



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42063

Entry Year 2021

Acreage: 2,460

County Chippewa

Management Area: Whitefish Vermillion Point

Revision Date: 2019-08-05

Stand Examiner: Amy Douglass

Legal Description:

T49N R06W Sections 4, 5, 8, 9, 16-21; and T50N R06W Section 33.

Identified Planning Goals:

Timber management, wildlife habitat, and recreation are the main uses of the compartment. The goal is to improve the forest health, and productivity of the area through proper management to promote these uses. Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

Soil and topography:

The compartment is almost entirely Deer Park fine sand on level to rolling ground. Inclusions of Rousseau fine sand are found in a band along the southern edge; and Markey and Carbondale mucks are found along the western border, along the river corridor.

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

The compartment is entirely State land. State land borders to the east, south and west, with small private parcels along the very northern edge. Land use in and around the compartment is primarily for recreational opportunities. Hunting, fishing, snowmobiling, ORV riding, hiking and berry picking all occur throughout the area. Development in the area is moderate as the town of Paradise is only a couple miles to the east.

Unique Natural Features:

The potential exists for numerous threatened and endangered flora and fauna.

Archeological, Historical, and Cultural Features:

None noted within the compartment.

Special Management Designations or Considerations:

M-123 is a Heritage/Scenic route. While the majority of the compartment is jack pine, some longer lived species (namely red pine) will be promoted along the highway. Management activities along the South Branch Betsy River will follow all BMP guidelines.

Watershed and Fisheries Considerations:

Fisheries Values: Good

The South Branch Betsy River is a designated trout stream supporting native brook trout and a rumored coaster brook trout run from Lake Superior. The sand banks are generally high and steep. Because of the soil types in this compartment are primarily sand, Fisheries Division requests to prohibit any heavy equipment within the valley walls of the stream (large bluff that parallels the stream). In addition, any clear-cut treatments prescribed in a stand where aspen is a major component should maintain a 300 ft buffer from the stream with additional consideration of a greater distance due to slopes.

Wildlife Habitat Considerations:

Compartment 63 lies in far northwestern Chippewa County and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and lies with the Whitefish-Vermillion Management Area with moose, spruce grouse and red crossbill as featured species. The Betsy River borders the length of the west side and ensures a good wildlife travel corridor in the compartment. This northern compartment contains significant amounts of young immature jack pine with a very few oak or red pine stands and a few non-pine types along the river. Mature stands tend to have decent species diversity.

Pine dominated ecosystems will have wildlife benefits met by protecting non-pine species present in stands during harvest. Any mast producing species will be maintained post harvest as well as den and nest trees. Public concerns of excessive snags in this compartment warrant snags being dropped on site but left as coarse woody debris. Wildlife species expected to inhabit this compartment include white-tailed deer, black bear, bobcat and moose.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel pits exist in the area, but there is likely some sand 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.

Vehicle Access:

This compartment lies just west of the town of Paradise along the north side of Highway M-123. The Station North Road defines the east boundary of the compartment. Old Paradise Road runs east/west through the center of the compartment. A number of two track roads provide additional access to all areas within the compartment. All roads are sand roads.

Survey Needs:

Survey along south and east side of the NENW Section 4. We have cut near there before, but cannot find corner records.

Recreational Facilities and Opportunities:

Recreational facilities include the Pine Stump Snowmobile Trail (Trail #8). Opportunities for recreation include hunting, fishing, hiking, berry picking, wildlife/nature viewing, snowmobiling and ORV riding. The area is heavily used by the residents of Paradise for a multitude of recreational opportunities.

Fire Protection:

The compartment is part of the Whitefish Zone Dispatch area. Large fire runs are possible because of the continuous hazard fuel types and long response times. Access by heavy wheeled equipment is good because of the upland sandy road network, except in areas of loose sand. Risk to private properties outside the compartment would be moderate to high.

Additional Compartment Information:

The following reports from the Inventory are attached:

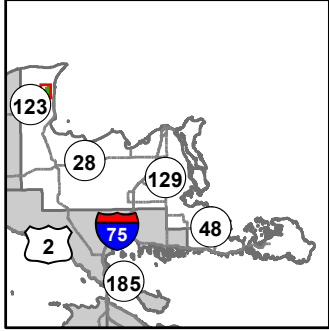
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

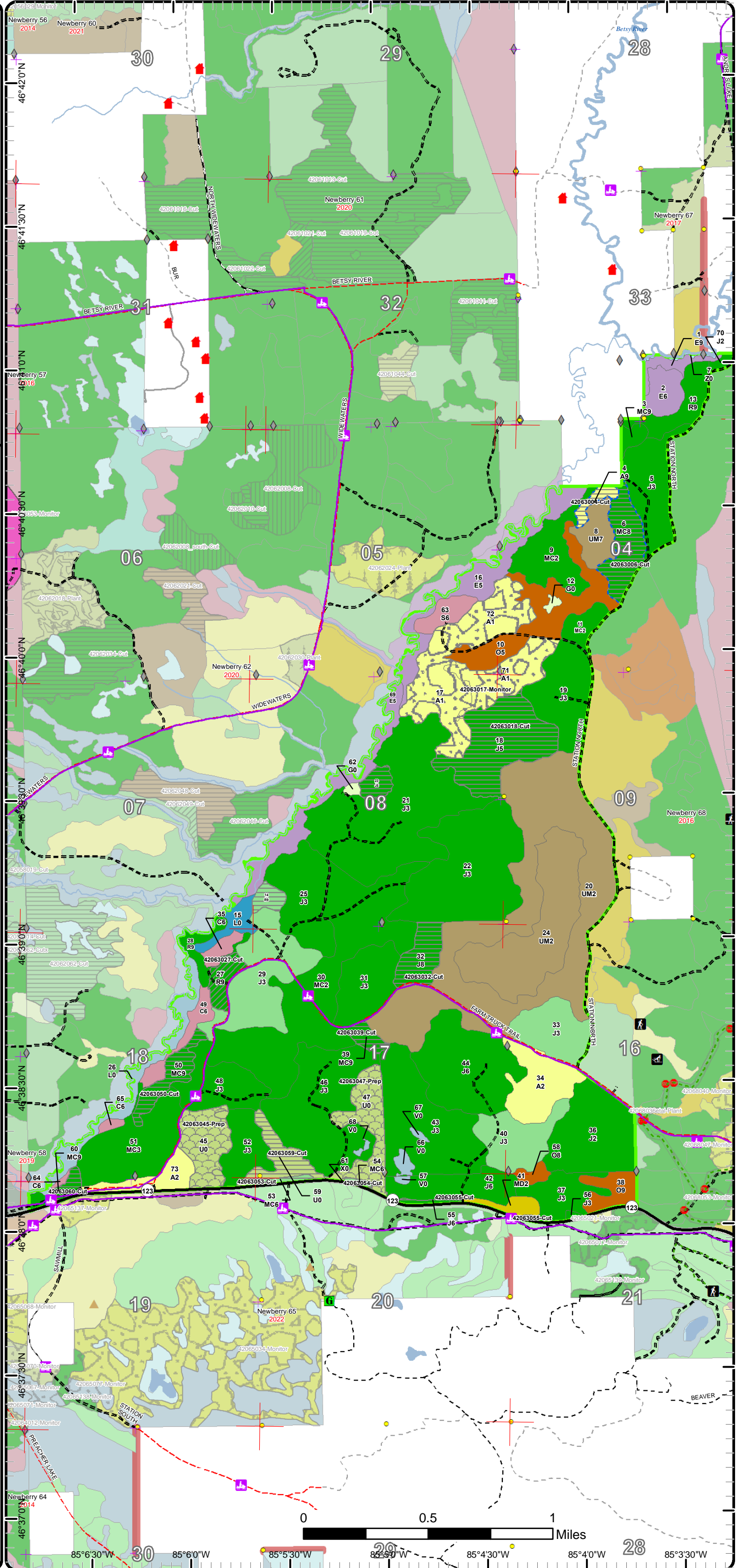
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 63
 T50N, R06W, Sec. 33
 T49N, R06W, Sec. 4, 5, 7-9, 16-21
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2021
 Acres: 2,460 GIS Calculated
 Examiner: Amy Douglass
 Map Revised: 12/19/2019
 Map Phase: Post-Review

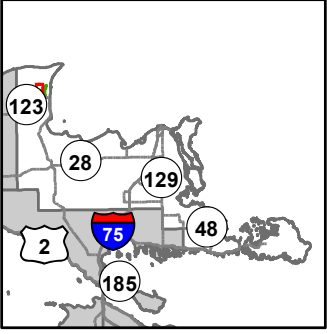


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Ski Trails
- Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- Sign
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

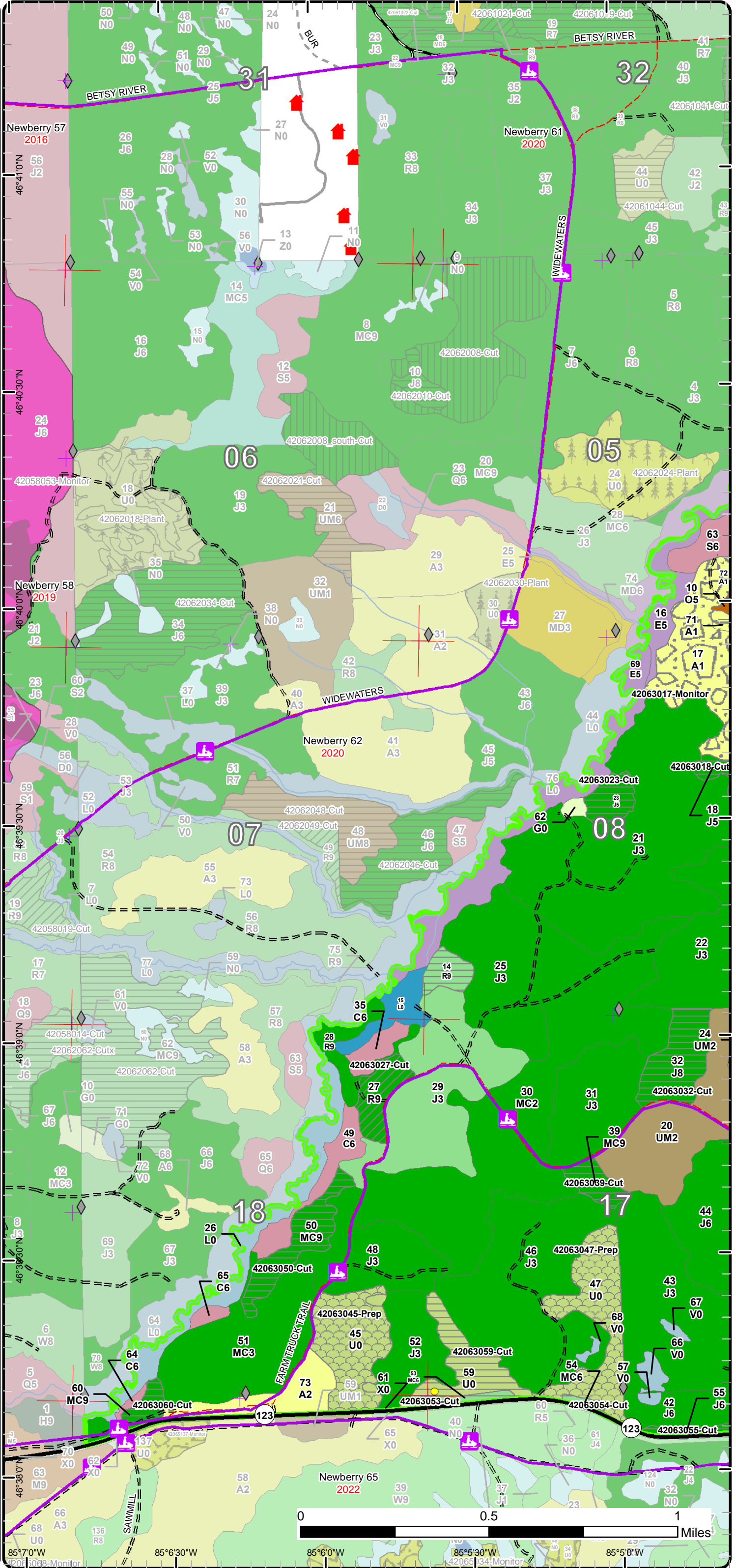


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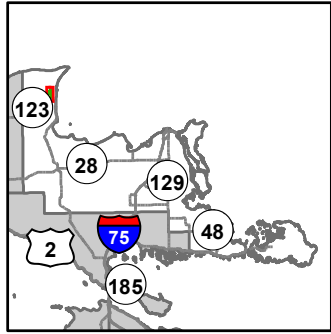


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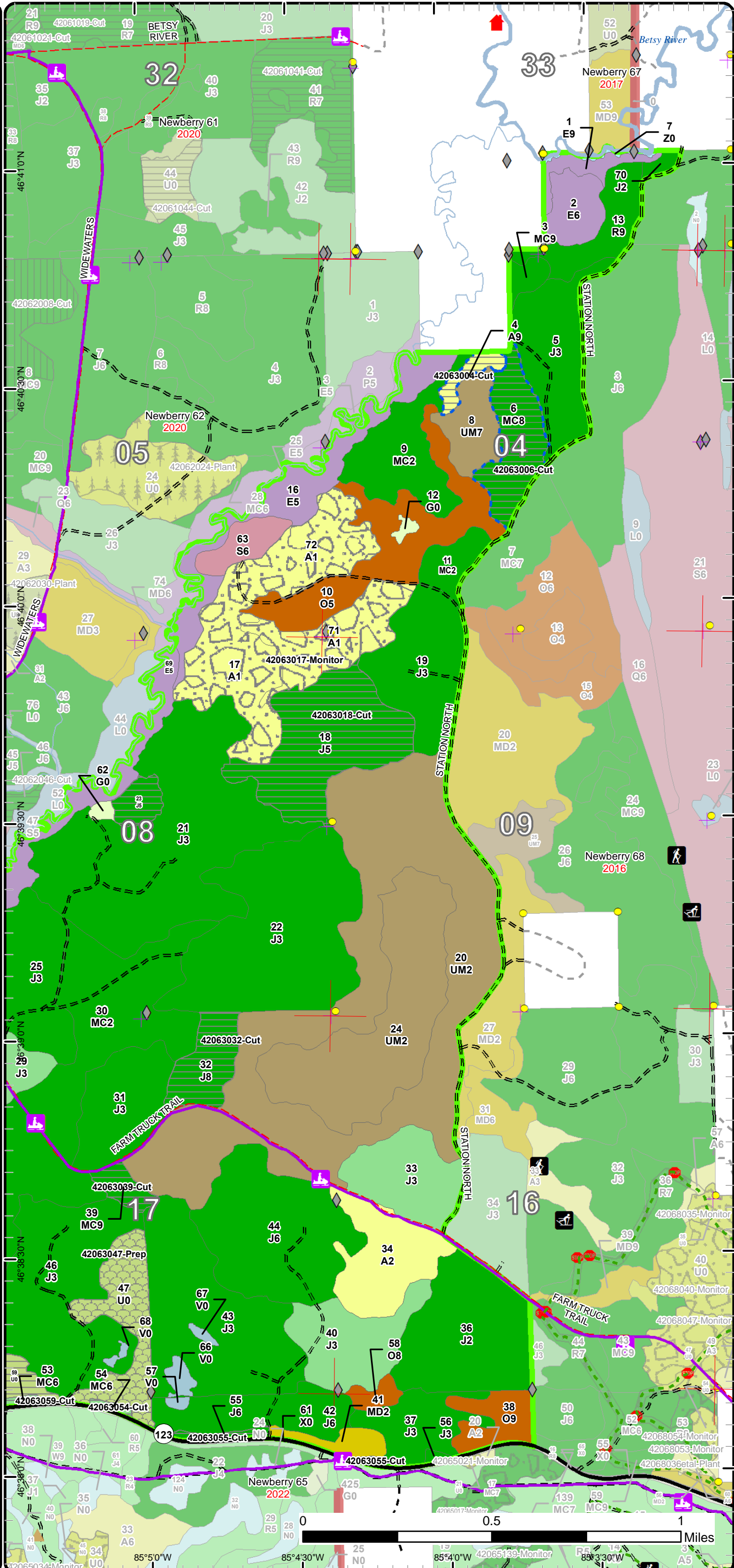


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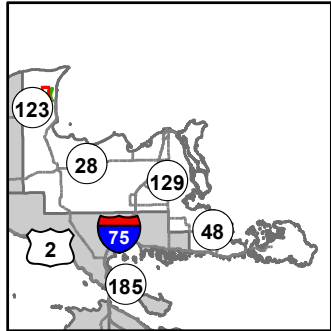


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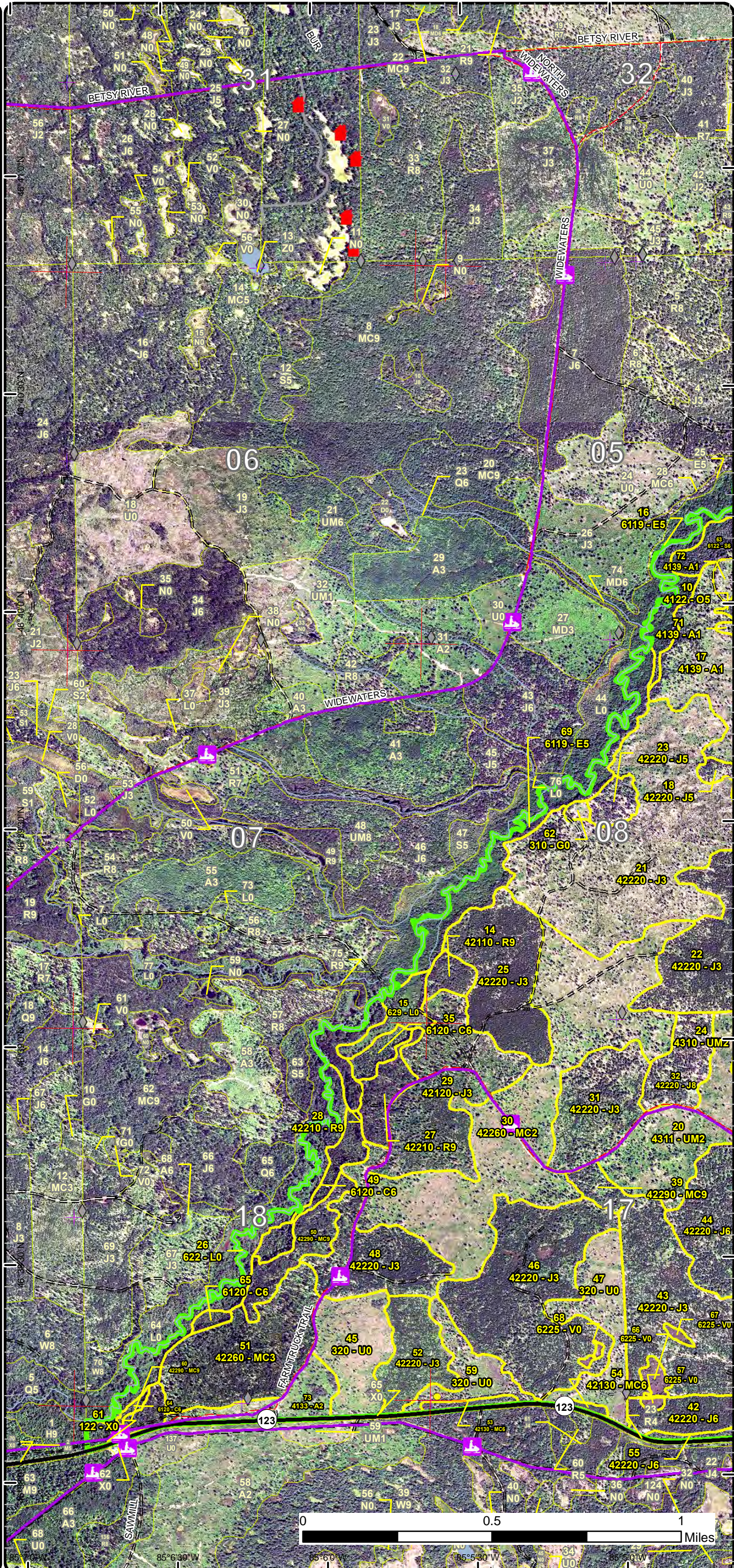


Stand Boundary Map

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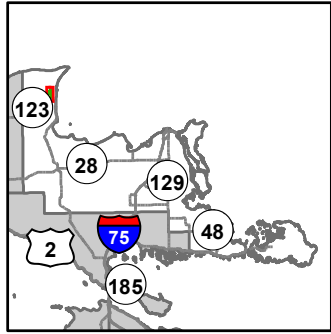


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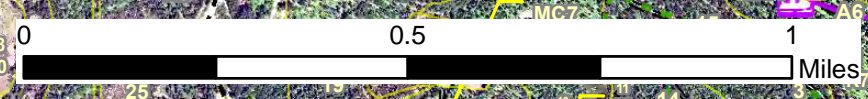
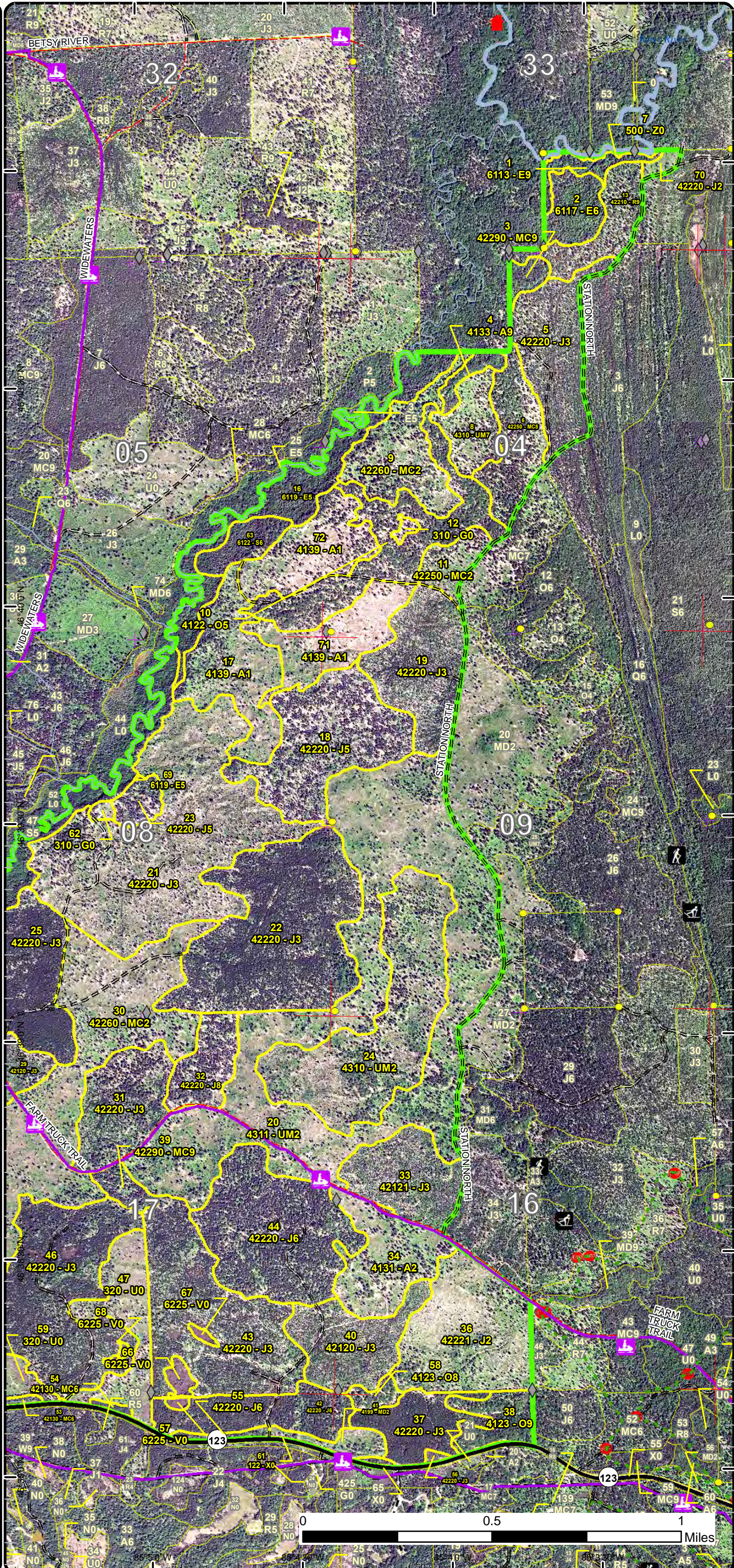


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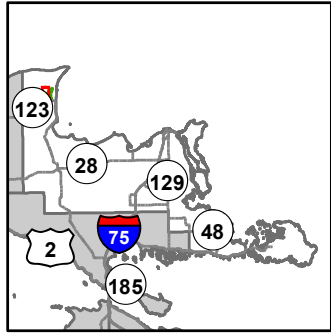


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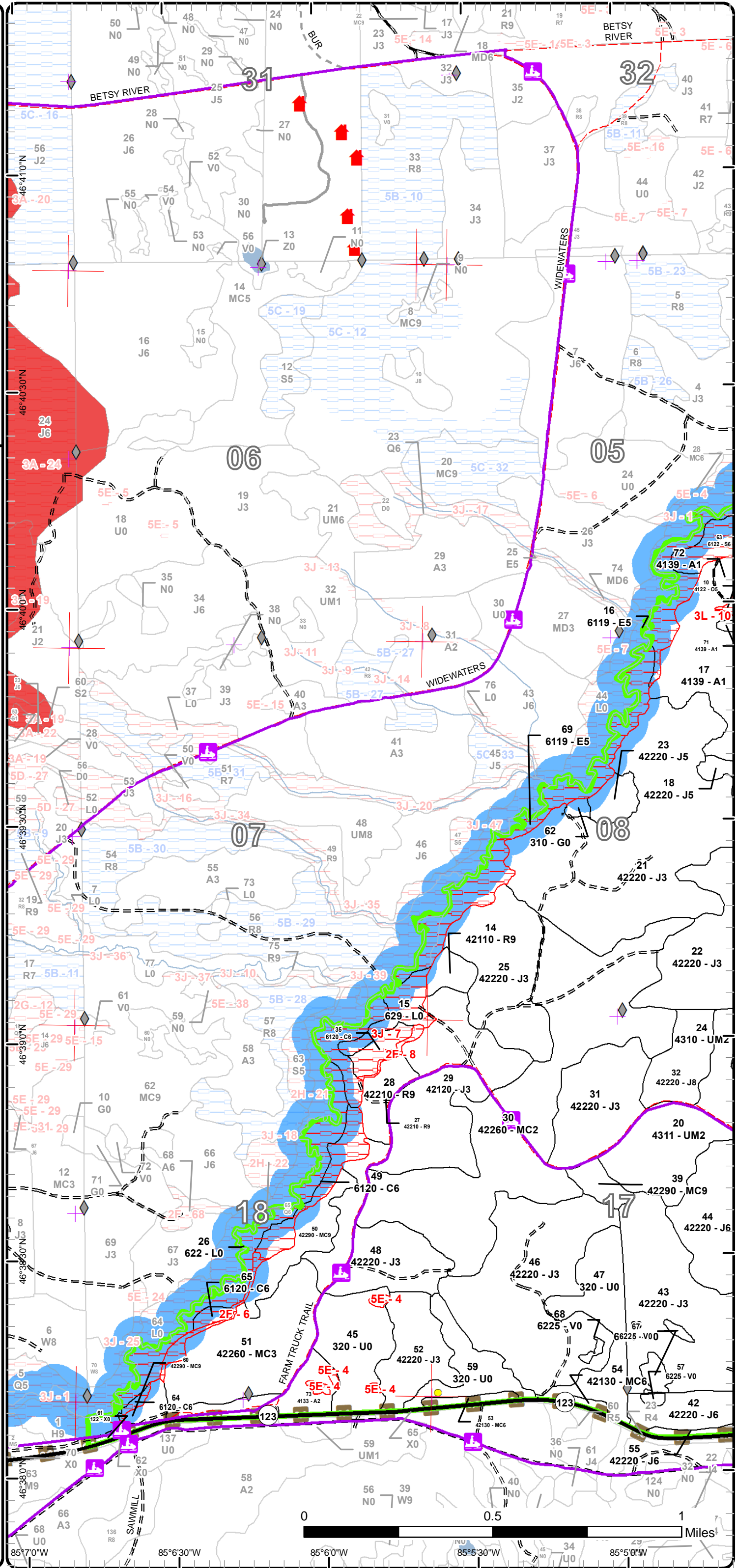


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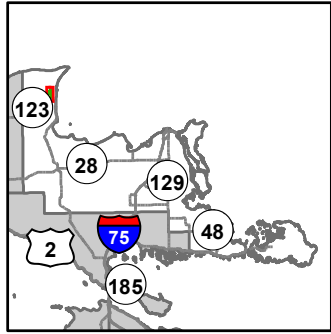


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- Compartment Boundary
- Unavailable
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- High Priority Trout Stream Buffer

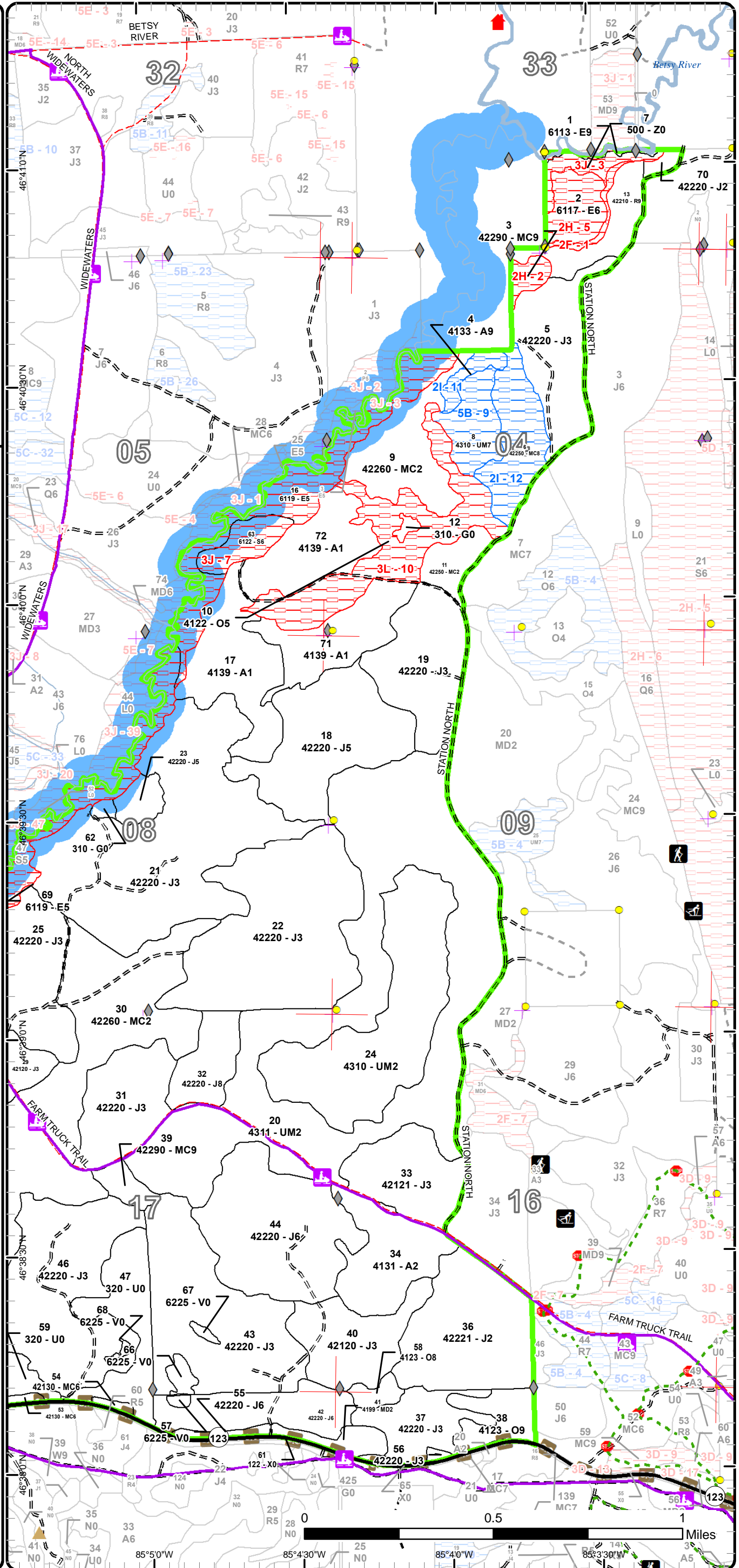


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- Sign
- ▭ Compartment Boundary
- ▭ Available w/ Constraints
- ▭ Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 2F: Too steep
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 63

Year of Entry 2021

Amy Douglass : Examiner



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|------------------------|------------|------------|------------|------------|------------|------------|----------|-----------|------------|------------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 177 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 183 |
| Bog | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Herbaceous Openland | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Jack Pine | 0 | 0 | 368 | 115 | 452 | 113 | 0 | 21 | 0 | 77 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1150 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 |
| Lowland Shrub | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Mixed Upland Deciduous | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Natural Mixed Pines | 0 | 0 | 202 | 60 | 0 | 0 | 0 | 0 | 13 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 334 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| Planted Mixed Pines | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 |
| Upland Mixed Forest | 0 | 0 | 331 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 351 |
| Upland Shrub | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| Urban | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Water | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 149 | 186 | 901 | 175 | 457 | 113 | 0 | 27 | 161 | 285 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2459 |



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 63
Total Compartment Acres: 2,460

Commercial Harvest - 176
 Harvests with Site Condition - 37
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|----------------------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Aspen | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Jack Pine | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 |
| Natural Mixed Pines | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Planted Mixed Pines | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Red Pine | 7 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 19 |
| Upland Shrub | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Total | 201 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 213 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|------------------|------------|------------|------------|------------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 213 | 66 | 0 | 0 | 0 | 0 | 118 | 0 | 0 | 397 |
| Next Step | 0 | 306 | 261 | 136 | 0 | 67 | 613 | 0 | 0 | 1382 |
| Total | 213 | 372 | 261 | 136 | 0 | 67 | 731 | 0 | 0 | 1779 |



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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 |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

Approved Treatments:

| | | | | | | | | | | | |
|--|---------------------|------|--------------------------|------------------|----|--------|---------|-------------------------|---------------------------|-----------|----|
| 4 | 42063004-Cut | 6.1 | 4133 - Aspen, Mixed Pine | Sawtimber Well | 60 | 51-80 | Harvest | Clearcut | 4131 - Aspen, Oak | Even-Aged | No |
| <p><u>Prescription</u> Clearcut all species except oak. Oak may need to be harvested in limited quantities for maneuverability. No retention due to small acreage and operability. Leave some aspen in the red line.</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> Aspen, oak, jack pine, red pine, white pine, birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Narrow ridge, but access can be gained in places. Acreage may be reduced due to accessibility.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | | |
| 6 | 42063006-Cut | 30.9 | 42250 - Pine, Oak | Sawtimber Medium | 84 | 81-110 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Clearcut all species, except oak. Patch retention (2 patches - probably best along steep N/S hillside in the middle of the stand and one other patch on south side).</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site</p> <p><u>Treatments:</u> Prep; Pesticide, Skidder - Release</p> <p><u>Acceptable</u> Red pine with small amounts of associated species, including jack pine, white pine, and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Acreage may be reduced due to steep slope in middle of stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | | |
| 14 | 42063014-Cut | 7.3 | 42110 - Planted Red Pine | Sawtimber Well | 79 | 81-110 | Harvest | Clearcut | 42220 - Natural Jack Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees, leaving all oak and legacy red pine (SW corner). No retention due to small size. Leave 100' buffer along river. Protect understory spruce, where feasible, as structural diversity for wildlife.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Hand Seed; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine, red pine, white pine with associated aspen, oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Very hilly stand. Will need to identify access points.</p> <p><u>Comment:</u> Seed following harvest. Probably too hilly for scarification.</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 |
|--|-------|-------------------------------|-------------------|-----------|----------|----------------|-------------------------|---------------------------|---------------|-------------|
| 17 42063017-Monitor | 117.9 | 4139 - Aspen, Mixed Deciduous | Sapling Poor | 2 | Immature | Monitoring | Artificial Regen(3yr) | 42120 - Planted Jack Pine | Even-Aged | No |
| <u>Prescription</u> Monitor for adequate regeneration. Moved to 10/1/2020 based on canopy dynamics of over-topping aspen and snow load at time of regeneration survey. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> jack pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | |
| 18 42063018-Cut | 68.3 | 42220 - Natural Jack Pine | Poletimber Medium | 84 | 51-80 | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | No |
| <u>Prescription</u> Cut all trees except oak. Use patch retention. Patches should include red pine/white pine, where present, for red crossbill. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Hand Seed; SitePrep, Trenching; Planting, Initial Plant; <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Acceptable</u> Jack pine with associated red pine, oak and aspen. <u>Regen:</u> <u>Other</u> Scarify after harvest. Seed if needed to supplement natural regeneration. Trench/plant if natural regeneration fails. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | |
| 23 42063023-Cut | 8.3 | 42220 - Natural Jack Pine | Poletimber Medium | 84 | 51-80 | Harvest | Clearcut | 4222 - Natural Jack Pine | Even-Aged | No |
| <u>Prescription</u> Cut all trees except oak (for wildlife). No retention due to small acreage. Leave 100' buffer along river. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Hand Seed; SitePrep, Trenching; Planting, Initial Plant; <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Acceptable</u> Jack pine with associated red pine and aspen. <u>Regen:</u> <u>Other</u> Scarify after harvest. Seed if needed to supplement natural regeneration. Trench/plant if natural regeneration fails. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | |
| 27 42063027-Cut | 12.1 | 42210 - Natural Red Pine | Sawtimber Well | 85 | 111-140 | Harvest | Crown Thinning | 42210 - Natural Red Pine | Even-Aged | No |
| <u>Prescription</u> Cut all jack pine and thin red pine and white pine. Residual BA should be around 80 - 100 BA, but may be lower due to jack pine removal. <u>Specs:</u> Leave all non-pine species to maximize diversity for wildlife. Protect understory spruce where feasible. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 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 |
|--|-------|----------------------------|------------------|-----------|-------------|----------------|-------------------------|---------------------------|---------------|-------------|
| 32 42063032-Cut | 21.2 | 42220 - Natural Jack Pine | Sawtimber Medium | 68 | 51-80 | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | No |
| <u>Prescription</u> Cut all trees except oak. Patch retention. Leave a few aspen or birch as soft snags for wildlife. | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | |
| <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Hand Seed; SitePrep, Trenching; Planting, Initial Plant; | | | | | | | | | | |
| <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) | | | | | | | | | | |
| <u>Acceptable</u> Jack pine with associated red pine and aspen. | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | |
| <u>Other</u> Scarify after harvest. Seed if needed to supplement natural regeneration. Trench/plant if natural regeneration fails. | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | |
| <u>Site Condition</u> | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | |
| 39 42063039-Cut | 7.5 | 42290 - Natural Mixed Pine | Sawtimber Well | 76 | 81-110 | Harvest | Clearcut with Retention | 42220 - Natural Jack Pine | Even-Aged | No |
| <u>Prescription</u> Cut all trees leaving red pine, white pine and oak along ridge edges only to improve natural corridors for wildlife. Protect understory spruce | | | | | | | | | | |
| <u>Specs:</u> along edges for wildlife. No other retention due to small acreage. Acreage may be reduced due to ridges. | | | | | | | | | | |
| <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Hand Seed; SitePrep, Trenching; Planting, Initial Plant; | | | | | | | | | | |
| <u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) | | | | | | | | | | |
| <u>Acceptable</u> Jack pine with associated red pine, white pine, aspen and oak. | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | |
| <u>Other</u> Scarify after harvest. Seed if needed to supplement natural regeneration. Trench/plant if natural regeneration fails. | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | |
| <u>Site Condition</u> | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | |
| 45 42063045-Prep | 31.7 | 320 - Upland Shrub | Nonstocked | 0 | Unspecified | SitePrep | Trenching | 4212 - Planted Jack Pine | Even-Aged | No |
| <u>Prescription</u> Trench to prepare site for hand planting of jack pine. Trench around standing residual trees, leaving pockets of advanced regeneration where | | | | | | | | | | |
| <u>Specs:</u> present. | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | |
| <u>Acceptable</u> Jack pine with associated red pine, aspen, oak. | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | |
| <u>Other</u> The western line, not on the road, is defined by advanced aspen/oak/red maple/pine regeneration. The actual line (acreage) may be different | | | | | | | | | | |
| <u>Comment:</u> than shown. | | | | | | | | | | |
| <u>Site Condition</u> | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | |
| 47 42063047-Prep | 34.1 | 320 - Upland Shrub | Nonstocked | 0 | Unspecified | SitePrep | Trenching | 4212 - Planted Jack Pine | Even-Aged | No |
| <u>Prescription</u> Trench to prepare site for hand planting of jack pine. Trench around standing residual trees, leaving pockets of advanced regeneration where | | | | | | | | | | |
| <u>Specs:</u> present. Treatment area may be reduced due to low inclusions. | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | |
| <u>Acceptable</u> Jack pine with associated red pine, white pine and oak. | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | |
| <u>Other</u> A strip extending on either side of stand 54 could be planted to red pine along M-123 to promote longer lived species along the road. | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | |
| <u>Site Condition</u> | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

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|---|---------------------|------|----------------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|----|
| 50 | 42063050-Cut | 17.9 | 42290 - Natural Mixed Pine | Sawtimber Well | 85 | 81-110 | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees leaving patch retention (at least 2 patches to be left closest to the river, to maximize species diversity and improve travel corridors for wildlife).</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Hand Seed; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine, red pine, white pine with associated aspen, oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Very hilly. Will need to identify access points and harvestable area. Treatment area may be reduced due to terrain and operability.</p> <p><u>Comment:</u> Seed following harvest. Probably too hilly for scarification.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | | |

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|---|---------------------|-----|-----------------------------|-----------------|----|--------|---------|----------|-------------------------|-----------|----|
| 53 | 42063053-Cut | 3.3 | 42130 - Planted Scotch Pine | Poletimber Well | 38 | 81-110 | Harvest | Clearcut | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees. No retention due to small acreage and trying to discourage scotch pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Follow harvest with site prep spray to discourage any scotch pine. Trench/plant to red pine to promote longer lived species along M-123 corridor. Extend red pine strip along the road into adjacent stand 59.</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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|---|---------------------|-----|-----------------------------|-----------------|----|--------|---------|----------|-------------------------|-----------|----|
| 54 | 42063054-Cut | 1.4 | 42130 - Planted Scotch Pine | Poletimber Well | 38 | 81-110 | Harvest | Clearcut | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees. No retention due to small acreage and trying to discourage scotch pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Follow harvest with site prep spray to discourage any scotch pine. Trench/plant to red pine to promote longer lived species along M-123 corridor.</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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|--|---------------------|-----|---------------------------|-----------------|----|-------|---------|----------|-------------------------|-----------|----|
| 55 | 42063055-Cut | 4.0 | 42220 - Natural Jack Pine | Poletimber Well | 96 | 51-80 | Harvest | Clearcut | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees except oak. No retention due to small size. Snags should be cut for visuals along M-123, but remain on site.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine with associated jack pine, oak, aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u> Trench/plant to red pine to promote longer lived species along M-123 corridor.</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 |
|---|-------|----------------------------|----------------|-----------|--------------|----------------|------------------|--|---------------|-------------|
| 59 42063059-Cut | 19.3 | 320 - Upland Shrub | Nonstocked | 0 | Unspec ified | Harvest | Clearcut | 4212 - Planted Jack Pine | Even-Aged | No |
| <p><u>Prescription</u> Cut remaining trees in preparation of trenching. Leave all oak, where present. No retention due to topography and operability needs of follow up regeneration needs. Treatment area may be reduced due to low inclusions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine with associated red pine, white pine and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> This is a failed scarification site with too many residual trees for trenching opportunities. A strip along M-123 on either side of stand 53 will be managed for longer lived species. Red pine will be planted in this strip, while the remaining stand will be planted to jack pine.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | |
| 60 42063060-Cut | 5.5 | 42290 - Natural Mixed Pine | Sawtimber Well | 85 | 81-110 | Harvest | Clearcut | 42221 - Natural Jack Pine, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Cut all trees, leaving occasional red pine and all oak. No retention due to small size.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Seeding, Hand Seed; SitePrep, Trenching; Planting, Initial Plant;</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> Jack pine and aspen, with associated red pine and white pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Snowmobile trail parallels M-123. Scarify after harvest. Seed if needed to supplement natural regeneration. Trench/plant if natural regeneration fails.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | |

Total Treatment 396.8
Acres Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 63
Year of Entry: 2021



Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | | | | | |
|-------------|-----------------|----------------|---------------|--------------------------|--------------------------|----|----|----|-----|----|----|---|
| | | With Condition | Not Available | | 2I | 5B | 2F | 2H | 3J | 3L | 5E | |
| 183 | 176 | 6 | 2 | Aspen | 6 | | | | | | | 2 |
| 7 | 7 | 0 | 0 | Bog | | | | | | | | |
| 24 | 0 | 0 | 24 | Cedar | | | | | 24 | | | |
| 3 | 3 | 0 | 0 | Herbaceous Openland | | | | | | | | |
| 1149 | 1149 | 0 | 0 | Jack Pine | | 0 | 0 | | | | | 0 |
| 107 | 0 | 0 | 107 | Lowland Deciduous | | | | 17 | 90 | | | |
| 43 | 0 | 0 | 43 | Lowland Shrub | | | | | 43 | | | |
| 13 | 0 | 0 | 13 | Lowland Spruce/Fir | | | | | 13 | | | |
| 9 | 9 | 0 | 0 | Mixed Upland Deciduous | | | | | | | | |
| 334 | 293 | 31 | 10 | Natural Mixed Pines | 31 | | 4 | 6 | | | | |
| 80 | 22 | 0 | 58 | Oak | | | | | | | 58 | |
| 5 | 5 | 0 | 0 | Planted Mixed Pines | | | | | | | | |
| 56 | 40 | 0 | 16 | Red Pine | | | 5 | | 11 | | | |
| 351 | 331 | 20 | 0 | Upland Mixed Forest | | 20 | | | | | | |
| 86 | 85 | 0 | 1 | Upland Shrub | | | | | | | | 1 |
| 6 | 6 | 0 | 0 | Urban | | | | | | | | |
| 2 | 0 | 0 | 2 | Water | | | | | 2 | | | |
| 2,460 | 2,127 | 57 | 276 | Total Forested Acres | 37 | 20 | 9 | 22 | 184 | 58 | | 3 |
| | 86% | 2% | 11% | Relative Percent | | | | | | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|--|---------------------------------|--|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 2F: Too steep | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Steep drop off down to flood plain. | | | | | | | |
| 2 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Steep bluff down to old oxbow. Contains upland on other side of oxbow. | | | | | | | |

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 63
Year of Entry: 2021



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|--|-------------|--|-----|---|---|-------------|-------------|
| 3 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 5E: Long-Term Retention | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 17 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: Stands are located below bluff and contain old oxbows. | | | | | | | |
| 6 | Unavailable | 2F: Too steep | 4 | 5E: Long-Term Retention | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 174 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 2F: Too steep | 2 | 5E: Long-Term Retention | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 63
Year of Entry: 2021



| | | | | | | | |
|--|--------------------|---|----|-------------|-------------|-------------|-------------|
| 9 | Available | 5B: Maintain for regeneration purposes | 20 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 3L: Other wildlife concerns | 58 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Oak ridges providing good travel corridors for wildlife. | | | | | | | |
| 11 | Available | 2I: Survey needed | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 2I: Survey needed | 31 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

| SCA Name | SCA Category | Detail Type | Recommendation | Acres |
|----------|--------------|-------------|----------------|-------|
|----------|--------------|-------------|----------------|-------|

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

| Conservation Area | Type | Description |
|-------------------|------------------------|--|
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |
| SCA | Visual Management Area | An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------|---------|------------|----------|--------------|---|----------------|----|--------------|----|----|-------------|----|----------|----|--|---------------|----|---------------|----|--|---|----|--------------------|---------|-------------|--|------------|--------------------|--------------|-------------|------------|------------|----------|----------|--------------|-----|----------|---------|
| 1 | 6113 - Lowland Maple | Sawtimber Well | 8.3 | 84 | 81-110 | N/A | This stand pretty much lies within the flood plain of the river. The south boundry is a steep embankment. 2009 - White birch and red maple. Steep embankment down to the river. Wet, low quality. No need to attempt to manage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Maple</td> <td>60</td> <td>Log/Pole</td> <td>12</td> <td>84</td> </tr> <tr> <td>Paper Birch</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/XLog/Pole</td> <td>16</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 60 | Log/Pole | 12 | 84 | Paper Birch | 20 | Log/Pole | 10 | | White Pine | 10 | Log/XLog/Pole | 16 | | <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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Medium | Variable | Sapling | Red Maple | Low | Variable | Sapling | Black Spruce | Low | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 60 | Log/Pole | 12 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 20 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Log/XLog/Pole | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Well | 16.7 | 84 | 51-80 | N/A | OPIC - FMD: White birch, aspen, red maple, some cedar and white pine. Wet ground, below the embankment near the river. Includes old oxbows. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Paper Birch</td> <td>50</td> <td>Pole/Log</td> <td>9</td> <td>84</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Paper Birch | 50 | Pole/Log | 9 | 84 | Red Maple | 20 | Pole/Log | 9 | | Quaking Aspen | 10 | Log/Pole | 12 | | Balsam Fir | 10 | Pole | 7 | | <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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Medium | Variable | Sapling | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 50 | Pole/Log | 9 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 10 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 42290 - Natural Mixed Pine | Sawtimber Well | 5.7 | 76 | 81-110 | N/A | Mix of jack pine, red pine, balsam, spruce and some cedar near the river. Below bluff. Old oxbow surrounding stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 50 | Log/Pole | 12 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 25 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4133 - Aspen, Mixed Pine | Sawtimber Well | 6.1 | 60 | 51-80 | N/A | Aspen/Oak stand with high component of jack pine, component of RP, WP and WB also. Narrow ridge between cuts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td> <td>50</td> <td>Log/Pole</td> <td>10</td> <td>60</td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 50 | Log/Pole | 10 | 60 | Red Oak | 15 | Log/Pole | 10 | | Jack Pine | 15 | Pole/Log | 8 | | Red Pine | 10 | Log | 12 | | <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>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | Variable | Sapling | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 50 | Log/Pole | 10 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 15 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 15 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 42220 - Natural Jack Pine | Sapling Well | 45.0 | 34 | Immature | N/A | J3 - Thick. On edge between sapling and pole size. There is a red pine residual scattered in the stand, with some areas of higher residual BA. Cut in 1980, #22-79A. N-S ridges. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 75 | Sapling/Pole | 4 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 42250 - Pine, Oak | Sawtimber Medium | 30.9 | 84 | 81-110 | N/A | S. Branch Pine, sale #42-026-01-1. Sale closed on 11/19/02. There is some oak and birch scattered throughout stand. FTP 42-553 for scarification completed 9/2004. Regeneration count completed 5/3/2007; little regen noted because of thick residual. Continue to monitor. 2009 - Stand is currently an R6 stand with component of white pine and red oak. Thick BA in spots. No evidence of red pine regeneration from the harvest yet. 2019: semi-open east side is below steep ridge. Ridge runs N-S. High residual BA with little regeneration of JP or RP. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 60 | Log/Pole | 12 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 10 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 30 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------------|-------------------|---------|------------|-------------|--------------|---|-----------|----|----------|----|----|----------------|----|----------|----|----|--|----|--------------------|---------|-------------|-----------|-----------|----------|--------------|---------|---|--------|--------------------|---------|-------------|--------|------------|---------|----------|---------|----------|
| 7 | 500 - Water | Nonstocked | 2.0 | | Unspecified | No | Betsy River | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 4310 - Pine, Oak Mix | Sawtimber Poor | 19.9 | 84 | 1-50 | N/A | <p>S. Branch Pine, sale #42-026-01-1. Sale closed on 11/19/2002. FTP 42-553 for scarification completed 9/2004. Regeneration count completed 5/3/2007= 236 t/ac. No JP regeneration noted, at this time. Continue to monitor. Regeneration present include: 71t/ac A, 71RM, 47 Oak, 23W, 23B. Secondary walk-thru regeneration check completed 5/27/08; still not much additional regeneration noted, although some JP was noted now. May likely need supplemental planting, esp. if some of the surrounding stands are planted. Otherwise, give another complete check with next inventory cycle to determine final status. 2009 - Jack pine regeneration is sparse overall. 2 ft tall. Thicker in spots. Lots of residual oak and limby jack pine. 2019: variable regeneration.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 40 | Log/Pole | 12 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 55 | Log/Pole | 12 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 42260 - Natural Pine, Mixed Deciduous | Sapling Medium | 37.3 | 15 | 1-50 | N/A | <p>S. Branch Pine, sale #42-026-01-1. Sale completed on 11/19/02. FTP 42-553 for scarification completed 9/2004. Regeneration count completed 5/3/2007 = 504 t/ac. No JP regen present at this time; continue to monitor. (Spps noted = 108 t/ac each A, RM, 72 t/ac each Oak,W,PB,BF.) Secondary regeneration count completed 5/27/08; still not much additional regen, although some JP is now present. May need to plant, esp. if adjacent stands are planted. Otherwise, recheck with next inventory cycle to determine final status. 2009 - Jack pine regeneration is sparse overall. 2 ft tall. Thicker in spots. Lots of residual oak and limby jack pine. 2019: very hilly! Variable regeneration - JP 10-20' tall.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 40 | Sapling | 1 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 10 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log | 13 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 4122 - Oak, Pine | Poletimber Medium | 58.2 | 80 | 51-80 | N/A | <p>Variable mix - heavier to RP/WP or oak in places. Stand provides good corridor for wildlife as well as visual buffer between adjacent jack pine harvests.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Pine</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>60</td> <td>Pole/Log</td> <td>8</td> <td>80</td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 20 | Pole/Log | 9 | | White Pine | 10 | Pole/Log | 9 | | Red Oak | 60 | Pole/Log | 8 | 80 | Jack Pine | 10 | Pole/Log | 9 | | <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>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | Variable | Sapling | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 60 | Pole/Log | 8 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 42250 - Pine, Oak | Sapling Medium | 12.9 | 10 | 1-50 | N/A | <p>There is some scattered oak and red pine throughout the stand. Stand harvested as "Paradise Salvage #3", sale #033-06-01. Complete 5/29/08. Scarification completed 8/2008 (FTP42-678). 2009 - Partially direct seeded winter of 2008/2009. Regeneration check needed by 2012. Summer 2012: JP = 456 TPA = 456 2019: Not much regeneration under higher residual BA. JP ~5-10' tall.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>55</td> <td>Sapling</td> <td>1</td> <td>10</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>35</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 55 | Sapling | 1 | 10 | Red Pine | 10 | Log | 14 | | Red Oak | 35 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 55 | Sapling | 1 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 35 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 310 - Herbaceous Openland | Nonstocked | 1.6 | 0 | Unspecified | No | Semi-open spot within oak stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------------|-------------------|---------|------------|-------------|--------------|--|----|----------|----|----|------------|----|----------|----|--|--|----|--------------------|---------|-------------|---|------------|--------------------|----------|-------------|------------|------------|----------|-------------|---------|---|-----|----------|---------|-----------|-----|----------|---------|-------------|-----|----------|---------|-----------|------|----------|---------|
| 13 | 42210 - Natural Red Pine | Sawtimber Well | 23.8 | 76 | 51-80 | N/A | Higher red pine residual than stand to the south. Cut in 1989 (#014-89). JP sap/pole is patchy. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Pine</td> <td>65</td> <td>Log/Pole</td> <td>12</td> <td>76</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td>30</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Pine | 65 | Log/Pole | 12 | 76 | White Pine | 20 | Pole/Log | 9 | | Jack Pine | 15 | Sapling/Pole | 4 | 30 | <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>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>High</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | 5 - 10 feet | Sapling | White Pine | Low | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | Paper Birch | Low | >20 feet | Sapling | Jack Pine | High | >20 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 65 | Log/Pole | 12 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 20 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 15 | Sapling/Pole | 4 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | High | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 42110 - Planted Red Pine | Sawtimber Well | 7.3 | 79 | 81-110 | N/A | Planting records of Norway/Jack pine mix - planted in 1940. Mature jack pine with good red pine component. Pockets of thick red pine (90-100 sq ft). Minor white pine component. More RP closer to the river, west side of the stand; heavier to JP on east side of stand. Hilly. A couple legacy RP present near SW corner. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Pine</td> <td>60</td> <td>Log/Pole</td> <td>12</td> <td>79</td> </tr> <tr> <td>Jack Pine</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Pine | 60 | Log/Pole | 12 | 79 | Jack Pine | 35 | Log/Pole | 10 | | <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>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | Variable | Sapling | White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 60 | Log/Pole | 12 | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 35 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 629 - Mixed non-forested wetland | Nonstocked | 11.8 | | Unspecified | No | Lowland along river. Scattered trees. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6119 - Mixed Lowland Deciduous Forest | Poletimber Medium | 45.6 | 75 | 51-80 | N/A | 2009 - White birch, balsam and red maple corridor along the South Branch Betsy River. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 4139 - Aspen, Mixed Deciduous | Sapling Poor | 47.1 | 2 | Immature | N/A | This was originally part of stand 71, but did not get trenched and planted. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td> <td>40</td> <td>Sapling</td> <td>1</td> <td>2</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Bigtooth Aspen | 40 | Sapling | 1 | 2 | Red Maple | 25 | Sapling | 1 | | Quaking Aspen | 15 | Sapling | 1 | | <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>High</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Jack Pine | High | < 5 feet | Sapling | <p>Stand harvested via final harvest (all JP cut and aspen < 12" dbh) as sale #008-11-01, Shoulda Drove Jack Pine. Complete 09/06/2013. Scarification yet to be completed as of 09/09/2013. Regeneration check needed per work instructions. Failed regen check. Trenched area where feasible in 2016. Planted to JP in trenches on 5/5/2017. FTP 42-777. Two lobes (eastern lobes) were pretty much fully trenched. The rest of the stand has trenches intermixed through the hills. Regen check needed on whole stand. May delineate out as separate stands during re-inventory.</p> | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 40 | Sapling | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | High | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 42220 - Natural Jack Pine | Poletimber Medium | 68.3 | 84 | 51-80 | N/A | Semi open jack pine stand. Very open in some areas. Overall average of 40-50 sq ft. Up to 70 sq ft and as low as 20 sq ft. Good component of aspen. Some large white pine (16"+). J2/M2/W2 understory. Some mortality in jack pine but not too bad. Hilly. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 95 | Pole | 8 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 42220 - Natural Jack Pine | Sapling Well | 49.1 | 27 | Immature | N/A | "Gall Rust Jack Pine", #022-91-01. Scattered residual aspen and oak. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>85</td> <td>Sapling</td> <td>4</td> <td>27</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 85 | Sapling | 4 | 27 | Red Oak | 10 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 85 | Sapling | 4 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|-------------------|---------|------------|-------------|--------------|---|-----------|----|--------------|---|----|----------------|----|----------|----|----|------------|----|--------------|----|--|---|--|--------------------|---------|-------------|------|------------|-----|----------|---------|------------|-----|-------------|---------|-----------|-----|--------------|---------|--|--|
| 20 | 4311 - Pine, Aspen Mix | Sapling Medium | 235.1 | 10 | Immature | N/A | Stand harvested as "Paradise Salvage #2", sale #032-06-01. Complete 5/29/08. Scarification completed Aug-Sept., 2008 (FTP42-680). Direct seed completed 3/16/2009. Regeneration check needed in 2012 or 2013. Summer 2012: JP = 1712 RO=14 Aspen = 20 RP = 25 WP = 15 Rm = 20 TPA = 1805 2019: JP ~5-10'+ tall; Aspen ~10-30' tall. Variable density of regen. Variable residual. On the brink of full canopy closure. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 35 | Sapling | 1 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 35 | Sapling | 1 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 15 | Pole/Sap/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 42220 - Natural Jack Pine | Sapling Well | 152.1 | 17 | Immature | N/A | Betsy Hills Jack Pine #014-01-01; sale was cut June-Oct., 2002. FTP #42-548 completed 10/2002. Now J2/J3 ~20 ft tall. Sparse in pockets. Residual RP is scattered as well as in pockets. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 75 | Sapling | 2 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Log/Pole | 12 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 42220 - Natural Jack Pine | Sapling Well | 112.3 | 33 | Immature | N/A | Harvested as sale #032-84-01. Cut in 1986. JP, with maple and aspen regeneration. Road through the stand is tight, abandoned. Not quite pole size yet. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 90 | Sapling/Pole | 4 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 8 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 42220 - Natural Jack Pine | Poletimber Medium | 8.3 | 84 | 51-80 | N/A | Semi open jack pine stand. Very open in some areas. Overall average of 40-50 sq ft. Up to 70 sq ft and as low as 20 sq ft. Good component of aspen. Some large white pine (16"+). 2009 - Some mortality in jack pine but not too bad. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>95</td> <td>Pole</td> <td>8</td> <td>84</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 95 | Pole | 8 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 95 | Pole | 8 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 4310 - Pine, Oak Mix | Sapling Medium | 95.9 | 17 | Immature | N/A | Station North Jack Pine, sale 13-01. Sale was cut 5/2002 and completed on 7/01/02. FTP #42-547 for scarification completed 10/2002. Regen Summer 2012: JP = 1712 RO=14 Aspen = 20 RP = 25 WP = 15 Rm = 20 TPA = 1805 2019: Hilly. Variable regen and variable residual. On the brink of full canopy closure. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>40</td> <td>Sapling</td> <td>1</td> <td>17</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>23</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>23</td> <td>Pole/Sap/Log</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 40 | Sapling | 1 | 17 | Bigtooth Aspen | 23 | Sapling | 1 | | Red Oak | 23 | Pole/Sap/Log | 8 | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 40 | Sapling | 1 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 23 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 23 | Pole/Sap/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 42220 - Natural Jack Pine | Sapling Well | 50.7 | 32 | Immature | N/A | Sale #027-84-01. Harvested in 1986-1987. Scarified after harvest. J3 - thick regeneration. Looks planted but no record of planting. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 95 | Sapling/Pole | 4 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 622 - Lowland Shrub | Nonstocked | 31.7 | 0 | Unspecified | No | Corridor along the South Branch Betsy River. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 42210 - Natural Red Pine | Sawtimber Well | 13.7 | 85 | 111-140 | N/A | Mature jack pine with good red pine component. Pockets of thick red pine (90-100 sq ft). Minor white pine component. More RP closer to the river, west side of the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 30 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 60 | Log | 14 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|-----------------------|--|------------------|-------------------|------------|------------|---------------------------|--|-------------|
| 28 | 42210 - Natural Red Pine | Sawtimber Well | 10.9 | 85 | 111-140 | N/A | Some jack pine in stand. Stand is on a ridge that extends out from stand 27 to the river (hog's back ridge). | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Red Pine | | 75 | Log | 14 | 85 | Balsam Fir | | Density |
| White Pine | | 10 | Log | 14 | | Variable | | Avg. Height |
| Jack Pine | | 15 | Log/Pole | 10 | | Sapling | Size | |
| 29 | 42120 - Planted Jack Pine | Sapling Well | 69.6 | 19 | Immature | N/A | Hourglass JP, #37-91; FTP 42-353. Stand's southern half was cut in 1993 and scarified in 1994 while the northern half was cut in 1996 and scarified in 1997. The regeneration in both halves seem to be at the same stage - lumped into one stand. J3/J2 4-6 ft tall. Mainly a J3 but some sparse areas of J2. Residual RP throughout. Machine planted to JP in May 2000. JP ~20-30' tall. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 75 | Sapling | 2 | 19 | | | |
| Red Pine | | 20 | Log/Pole | 11 | 84 | | | |
| 30 | 42260 - Natural Pine, Mixed Deciduous | Sapling Medium | 152.3 | 10 | Immature | N/A | Stand harvested as "Paradise Salvage #1", sale #031-06-01. Completed 5/29/08. Scarification completed Sept - Oct., 2008 (FTP42-679). Direct seeded with JP (MI 0265) March, 2009. Regeneration check needed in 2012. Summer 2012: JP = 342 RP = 57 WP = 57 Aspen = 17 TPA = 473. 2019: JP ~20'+ tall. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 50 | Sapling | 1 | 10 | | | |
| Bigtooth Aspen | | 25 | Sapling | 1 | | | | |
| Red Pine | | 10 | Log/Pole | 13 | | | | |
| 31 | 42220 - Natural Jack Pine | Sapling Well | 39.5 | 27 | Immature | N/A | "Sweet Fern Jack Pine", #049-91-01. Harvested in 1992. J3 - with aspen, maple and oak regeneration. Residual RP. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 80 | Sapling | 3 | 27 | | | |
| White Pine | | 10 | Log | 14 | | | | |
| Red Pine | | 10 | Log | 14 | | | | |
| 32 | 42220 - Natural Jack Pine | Sawtimber Medium | 21.2 | 68 | 51-80 | N/A | Short, limby open grown jack pine with aspen, red oak and red pine. Component of white pine. Lower quality jack pine. Lots of red oak seedlings 1-3 ft tall. Occasional WB. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Jack Pine | | 85 | Log/Pole | 12 | 68 | Red Maple | | Density |
| | | | | | | Variable | Avg. Height | |
| | | | | | | Sapling | Size | |
| 33 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 37.5 | 19 | Immature | N/A | "Whitefish Trail Junction", #039-91-01. Harvested in 1993. FTP 42-335. Machine planted in 2000. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 80 | Sapling | 2 | 19 | | | |
| Bigtooth Aspen | | 10 | Sapling | 2 | | | | |
| Red Oak | | 10 | Pole | 8 | | | | |
| 34 | 4131 - Aspen, Oak | Sapling Medium | 39.8 | 6 | Immature | N/A | Cut in 2012 as part of Hidden Hills Jack Pine #007-11. All red pine, birch and oak were left, as well as aspen > 12" dbh. Scarified in 2013 on FTP 42-778. Rolling topography in the southern end of the stand. Variable regeneration and variable residual. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Bigtooth Aspen | | 45 | Sapling | 1 | 6 | | | |
| Red Maple | | 8 | Sapling | 1 | | | | |
| Red Oak | | 25 | Sapling | 1 | | | | |
| Red Pine | | 10 | Log | 14 | | | | |
| Red Oak | | 10 | Log | 10 | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------|---------|------------|-------------|--------------|--|-----------|----------|--------------|----|----------------|----------------|---------|----------|----|----------|------------|-----|--------------|----|---|---|--------------------|--------------------|-------------|-------------|--|------------|--------------------|----------|-------------|---------|-----------|----------|----------|
| 35 | 6120 - Lowland Cedar | Poletimber Well | 6.8 | 88 | 111-140 | N/A | Low, wet stand of cedar with associated lowland conifers. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 42221 - Natural Jack Pine, Mixed Deciduous | Sapling Medium | 66.0 | 15 | Immature | N/A | Old Paradise Jack Pine, sale #42-015-01-1. Sale completed on 10-16-02. FTP 42-549 completed 9/2004. * Regeneration count completed 5/3/2007 = 522 t/ac. Mostly oak and aspen, and equal amounts of J,W, and RM. 10 BA JP snags, and willow present. Continue to monitor for successful regeneration of JP. Secondary walk-thru count completed 5/27/08; little additional JP regen noted. May need to supplement with planting, esp. if adjacent salvage sales require planting. Otherwise, check again with next inventory cycle to determine final status. 2009 - JP regeneration 2-3 ft tall. Sparse in spots, hard to see smaller seedlings with thick bracken fern cover. 2019: JP 10-20' tall. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 65 | Sapling | 1 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 15 | Pole/Sap/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 42220 - Natural Jack Pine | Sapling Well | 25.9 | 39 | Unspecified | N/A | Young, thick jack pine. Getting close to transitioning from a J3 to a J6. Cut under proposal #13-77 (?). Scarified in 1980 under FTP #C-178. Noted a scotch pine strip along M-123. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 100 | Sapling/Pole | 4 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 4123 - Red Oak | Sawtimber Well | 16.6 | 76 | 81-110 | N/A | Oak stand (mainly red oak) with aspen, jack pine and white pine. Scattered RP. Adjacent to M-123. Rolling topography. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 60 | Log/Pole | 10 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 20 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 60 | Log/Pole | 10 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 20 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 42290 - Natural Mixed Pine | Sawtimber Well | 7.5 | 76 | 81-110 | N/A | Mixed pine stand. RP, JP, & WP with oak. Steep ridge along west and south sides. JP dying. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 55 | Log/Pole | 10 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 42120 - Planted Jack Pine | Sapling Well | 38.3 | 19 | Immature | N/A | Cut in 1993, #038-91. Machine planted in 2000, FTP 42-323. Young jack pine. Also oak and aspen regeneration. Semi open in areas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 95 | Sapling | 3 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 4199 - Other Mixed Upland Deciduous | Sapling Medium | 8.5 | 6 | Immature | N/A | Cut in 2012 as part of Hidden Hills Jack Pine #007-11. Scarified in 2013 on FTP 42-778. All aspen, oak and maple were left. 2019: Hilly. One small area of JP regen on north end. The rest of the area has oak, red maple, white birch and aspen regen with residual oak/aspen. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Oak</td> <td>55</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>13</td> <td>Log</td> <td>11</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Oak | 55 | Sapling | 1 | 6 | Red Maple | 10 | Sapling | 1 | | Red Oak | 13 | Log | 11 | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 55 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 13 | Log | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 55 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 13 | Log | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 42220 - Natural Jack Pine | Poletimber Well | 33.4 | 48 | Unspecified | N/A | Stand was harvested in 1971. Stand is jack pine pole size, thick stand. Includes narrow strip of J6 along the highway. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>98</td> <td>Pole/Sapling</td> <td>6</td> <td>48</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 98 | Pole/Sapling | 6 | 48 | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 98 | Pole/Sapling | 6 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|---------------------------|---------------------------|-----------------|--------------------|-------------|-------------|--------------------------|---|
| 43 | 42220 - Natural Jack Pine | Sapling Well | 85.3 | 30 | Immature | N/A | Harvested as "Paradise East", #007-87-01. Cut in December 1988. Scarified in 1989, FTP 42-101. Now a J3 with open areas. Not overly thick. Small openings on ridge tops and depressions. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Jack Pine | | 82 | Sapling | 4 | 30 | | |
| Bigtooth Aspen | | 8 | Sapling | 4 | | | |
| Red Pine | | 10 | Log | 12 | | | |
| 44 | 42220 - Natural Jack Pine | Poletimber Well | 79.4 | 44 | Unspecified | N/A | Harvested in 1974, #002-74A. 2009 - J4/J5/J3. Avg 40 BA merchantable with a lot of submerchantable J3. Young, thick jack pine. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Jack Pine | | 95 | Pole/Sapling | 6 | 44 | | |
| 45 | 320 - Upland Shrub | Nonstocked | 33.1 | 0 | Unspecified | 4212 - Planted Jack Pine | Cut in 2012 as part of Hidden Hills Jack Pine #007-11. Scarified in 2013 on FTP 42-778. All red pine, white pine, oak, and birch were left, as well as 4 retention pockets. A few JP sticking up thru the snow. Checked in snow-free conditions - very little regeneration found. Aspen is scattered. |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | |
| Jack Pine | | Trace | < 5 feet | Sapling | | | |
| Bigtooth Aspen | | Low | < 5 feet | Sapling | | | |
| Red Maple | | Low | < 5 feet | Sapling | | | |
| Red Pine | | Low | >20 feet | Log | | | |
| White Pine | | Low | >20 feet | Pole | | | |
| 46 | 42220 - Natural Jack Pine | Sapling Well | 93.5 | 30 | Immature | N/A | "Paradise West", #006-87-01. Cut in July 1989. Scarified in 1989, FTP 42-097. Some red pine residual and bog inclusions. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Jack Pine | | 90 | Sapling/Pole | 4 | 30 | | |
| Red Pine | | 10 | Log/Pole | 13 | | | |
| 47 | 320 - Upland Shrub | Nonstocked | 34.1 | 0 | Unspecified | 4212 - Planted Jack Pine | Cut in 2012 as part of Hidden Hills Jack Pine. All spruce, oak, maple and some red pine were left. Scarified in 2013 on FTP 42-778. 2019: Occasional JP sticking up thru snow. Checked in snow-free conditions - scattered pockets of JP regen (1-4' tall), mainly in road/skid trails. Some A/RM/Oak saplings 5-10' tall. Some bog inclusions. |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | |
| Red Maple | | Low | 5 - 10 feet | Sapling | | | |
| Red Pine | | Low | >20 feet | Log | | | |
| Jack Pine | | Low | < 5 feet | Seeding | | | |
| Bigtooth Aspen | | Low | 5 - 10 feet | Sapling | | | |
| Red Oak | | Low | 5 - 10 feet | Sapling | | | |
| 48 | 42220 - Natural Jack Pine | Sapling Well | 39.1 | 33 | Immature | N/A | Cut under sale # 028-84. Thick J3. Residual RP, mainly west of the road. Not quite pole size yet. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Jack Pine | | 95 | Sapling/Pole | 4 | 33 | | |
| 49 | 6120 - Lowland Cedar | Poletimber Well | 13.7 | 88 | 51-80 | N/A | Low, wet ground along river. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Northern White Cedar | | 70 | Pole | 6 | 88 | | |
| Black Spruce | | 25 | Pole | 6 | | | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | |
| Balsam Fir | | Low | Variable | Sapling | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|------------------|---------|------------|-------------|--------------|---|-------------|-----|----------|----|----|---|----|--------------------|---------|-------------|----------------|-------------|------|----------|---------|---|-------|--------------------|---------|-------------|------|------------|-----|----------|---------|--------------|-----|----------|---------|---------|-----|-------------|---------|
| 50 | 42290 - Natural Mixed Pine | Sawtimber Well | 18.9 | 85 | 81-110 | N/A | Very hilly. Mixed stand. JP, RP, Asp, some WB and WP. Eastern portion is more JP and clones of aspen. Western portion is more RP with JP. This stand is acting as a good buffer along the south branch of the Betsy River and also is acting as a north-south wildlife corridor. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>40</td> <td>Log/Pole</td> <td>10</td> <td>85</td> </tr> <tr> <td>Red Pine</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>18</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 40 | Log/Pole | 10 | 85 | Red Pine | 30 | Log/Pole | 10 | | Bigtooth Aspen | 18 | Pole | 8 | | <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>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | Variable | Sapling | Black Spruce | Low | Variable | Sapling | Red Oak | Low | 5 - 10 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 40 | Log/Pole | 10 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 30 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 18 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 42260 - Natural Pine, Mixed Deciduous | Sapling Well | 60.0 | 25 | Immature | N/A | Stand cut in 1994, "River Ridges Jack Pine", #010-91-01. FTP 42-366 for scarification, but no record of completing. Aspen has come back good in certain areas. 2009 - J3 - 6 ft tall with aspen and maple. Pockets of good aspen regen. Residual RP throughout. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 55 | Sapling | 3 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 30 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 10 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 42220 - Natural Jack Pine | Sapling Well | 26.8 | 26 | Immature | N/A | J3. Fairly thick. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>95</td> <td>Sapling</td> <td>3</td> <td>26</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 95 | Sapling | 3 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 95 | Sapling | 3 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 42130 - Planted Scotch Pine | Poletimber Well | 3.3 | 38 | 81-110 | N/A | Scotch pine plantation. Planted in 1981 under FTP 42-127. Planted stand along M-123. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scotch Pine | 99 | Pole | 7 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 42130 - Planted Scotch Pine | Poletimber Well | 1.4 | 38 | 81-110 | N/A | Scotch pine plantation. Planted in 1981, FTP 42-127. Planted stand along M-123. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scotch Pine | 100 | Pole | 7 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 42220 - Natural Jack Pine | Poletimber Well | 4.0 | 96 | 51-80 | N/A | Old mature jack pine that was left as a visual buffer when adjacent stands to the north were harvested. Stand is showing high amount of mortality (over 30% in areas). Component of aspen, red maple and a few oak. Stand 41 was part of this stand originally and was cut in 2012. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 42220 - Natural Jack Pine | Sapling Well | 1.0 | 15 | Immature | N/A | Old Paradise Jack Pine, sale #42-015-01-1. Sale completed on 10-16-2002. FTP 42-549 completed 9/2004 - this tiny stand may have been missed, though. * Regeneration count completed 5/2007; no JP fell in plot, but there is JP regen present. Heavy leatherleaf ground cover. 10 BA JP snags. 2009 - J2 with JP regeneration 3-4 ft tall. Lots of residual snags. 2019 - JP 10-20' tall. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 100 | Sapling | 1 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 6225 - Bog | Nonstocked | 1.1 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 4123 - Red Oak | Sawtimber Medium | 5.3 | 76 | 81-110 | N/A | Oak stand (mainly red oak) with aspen, jack pine and white pine. Scattered RP. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Red Oak</td> <td>95</td> <td>Log/Pole</td> <td>12</td> <td>76</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Oak | 95 | Log/Pole | 12 | 76 | <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>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | Variable | Sapling | Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 95 | Log/Pole | 12 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | |
|--------------------|---------------------------------------|-------------------|---------|-----------|-------------|--------------------------|---|--------------------|---------|-------------|---------|-----|
| 59 | 320 - Upland Shrub | Nonstocked | 19.3 | 0 | Unspecified | 4212 - Planted Jack Pine | Cut in 2012 as part of Hidden Hills Jack Pine #007-11. All spruce, oak and maple left. Scarified in 2013 on FTP 42-778. 2019: Occasional saps. Northern point and western point has most residual. Occasional JP sticking up thru snow. Checked in snow-free conditions - scattered pockets of JP regen <5' tall; RM/A ~5-10' tall and scattered. Some bog inclusions. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Red Pine | Medium | >20 feet | Log | |
| | | | | | | | | Red Maple | Low | 5 - 10 feet | Sapling | |
| | | | | | | | | Jack Pine | Trace | < 5 feet | Seeding | |
| Bigtooth Aspen | Low | 5 - 10 feet | Sapling | | | | | | | | | |
| 60 | 42290 - Natural Mixed Pine | Sawtimber Well | 8.6 | 85 | 81-110 | N/A | Strip between road (M-123) and river. Mixed stand. JP, RP, Asp, some WB and WP. JP dying. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Jack Pine | 30 | Log/Pole | 10 | |
| | | | | | | | | Red Pine | 45 | Log | 12 | 85 |
| | | | | | | | | White Pine | 10 | Log | 12 | |
| Bigtooth Aspen | 13 | Log | 12 | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | |
| Paper Birch | Low | >20 feet | Sapling | | | | | | | | | |
| 61 | 122 - Road/Parking Lot | Nonstocked | 6.3 | 0 | Unspecified | No | M-123 | | | | | |
| 62 | 310 - Herbaceous Openland | Nonstocked | 1.8 | 0 | Unspecified | No | | | | | | |
| 63 | 6122 - Black Spruce | Poletimber Well | 12.8 | 75 | 51-80 | N/A | Lowland spruce pocket along the South Branch Betsy River. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Black Spruce | 70 | Pole | 8 | 75 |
| | | | | | | | | White Pine | 20 | Log/Pole | 12 | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| Black Spruce | Low | Variable | Sapling | | | | | | | | | |
| 64 | 6120 - Lowland Cedar | Poletimber Well | 1.5 | 90 | 81-110 | N/A | Low, wet stand along river. | | | | | |
| 65 | 6120 - Lowland Cedar | Poletimber Well | 2.5 | 90 | 111-140 | N/A | Low, wet stand along river. | | | | | |
| 66 | 6225 - Bog | Nonstocked | 3.6 | 0 | Unspecified | No | | | | | | |
| 67 | 6225 - Bog | Nonstocked | 1.2 | 0 | Unspecified | No | | | | | | |
| 68 | 6225 - Bog | Nonstocked | 1.0 | 0 | Unspecified | No | | | | | | |
| 69 | 6119 - Mixed Lowland Deciduous Forest | Poletimber Medium | 36.6 | 75 | 51-80 | N/A | 2009 - White birch, balsam and red maple corridor along the South Branch Betsy River. | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|----------------|---------|-----------|----------|--------------|--|--------------------|---------|-------------|------|-----------|----------------|----------|---------|---|----|-----------|----|---------|----|--|---------------|----|---------|---|--|
| 70 | 42220 - Natural Jack Pine | Sapling Medium | 3.0 | 10 | Immature | N/A | Jack pine was salvaged as part of Paradise Salvage #3, cut in 2007. Most of sale in C-68. | | | | | | | | | | | | | | | | | | | | |
| <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>70</td> <td>Sapling</td> <td>1</td> <td>10</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table> | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 70 | Sapling | 1 | 10 | Red Pine | 15 | Log | 14 | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 70 | Sapling | 1 | 10 | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 4139 - Aspen, Mixed Deciduous | Sapling Poor | 35.2 | 2 | Immature | N/A | 8/22/2018 - Stand is over topped with aspen, rm, oak, saplings. Planted jack pine is present and looks good and should be ok despite the competition. Regeneration 3 yr check next. 10/1/2019. | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 40 | Sapling | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | High | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>06/12/18- Plantation TPA is 420, Residual Basal Area ranges from 10 to 30.</p> <p>Stand harvested via final harvest (all JP cut and aspen < 12" dbh) as sale #008-11-01, Shoulda Drove Jack Pine. Complete 09/06/2013. Scarification yet to be completed as of 09/09/2013. Regeneration check needed per work instructions. Failed regen check. Trenched area where feasible in 2016. Planted to JP in trenches on 5/5/2017. FTP 42-777. Two lobes (eastern lobes) were pretty much fully trenched. The rest of the stand has trenches intermixed through the hills. Regen check needed on whole stand. May delineate out as separate stands during re-inventory.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 4139 - Aspen, Mixed Deciduous | Sapling Poor | 36.0 | 2 | Immature | N/A | 8/22/2018 - Stand is over topped with aspen, rm, oak, saplings. Planted jack pine is present and looks good and should be ok despite the competition. Regeneration 3 yr check next. 10/1/2019. | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 40 | Sapling | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
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| 73 | 4133 - Aspen, Mixed Pine | Sapling Medium | 19.3 | 6 | 1-50 | N/A | Cut in 2012 as part of Hidden Hills Jack Pine #007-11. Scarified in 2013 on FTP 42-778. All red pine, white pine, oak, and birch were left, as well as 4 retention pockets. A few JP sticking up thru the snow. Checked in snow-free conditions - this portion was split off of stand 45 due to advanced regeneration of aspen, maple, oak with some jack pine. JP is 3-6' tall; A/RM is 5-20' tall. | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 55 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | |