



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42095

Entry Year 2021

Acreage: 1,880

County Luce

Management Area: Danaher Kingston Outwash

Revision Date: 2019-08-29

Stand Examiner: Kristen Matson

Legal Description:

T46N R12W Sec. 6, 7, 18

Identified Planning Goals:

Timber management, wildlife habitat and recreation are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses. Maintain the existing mixtures of forest of forest cover types and enhance age class diversity in these forest cover types through continued timber harvest treatments and cultivation treatments. Maintain habitat, species, age class and structural diversity.

Soil and topography:

Soil type is primarily Rubicon, Kalkaska, Vilas and Wallace sands in the uplands and Carbondale and Marky mucks in the lowlands. The compartment is level to rolling in the sand plain uplands and mostly level in the lowlands.

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

The compartment is entirely state land and is predominately surrounded by state land on the north, east and south borders with the exception of a private parcel on the southwest edge of the compartment. Schoolcraft County line borders the west edge of the compartment where that property is primarily privately owned. The area has been managed for timber production in the past as well as wildlife habitat. The compartment is used for an assortment of recreational opportunities but mostly hunting. Most of the private land parcels around the compartment have hunting camps/cabins on the property.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

The Bureau of History does not list any known historical sites in this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains Spring Creek, Bev Creek and Deer Creek which all serve as tributaries to the East Branch of the Fox River. From origin to confluence; Spring Creek, Bev Creek, and Deer Creek are listed in the Fox River Natural River Plan (1998) and are managed as 'wild-scenic' under authority of Part 305, P.A. 451 of 1994. As part of the Fox River Natural River Plan, a minimum 200' natural vegetation strip shall be maintained immediately adjacent to each side of the Fox River and designated tributaries (i.e., Spring Creek, Bev Creek, and Deer Creek).

Spring Creek, Bev Creek and Deer Creek are also designated Type 1 trout streams less than 50' width. 300' buffers are recommended for Spring Creek, Bev Creek, and Deer Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 200' buffers are recommended to protect these areas in accordance with the Fox River Natural River Plan and Best Management Practices.

Wildlife Habitat Considerations:

Compartment 95 lies in western Luce county and is lies within the Seney Sand Lake Plain ecological sub-subsection and in within the Danaher Plains Management Area with sharp-tailed grouse, Kirtland's warbler, spruce grouse and red crossbill as featured species. The compartment consists largely of immature jack pine, aspen and red pine primarily with significant amounts of spruce and white pine in the southern section of the compartment. Numerous creeks and drainages run throughout the southern portions of the compartment and make excellent travel corridors for wildlife.

Wildlife objectives for the compartment are to maintain the species and structural diversity within the harvested stands. Wildlife den and nest trees and snags will be preserved as well as mature canopy trees of various species. Wildlife species expected to utilize this compartment include white-tailed deer, black bear, coyotes, wolves, ruffed and sharptailed

grouse.

Mineral Resource and Development Concerns and/or Restrictions

Sections 6-7 & 18, T46N-R12W, Luce County

An active sand/gravel pit is located four miles to the west, and there is some sand & gravel potential within the compartment. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Primary access to the compartment is County Road 421, Danaher Plains Road and Spring Creek Road. There are several sand two tracks throughout the compartment.

Survey Needs:

Recreational Facilities and Opportunities:

There is a designated ORV trail in the northwest corner of the compartment. Hunting, fishing, wildlife viewing, dispersed camping, blueberry picking and snowmobile riding opportunities exist within the compartment.

Fire Protection:

Large fire runs are possible in the hazard fuel types in the northern portion of this compartment. The risk to private properties in the southern portion would be low. Suppression efforts with heavy wheeled equipment would be good in the northern part of the compartment and be more challenging in the southern part.

Additional Compartment Information:

The following reports from the Inventory are attached:

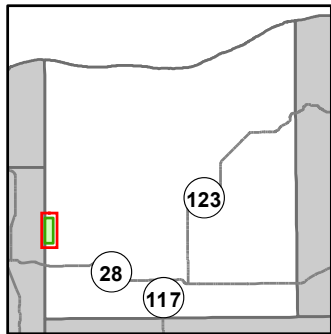
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

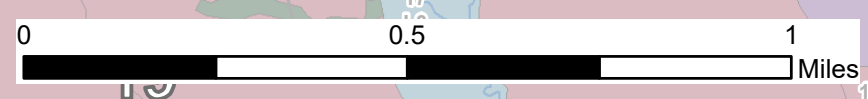
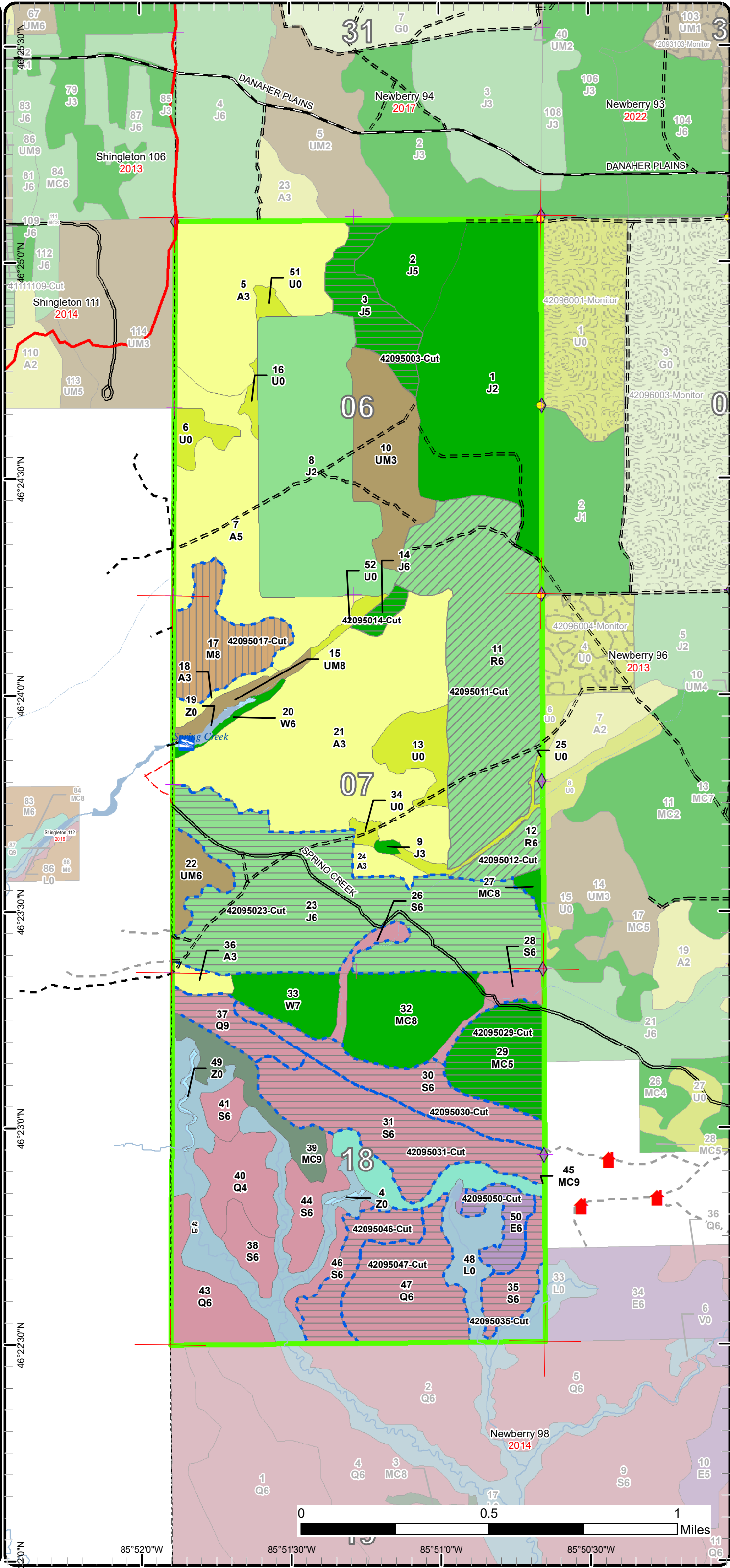
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 95
 T46N, R12W, Sec. 6, 7, 18
 County: Luce
 Unit: Newberry
 Mgmt Area: Danaher Kingston
 Outwash
 YOE: 2021
 Acres: 1,880 GIS Calculated
 Examiner: Kristen Matson
 Map Revised: 12/19/2019
 Map Phase: Post-Review



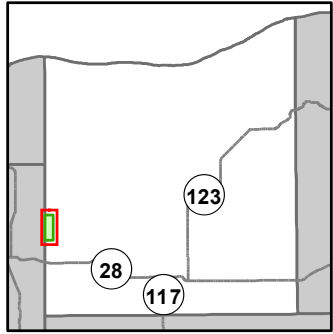
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Designated ATV
- Intermittent Stream
- Lake/Pond
- Perennial River
- Unspecified
- Lakes and Rivers
- ▲ Cabin
- Boating Access Site
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub



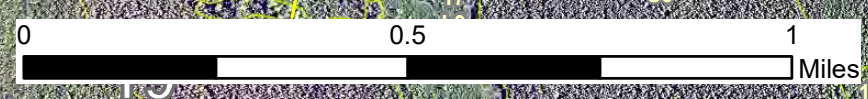
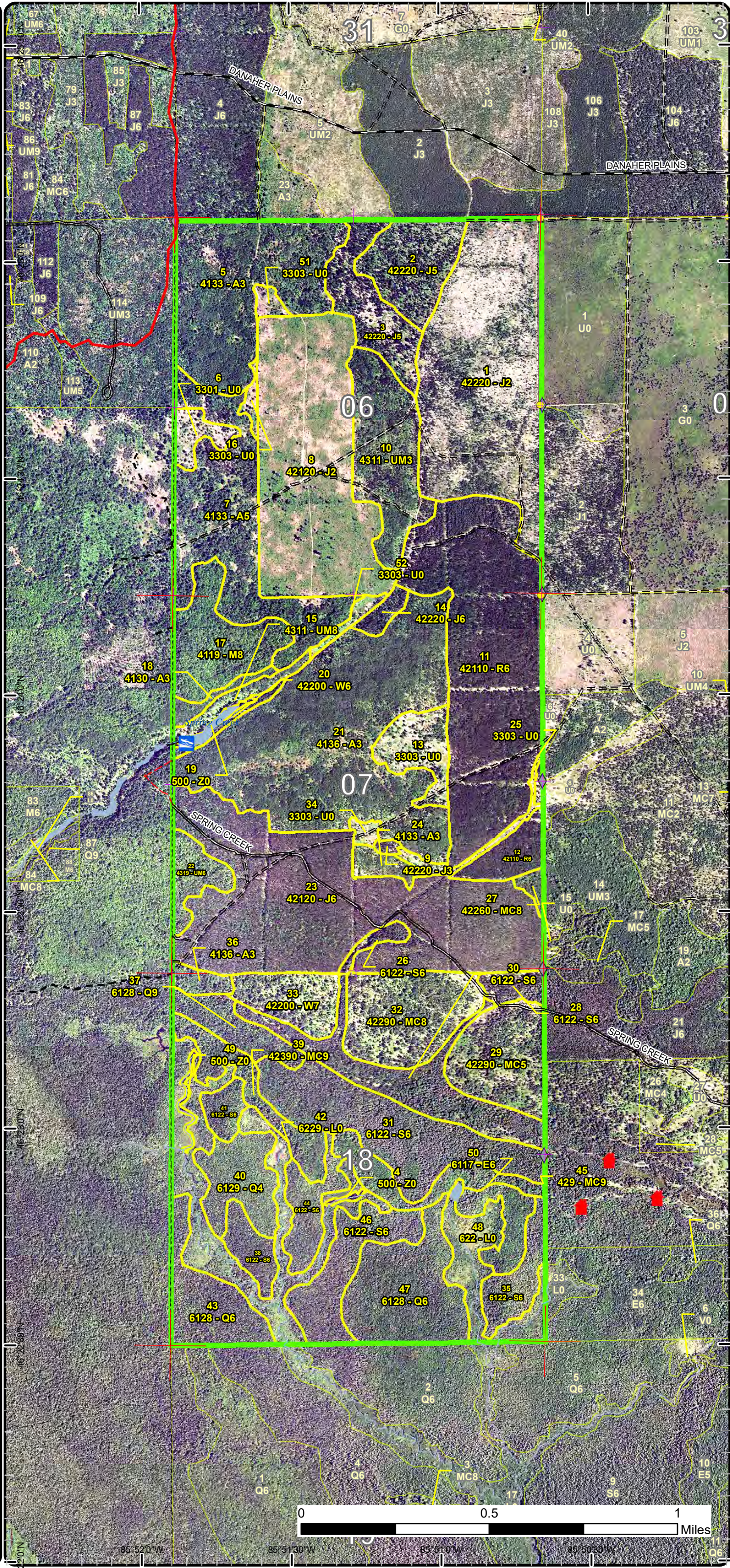
46°22'0"N 85°52'0"W 85°51'30"W 85°51'0"W 85°50'30"W 46°22'30"N 46°23'0"N 46°23'30"N 46°24'0"N 46°24'30"N

Stand Boundary Map

Compartment: 95
 T46N, R12W, Sec. 6, 7, 18
 County: Luce
 Unit: Newberry
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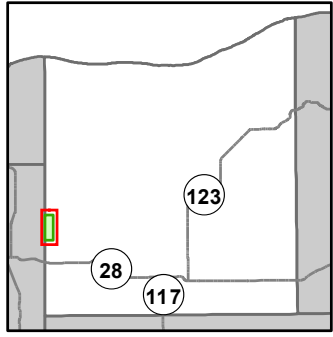


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- = DNR - Forest Access Route
- - Federal / State - Dirt / Gravel Road
- - County - Dirt Road (Seasonal)
- - Private - Dirt / Gravel Road
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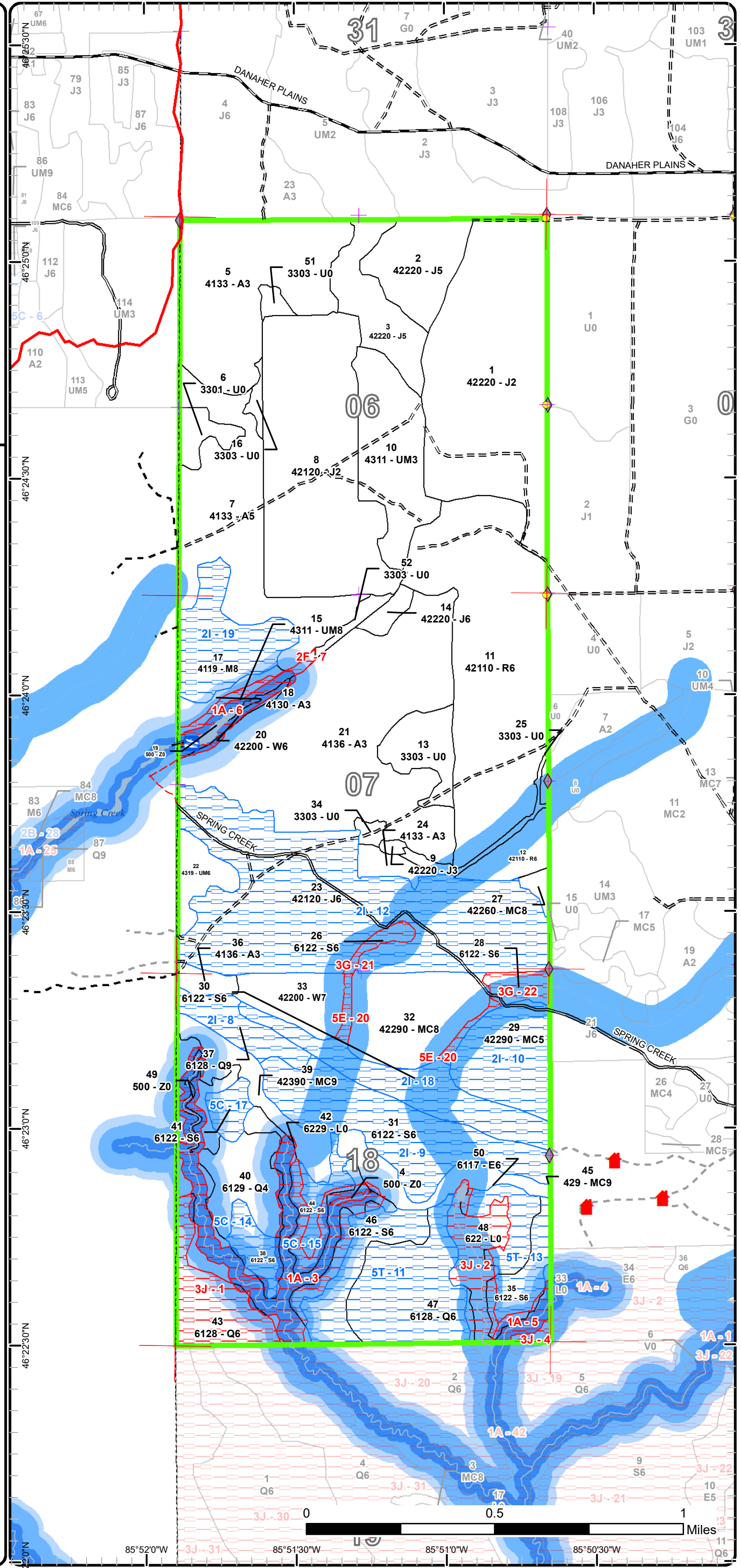


Special Conservation Areas & Site Conditions Map

Compartment: 95
 T46N, R12W, Sec. 6, 7, 18
 County: Luce
 Unit: Newberry
 Mgmt Area: Danaher Kingston
 Outwash
 YOE: 2021
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- - - Federal / State - Dirt / Gravel Road
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- - - Private - Dirt / Gravel Road
- Designated ATV
- Intermittent Stream
- Lake/Pond
- Perennial River
- Unspecified
- Lakes and Rivers
- ▲ Cabin
- ▲ Boating Access Site
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5T: Contingency Treatment for Forest Health Concerns
- 1A: Federal/State/Local Law
- 2F: Too steep
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- ▭ Stand Boundaries
- ▭ Natural Rivers Vegetative Buffer
- ▭ Natural Rivers Zoning District
- ▭ Cold Water Streams
- ▭ Cold Water Lakes
- ▭ High Priority Trout Stream Buffer



46°22'00"N 46°22'30"N 46°23'00"N 46°23'30"N 46°24'00"N 46°24'30"N 46°25'00"N 46°25'30"N

85°52'00"W 85°51'30"W 85°51'00"W 85°50'30"W

Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 95

Year of Entry 2021

Kristen Matson : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	6	271	92	0	0	0	0	0	0	0	0	0	0	0	0	0	369
Jack Pine	0	133	0	183	0	0	220	6	0	0	0	0	0	0	0	0	0	0	542
Low-Density Trees	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Lowland Conifers	0	0	0	0	0	28	0	0	0	104	0	0	0	0	0	0	0	0	132
Lowland Deciduous	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	16
Lowland Shrub	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	221	0	0	0	0	0	0	0	0	221
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	89	93
Northern Hardwood	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	40
Red Pine	0	0	0	0	0	0	0	168	0	0	0	0	0	0	0	0	0	0	168
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	45
Upland Mixed Forest	0	0	0	52	0	0	0	0	15	0	0	0	0	0	0	0	0	9	76
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28
Total	151	133	6	506	92	28	220	174	15	385	0	0	0	0	0	0	0	171	1881



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 95
Total Compartment Acres: 1,880

Commercial Harvest - 206
 Harvests with Site Condition - 510
 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	225	0	0	0	0	0	0	0	0	225
Lowland Conifers	72	0	0	0	0	0	0	0	0	72
Lowland Deciduous	15	0	0	0	0	0	0	0	0	15
Lowland Spruce/Fir	155	0	0	0	0	0	0	0	0	155
Natural Mixed Pines	40	0	0	0	0	0	0	0	0	40
Northern Hardwood	0	0	0	0	40	0	0	0	0	40
Red Pine	0	0	0	0	0	168	0	0	0	168
Total	508	0	0	0	40	168	0	0	0	716

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	716	0	0	0	0	0	0	0	0	716
Next Step	0	271	265	0	0	265	548	0	0	1350
Total	716	271	265	0	0	265	548	0	0	2066



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	Habitat Cut
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Approved Treatments:

3	42095003-Cut	31.9	42220 - Natural Jack Pine	Poletimber Medium	52	51-80	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees, leaving retention in patches. Retention not to exceed 3% of area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; ; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine with a mix of species currently found on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
11	42095011-Cut	153.1	42110 - Planted Red Pine	Poletimber Well	60	141- 170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut every third row, or approximately 1/3 of trees if rows are hard to follow. Cut all Jack Pine and aspen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
12	42095012-Cut	15.1	42110 - Planted Red Pine	Poletimber Well	60	51-80	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut every third row. Cut all JP and aspen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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14	42095014-Cut	5.6	42220 - Natural Jack Pine	Poletimber Well	60	51-80	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Cut all trees. Retention is not needed due to small size.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; ; SitePrep, Scarification
Treatments:

Acceptable jack pine with a mix of other species currently found on site

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

17	42095017-Cut	40.3	4119 - Mixed Northern Hardwoods	Sawtimber Medium	81	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Even-Aged	No
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Prescription Shelterwood with residual of 40-60 BA. Try to mark in a way to save as much of the advanced saplings from the last harvest as possible.

Specs: Leave some large aspen.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood species and conifers currently found on site.

Regen:

Other

Survey may be needed to establish private line to west.

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

23	42095023-Cut	187.8	42120 - Planted Jack Pine	Poletimber Well	56	81-110	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Cut all trees. Leave retention in 3-4 patches apx 1.5-2 acres in size to minimize blowdown and to facilitate regeneration. Retention not to exceed 3% of area. Patches should include other species, such as aspen, white pine and oak.

Specs: Leave all oak.

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release

Treatments:

Acceptable jack pine with a low percent mix of other species currently found on site

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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29	42095029-Cut	40.1	42290 - Natural Mixed Pine	Poletimber Medium	57	1-50	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Cut all trees, leaving retention in patches to facilitate planting.
Specs:
 Place 1-2 retention patches in areas predominantly of large Oak and leave approximately half of the individual Oak for single tree retention.
 2 inch cutting spec
Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(1yr)
Treatments:
Acceptable jack pine with other species currently found on site
Regen:
Other Survey may be needed to establish private line on east.
Comment:
Site Condition Survey Needed
Proposed Start Date: 10/1 /2020

30	42095030-Cut	41.8	6122 - Black Spruce	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Cut all trees except hemlock. Leave some scattered large white and red pine. Retention should be left in the narrow drainage portions of the stand. Retention patches should try to connect these drainages to possible intermittent drainages in the south. Retention may also be left on any portions of the ridges if too steep for logging.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Spruce with a mix of conifers and hardwoods currently found on site.
Regen:
Other Survey may be needed to establish private line to east.
Comment:
Site Condition Survey Needed
Proposed Start Date: 10/1 /2020

31	42095031-Cut	69.4	6122 - Black Spruce	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Cut all trees except Hemlock. Leave retention in patches. Patches should contain some large white pine. Retention patches should try to follow possible intermittent drainages from north to south.
Specs:
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Black spruce with a mix of conifers and hardwoods similar to what is currently on site.
Regen:
Other
Comment:
Site Condition Survey Needed
Proposed Start Date: 10/1 /2020



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
35	42095035-Cut	17.9	6122 - Black Spruce	Poletimber Well	87	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut leaving retention in patches. Buffer the creek 200 feet. Try to leave large white pine and any lesser occurring species in the retention patches. Leave all hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> spruce with a combination of other species found on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Contingency Treatment</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
37	42095037-Cut	18.6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except Hemlock. Leave retention in patches. Try to include some paper birch and large white pine in the retention patches.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> a mix of conifer and hardwood species similar to what is currently on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
46	42095046-Cut	26.0	6122 - Black Spruce	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut leaving retention in patches. Buffer the creek 200 feet. Try to leave large white pine and any lesser occurring species in the retention patches. Leave all hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> spruce with a combination of species currently found on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Contingency Treatment</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
47	42095047-Cut	53.5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut leaving retention in patches. Buffer the creek 200 feet. Try to leave large white pine and any lesser occurring species in the retention patches. Leave all hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mix of species currently on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Contingency Treatment</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
50 42095050-Cut	15.0	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	87	81-110	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut leaving retention in patches. Buffer the creek 200 feet. Try to leave large white pine and any lesser occurring species in the retention patches. Leave all hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mix of species currently found on site</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Contingency Treatment</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										

Total Treatment 716.1
Acreage Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Kristen Matson : Examiner

Compartment: 95
Year of Entry: 2021



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		2I	5C	5T	1A	2F	3G	3J	5E		
369	368	0	1	Aspen				1						
541	353	188	0	Jack Pine	188									
50	50	0	0	Low-Density Trees					0					
132	27	71	35	Lowland Conifers	19		52	2				33		
16	0	15	1	Lowland Deciduous			15					1		
95	24	0	72	Lowland Shrub				48				24		
221	0	181	40	Lowland Spruce/Fir	111	29	40	20		13	2		6	
93	53	40	0	Natural Mixed Pines	40									
40	0	40	0	Northern Hardwood	40									
168	168	0	0	Red Pine										
45	45	0	1	Upland Conifers				1				0		
76	66	0	9	Upland Mixed Forest				5	5					
5	1	0	5	Water				5						
27	24	0	3	White Pine				3						
1,880	1,179	534	167	Total Forested Acres	398	29	107	84	5	13	60		6	
	63%	28%	9%	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)	31	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer Creek							

Report 4 – Site Conditions

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3	Unavailable	1A: Federal/State/Local Law	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River Natural River 100' zone.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer Creek							
5	Unavailable	1A: Federal/State/Local Law	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer Creek. Fox River natural river 100' zone.							
6	Unavailable	1A: Federal/State/Local Law	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River Natural River 100'zone.							
7	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	2I: Survey needed	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2I: Survey needed	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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10	Available	2I: Survey needed	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5T: Contingency Treatment for Forest Health Concerns	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	188	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5T: Contingency Treatment for Forest Health Concerns	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Kristen Matson : Examiner

Compartment: 95
Year of Entry: 2021



17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2I: Survey needed	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2I: Survey needed	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3G: Other Influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wet some years.							
22	Unavailable	3G: Other Influence zones - See comments	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: wet some years							

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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	42220 - Natural Jack Pine	Sapling Medium	146.6	29	Immature	N/A	2019: South half has more trees, but still many open areas. Many trees have at least 1 merchantable stick in them now.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>88</td> <td>Sapling/Pole</td> <td>3</td> <td>29</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	88	Sapling/Pole	3	29	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Black Cherry	Low	10 - 20 feet	Sapling	Red Pine	Low	< 5 feet	Sapling	White Pine	Low	< 5 feet	Sapling	<p>2009: Stand is mostly open with bushy jack pine now 5-20' tall; 2-5" DBH. Jack Pine is thicker in density in some places and very open in others. A decision needs to be made on what to do with this stand, leave as is, plant and manage for timber, or maintain as opening for sharptail habitat. Ground cover is currently bracken fern and grass.</p>																
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2	42220 - Natural Jack Pine	Poletimber Medium	34.3	28	1-50	N/A	2019: Density varies throughout, with some small openings. Variable sizes of trees with aver diameter 2-8". J5/J2 now, but should be J6 next entry.																																											
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3	42220 - Natural Jack Pine	Poletimber Medium	31.9	52	51-80	N/A	2019: North end has denser, larger trees. South end is much more open, with a greater variety of species. 2009: Stand is a mix of various sized jack pine mostly limbly. Also an occasional aspen. Both jack pine and aspen are regenerating in stand - thicker in some places than others. Cherry brush present. Jack pine budworm heavily attacked some of the trees in this stand and there are several standing snags (~1/3 of JP in stand is dead). Open areas of bracken fern and grass throughout stand. Need ot make a decision on what to do with stand, leave as is, harvest, leave open, plant?																																											
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4	500 - Water	Nonstocked	0.9		Unspecified	No																																												
5	4133 - Aspen, Mixed Pine	Sapling Well	90.3	28	Immature	N/A	2019: Mix of aspen and other species with a few small openings. South end is mainly aspen. Old RR grade in stand. Grass, brackenfern, blueberry, lichen.																																											
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6	3301 - Low Density Deciduous Trees	Nonstocked	9.7		Unspecified	No	2019: Slowly filling in with trees. Old RR grade in stand.																																																								
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7	4133 - Aspen, Mixed Pine	Poletimber Medium	86.2	36	51-80	N/A	2019: Large, variable stand with small openings scattered throughout. Species composition, size and density vary. Small patch of nice JP in center near stand 6. Bracken fern, blueberry, grass, lichen. Old RR grade.																																																								
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8	42120 - Planted Jack Pine	Sapling Medium	133.0	4	Immature	N/A	10/25/18 - Fully stocked 3yr JP check. A lot of volunteer JP and red pine coming in along with some RM, WP, cherry. A few scattered residual white pine.																																																								
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9	42220 - Natural Jack Pine	Sapling Well	1.5	29	Immature	N/A	2019: small area of JP. Should be pole sized next entry. Bracken fern, blueberry.																																																								
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10	4311 - Pine, Aspen Mix	Sapling Well	51.6	29	Immature	N/A	2019: Mainly aspen and jack pine with some small open areas. Blueberry, bracken fern, grass, lichen.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
11	42110 - Planted Red Pine	Poletimber Well	153.1	60	141-170	N/A	2019: Variable BA (60-180) with some sparse areas. 2009: Stand has never been thinned. Areas of stand where the red pine is suppressed. Basal areas are variable across stand. Trees are generally short and somewhat limby throughout stand. Older white pine and red pine present as well as scattered pole sized white pine, jack pine, red maple and aspen. Recommend final harvest of stand and replant to jack pine when scheduled for treatment.																																											
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12	42110 - Planted Red Pine	Poletimber Well	15.1	60	51-80	N/A	2019: More species diversity along the southeast edge near stand 27. BA is variable. Blueberry, bracken fern, lichen. 2009: Stand has never been thinned. Areas of stand where the red pine is suppressed. Basal areas are variable across stand. Trees are generally short and somewhat limby throughout stand. Older white pine and red pine present as well as scattered pole sized white pine, jack pine, red maple and aspen. Recommend final harvest of stand and replant to jack pine when scheduled for treatment.																																											
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13	3303 - Mixed Low Density Trees	Nonstocked	20.8		Unspecified	No	2019: Filling in with trees. 2009: Stand has a mixed ground cover of grass and bracken fern. Occasional white pine, oak, red maple, aspen & red pine in overstory. Some regeneration from all tree species taking place. Eventually over time area may be taken over by tree species.																																											
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14	42220 - Natural Jack Pine	Poletimber Well	5.6	60	51-80	N/A	2019: Some dead JP. Variable species composition and density. 2009: Stand is somewhat variable in size, some limby jack pine that avg. 2-4 sticks tall. Some dead standing JP trees (~10%), were killed by JP budworm a few years ago. Treat stand when stand 11 is treated.																																											
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15	4311 - Pine, Aspen Mix	Sawtimber Medium	9.3	65	51-80	N/A	2019: Steep hill. Semi-open in the middle of the slope, with trees mainly at the top or bottom of the ridge. Forested areas contain a variety of species, sizes and densities. 2009: Stand mostly falls on as steep hillside. Fairly open grown stand with scattered scrub cherry and aspen along with white pine, jack pine and spruce of varying sizes. Some large pole sized aspen on the top portion of hillside, not accessible to logging - too steep. Ground cover is grass and bracken fern. There is some ORV damage to the hillside opposite the Spring Creek Trout Pond dam. They have been crossing the Spring Creek Trout Pond dike and attempting to climb the hill. As a result, quite a bit of damage has occurred. Will need to do an RDR.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
16	3303 - Mixed Low Density Trees	Nonstocked	3.0		Unspecified	No	2019: Stand is slowly filling in with trees, and is smaller than 10 years ago. Blueberry, grass, bracken fern, lichen. 2009: Stand is currently grass & bracken fern with an occasional "wooly" jack pine in overstory. Also some jack pine and scrub cherry/aspens regeneration. Stand has "stump field" areas - remnants of the "old pine days".					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Cherry	Low	10 - 20 feet	Sapling	
								Quaking Aspen	Low	10 - 20 feet	Sapling	
								White Pine	Low	Variable	Pole	
Red Pine	Low	Variable	Sapling									
17	4119 - Mixed Northern Hardwoods	Sawtimber Medium	40.3	81	81-110	N/A	2019: Poor quality red maple with other species. Very few beech still alive. Regen mainly 10-30' maple and beech saplings. BA varies from 50 - 130, averaging around 90. 2009: Stand consists of red maple with an occasional beech and white pine. Not much for sawlog quality in hardwood. Thick maple/beech/balsam fir reproduction in most places. The beech in this stand has scale and is either dead or in major decline. Area was stump diametered in 1982 and BA is thick and thin across stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	10	Pole/Log	9	
								Red Maple	57	Log/Pole	10	81
								Sugar Maple	10	Log/Pole	10	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Medium	Variable	Sapling	
								Red Maple	High	>20 feet	Sapling	
								Beech	High	10 - 20 feet	Sapling	
								Black Cherry	Low	10 - 20 feet	Sapling	
White Spruce	Low	< 5 feet	Sapling									
White Pine	Low	< 5 feet	Sapling									
18	4130 - Aspen	Sapling Well	5.7	36	Unspecified	N/A	2009: Stand is thick with aspen regeneration about 2-3" in diameter.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	70	Sapling/Pole	4	36
								Bigtooth Aspen	10	Sapling/Pole	4	
Sub-Canopy Species	Density	Avg. Height	Size									
Balsam Fir	Low	< 5 feet	Sapling									
White Pine	Low	< 5 feet	Sapling									
19	500 - Water	Nonstocked	2.6		Unspecified	No	Spring Creek Trout Pond. Pond is much smaller now, and area is a creek with lowland grasses and shrubs along it. Turtles, deer and birds were observed.					
20	42200 - Natural White Pine	Poletimber Well	3.9	81	81-110	N/A	2019: Natural stand with varying species composition and BA. 2009: Stand falls along the edge of Spring Creek Trout Pond. Stand is long and narrow on a hillside sloped towards the trout pond. Heavy b. fir understory on the south end of stand. 99=49, 03.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Spruce	10	Pole/Log	9	
								White Pine	63	Log/Pole/XLog	12	81
								Sub-Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Medium	Variable	Sapling	
								White Spruce	Low	Variable	Sapling	
								Red Maple	Medium	10 - 20 feet	Sapling	
								White Pine	Medium	Variable	Sapling	
								Black Cherry	Low	10 - 20 feet	Sapling	
Beech	Low	10 - 20 feet	Sapling									
21	4136 - Aspen, Mixed Conifer	Sapling Well	173.3	29	Immature	N/A	2019: West side contains more conifers. Some open areas in the middle. 2009: Sale #020-89. Stand has regenerated to mostly aspen (now 5-20' tall) with a mix of scrub cherry, jack pine, balsam, spruce and white pine. Oak scattered in overstory in portions of stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	10	Sapling/Pole	3	
								Quaking Aspen	46	Sapling/Pole	3	29
								Bigtooth Aspen	20	Sapling/Pole	3	29
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
22	4319 - Mixed Upland Forest	Poletimber Well	14.9	76	51-80	N/A	2019: The majority of the red maple is small, poor quality. Many trees not merchantable (2-4" dbh). 2009: Small scrubby red maple mixed with aspen. The aspen is merchantable, some decent clones 3-4 sticks tall but most is not very good quality. Thick balsam fir understory in places. White pine is regenerating nicely in places. This may be the species to manage for long term. Treat stand when adjacent stand 23 is treated.																																				
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23	42120 - Planted Jack Pine	Poletimber Well	187.8	56	81-110	N/A	2019: Generally tall straight jack pine. Portions of the stand have a variety of other tree species. Some scattered blowdown and some mortality. Rolling terrain. Blueberry, bracken fern, wintergreen, grass, lichen. 2009: Jack pine is straight and fairly tall in places. Some areas the diameter is smaller but overall a decent plantation. Some scattered aspen present. Avg. DBH is 6-10" with BA ranging from 60-140. Some mortality evident from a JP budworm outbreak 2 years ago but not significant. Treat in 10 years. Aspen, white pine present throughout stand, some red maple and spruce as well.																																				
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24	4133 - Aspen, Mixed Pine	Sapling Well	7.5	29	Immature	N/A	2009: Sale #020-89. Stand has regenerated to mostly aspen (now 5-20' tall) with a mix of scrub cherry, jack pine, balsam, spruce and white pine. Oak scattered in overstory in portions of stand.																																				
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25	3303 - Mixed Low Density Trees	Nonstocked	6.1		Unspecified	No	2019: East part of stand is an old RR grade with a few trees. West part of stand is filling in faster and may be separate next entry. 2009: Ground cover is bracken fern and grass with old scattered white pine stumps. Jack pine and aspen have regenerated in stand and have begun to fill it in.																																				
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26	6122 - Black Spruce	Poletimber Well	4.6	87	51-80	N/A	2019: Seasonal drainage, no defined banks but water in the spring of some years, such as now (May). Some blowdown. 2009: Stand falls in a depression / intermittent drainage. Pole sized black spruce with a few scattered red / white pine sawlog sized tree. Schedule with surrounding jack pine or spruce stand to the south. Soil type was typed as Finch Sand in soil survey - no OI code.																																				
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27	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	3.5	81	1-50	N/A	2019: Scattered overstory (WP mix) with fairly dense saplings (aspen, red maple mix). BA observed from 10-80, with average around 50. 2009: Stand is a mixed bag of tree species and size classes filling in an old opening. There is a white/red/jack pine, oak, birch, aspen & maple overstory. All species seem to be regenerating to an degree or another, mixed pine may be the best thing to manage for long term.. Mostly bracken fern and grass ground cover.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
28	6122 - Black Spruce	Poletimber Well	8.5	87	51-80	N/A	2019: Seasonal drainage, no defined banks. Currently water in stand (May). 2009: Stand falls into a small depression that is slightly wetter than surrounding topography. Dry now. Spruce is mostly small diameter although there are some taller ones. Scattered red, white & jack pine mixed in. Soil survey had soil typed as Paquin Sand - no OI code for this.																																														
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29	42290 - Natural Mixed Pine	Poletimber Medium	40.1	57	1-50	N/A	2019: Stand contains some nice jack pine patches. Rolling terrain. Variable sizes/ages. 2009: Stand is a mixed bag of tree species and size classes filling in an old opening. There is a white/red/jack pine, oak, birch, aspen & maple overstory. All species seem to be regenerating to on degree or another. Mostly grass and bracken fern ground cover. Long term stand will probably become a denser mixed pine stand with oak and less of an open condition.																																														
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30	6122 - Black Spruce	Poletimber Well	47.4	87	81-110	N/A	2019: Some scattered blow down; some mistletoe, and cankers in spruce. Spruce with a mix of other species in patches. 2009: Stand is mix of spruce, tamarack, hemlock, white & red pine. Sawlog sized red/white pine & some hemlock occur along a ridge that runs on the south edge of stand. Ridge is open grown in some areas. The ridge is somewhat steep in some places but not a long grade. The spruce occurs on lower/wetter areas where it is smaller and along the heels of the ridge where the spruce is better quality. There is evidence of past logging, an old road and skid trails present. Seasonal conditions need to be considered if treatment occurs. Soil = Wallace/Spot Complex.																																														
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31	6122 - Black Spruce	Poletimber Well	69.4	87	81-110	N/A	2019: Nice tall spruce with a mix of other species. Species distribution varies throughout the stand - sometimes solid spruce and sometimes lowland mix. Mainly flat terrain. Scattered blowdown. 2009: Stand is a mix of black spruce, cedar, white pine, hemlock & white birch. Stand was harvested sometime in the 30's. Being that the soil is carbondale/lupton/tawas complex, and in order to minimize damage from logging, the seasonal conditions would have to be right if treatment occurs. 98(saw)=39, 30. 98 (pulp)= 39,30,27.																																														
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32	42290 - Natural Mixed Pine	Sawtimber Medium	49.0	81	51-80	N/A	2019: All sizes and ages of WP with a variety of other species mixed in. 2009: Stand is a mixed bag of tree species and size classes filling in an old opening. There is a white/red/jack pine, oak, birch, aspen & maple overstory. All species seem to be regenerating to on degree or another. Mostly grass and bracken fern ground cover. Long term stand will probably become a denser mixed pine stand with oak and less of an open condition.																																														
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33	42200 - Natural White Pine	Sawtimber Poor	23.5	81	1-50	N/A	2019: East part of stand is much more open. All ages/sizes of white pine with a variety of other species. Blueberry bracken fern, lichen.																																																
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34	3303 - Mixed Low Density Trees	Nonstocked	2.9		Unspecified	No	2009: Ground cover is bracken fern and grass with old scattered white pine stumps. Jack pine and aspen have regenerated in stand and have begun to fill it in.																																																
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35	6122 - Black Spruce	Poletimber Well	17.9	87	51-80	N/A	2019: Species composition and BA variable. 40-120BA observed, with 80 average. Many non-merchantable saplings 2-4" dbh in some places. There is a lot of cedar regen of all sizes. Ground cover is mainly moss, ferns and Labrador tea. Very little standing water.																																																
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36	4136 - Aspen, Mixed Conifer	Sapling Well	6.3	16	Immature	N/A	2019: Dense 1-2" dbh trees with scattered WP residual.																																																
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37	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	18.6	87	81-110	N/A	2019: Conifer mix with some large hemlock and white pine. Mainly flat terrain.																																																
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38	6122 - Black Spruce	Poletimber Well	12.7	87	81-110	N/A	<p>2019: Did not visit this entry, but from photos it appears similar to nearby stands I did go to. Black spruce with paper birch, red maple, cedar, and tamarack.</p> <p>2009: Stand was harvested sometime in the 30's. Being that the soil is mostly carbondale this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable and within the influence zone of the feeder creeks leading to the east branch fox river.</p>																																																						
39	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	23.9	100	81-110	N/A	<p>2019: Variable species composition, density and size classes. Steep in some places and flat in others. East part is mainly paper birch and red maple poles. Pockets of thick saplings (1-3" dbh). Ridge contains some large hemlock and white pine.</p> <p>2009: Stand occurs along a ridge which is moderately steep in places. Old hemlock and white pine along with spruce, balsam, cedar, white birch & red maple. Some thick balsam understory in places. Also some large diameter hemlock/white pine groves in places (H9).</p>																																																						
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40	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	27.8	42	1-50	N/A	<p>2009: Looks like the water table has been a bit backed up in here due to beaver activity on a feeder stream to the east causing much of the overstory timber to die out. The overstory that exists now is a mix of scattered black spruce, cedar, red maple & birch. Timber is low quality. The understory is thick with spruce, cedar & fir regeneration.</p>																																																						
41	6122 - Black Spruce	Poletimber Well	8.6	87	81-110	N/A	<p>2019: Nice tall spruce with other species mixed in. Flat terrain. Some water near lowland stand 42,</p> <p>2009: Stand was harvested sometime in the 30's. Being that the soil is mostly carbondale this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable. In order to minimize damage from logging, the seasonal conditions would have to be right.</p>																																																						
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42	6229 - Mixed lowland shrub	Nonstocked	65.9		Unspecified	No	<p>2019: some areas contain merchantable trees</p> <p>2009: Stand consists of feeder streams to Deer Creek which is designated as "2nd quality trout water".</p>																																																						
43	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	32.3	87	81-110	N/A	<p>2019: remote call based on previous inventory.</p> <p>2009: Stand is not accessible. Need to cross Deer Creek to reach it. Stand is in low/wet ground.</p>																																																						
44	6122 - Black Spruce	Poletimber Well	18.5	87	81-110	N/A	<p>2019: Nice tall spruce with other species mixed in. Some scattered blowdown.</p> <p>2009: Stand was harvested sometime in the 30's. Being that the soil is mostly carbondale, this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable. In order to minimize damage from logging, the seasonal conditions would have to be right.</p>																																																						
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45	429 - Mixed Upland Conifers	Sawtimber Well	21.3	91	51-80	N/A	2019: Ridge with larger hemlock and white pine and some open areas. Lowland areas with a larger variety of pole and sapling sized trees.																																																								
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46	6122 - Black Spruce	Poletimber Well	33.4	87	81-110	N/A	2009: Stand is a mix of black spruce, cedar, white pine, hemlock & white birch. Stand was harvested sometime in the 30's. Being that the soil is mostly carbondale, this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable. In order to minimize damage from logging if it were to occur, the seasonal conditions would have to be right.																																																								
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47	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	53.5	87	81-110	N/A	2009: Stand was harvested sometime in the 30's. Being that the soil is mostly carbondale, this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable. In order to minimize damage from logging if it were to occur, the seasonal conditions would have to be right.																																																								
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48	622 - Lowland Shrub	Nonstocked	29.6		Unspecified	No	2009: Stand area consists of feeder streams to Deer Creek which is designated as "2nd quality trout water".																																																								
49	500 - Water	Nonstocked	1.9		Unspecified	No	Wide area of Deer Creek which is designated as "2nd quality trout water".																																																								
50	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	15.7	87	81-110	N/A	2019: Mix of hardwood and conifers. Poor quality red maple. Paper birch showing some mortality. BA observed from 40-110. Some areas with fairly dense 1-3" B. fir and Red maple saplings. Some standing water along west near stand lowland stand. Old roads/trails from past logging. Some areas with dense cedar and b. fir regen. 2009: Stand was harvested sometime in the 30's. Being that the soil is carbondale/lupton tawas complex, this stand may be difficult to treat. Also the stand is located in a difficult location making it nearly inoperable. In order to minimize damage from logging, the seasonal conditions would have to be right. 99=03,04																																																								
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51	3303 - Mixed Low Density Trees	Nonstocked	3.5		Unspecified	No	2019: Slowly filling in with trees. Stand is smaller than 10 years ago. Bracken fern, blueberry, grass, lichen. 2009: Stand is currently grass & bracken fern with an occasional "wolfy" jack pine in overstory. Also some jack pine and scrub cherry/aspens regeneration. Stand has "stump field" areas - remnants of the "old pine days".				
								Sub-Canopy Species	Density	Avg. Height	Size
								Black Cherry	Low	10 - 20 feet	Sapling
								Quaking Aspen	Low	10 - 20 feet	Sapling
								White Pine	Low	>20 feet	Pole
Red Pine	Low	>20 feet	Pole								
52	3303 - Mixed Low Density Trees	Nonstocked	4.1		Unspecified	No	Slowly filling in with trees.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Quaking Aspen	Low	Variable	Sapling
								White Pine	Low	>20 feet	Pole
								Jack Pine	Low	Variable	Sapling
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