



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42127

Entry Year 2024

Acreage: 1,645

County Luce

Management Area: County Line Hardwoods

Stand Examiner: Jennifer Burnham

Legal Description:

T45N R9W, Sections 34-36

Identified Planning Goals:

Maintain forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

Soil and topography:

Kalkaska, Paquin, Wallace, and Crosswell sands are the main soil types; with Amadon Longrie sandy loam in a lesser amount; and Dawson, Greenwood, and Loxley soils; and Carbondale, Lupton and Tawas soils in wetter areas. Topography ranges from wet, lowland to rolling upland, generally 0-6% slopes, with some areas of 6-15% and 15-35%.

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

The compartment is continuous State ownership with some private property in section 36. There are a few cabins on the private land in section 36. Surrounding the compartment is mainly State Forest land, with some private parcels nearby and a large hunt club adjacent to the southwest.

Unique Natural Features:

MNFI element occurrences include Goblin moonwort (observed in 1952), and red shouldered hawk (2005).

Archeological, Historical, and Cultural Features:

Currently under review.

Special Management Designations or Considerations:

There is a SCA deer wintering area within the compartment.

Watershed and Fisheries Considerations:

This compartment contains a section of Third Creek, a designated trout stream. A 300-foot riparian management zone along the creek should be maintained for any stand proposed for clear-cut treatments considering the amount of aspen in this compartment. There are also some wet areas/ponds in the southwestern portion of the compartment. These provide value to amphibians and reptiles and should be buffered according to the standards set in the BMP Manual.

Wildlife Habitat Considerations:

Compartment 127 lies in southern Luce county and is in the St. Ignace ecological sub-subsection and in the County Line Hardwoods Management Area where white-tailed deer, black bear, snowshoe hare, ruffed grouse, red shouldered hawk and northern goshawk are designated featured species. Northern portions of the compartment are within the Hulbert-Sage River Deer Wintering Complex which supports high numbers of deer during stressful winter periods. Aspen and northern hardwoods dominate the compartment with a scattering of spruce, red pine, mixed conifer, lowland conifer and grass openings. Within stand species diversity is generally high in the compartment.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Some large aspen will be retained in stands for future softwood snags. Large oak and apple may be planted in openings to replace beech mast that is being lost to disease. White-tailed deer, black bear, fisher, marten, bobcat, coyotes, gray wolves, ruffed grouse, woodcock, and snowshoe hare are expected to use this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 34-36, T45N-R9W, Luce County. No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. Hendrick's Quarry, a source of very pure, high-calcium limestone is just to the southeast and has been operated by Graymont since they acquired it from the State a few years ago. There is excellent potential for the same bedrock resource within the compartment. It is possible the Hendrick's Quarry could expand into the compartment, but it would not likely be in the near future. No current State mineral leasing activity exists in the area.

Vehicle Access:

The east half of the compartment has good vehicle access is present via two-tracks off of the Borgstrom Road. The west part of the compartment may be accessed by two-track (snowmobile trail) from the south or west. At this time, there is no good crossing within the compartment over Third Creek, which runs north/south in the middle of the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

The Nelson Lake Snowmobile trail and the Newberry-Naubinway ORV Trail run through the compartment. Other recreational opportunities within the compartment include hunting, fishing, dispersed camping, and wildlife viewing

Fire Protection:

Large fires in this compartment are not likely because of the hardwood and mixed conifer/hardwood lowland types. Access with heavy wheeled suppression vehicles is limited and could challenge suppression tactics.

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

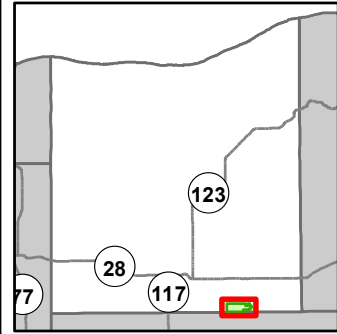
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

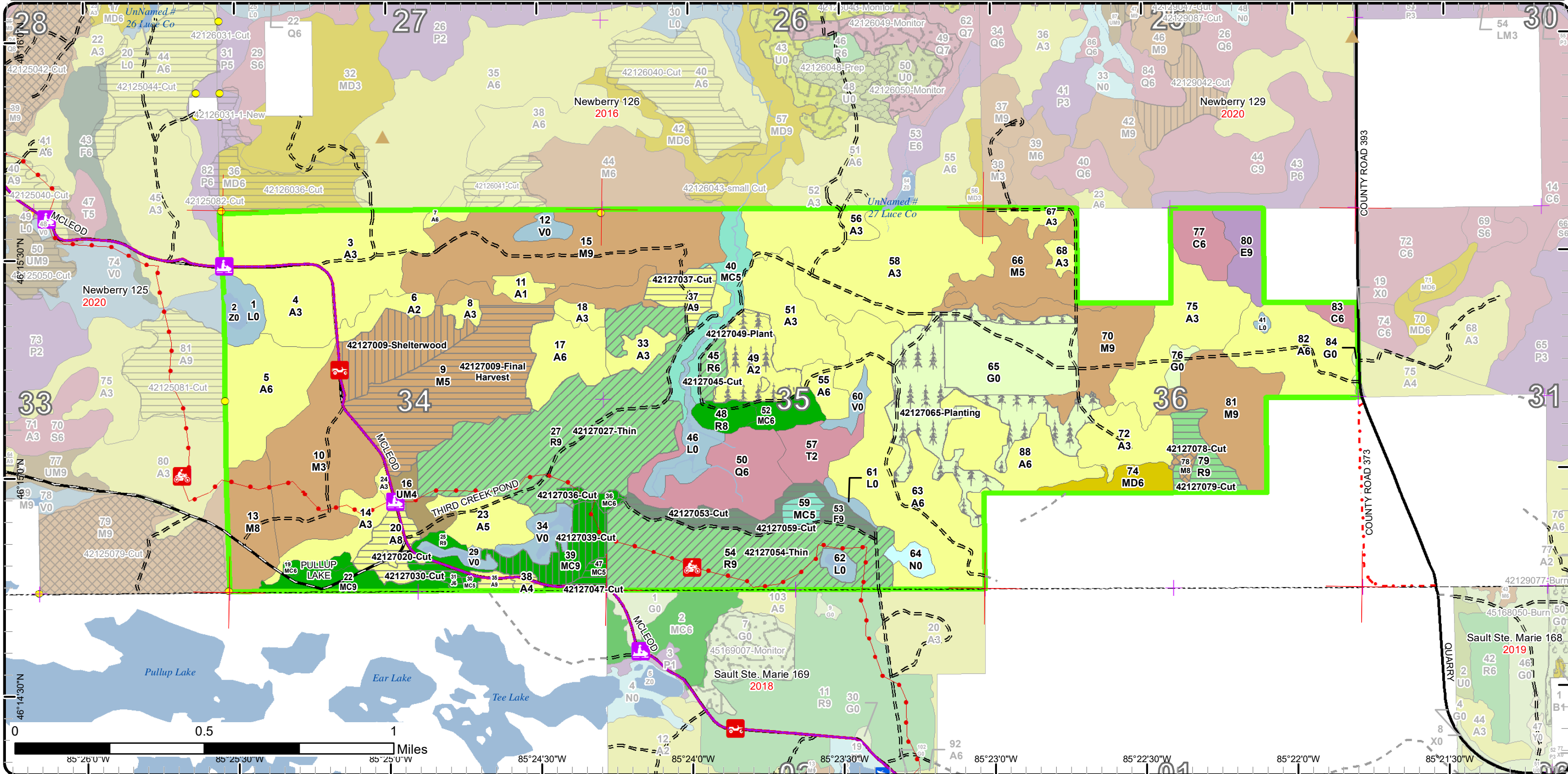
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 127
 T45N, R09W, Sec. 34-36
 County: Luce
 Unit: Newberry
 Mgmt Area: County Line
 Hardwoods
 YOE: 2024
 Acres: 1644.6 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 1/6/2023
 Map Phase: Post-Review

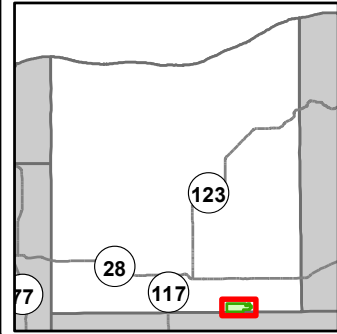


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- 🏍 Motorcycle Trails (DNR License)
- 🚲 ORV Routes
- 🚲 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Planting (Tree Species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

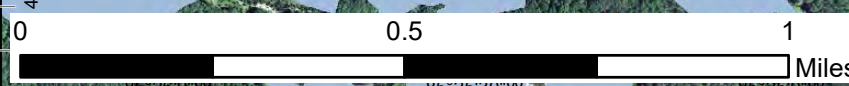
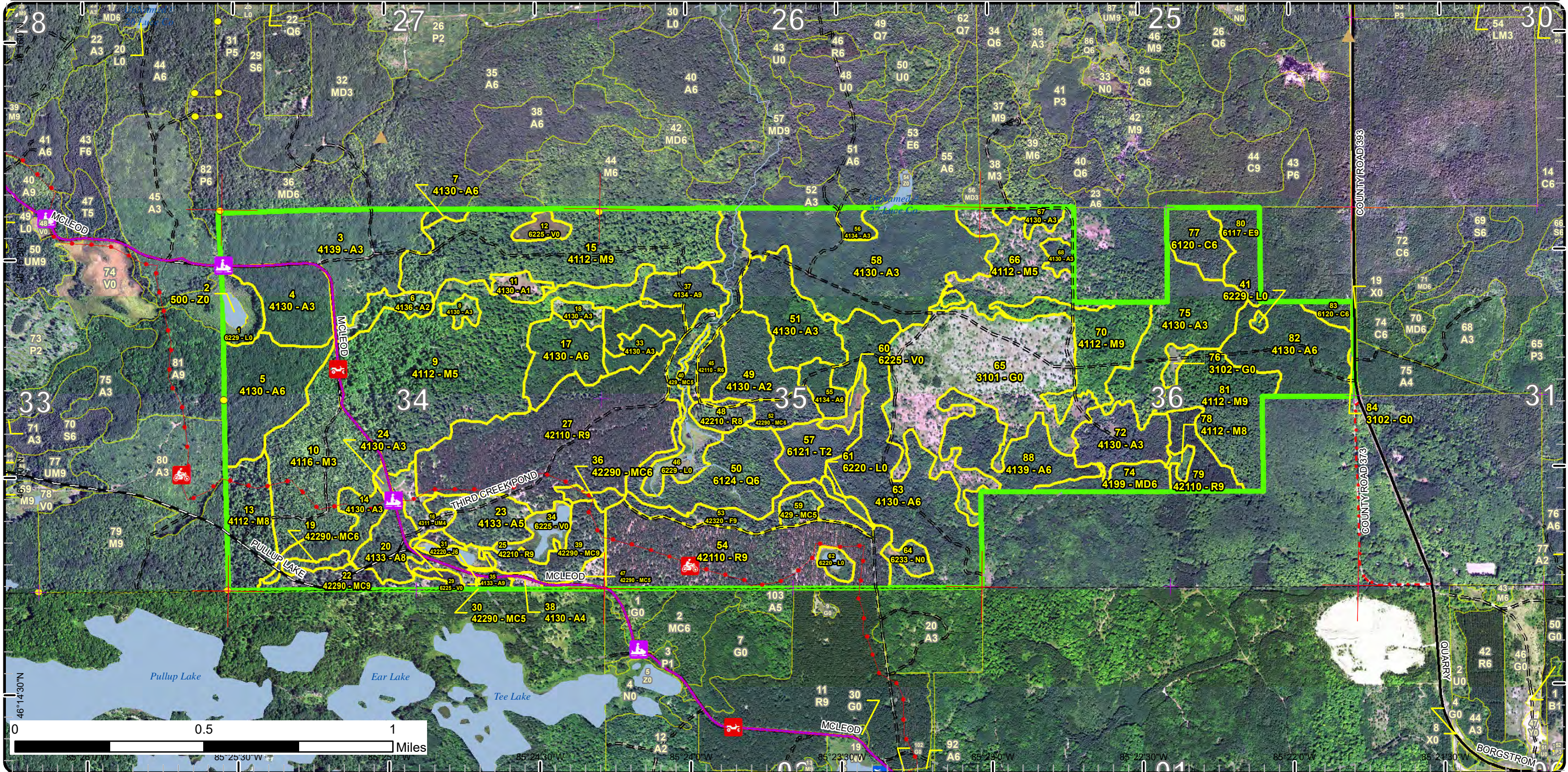


Stand Boundary Map

Compartment: 127
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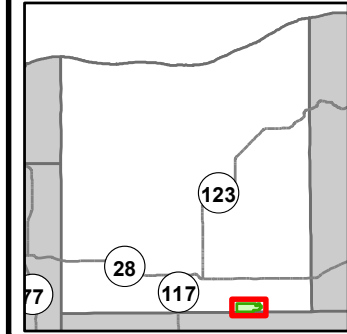


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- Compartment Boundary
- Stand Boundaries
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- 422 - Natural Pines

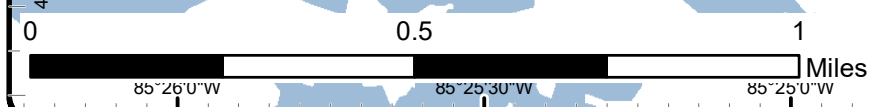
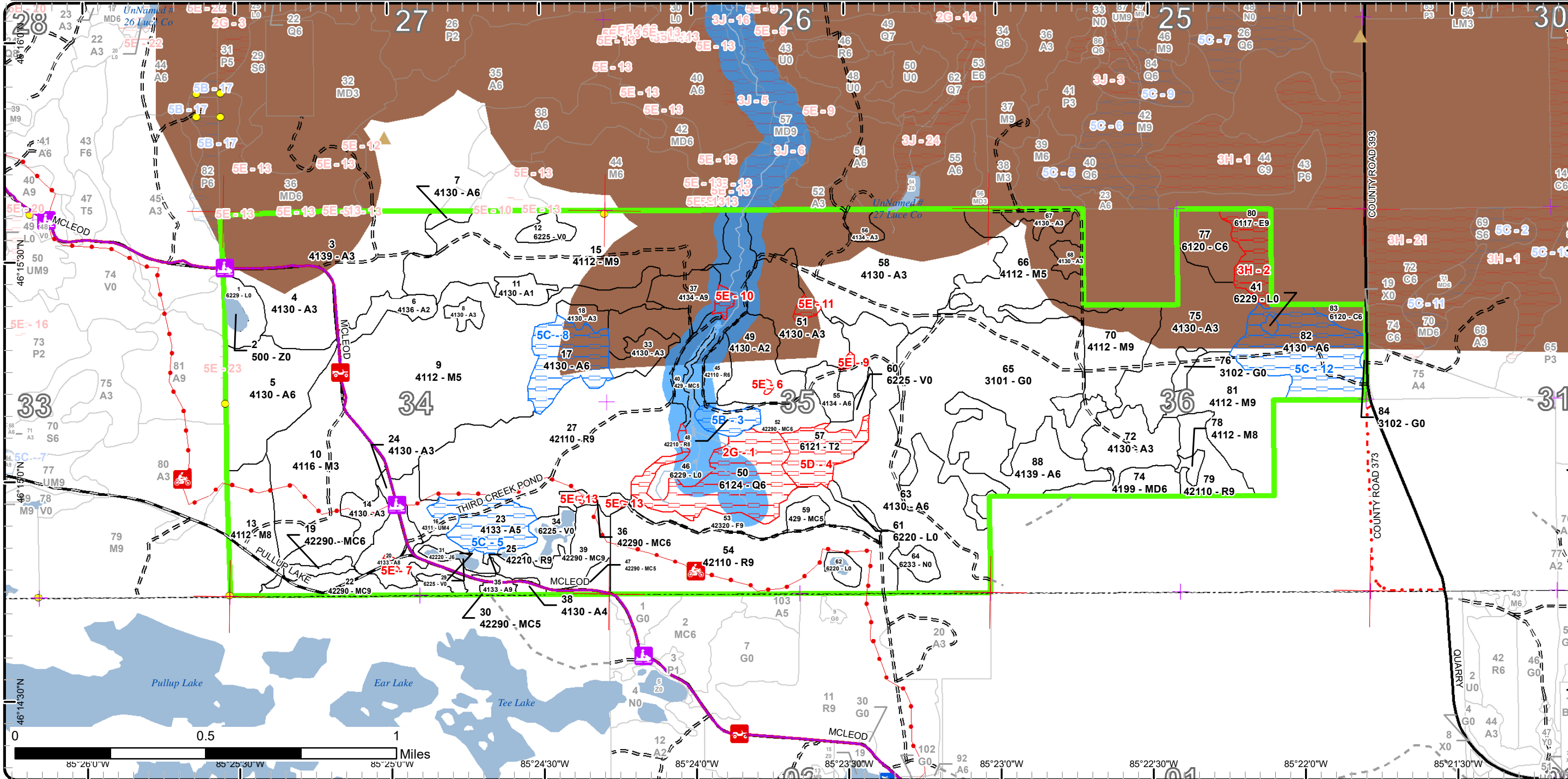


Special Conservation Areas

Compartment: 127
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- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- 2G: Too wet (sensitive soils, does not include access issues)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 127 Year of Entry 2024

Jennifer Burnham : 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	85	213	31	78	175	41	0	15	0	0	0	0	0	0	0	0	0	637
Bog	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Cedar	0	0	0	0	0	0	0	0	0	0	4	15	0	0	0	0	0	0	19
Herbaceous Openland	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107
Jack Pine	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	38
Lowland Deciduous	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Lowland Shrub	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Natural Mixed Pines	0	0	0	0	0	3	12	0	13	0	18	0	0	0	0	0	0	10	55
Northern Hardwood	0	0	59	0	0	0	0	0	0	2	306	0	0	0	0	0	0	38	404
Red Pine	0	0	0	0	0	0	6	14	201	0	0	6	0	0	0	0	0	0	226
Tamarack	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	16
Upland Conifers	0	0	0	0	0	0	22	5	0	0	0	0	0	0	0	0	0	0	27
Upland Mixed Forest	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	17
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	167	85	272	31	100	178	81	19	246	70	328	21	0	0	0	0	0	48	1642



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 127

Total Compartment Acres: 1,645

Commercial Harvest - 406
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	31	0	0	0	0	0	0	0	0	31
Jack Pine	2	0	0	0	0	0	0	0	0	2
Natural Mixed Pines	8	0	0	0	22	0	0	0	0	30
Northern Hardwood	73	2	0	0	30	0	0	0	0	105
Red Pine	14	0	0	0	0	202	0	0	0	216
Upland Conifers	5	0	0	0	0	0	0	0	0	5
Upland Spruce/Fir	17	0	0	0	0	0	0	0	0	17
Total	151	2	0	0	52	202	0	0	0	406

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	406	0	83	0	0	0	0	0	0	489
Next Step	0	335	346	6	0	370	560	0	0	1616
Total	406	335	429	6	0	370	560	0	0	2105



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

9	42127009-Final Harvest	73.0	4112 - Maple, Beech, Cherry Association	Poletimber Medium	91	1-50	Harvest	Clearcut	4221 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest with no retention. Retention will be the remainder of the stand that is not being treated. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Pesticide, Aerial - Release; Planting, Replant; Monitoring, Natural Regen (Intermediate); SitePrep, <u>Acceptable Regen:</u> Red pine will be the short term MO with a conversion to a hardwood stand. Conversion will be used to reduce/remove beech brush in the understory and bring back the hardwood to the stand. <u>Other Comment:</u> Part of the stand is being treated to determine the success of converting the stand back to hardwoods without beech brush in the understory. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
9	42127009-Shelterwood	29.8	4112 - Maple, Beech, Cherry Association	Poletimber Medium	91	1-50	Harvest	Shelterwood	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Residual BA will be 40-50 but could vary due to the amount of BA in the area prior to marking. <u>Specs:</u> <u>Next Step</u> Pesticide, Aerial - Release; Pesticide, Skidder - Release; SitePrep, Roller Chopping; Planting, Initial Plant; Pesticide, Aerial - Site <u>Treatments:</u> Prep; Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Plantin <u>Acceptable Regen:</u> Hardwood with little beech regeneration. <u>Other Comment:</u> This smaller part of the stand is being used to determine if harvesting this way and not planting will deter beech regeneration after a harvest. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
20	42127020-Cut	14.0	4133 - Aspen, Mixed Pine	Sawtimber Medium	71	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves, leaving some white pine either incorporated into the red line, or scattered throughout the stand. Leave patch <u>Specs:</u> retention following the retention guidelines. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Aspen <u>Other Comment:</u> Percent to Treat = 100% <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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27	42127027- Thin	117.2	42110 - Planted Red Pine	Sawtimber Well	70	111- 140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to around 120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other In areas where advanced regeneration is present, keep BA higher to reduce the releasing of hardwood in the areas.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

30	42127030-Cut	3.3	42290 - Natural Mixed Pine	Poletimber Medium	46	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Final harvest. Do not harvest oak, if present.

Specs:

Next Step SitePrep, Scarification; Monitoring, Artificial Regen(1yr); Seeding, Machine Seed; Monitoring, Artificial Regen(3yr); Monitoring, Natural

Treatments: Regen (Intermediate)

Acceptable Jack pine. There will be white pine and aspen that will also fill in after the harvest.

Regen:

Other No retention due to small acreage.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

31	42127031-Cut	2.3	42220 - Natural Jack Pine	Poletimber Well	31	1-50	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Final harvest leaving any oak, if present.

Specs:

Next Step Monitoring, Natural Regen (Intermediate); Seeding, Machine Seed; SitePrep, Scarification; Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Jack pine. There will also be aspen and other pine that comes in from the harvest.

Regen:

Other No retention due to small acreage.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

35	42127035-Cut	2.9	4133 - Aspen, Mixed Pine	Sawtimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest leaving any oak that present. Leave some mature aspen in the red line.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and mixed pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

36	42127036-Cut	3.5	42290 - Natural Mixed Pine	Poletimber Well	58	81-110	Harvest	Shelterwood	429 - Mixed Upland Conifers	Two-Aged	No
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Prescription Remove all species except oak, if present. Mark the larger DBH red and white pine in heavy areas to a BA of 30-40, to promote regeneration.
Specs:

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

Acceptable Mixed pine, aspen, and spruce.
Regen:

Other Mark to protect trail.
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

37	42127037-Cut	11.8	4134 - Aspen, Spruce/Fir	Sawtimber Well	59	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Clearcut with reserves. Incorporate mature aspen and paper birch into the red line and into patch retention following guidelines. The buffer along Third Creek will be the retention area.
Specs:

Deeryard - Harvest stand after Oct. 1 to provide a food source for wintering deer. No chipping.
Buffer Third Creek 200 feet per fisheries.

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

Acceptable aspen
Regen:

Other Percent to Treat = 100%
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

38	42127038-Cut	2.0	4130 - Aspen	Poletimber Poor	31	1-50	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Final harvest except for oak, if present. Leave some mature aspen in the red line.
Specs:

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

Acceptable Pine, aspen, and hardwoods.
Regen:

Other Plant jack pine after harvesting.
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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
39 42127039-Cut	18.3	42290 - Natural Mixed Pine	Sawtimber Well	90	81-110	Harvest	Shelterwood	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Remove all species except for oak, if present. Mark red and white pine down to 30-40 BA, to promote regeneration. Mark some non pine species scattered through the stand.</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 Regen:</u> Pine, aspen, and other hardwood species.</p> <p><u>Other Comment:</u> Mark to protect tail. If there are non pine species along the trail, leave some for retention when protecting the trail. These species could also be marked in the red line.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
45 42127045-Cut	5.7	42110 - Planted Red Pine	Poletimber Well	56	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to around 120 basal area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
47 42127047-Cut	4.5	42290 - Natural Mixed Pine	Poletimber Medium	51	1-50	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Harvest the every thing except oak, if present. If there is mature aspen on the boundary, mark some for a component of the retention.</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 Regen:</u> Pine, aspen, and some hardwoods.</p> <p><u>Other Comment:</u> Plant jack pine in the more open areas after harvesting.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
49 42127049-Plant	22.7	4130 - Aspen	Sapling Medium	5	Immature	Planting	Initial Plant	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Hand plant red pine. FTP 42-863.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(3yr); Monitoring, Herbicide Use; Pesticide, Skidder - Release; Planting, Replant; Pesticide, Skidder - Site</p> <p><u>Treatments:</u> Prep; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration will be red pine, with a mix of species currently on site in the NE.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



Standard

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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53	42127053-Cut	17.4	42320 - Upland Spruce	Sawtimber Well	77	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Final harvest leaving any cedar or hemlock that may be in the stand.

Specs:

Next Step Monitoring, Natural Regen (Intermediate); Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Spruce, white pine, fir, red maple, and other species that are currently present.

Regen:

Other The very west end and an area on in the middle by stand 59 is a bit lower and could be used for retention areas.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

54	42127054-Thin	78.9	42110 - Planted Red Pine	Sawtimber Well	70	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin from above with DBH and down to 100-120 BA.

Specs:

Next Step
Treatments:

Acceptable This is not a regeneration harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

59	42127059-Cut	5.0	429 - Mixed Upland Conifers	Poletimber Medium	61	1-50	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Final harvest. No retention due to small acreage.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Pine, spruce, and hardwood species.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

65	42127065-Planting	60.1	3101 - Poverty Grass, Cladonia	Nonstocked		Unspecified	Planting	Initial Plant	310 - Herbaceous Openland		No
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Prescription Plant mast producing trees or shrubs (such as apple and oak) in suitable areas around this opening complex to enhance wildlife food resources on the landscape. Apple trees may be fenced for some time to assist in establishing them.

Specs:

Next Step Pesticide, Hand Application; Planting, Initial Plant
Treatments:

Acceptable This stand is intended to remain as a herbaceous opening, with scattered mast producing trees (such as apple or oak) and shrubs in suitable locations.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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
78 42127078-Cut	2.3	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	86	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to release advance regeneration. If possible find a couple areas to open up the canopy to allow new regeneration to become established.</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> Maple with some other hardwood species and potentially some conifer from adjacent stands.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
79 42127079-Cut	14.3	42110 - Planted Red Pine	Sawtimber Well	63	111-140	Harvest	Clearcut	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Final harvest with no retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(1yr); Planting, Replant; Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> The majority of the regeneration will be hardwood. There may be some softwood that also comes up and is also expectable.</p> <p><u>Regen:</u></p> <p><u>Other</u> No retention is desired to allow for next steps. Stand 74 has a pocket next to this stand that contains mature planted spruce from the original</p> <p><u>Comment:</u> stand 72.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment 489
Acreage Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 127
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions						
		With Condition			5B	5C	2G	3H	5D	5E	
636	550	80		6	Aspen		80			0	6
23	23	0		0	Bog						
19	19	0		0	Cedar						
107	107	0		0	Herbaceous Openland						
2	2	0		0	Jack Pine						
38	0	0		38	Lowland Conifers			38		0	
14	0	0		14	Lowland Deciduous				14		
30	30	0		0	Lowland Shrub	0					
5	5	0		0	Marsh						
12	12	0		0	Mixed Upland Deciduous						
57	56	0		0	Natural Mixed Pines	0					0
405	405	0		0	Northern Hardwood						
227	221	6		0	Red Pine	6					
16	0	0		16	Tamarack					16	
26	26	0		0	Upland Conifers	0					
8	8	0		0	Upland Mixed Forest						
17	17	0		0	Upland Spruce/Fir						
2	2	0		0	Water						
1,645	1,484	86		74	Total Forested Acres	6	80	38	14	16	6
	90%	5%		5%	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	2G: Too wet (sensitive soils, does not include access issues)	38	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 127
Year of Entry: 2024

2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand was shelterwood harvested last entry.							
4	Unavailable	5D: Unproductive Forest Land	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treed bog.							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: BA is low and diameter will increase. Stand is old opening slowing filling in over time.							
6	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 127
Year of Entry: 2024

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	6229 - Mixed lowland shrub	Nonstocked	8.5			No																																																					
2	500 - Water	Nonstocked	2.2			No																																																					
3	4139 - Aspen, Mixed Deciduous	Sapling Well	62.7	17	1-50	N/A	Looks good. Trees are around 35 ft tall. Part of the stand is within a DWC. (2012) CC w reserves completed in 2006. Paper birch, white pine and hemlock were left as residuals scattered throughout, with a concentration of residual white pine in the southeast.																																																				
<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>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>2</td><td>17</td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Sapling</td><td>2</td><td>17</td></tr> <tr><td>White Pine</td><td>11</td><td>Log/Pole</td><td>12</td><td>96</td></tr> <tr><td>Red Oak</td><td>2</td><td>Log</td><td>12</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>3</td><td>17</td></tr> <tr><td>Black Cherry</td><td>15</td><td>Sapling</td><td>2</td><td>17</td></tr> <tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>2</td><td>17</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole	8		Quaking Aspen	40	Sapling	2	17	Balsam Fir	2	Sapling	2	17	White Pine	11	Log/Pole	12	96	Red Oak	2	Log	12		Bigtooth Aspen	10	Sapling	3	17	Black Cherry	15	Sapling	2	17	Red Maple	15	Sapling	2	17	<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>Blackberry/Raspberry</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Blackberry/Raspberry	Medium	Variable	Tall Shrub			
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4	4130 - Aspen	Sapling Well	26.9	27	1-50	N/A	Dense aspen mix. Starting to get some merchants stems within the stand.																																																				
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5	4130 - Aspen	Poletimber Well	39.4	38	1-50	N/A	(2012) Nice aspen mix. BA is low as all trees are not yet merchantable. Old sale road through stand is no longer drivable.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	4136 - Aspen, Mixed Conifer	Sapling Medium	9.2	16	1-50	N/A	Filling in with trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	5	Sapling/Pole	4	
Jack Pine	5	Pole	6	
Beech	5	Sapling	2	
Sugar Maple	10	Sapling	2	
Balsam Fir	5	Sapling	2	
Red Pine	5	Sapling	2	
Bigtooth Aspen	60	Sapling	2	16
White Pine	5	Sapling	2	

7	4130 - Aspen	Poletimber Well	2.3	50	81-110	N/A	Slight elevation change from adjacent stand. Tree quality is okay with many stems not merchantable. Wait another 10 years to treat.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Quaking Aspen	65	Pole/Sapling	7	50
Balsam Fir	5	Pole/Sapling	5	
Black Cherry	5	Sapling/Pole	3	
White Spruce	10	Sapling/Pole	3	
Paper Birch	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Low	10 - 20 feet	Sapling

8	4130 - Aspen	Sapling Well	3.5	31	1-50	N/A	Old opening that has filled in with trees. Low end of canopy closure.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole/Sapling	5	
Beech	5	Sapling	3	
Quaking Aspen	50	Pole/Sapling	5	31
Red Maple	10	Pole/Sapling	5	
Bigtooth Aspen	20	Pole/Sapling	5	
Pin Cherry	5	Sapling	3	
White Pine	5	Pole/Sapling	6	

9	4112 - Maple, Beech, Cherry Association	Poletimber Medium	118.8	91	1-50	N/A	This stand was part of the regeneration tour. There was discussion of treatment in part of this stand to minimize beech brush. 1/22/21 - JAT - Stand had an RX for spraying to control/eliminate beech brush. Treatment was terminated per discussion with UM. Desirable regen of other species is present. Current equipment and operation limitations prevent conducting a treatment.. Beech trees throughout are dying. Salvage now while still available. Current total BA ranges from 70 - 110; beech BA from 0 - 50. Beech salvaged - Beech Swim Salvage (#013-13); closed 8/10/14. Supposed to leave 1-3 beech per acre and 1 14" dbh or greater aspen per acre where present. Residual BA averages 40.
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Canopy Species	% Cover	Size Class	DBH	Age
Beech	1	Pole/Log	10	
White Pine	2	Log	14	
Paper Birch	2	Pole	8	
Black Cherry	2	Pole/Log	10	
Sugar Maple	35	Log/Pole	12	91
Red Maple	58	Log/Pole	10	91

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
Beech	Full	5 - 10 feet	Sapling
Balsam Fir	High	Variable	Sapling
Sugar Maple	High	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	4116 - Mixed N. Hardwood - Aspen	Sapling Well	58.5	16	1-50	N/A	Cut in 2007. Dense regen with scattered residual trees (maple, cherry, beech, hemlock). Regen counts in 2011: 3180 total t/ac (BC 1300, A 560, HM 560, RM 390, AB 340). Newberry-Rexton Motorcycle Trail through stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		12	Sapling	2	16	Blackberry/Raspberry		
Beech		10	Sapling	2	16	Medium		
Balsam Fir		2	Sapling	1		Variable		
Hemlock		2	Log	10	91	Tall Shrub		
Sugar Maple		2	Log	10	91			
Black Cherry		30	Sapling	2	16			
Quaking Aspen		20	Sapling	2	16			
Sugar Maple		20	Sapling	2	16			
Black Cherry		2	Log	10	91			

11	4130 - Aspen	Sapling Poor	5.7	31	1-50	N/A	Stand slowly filling in from adjacent stands.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		90	Pole/Sapling	5	31		
Pin Cherry		5	Sapling	3			
Balsam Fir		5	Sapling	4			

12	6225 - Bog	Nonstocked	4.9			No	
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13	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	25.9	91	1-50	N/A	1/22/21 - JAT - Stand had an RX for spraying to control/eliminate beech brush. Treatment was terminated per discussion with UM. Desirable regen of other species is present. Current equipment and operation limitations prevent conducting a treatment. Select harvest in 2011. Dense regen (2011 regen count = 1380 total t/ac). Beech dying from BBD. Newberry-Rexton motorcycle trail through stand. Beech and aspen removed - Beech Swim Salvage (#013-13); closed 8/10/14. Supposed to leave 1-3 beech per acre and 1 14" dbh or greater aspen per acre where present. Average residual BA = 40.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		50	Log/Pole	12	91	Beech		
Red Maple		44	Log/Pole	10		Black Cherry		
Beech		1	Log/Pole	12		Red Maple		
Black Cherry		5	Pole/Log	10		Aspen (spp.)		
						Sugar Maple		
						Full		
						5 - 10 feet		
						Sapling		

14	4130 - Aspen	Sapling Well	14.4	37	1-50	N/A	Scattered residual white pine, red pine, jack pine and oak. Newberry-Rexton motorcycle trail through stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		60	Sapling/Pole	3	37		
Bigtooth Aspen		15	Sapling/Pole	3	37		
White Pine		5	Log/Pole	12			
Red Maple		5	Pole/Sapling	5	37		
Paper Birch		5	Pole/Sapling	5	37		
Red Oak		5	Log/Pole	10			
Red Pine		5	Log/Pole	10			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15 4112 - Maple, Beech, Cherry Association Sawtimber Well 88.2 91 81-110 N/A Lots of good regeneration. BA ranges from 60 - 100. Regeneration hole's have filled in with trees 5-20 feet tall. Thinned in 2008. Regen count in 2011 = 2,740 t/ac.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	28	Log/Pole/XLog	14		Black Cherry	Low	5 - 10 feet	Sapling
Sugar Maple	60	Log/Pole/XLog	14	91	Striped Maple	Low	10 - 20 feet	Sapling
Black Cherry	5	Log/Pole	12		Sugar Maple	Full	Variable	Sapling
White Pine	2	Log/Pole/XLog	14		Yellow Birch	Low	10 - 20 feet	Sapling
Beech	5	Pole/Log	8		Red Maple	High	10 - 20 feet	Sapling
					Quaking Aspen	Low	Variable	Sapling
					Beech	Medium	Variable	Sapling

16 4311 - Pine, Aspen Mix Poletimber Poor 8.4 31 1-50 N/A Filling in with trees.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	25	Pole/Sapling	6	
White Pine	5	Pole/Sapling	7	
Red Pine	15	Pole/Sapling	6	
Quaking Aspen	50	Pole/Sapling	6	31
Red Maple	5	Pole/Sapling	5	

17 4130 - Aspen Poletimber Well 22.5 50 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	2	Pole	8	
Red Maple	10	Pole	9	
Beech	10	Pole	9	
White Pine	8	Log/Pole	10	60
Quaking Aspen	68	Pole	7	50
Red Pine	2	Log/Pole	10	

18 4130 - Aspen Sapling Well 4.5 31 Immature N/A Stand filling in from surrounding stands.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Pole/Sapling	6	
Sugar Maple	5	Pole/Sapling	5	
Pin Cherry	5	Sapling	3	
Bigtooth Aspen	20	Pole/Sapling	5	
Beech	5	Sapling	3	
Quaking Aspen	50	Pole/Sapling	5	31
Red Maple	10	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19	42290 - Natural Mixed Pine	Poletimber Well	3.5	51	1-50	N/A	Mix of pine with some oak and aspen and maple.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	6	
Beech	5	Sapling	3	
Quaking Aspen	5	Pole/Sapling	6	
Jack Pine	15	Pole/Sapling	6	
White Pine	48	Pole/Sap/Log	8	51
Red Pine	15	Pole/Log/Sap	8	
Red Oak	2	Log	10	

20	4133 - Aspen, Mixed Pine	Sawtimber Medium	14.9	71	81-110	N/A	Stand is currently under contract.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	55	Log/Pole	10	71
White Pine	15	Log/Pole	10	
Red Pine	5	Log/Pole	12	
Red Maple	2	Pole/Sapling	6	
Jack Pine	8	Pole/Sapling	8	
Quaking Aspen	15	Pole/Sapling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	< 5 feet	Seeding
Quaking Aspen	Medium	Variable	Sapling
White Pine	High	Variable	Sapling
Red Maple	Low	< 5 feet	Sapling

(2014) The stand is enlarging by filling in surrounding openings, and there are areas of small trees included. There are a range of ages grading to young at the outside edges. The young quaking aspen clones have a lower SI than the core area of larger big tooth aspen.

22	42290 - Natural Mixed Pine	Sawtimber Well	13.1	77	81-110	N/A	Variable densities.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Log/Pole	10	
White Pine	20	Log	14	
Red Pine	57	Log	14	77
Jack Pine	11	Pole	8	
Black Cherry	2	Pole	6	
Quaking Aspen	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

23	4133 - Aspen, Mixed Pine	Poletimber Medium	18.2	49	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	10	Pole/Sapling	7	
Jack Pine	5	Pole/Sapling	5	
Red Pine	10	Log/Pole	10	
White Pine	20	Log/Pole	10	
Quaking Aspen	50	Pole/Sapling	7	49
Red Maple	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	Variable	Sapling
Jack Pine	Low	Variable	Sapling
Red Oak	Low	Variable	Seeding
White Pine	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
24	4130 - Aspen	Sapling Well	1.7	10	1-50	N/A	Stand was harvested around 2013.																																																						
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Canopy Species	% Cover	Size Class	DBH	Age																																																									
Paper Birch	5	Sapling	1																																																										
Quaking Aspen	60	Sapling	2	10																																																									
Black Cherry	5	Sapling	1																																																										
Bigtooth Aspen	30	Sapling	2																																																										
25	42210 - Natural Red Pine	Sawtimber Well	4.4	76	81-110	N/A	Narrow stand surrounding low, wet area.																																																						
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Red Pine	60	Log/Pole	10	76																																																									
Quaking Aspen	5	Pole/Sapling	8																																																										
27	42110 - Planted Red Pine	Sawtimber Well	117.2	70	111-140	N/A	Planted in 1953 & 1962. Thinned in 2008. Newberry-Rexton motorcycle trail through south part of stand.																																																						
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
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Red Pine	95	Log/Pole/XLog	12	70	Quaking Aspen	Low	Variable	Sapling																																																					
29	6225 - Bog	Nonstocked	4.3			No	Wetland with fluctuating water table.																																																						
30	42290 - Natural Mixed Pine	Poletimber Medium	3.3	46	1-50	N/A	Trees filling in from surrounding stands.																																																						
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31	42220 - Natural Jack Pine	Poletimber Well	2.3	31	1-50	N/A	Tree canopies are not healthy looking.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
33	4130 - Aspen	Sapling Well	7.8	15	1-50	N/A	Stand falls in the DWC. Harvested in 2008. Fully regenerated.																																								
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34	6225 - Bog	Nonstocked	9.9			No	Wetland area with fluctuating water table.																																								
35	4133 - Aspen, Mixed Pine	Sawtimber Well	2.9	54	81-110	N/A	Private to south; old posts and signs.																																								
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36	42290 - Natural Mixed Pine	Poletimber Well	3.9	58	81-110	N/A	Some areas of low ground within the stand. East side is spruce with mixed pine.																																								
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37	4134 - Aspen, Spruce/Fir	Sawtimber Well	13.7	59	81-110	N/A	Stand is currently under contract. 2018- Part of stump nester aspen sale, turned in and will be re prepped and re sold.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
38	4130 - Aspen	Poletimber Poor	2.0	31	1-50	N/A	Filling in with trees.																																																						
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39	42290 - Natural Mixed Pine	Sawtimber Well	18.3	90	81-110	N/A	Jack pine and white birch have mostly died out of the stand. Harvested in 2008. Newberry-Rexton motorcycle trail through stand.																																																						
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Paper Birch	5	Pole	9																																																										
40	429 - Mixed Upland Conifers	Poletimber Medium	21.5	57	1-50	N/A	Narrow upland stand between red pine and creek. Variety of tree species and sizes.																																																						
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41	6229 - Mixed lowland shrub	Nonstocked	1.0	0		No	Pocket of very wet ground.																																																						
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45	42110 - Planted Red Pine	Poletimber Well	5.9	56	141-170	N/A	BA is around 170-190 in many areas. Trees are growing into log size, with 1/2 the BA is still within the pole size class. Tops are beginning to close in on the rows. Sale #036-04-01 completed 6/08.																																																						
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46	6229 - Mixed lowland shrub	Nonstocked	13.7			No	Third creek drainage area.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47	42290 - Natural Mixed Pine	Poletimber Medium	4.5	51	1-50	N/A	Opening filling in from adjacent stands. There is a couple clones of larger diameter aspen.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	25	Log/Pole	10	51
White Pine	55	Pole/Sapling	7	51
Jack Pine	5	Pole/Sapling	5	
Quaking Aspen	10	Sapling	3	
Bigtooth Aspen	5	Sapling/Pole	3	

48	42210 - Natural Red Pine	Sawtimber Medium	6.3	102	1-50	N/A	Sale #036-04-01 completed in 6/08. Regeneration is patchy: RP, WP, BF, WSp, T, JP.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Log/XLog	16	
Red Pine	90	Log/XLog	16	102

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Seeding
Red Maple	Medium	10 - 20 feet	Sapling
White Pine	Medium	>20 feet	Seeding
Jack Pine	Medium	Variable	Seeding
Red Pine	Medium	Variable	Seeding
Balsam Fir	Medium	Variable	Seeding

49	4130 - Aspen	Sapling Medium	22.5	5	Immature	N/A	PCT work completed 07/21/2022. Deciduous competition cut down under contract with brush saws. Work was done to supplement the site prep spray that was completed in 2021. Site is ready to be planted in 2023. 2022 Doesn't appear planted. Site prep spray completed on 8/4/21. Trenched summer 2019, FTP 42-863. To be planted to red pine in 2020. Site prep herbicide needed. Harvested via clearcut w/ reserves; sale #010-14, East Third Creek Mix. Retention pocket inclusion.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
Choke Cherry	5	Sapling	1	
Balsam Fir	5	Sapling	1	
Quaking Aspen	70	Sapling	1	5

50	6124 - Lowland Spruce-Fir	Poletimber Well	38.1	84	51-80	N/A	Variable stand - sparse wet areas and areas of slightly higher ground with greater tree densities. BA range from 30 to 110. A range of sizes and ages.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Pole/Sapling	9	
Paper Birch	5	Pole	9	
White Pine	15	Log/Pole	14	
Balsam Fir	20	Pole/Sapling	8	
Northern White Cedar	10	Pole/Log	9	
White Spruce	5	Log/Pole	12	
Black Spruce	25	Pole/Sapling	9	84
Red Maple	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	Variable	Sapling
Tamarack	Medium	Variable	Sapling
Balsam Fir	High	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51 4130 - Aspen Sapling Well 30.9 6 Immature N/A

Regeneration looks good. 2018-Harvested via clearcut w/ reserves in 2017; sale #010-14, East Third Creek Mix. Small 2 acre marked inclusion along middle, east side.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling	1	
Bigtooth Aspen	45	Sapling	1	6
Quaking Aspen	15	Sapling	1	
Red Maple	5	Sapling	1	
White Spruce	5	Sapling	1	
Sugar Maple	10	Sapling	1	
Black Cherry	10	Sapling	1	

52 42290 - Natural Mixed Pine Poletimber Well 10.2 90 51-80 N/A

Contains a variety of tree sizes, ages, and densities.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
Black Spruce	15	Pole	8	
White Pine	50	Log/Pole	12	90
Red Pine	15	Log/Pole	10	
Red Maple	5	Pole	7	
Quaking Aspen	10	Pole	7	

53 42320 - Upland Spruce Sawtimber Well 17.4 77 81-110 N/A

Long, narrow transition stand between planted red pine / road and lowland conifers. Variable tree species and densities.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Quaking Aspen	5	Log/Pole	12	
White Spruce	15	Log/Pole	10	
Red Pine	5	Log/Pole	12	
Red Maple	5	Pole	8	
Black Spruce	45	Log/Pole	10	77
Black Cherry	5	Pole	7	
White Pine	10	Log/Pole	10	77

54 42110 - Planted Red Pine Sawtimber Well 78.9 70 141-170 N/A

Newberry Rexton motorcycle trail in stand; use timber sale specs to protect the trail. The stand was thinned in 1998, and the far west portion again in 2008.

2/25/2016: Thinned in 2014 - Buck Rub Red Pine 420081401.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Pole	7		Beech	Low	10 - 20 feet	Sapling
Bigtooth Aspen	2	Pole	8		Quaking Aspen	Trace	< 5 feet	Sapling
White Pine	2	Log/Pole	12		White Pine	Trace	5 - 10 feet	Sapling
Red Pine	90	Log/Pole/XLog	15	70	White Spruce	Trace	10 - 20 feet	Seeding
Black Cherry	2	Pole/Sapling	6		Black Cherry	Trace	Variable	Sapling
White Spruce	2	Log	14		Sugar Maple	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 4134 - Aspen, Spruce/Fir Poletimber Well 7.8 39 1-50 N/A Scattered large white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Pole/Sapling	5	39
White Spruce	10	Pole/Sapling	5	
Red Maple	5	Pole/Sapling	5	
White Pine	5	Log	14	
Paper Birch	5	Pole/Sapling	5	
Balsam Fir	10	Sapling	4	

56 4134 - Aspen, Spruce/Fir Sapling Well 4.0 23 1-50 N/A Some of the trees are starting to become merchantable. Stand is within DWC.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Sapling/Pole	4	23
Black Cherry	5	Sapling/Pole	4	23
Quaking Aspen	70	Sapling/Pole	4	23
Balsam Fir	10	Sapling/Pole	4	23
Red Maple	5	Sapling/Pole	4	23

57 6121 - Tamarack Sapling Medium 15.7 81 1-50 N/A Treed bog. Poor site index.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	50	Sapling/Pole	2	81	Tamarack	Medium	Variable	Sapling
Black Spruce	50	Sapling/Pole	3	81	Black Spruce	Medium	Variable	Sapling

58 4130 - Aspen Sapling Well 89.4 16 1-50 N/A Sale #034-04-01 completed 9/07. Fully stocked.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling	3	16
White Pine	2	Log	14	
Quaking Aspen	50	Sapling	3	16
Paper Birch	2	Sapling	3	16
Balsam Fir	6	Sapling	2	16
Bigtooth Aspen	15	Sapling	3	16
Red Maple	15	Sapling	3	16

59 429 - Mixed Upland Conifers Poletimber Medium 5.0 61 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Pole/Sapling	6		White Pine	Low	5 - 10 feet	Sapling
Red Pine	5	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
White Spruce	35	Pole/Sapling	7		Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
Sugar Maple	5	Log/Pole	10					
Balsam Fir	10	Sapling/Pole	4					
White Pine	35	Pole/Sapling	7	61				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
60	6225 - Bog	Nonstocked	4.3			No																																																			
61	6220 - Alder/willow	Nonstocked	2.6			No																																																			
62	6220 - Alder/willow	Nonstocked	4.0		Unspecified	No	2022 - some water is in the pond. Willow and red pine are filling in on the edges 2014- Dry this year.																																																		
63	4130 - Aspen	Poletimber Well	83.1	45	51-80	N/A	Mix of aspen, hardwood, and conifers. Variety of sizes and densities, with small areas of larger trees.																																																		
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64	6233 - Wet Meadow	Nonstocked	4.7			No																																																			
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65	3101 - Poverty Grass, Cladonia	Nonstocked	102.5		Unspecified	No	Unsure if oak was ever planted. Large opening filling in with trees. Couple patches of mature trees containing jack pine, spruce, and maple. Old farm field with stone fences.																																																		
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66	4112 - Maple, Beech, Cherry Association	Poletimber Medium	37.8	36	1-50	N/A	There are areas of mature trees and a small amount of conifer present. Good area to plant. Very low end of BA																																																		
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67	4130 - Aspen	Sapling Well	5.2	5	1-50	N/A	Regeneration is coming in well. 2018- Harvested via clearcut in 2018; sale #010-14, East Third Creek Mix.																																																		
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68	4130 - Aspen	Sapling Well	3.9	5	1-50	N/A	Regeneration is coming in well. 2018- Harvested via clearcut in 2018; sale #010-14, East Third Creek Mix.																																																		
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70	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.2	93	81-110	N/A	Basal area is around 90. There is good regeneration this is around 15-25 foot tall with some beech but mostly maple and cherry. Island is part of the stand and was treated with the previous timber sale. 2018- Harvested via selection cut in 2018; Sale #010-14, East Third Creek Mix. Small aspen pocket between main stand treated and island treated.																																																		
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72	4130 - Aspen	Sapling Well	21.5	7	1-50	N/A	There s a lot of aspen regeneration especially on the east side. West has more cherry, spruce, and maple. Harvested via clearcut w/ reserves; sale #010-14, East Third Creek Mix. One mature aspen/acre were left per cutting specs. Upland spruce and aspen should be main components of this stand.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74	4199 - Other Mixed Upland Deciduous	Poletimber Well	11.6	39	51-80	N/A	Decent amount of 1-2" DBH maple and other hardwoods species in the understory. Both ends of the stand contain parts of spruce plantation that was removed from the north.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Pole/Sapling	7	39
Paper Birch	5	Pole/Sapling	7	
White Spruce	5	Log/Pole	10	
Black Cherry	5	Pole	5	
Sugar Maple	35	Pole/Sap/Log	7	39
Red Maple	10	Pole/Sapling	7	
Balsam Fir	10	Pole	6	

75	4130 - Aspen	Sapling Well	41.7	16	1-50	N/A	Coming in well with good diversity. Sale # 035-04-01 completed 7/07. Fully regenerated.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	16
Paper Birch	10	Sapling/Pole	4	16
Balsam Fir	5	Sapling	1	16
Quaking Aspen	60	Sapling	3	16
White Spruce	5	Sapling	1	16
Black Cherry	10	Sapling/Pole	3	16

76	3102 - Grass	Nonstocked	3.1		Unspecified	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Low		Tall Shrub
Black Cherry	Low		Tall Shrub

77	6120 - Lowland Cedar	Poletimber Well	15.0	102	111-140	N/A	Possible drain in the stand that flows north into the adjacent compartment.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	7	
Northern White Cedar	78	Log/Pole	12	102
Black Spruce	5	Log/Pole	10	
Hemlock	2	Log/Pole	10	
Paper Birch	10	Pole/Log	9	

78	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	2.3	86	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log/Pole	12	86
Red Maple	10	Log/Pole	10	
Paper Birch	5	Pole/Sapling	7	
Red Pine	5	Pole/Log	9	
Ironwood	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Ironwood	Trace	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79 42110 - Planted Red Pine Sawtimber Well 14.4 63 111-140 N/A Heavy hardwood understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	95	Log/Pole	13	63	Sugar Maple	High	>20 feet	Sapling
Sugar Maple	5	Pole/Sapling	6		Quaking Aspen	Low	>20 feet	Sapling
					Ironwood	Medium	>20 feet	Sapling
					Red Maple	Medium	>20 feet	Sapling
					Black Cherry	Low	10 - 20 feet	Sapling

80 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 14.3 84 81-110 N/A Ready for harvest but would need to harvest some cedar and have a winter harvest to protect soils. Most species are of poor quality. Did not find any private lines. Within DWC.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Log/Pole	10		Black Ash	Low	10 - 20 feet	Sapling
Quaking Aspen	15	Log/Pole	10	84	Red Maple	Low	Variable	Sapling
Balsam Fir	10	Pole	7		Balsam Fir	High	Variable	Sapling
Balsam Poplar	10	Pole	8		Quaking Aspen	Low	Variable	Sapling
Black Spruce	10	Log	12					
Red Maple	10	Log/Pole	12					
Black Ash	15	Pole/Sapling	7					
Yellow Birch	5	Log/Pole	10					
Northern White Cedar	15	Log/Pole	10					

81 4112 - Maple, Beech, Cherry Association Sawtimber Well 40.8 93 81-110 N/A On the low end of the BA. There is nice regeneration coming in with very little beech. Trace amount of conifers in the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Log/Pole	12	93	Red Maple	High	Variable	Sapling
Sugar Maple	40	Log/Pole	12		Sugar Maple	High	Variable	Sapling
					Black Cherry	Medium	Variable	Sapling

82 4130 - Aspen Poletimber Well 39.6 49 81-110 N/A If acres are needed to balance out aspen ages, this stand can be treated.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	5	Pole	8	
Red Maple	5	Pole/Sapling	7	
Quaking Aspen	65	Pole	7	49
Paper Birch	10	Pole/Sapling	7	
Black Cherry	5	Pole/Sapling	6	
Balsam Fir	10	Pole/Sapling	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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83 6120 - Lowland Cedar Poletimber Well 4.2 96 81-110 N/A Short cedar with weak tops and wet ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	8		Quaking Aspen	Low	Variable	Sapling
Northern White Cedar	55	Pole/Log	9	96	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	6		Balsam Fir	Low	10 - 20 feet	Sapling
Balsam Poplar	5	Pole	7					
Quaking Aspen	10	Pole	8					
Red Maple	5	Pole	9					
Paper Birch	10	Pole	7					

84 3102 - Grass Nonstocked 1.3 No Road ROW.

88 4139 - Aspen, Mixed Deciduous Poletimber Well 33.9 45 51-80 N/A Mix of aspen, hardwood, and conifers. Variety of sizes and densities, with small areas of larger trees. Mackinaw mix just above the County line.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole	6	
Ironwood	5	Pole	6	
Balsam Fir	5	Pole	6	
Black Cherry	5	Pole	8	
Paper Birch	10	Pole/Log	9	
Bigtooth Aspen	45	Pole	7	45
Red Maple	5	Pole	8	
White Spruce	10	Pole/Log	9	