moose while protecting some cover for loafing areas. Seed trees, snags and den trees will be retained in any harvest. Wildlife species expected to use this compartment include white-tailed deer, moose, black bear, gray wolves and coyotes, otter, mink, fisher, and black-backed woodpeckers.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area, and potential appears to be limited 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. The state does not own the mineral rights beneath some of the compartment. Private mineral rights owners must be allowed reasonable access to the land should they choose to explore and/or develop the minerals.

Vehicle Access:

M-123 cuts through a mile on the eastern edge of the compartment. The only other road access is off Williams Road (poor sand ridge road). While the State has easement across Fossitt Road, it does not touch State land.

Survey Needs:

If proposed timber sales progress, the west line against private (NESE Section 16) and the north line against private (SESW Section 16) would need to be run.

Recreational Facilities and Opportunities:

No facilities. Opportunities for hunting, fishing, blueberry and mushroom picking.

Fire Protection:

The compartment has potential for large fire runs as observed during the 2007 Sleeper Lake Fire because of the open marsh and Pine ridge types. Large marsh areas of the compartment may challenge suppression forces, normal suppression tactics may not be able to be used. Wheeled heavy equipment access is limited to Williams Road and some connecting ridges.

Additional Compartment Information:

The majority of the compartment fell within the boundary of the Sleeper Lake Fire of August, 2007. Several research projects stemmed from the fire, but are not current at this time.

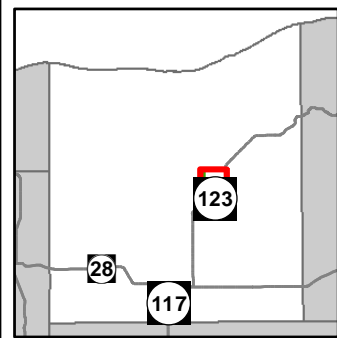
The following reports from the Inventory are attached:

- 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:

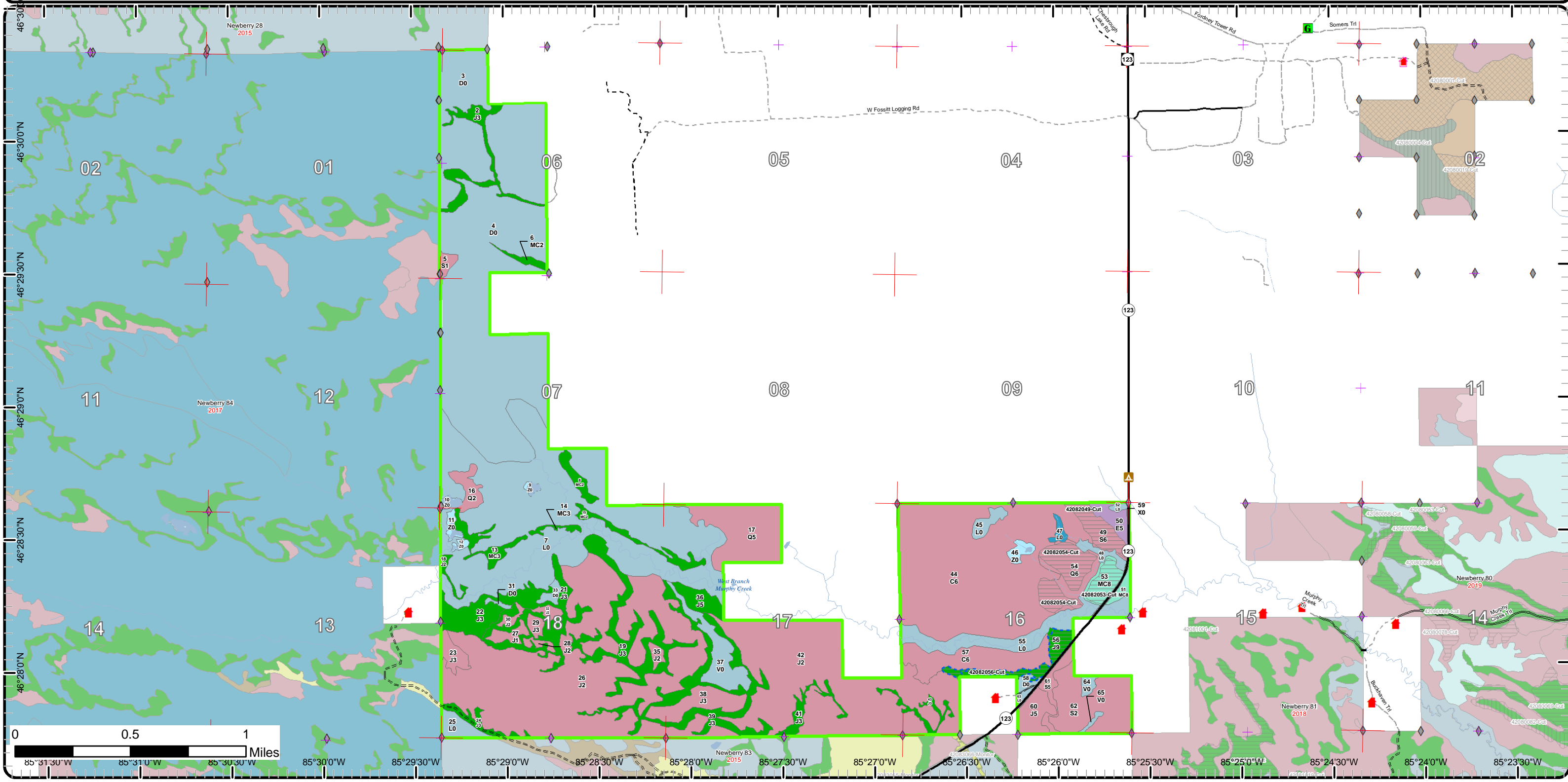
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

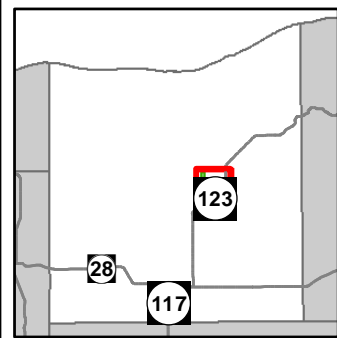


Compartment: 82
 T47N, R09W, Sec. 6, 7, 16-18
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon River
 Patterned Fens
 YOE: 2020
 Acres: 2,143 GIS Calculated
 Examiner: Amy Douglass
 Map Revised: 4/23/2019
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- 🏠 Cabin
- ▲ Campground
- 🏠 Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

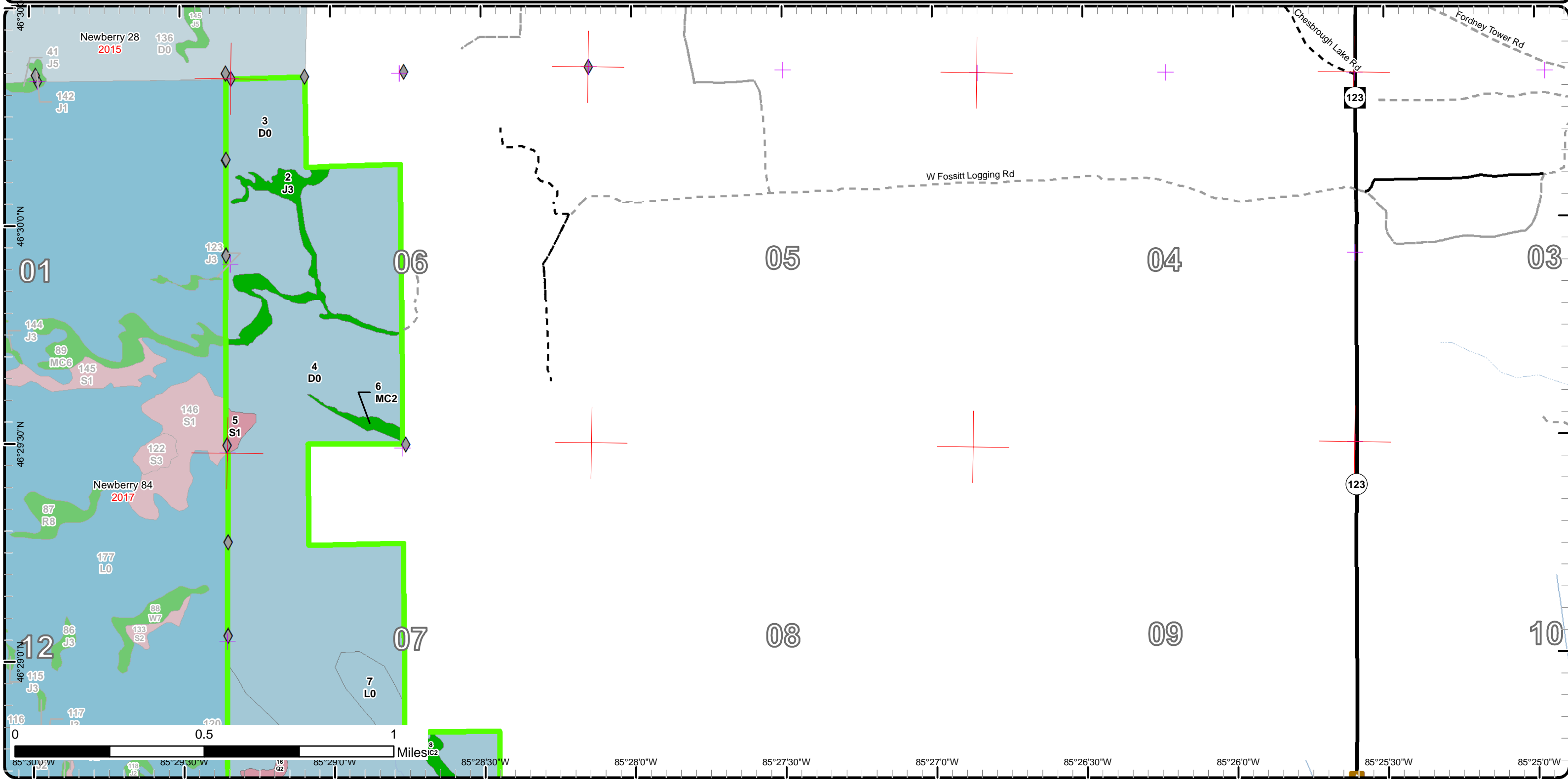


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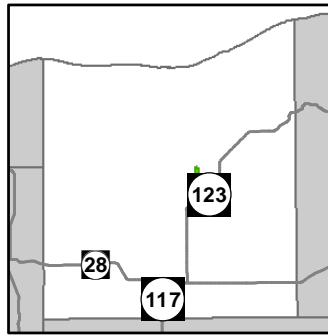
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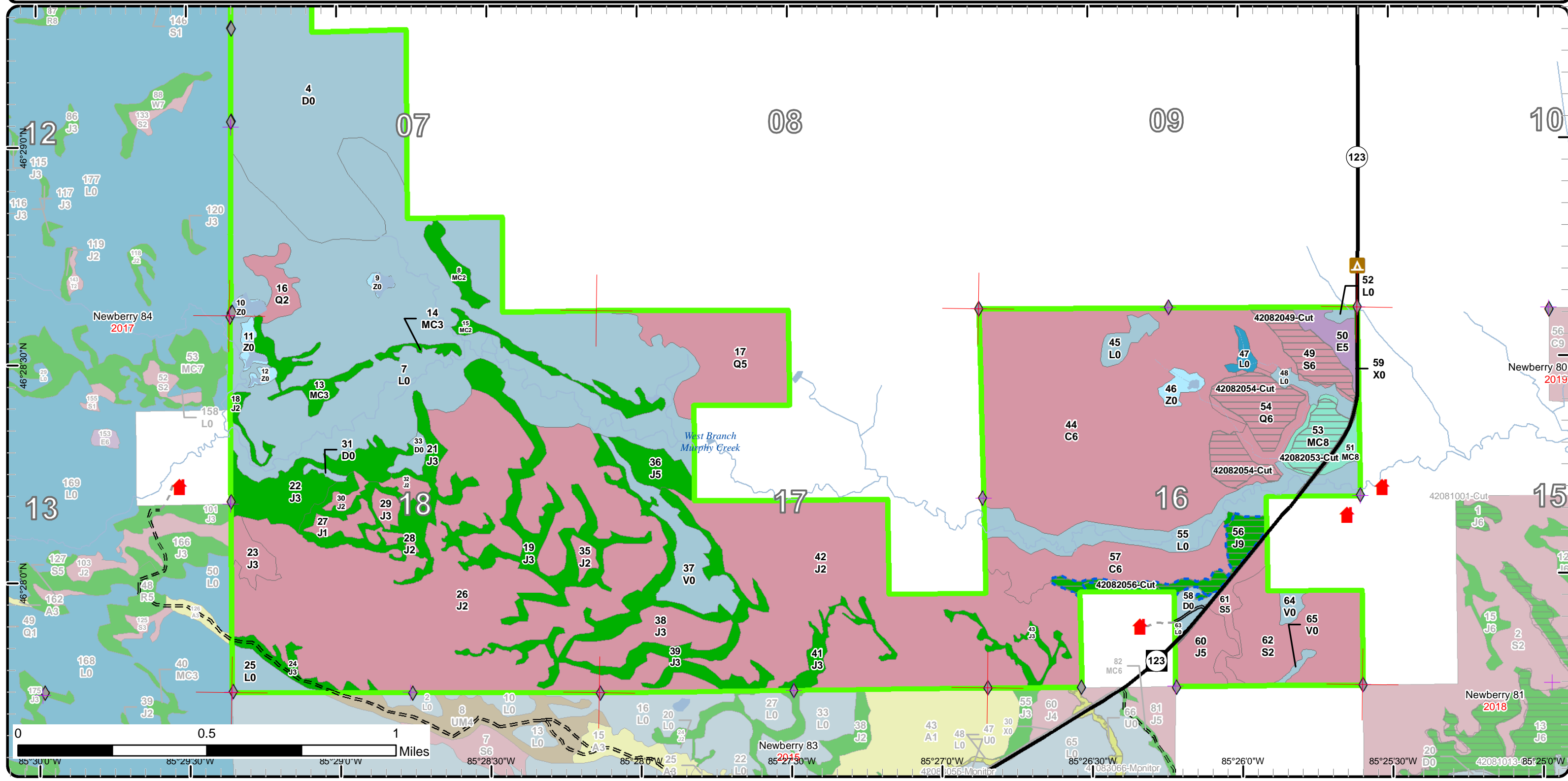


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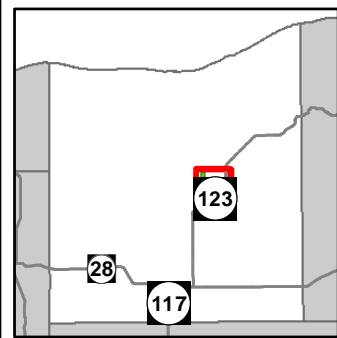


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- Lakes

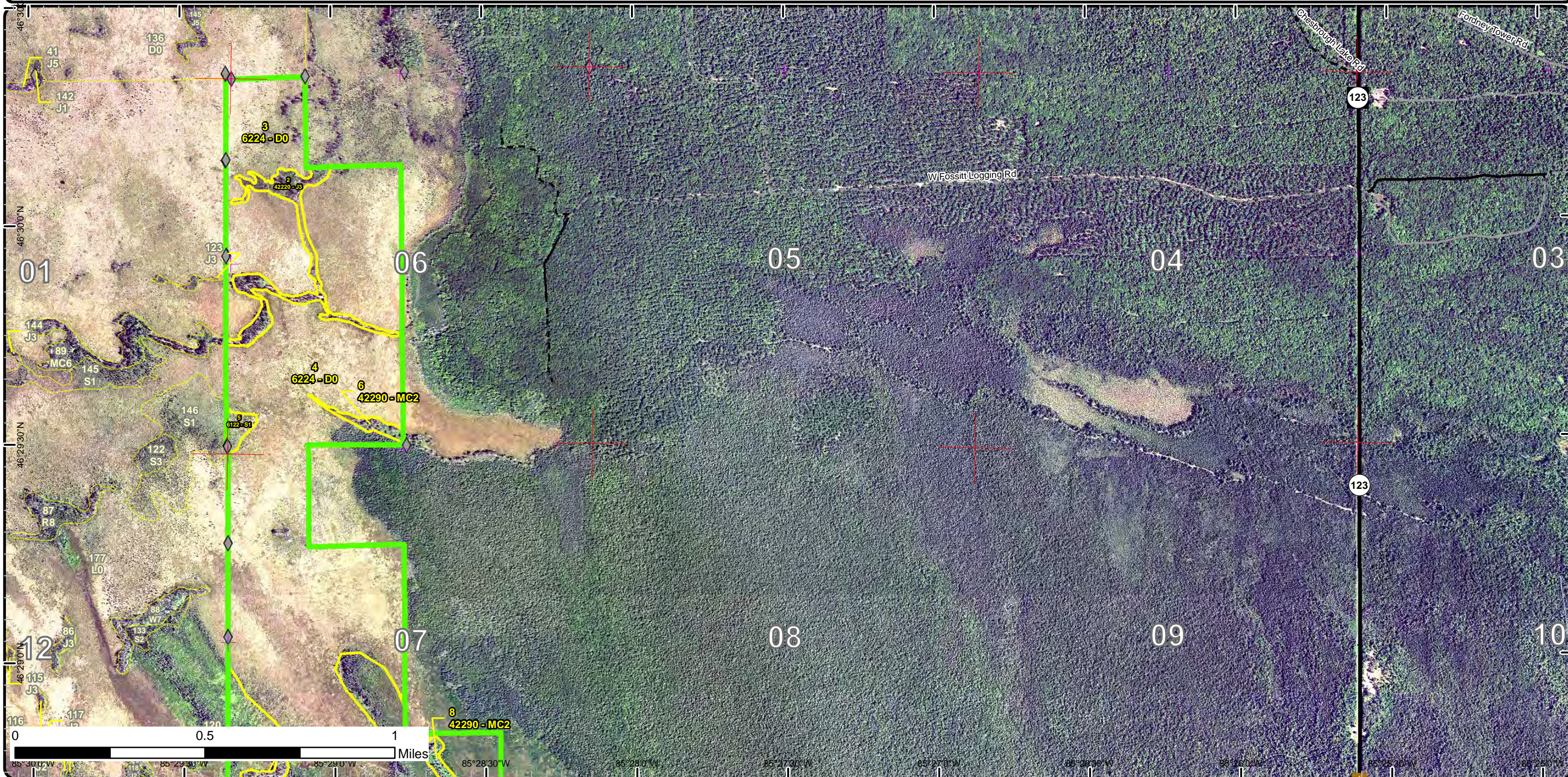


Stand Boundary Map

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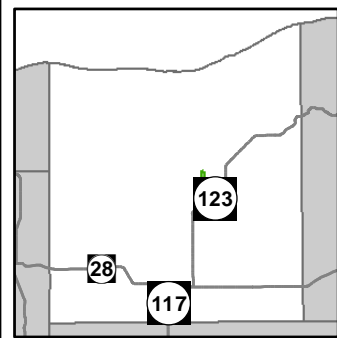


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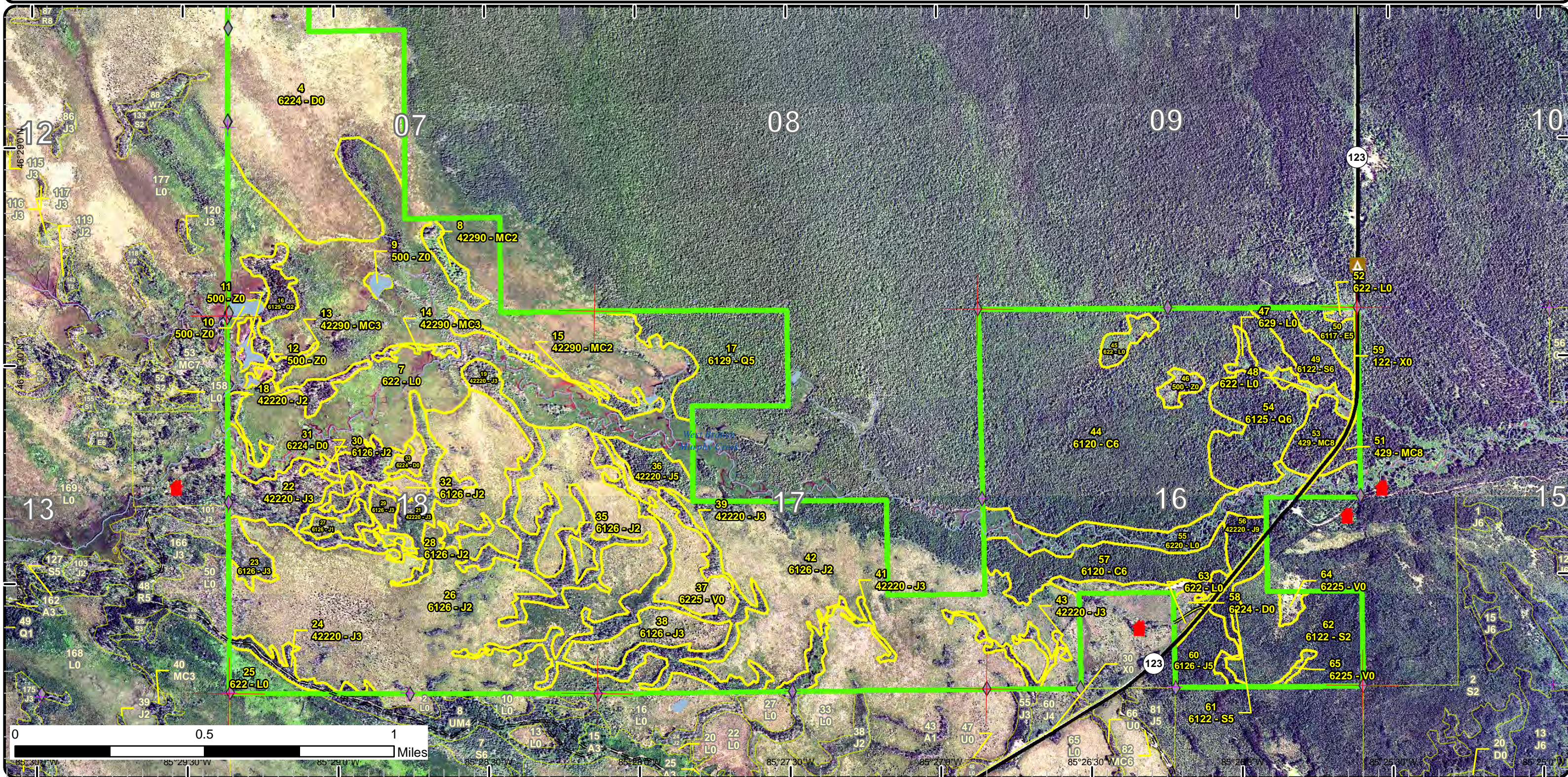


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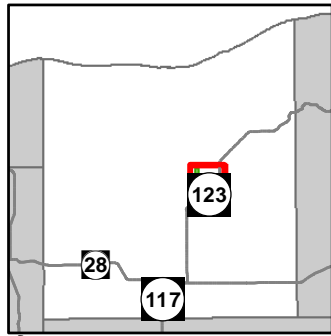


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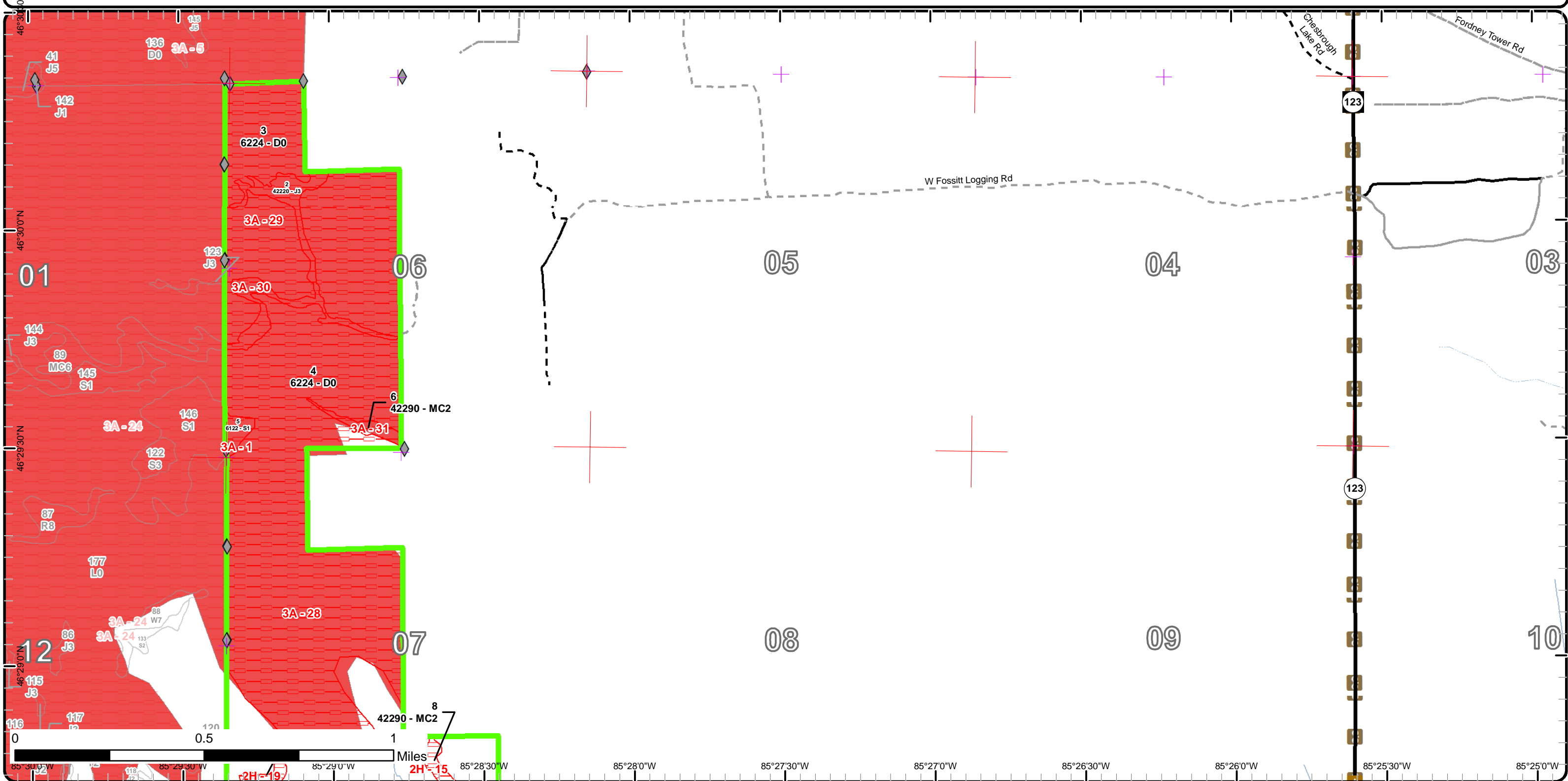


Special Conservation Areas & Site Conditions Map

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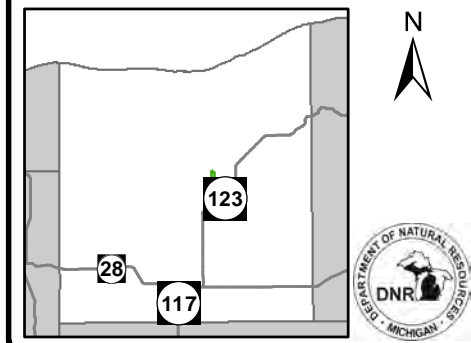


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- Perennial River
- Compartment Boundary
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- Stand Boundaries
- Ecological Reference Areas
- 33 State Heritage Routes-Scenic (MDOT Designation)

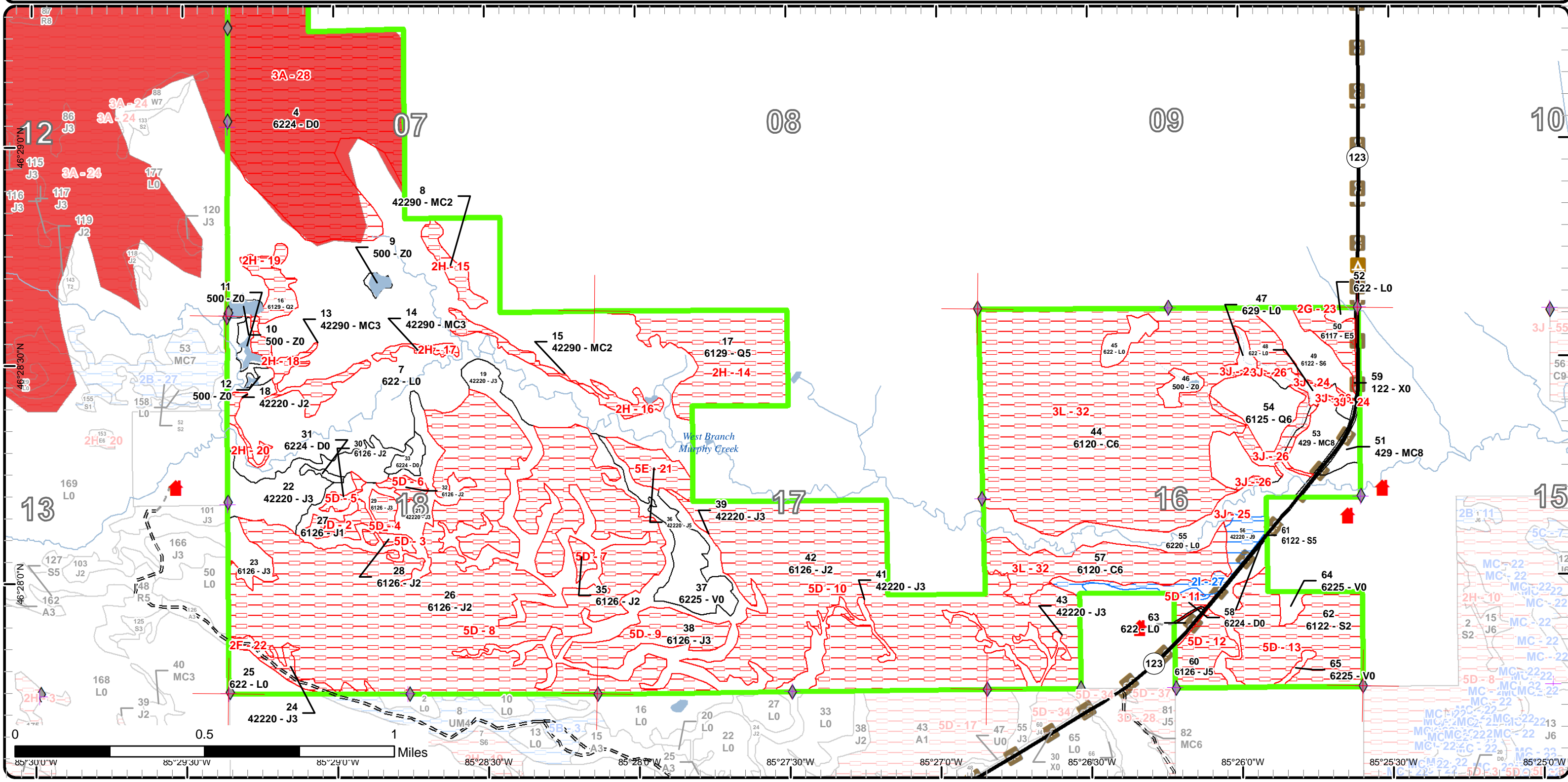


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- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- 📍 State Heritage Routes-Scenic (MDOT Designation)



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 82

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
Bog	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Cedar	0	0	0	0	0	0	0	0	0	270	0	0	0	0	0	0	0	0	270
Jack Pine	0	0	749	0	7	0	14	11	0	16	0	0	0	0	0	0	0	0	797
Lowland Conifers	0	0	10	0	0	0	0	0	52	37	0	0	0	0	0	0	0	0	99
Lowland Deciduous	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Lowland Shrub	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390
Lowland Spruce/Fir	0	0	0	4	0	0	0	60	0	16	0	0	0	0	0	0	0	0	80
Natural Mixed Pines	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Treed Bog	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400
Upland Conifers	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Total	837	0	794	4	7	0	14	71	52	365	0	0	0	0	0	0	0	0	2143



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 82
Total Compartment Acres: 2,143

Commercial Harvest - 55
 Harvests with Site Condition - 14
 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	14	0	0	0	0	0	0	0	0	14
Lowland Conifers	28	0	0	0	0	0	0	0	0	28
Lowland Spruce/Fir	16	0	0	0	0	0	0	0	0	16
Upland Conifers	11	0	0	0	0	0	0	0	0	11
Total	69	0	0	0	0	0	0	0	0	69

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	69	0	0	0	0	0	0	0	0	69
Next Step	0	106	53	0	0	0	175	0	0	334
Total	69	106	53	0	0	0	175	0	0	402



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
49	42082049-Cut	15.5	6122 - Black Spruce	Poletimber Well	80	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut all species, leaving pocket retention. Treatment shows 100' buffer along creek. This can be considered as part of retention needed.

Specs: Create a few of the long, high brush piles that extend into stand 50 to the north to benefit snowshoe hare.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce and white pine with associated tamarack, cedar and birch.

Regen:

Other Will need MDOT highway permit for access.

Comment:

Proposed Start Date: 10/1 /2019

53	42082053-Cut	11.0	429 - Mixed Upland Conifers	Sawtimber Medium	81	51-80	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut all species, leaving a component of white pine. Retain white pine over 16", leaving a few trees or tall understory of any species around

Specs: half of these white pine. Treatment shows 100' buffer along creeks and drainages. This can be considered as adequate retention. Regenerating spruce will benefit snowshoe hare, regenerating hardwoods will benefit moose, and retained white pine are for bear escape trees and moose loafing cover.

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 and spruce with associated white pine, birch and aspen.

Regen:

Other MDOT permit will be needed for access. Check for vernal ponds.

Comment:

Proposed Start Date: 10/1 /2019

54	42082054-Cut	28.2	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	80	Unspec ified	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut all species, leaving a component of white pine. Treatment shows 100' buffer along creeks and drainages. This can be considered as

Specs: adequate retention. Create a few of the long, high brush piles that extend into stand 53 to benefit snowshoe hare, and retain white pine over 16" for bear escape trees (use 14" if 16" trees don't exist).

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 and spruce with associated white pine, cedar, birch and aspen.

Regen:

Other MDOT permit will be needed for access. Crane mats may be needed for drainage crossings.

Comment:

Proposed Start Date: 10/1 /2019

56	42082056-Cut	13.8	42220 - Natural Jack Pine	Sawtimber Well	81	Unspec ified	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Clearcut all species. Patch retention, preferably in the wider portion of the stand. Buffer creeks and drainages appropriately. Leave some large

Specs: diameter white or red pine along the riverside for future nest trees and travel corridors.

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 and spruce with associated white pine, red pine, cedar and aspen.

Regen:

Other MDOT permit will be needed for access.

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 68.5**

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 82
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available
28	28	0	0
270	0	0	270
797	179	14	605
99	28	0	70
9	0	0	9
390	390	0	0
80	24	0	55
34	0	0	34
400	5	0	395
17	15	0	2
6	6	0	0
13	13	0	0
2,143	689	14	1,441
	32%	1%	67%

Dominant Site Conditions

	Total Acres	Acres Available	Acres <i>With Condition</i>	Acres Not Available	Dominant Site Conditions										
					2I	5B	2F	2G	2H	3A	3J	3L	5D	5E	
28	28	0	0		Bog									0	0
270	0	0	270		Cedar	0						0	270	0	
797	179	14	605		Jack Pine	14	0	8		3	20	0		563	11
99	28	0	70		Lowland Conifers					61		9			
9	0	0	9		Lowland Deciduous				9						
390	390	0	0		Lowland Shrub			0		0		0		0	0
80	24	0	55		Lowland Spruce/Fir				0		4	1		51	
34	0	0	34		Natural Mixed Pines					31	4				
400	5	0	395		Treed Bog	0					392			3	
17	15	0	2		Upland Conifers							2			
6	6	0	0		Urban	0								0	
13	13	0	0		Water					0					
2,143	689	14	1,441		Total Forested Acres	14	0	8	9	95	419	12	270	617	11
	32%	1%	67%		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	3A: Conservation Values incompatible with harvest at this time	4	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 82
Year of Entry: 2020

3	Unavailable	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5D: Unproductive Forest Land	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5D: Unproductive Forest Land	303	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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9	Unavailable	5D: Unproductive Forest Land	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5D: Unproductive Forest Land	205	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5D: Unproductive Forest Land	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	52	2E: Road needed	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 82
Year of Entry: 2020

15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
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20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: While an old road once led to this stand, it is no longer easily discernible and would require running over young regeneration from the Sleeper Lake Fire on narrow, steep ridges, just to cut a small stand. Wait until any harvesting occurs in any adjacent stands.							
22	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Williams Road runs along the top of this narrow ridge.							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: 100' buffer along creek.							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: 100' buffer along creeks and drainages.							
27	Available	2I: Survey needed	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3A: Conservation Values incompatible with harvest at this time	319	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
29	Unavailable	3A: Conservation Values incompatible with harvest at this time	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
30	Unavailable	3A: Conservation Values incompatible with harvest at this time	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
31	Unavailable	3A: Conservation Values incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							

Report 4 – Site Conditions

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32	Unavailable	3L: Other wildlife concerns	270	Unspecified	Unspecified	Unspecified	Unspecified
Comments: State Game Fund							

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	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.

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Newberry Mgt. Unit

Report 7 – Forested Stands

Compartment: 82
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42220 - Natural Jack Pine	Sapling Well	19.6	11	Immature	OPIC - FMD: Stand cut with adjacent comp't (84 stand 3); not harvested completely, though. Some residual red and white pine, as well as older jack pine left within regenerating stand. Burned in Sleeper Lake Fire. Similar to other ridges to the south as far as regeneration and live residual.
5	6122 - Black Spruce	Sapling Poor	3.6	24	Immature	OPIC - FMD: Small spruce within bog; connects with C. 84, stand 146. Burned in Sleeper Lake Fire, 2007.
6	42290 - Natural Mixed Pine	Sapling Medium	3.5	11	Immature	OPIC - FMD: Very narrow ridge of timber within bog/marsh complex (similar to C. 84 stands 77,82). Burned by Sleeper Lake Fire. Regeneration mixed with live residual pine.
8	42290 - Natural Mixed Pine	Sapling Medium	6.9	11	Immature	OPIC - FMD: Narrow ridge within marsh/bog - no access. Part of a 40 which was gifted to the State in 1998. Burned in the Sleeper Lake Fire, 2007. Mix of regeneration along with live residual.
13	42290 - Natural Mixed Pine	Sapling Well	11.2	11	Immature	OPIC - FMD: Narrow ridge within marsh/bog - no access. Burned in Sleeper Lake Fire, 2007. Mix of regeneration and standing live residual.
14	42290 - Natural Mixed Pine	Sapling Well	2.8	11	Immature	OPIC - FMD: Narrow ridge within marsh/bog - no access. Some tamarack, cedar noted. Burned in Sleeper Lake Fire, 2007. Mix of regeneration and standing live residual.
15	42290 - Natural Mixed Pine	Sapling Medium	10.1	11	1-50	OPIC - FMD: Old pilings at creek crossing from timber sale in the 1950's. No access currently. Burned in Sleeper Lake Fire, 2007. Mix of regeneration and standing live residual.
16	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	9.5	11	Immature	Lowland spruce with upland ridge(s). Burned in Sleeper Lake Fire, 2007. Mix of regeneration.
17	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	51.8	79	Unspecified	OPIC - FMD: Access issues.
18	42220 - Natural Jack Pine	Sapling Medium	3.1	11	Immature	OPIC - FMD: Old abandoned trail road (used by ORV's now) within, which connects stand to C. 84 stand 169, 53. Would need major improvements for any type of permanent access, plus would need creek crossings. Ridge is along the north side of the West Branch Murphy Creek.
19	42220 - Natural Jack Pine	Sapling Well	41.7	11	Immature	OPIC - FMD: Mixture of heights and diameters (5 - 8"), with a couple different age classes within due to various cuttings. Extensive road work would be needed for harvesting, due to sandy, steep road access (Williams Road). Ridge was heavily burnt over by the Sleeper Lakes fire (August, 2007) - anywhere from 2/3 dead to bottom char only. No understory left. Areas of standing live JP and areas with a fair amount of dead snags. Occasional RP. Fully stocked regen 10-20' tall.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	42220 - Natural Jack Pine	Sapling Well	31.2	11	Immature	OPIC - FMD: Ridges of jack pine, with occasional WP,RP. Slopes of 15-35%, on average, which will be inaccessible, in places. Access would be via the Williams Road, which will require some major improvements for logging access. Stand falls within the Sleeper Lakes fire perimeter. *** As per 2010 compartment review, stand treatment has been delayed due to advanced reproduction as a result of fire - no salvage to take place. Nice JP regeneration with some areas of standing live residual, mostly RP and WP, but occasional JP.
22	42220 - Natural Jack Pine	Sapling Well	29.8	11	Immature	OPIC - FMD: Mixture of high and low ground; higher ground is more J,R - lower with W, S. Some areas with older, wolf-tree JP and smaller, younger JP intermixed - two-aged. Stand connects with C. 84 stand 125; should be treated together. Access will be via the William Road, which will need major road improvements before logging occurs. Within Sleeper Lakes fire perimeter. ***As per 2010 compartment review, stand treatment has been delayed due to advanced reproduction as a result of fire - no salvage to take place. Good JP regeneration, with some aspen and oak regen. Includes some some standing JP and RP residual.
23	6126 - Lowland Jack Pine	Sapling Well	8.2	11	Immature	OPIC - FMD: Stand contains both high and low ground. Connects with C. 84, stand 125 - should be treated together. Access would be via the Williams Road, which will require major road improvements before harvesting occurs. Soils are Rousseau/Dawson. 2000: stand 23 ***As per 2010 compartment review, stand treatment has been delayed due to advanced reproduction as a result of fire - no salvage to take place. Pretty well all dead from Sleeper Lake Fire but with good JP regeneration.
24	42220 - Natural Jack Pine	Sapling Well	7.7	11	Immature	OPIC - FMD: Steep ridge of jack pine which includes the Williams Road. Many areas will be inaccessible. Major road improvements would be necessary before logging occurs, due to the severe risk of soil erosion. Stand connects with C. 84, stand 123, and should be treated at the same time. Entire stand burnt by Sleeper Lakes fire -regeneration started. 2000: stand 24 ***As per 2010 compartment review, stand treatment has been delayed due to advanced reproduction as a result of fire - no need for salvage. Burned hard here, no residual alive. Excellent regeneration though.
26	6126 - Lowland Jack Pine	Sapling Medium	303.0	11	Immature	OPIC - FMD: Lush spring grasses w/in bog following Sleeper Lakes fire. Jack pine/spruce within mostly dead; thicker treed areas with massive blowdown. JP regen following Sleeper Lake Fire. Some areas of open bog and some areas of moderately stocked JP.
27	6126 - Lowland Jack Pine	Sapling Poor	5.5	11	Immature	Burned in Sleeper Lake Fire, 2007. JP regenerating.
28	6126 - Lowland Jack Pine	Sapling Medium	2.4	11	Immature	JP regen following Sleeper Lake Fire. Some areas of open bog and some areas of moderately stocked JP.
29	6126 - Lowland Jack Pine	Sapling Well	3.5	11	Immature	OPIC - FMD: Small stunted spruce. JP regen following Sleeper Lake Fire. Some areas of open bog and some areas of moderately stocked JP.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	6126 - Lowland Jack Pine	Sapling Medium	2.5	11	Immature	OPIC - FMD: Small stunted spruce. JP regen following Sleeper Lake Fire. Some areas of open bog and some areas of moderately stocked JP.
32	6126 - Lowland Jack Pine	Sapling Medium	3.2	11	Immature	JP regen following Sleeper Lake Fire. Some areas of open bog and some areas of moderately stocked JP.
35	6126 - Lowland Jack Pine	Sapling Medium	3.0	11	Immature	OPIC - FMD: Scorched spruce; grasses, leatherleaf, lab tea. JP regen from Sleeper Lake Fire.
36	42220 - Natural Jack Pine	Poletimber Medium	11.1	66	Unspecified	OPIC - FMD: Mixed of high and low ground. Occasional PB, cedar, tamarack. Old trail road within. Very little fire effect here.
38	6126 - Lowland Jack Pine	Sapling Well	20.7	11	Immature	OPIC - FMD: grasses; burnt spruce, jack pine. Bog with good JP regeneration ~10-15'tall, from Sleeper Lake Fire.
39	42220 - Natural Jack Pine	Sapling Well	50.3	11	Unspecified	OPIC - FMD: This stand was prescribed last entry by the stand examiner but requested by wildlife division that it not be harvest due to concerns of potential damage occurring to the ridges by the logging operation. Most of this ridge was burnt heavily by the Sleeper Lakes fire - anywhere from bottom char only to 3/4 - all dead. Mix of areas of dead JP snags with excellent JP regeneration, along with areas of J4/J5 areas 8" dbh JP with fully stocked JP regen underneath. Too difficult to access just areas of live residual. Some scattered RP residual. Some ridges too steep for harvesting.
41	42220 - Natural Jack Pine	Sapling Well	8.8	11	Immature	OPIC - FMD: Sale #004-82A. Primarily dead stand now, due to Sleeper Lakes fire. East fingers are purely regeneration; main finger from the south still has some live JP, mainly on the edges, 6-8" dbh, but lots of JP regen on ridges (~10-15'+ tall, fully stocked)
42	6126 - Lowland Jack Pine	Sapling Medium	204.8	11	Immature	OPIC - FMD: Burnt spruce, jack pine. Grasses, leatherleaf. 2000: stand 37 JP regen (10-15' tall), many open spots, but some areas of decent regeneration. Non-commercial bog.
43	42220 - Natural Jack Pine	Sapling Well	6.9	35	Immature	OPIC - FMD: Sale #004-82A. Part of Sleeper Lakes fire. Eastern finger more affected by the fire and is regenerating with jack pine. This finger contains the old roadbed for M-123.
44	6120 - Lowland Cedar	Poletimber Well	231.1	80	Unspecified	OPIC - FMD: Some paper birch, white pine and tamarack within. Difficult access due to numerous drainages and seeps. Cut in the '30's. 1939 photo's show cutting in the area. Some eastern portions may have some more upland-like areas with jack pine and spruce similar to stand 53.
49	6122 - Black Spruce	Poletimber Well	16.2	80	Unspecified	OPIC - FMD: Nice stand of flagpole spruce (40 - 60' hts and 4-7" dbh) with other areas of S/W/J mix. WP average dbh = 8-14". Some cedar, tamarack within. Occasional slight ridges.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	8.9	84	Unspecified	OPIC - FMD: Mixed softwood includes spruce, cedar, WP and tamarack. Low, wet stand. Much of A/Ab has died out or is dying. Very variable.
51	429 - Mixed Upland Conifers	Sawtimber Medium	4.1	81	51-80	OPIC - FMD: Mixed softwood includes WP,BF. Old hwy route along east boundary of stand. Will be difficult to treat, due to hwy access issues.
53	429 - Mixed Upland Conifers	Sawtimber Medium	13.2	81	51-80	OPIC - FMD: Stand was primarily clearcut in the 1930's (evidenced on the '39 photos); some larger WP and cedar were left. Large diameter cedar is along the low edge - flowing water within. Leave small buffer, as there is definitely a topography difference. Weeviled, large diameter WP (20" +) with S/F of all size classes within. Large WSp (12"+) should be harvested with the amount of S/F present. A few PB noted. 2000: stand 50 **5/19/10- After further field examination of the stand is was determined that the stand is too small, too wet and needs too many buffers to make it worth will to prepare for a timber sale. South half a bit higher ground than north half. South half - JP/Fs/S gradiating to S/WP to the north. JP on very north end too. Drainage on west side of stand.
54	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	37.3	80	Unspecified	OPIC - FMD: Stand was primarily clearcut in the 1930's (evidenced on the '39 photos); some larger WP and cedar were left. Large diameter cedar is along the low edge - flowing water within. Leave small buffer, as there is definitely a topography difference. Weeviled, large diameter WP (20" +) with S/F of all size classes within. Large WSp (12"+) should be harvested with the amount of S/F present. A few PB noted. Difficult access due to numerous drainages and seeps. Cut in the '30's. 1939 photo's show cutting in the area. Some portions may have some more upland-like areas with jack pine and spruce similar to stand 53.
56	42220 - Natural Jack Pine	Sawtimber Well	16.2	81	Unspecified	OPIC - FMD: Mix of J/S primarily - F/S regen of all heights and diameters; some large weeviled WP, RP, and large cedar at NW tip of stand - leave. Cedar regeneration along road and stand edges; should be able to cut some cedar pulp within, if need be. Small low type bisects stand E-W; may create harvesting difficulties without winter cut. Small PB, RM, A along M-123 - might be possible to leave unless this creates access problems; cut larger pulp. Two-track(old hwy) trail road (and associated timber) was burnt during the Sleeper Lakes Fire of 2007 - may not be worth salvaging. Regeneration work will need to be evaluated further whenever harvest occurs. MO2= Q Ridge of JP along bog edge (southern boundary). E-W drainage inclusion (L type).
57	6120 - Lowland Cedar	Poletimber Well	38.7	80	Unspecified	OPIC - FMD: Stand clearcut in the 1930's. All sizes of cedar within, from 20-40' heights. No browse noted. 91= T,PB,RM. Mainly small pole size cedar, but some small logs present.
60	6126 - Lowland Jack Pine	Poletimber Medium	14.2	53	Unspecified	OPIC - FMD: Spruce, jack pine.
61	6122 - Black Spruce	Poletimber Medium	9.0	65	Unspecified	OPIC - FMD: Small straggling stand within bog. Some PB, tamarack present. May be low ridge in places.

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Newberry Mgt. Unit

Report 7 – Forested Stands

Compartment: 82
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S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	6122 - Black Spruce	Sapling Medium	51.0	63	Unspecified	OPIC - FMD: Spruce, jack pine.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6224 - Treed Bog	72.9	No	OPIC - FMD: Large, marshy treed bog (S,J,T) with some scattered islands of timber throughout. Burned in Sleeper Lake Fire, 2007. Part of Muskeg ERA complex.
4	6224 - Treed Bog	318.9	No	OPIC - FMD: Open marsh at south end. May have some JP or S regeneration from the Sleeper Lake Fire, 2007. Part of Muskeg ERA complex.
7	622 - Lowland Shrub	322.4	No	OPIC - FMD: Contains tamarack and other small islands of timber - inaccessible. Also includes Murphy Creek corridor, which contains lots of tagalder along river itself. Burned in Sleeper Lake Fire, 2007.
9	500 - Water	1.8	No	
10	500 - Water	2.2	No	
11	500 - Water	3.3	No	
12	500 - Water	1.6	No	
25	622 - Lowland Shrub	9.9	No	
31	6224 - Treed Bog	1.2	No	OPIC - FMD: Stunted spruce. Burned in the Sleeper Lake Fire, 2007.
33	6224 - Treed Bog	3.5	No	Burned in the Sleeper Lake Fire, 2007. Some areas with JP regeneration, but mainly open areas towards the creek.
37	6225 - Bog	22.9	No	OPIC - FMD: Small burnt snags and stumps - grasses/leatherleaf. JP regen on edges and north point.
45	622 - Lowland Shrub	6.2	No	Open drainage area.
46	500 - Water	4.5	No	OPIC - FMD: Beaver flooding.
47	629 - Mixed non-forested wetland	2.9	No	OPIC - FMD: Some cedar and white pine within. Semi-open drainage area.
48	622 - Lowland Shrub	5.1	No	OPIC - FMD: Some cedar and white pine within. Drainage.
52	622 - Lowland Shrub	1.6	No	Drainage area.



Stand	Cover Type	Acres	Managed Site	General Comments:
55	6220 - Alder/willow	40.5	No	OPIC - FMD: Murphy Creek flows through stand.
58	6224 - Treed Bog	3.3	No	OPIC - FMD: Spruce, jack pine.
59	122 - Road/Parking Lot	6.2	No	OPIC - FMD: M-123 and R.O.W.
63	622 - Lowland Shrub	1.6	No	
64	6225 - Bog	3.1	No	
65	6225 - Bog	1.5	No	