



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42120

Entry Year 2019

Acreage: 2,801

County Luce

Management Area: Tahquamenon Basin Wetlands

Revision Date: 2017-08-16

Stand Examiner: Jennifer Burnham

Legal Description:

T45N-R09W Sections 2, 3, 10, 11, 14, and 15

Identified Planning Goals:

Retain and improve the integrity of the deeryard while utilizing mature timber resources where commercially feasible.

Soil and topography:

The majority of soils in the compartment are Carbondale, Lupton, and Tawas mucks. Small areas of Kalkaska and Paquin sands are located along the west side of the compartment. The entire area is seasonally ponded during spring run off. Topography is mostly level.

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

The compartment is contiguous in State ownership. Deer hunting is the most prevalent land use for the compartment. Private, non-industrial ownerships border the compartment on the north and west sides. State ownership borders the compartment along the south and east sides. Land use within the compartment has been small scale timber management for deer yard improvement in the past.

Unique Natural Features:

None identified.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

Deer Winter Complex

Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: This compartment contains the West Branch Sage River which is a designated trout stream. Native Brook Trout exist here and do provide a fishery to those anglers seeking the adventure to hit remote areas. Any treatments in stands adjacent to the river with aspen as a major component should maintain a 300 ft setback to not encourage beaver activity.

Wildlife Habitat Considerations:

Compartment 120 lies in southeastern Luce county in the Seney Sand Lake Plain ecological sub-subsection and is in the Tahquamenon River Basin Wetlands Management Area and white-tailed deer, black bear, gray jay, and snowshoe hare are designated featured species. The entire compartment lies in the Hulbert-Sage River deer wintering complex which supports high numbers of deer during winter months. This small compartment is dominated by lowland types including cedar and swamp conifer with small components of aspen, fir, and swamp aspen/birch. Several small streams and creeks run through the compartment and the west branch of the Sage River makes up the eastern boundary.

Minimal harvest will occur in the compartment due to the existence of deer wintering complex. Harvested stands will not disturb cedar or hemlock and will occur during winter months to benefit wintering deer. Access to some stands will need to occur through private land to not destroy closed conifer canopy. Existing nest and den trees, snags, and woody debris will be maintained in stands where they exist. Species of special interest potentially using this compartment include white-tailed deer, black bear, moose, bobcat, hare, coyote, mink, and otter.

Mineral Resource and Development Concerns and/or Restrictions

Gravel pits are not located in the area. There may be some sand and gravel potential within the compartment but little information about the surface geology is available for the area. Much of the compartment is covered by wetlands, which could limit any sand and gravel development. Limestone is mined at the Hendricks Quarry more than three miles to the

south. The same limestone may be too deep here to be economically mined. There is no known metallic mineral potential in this area, and there is no known potential for economic oil and gas production in the UP.

Vehicle Access:

Extremely poor. No drivable interior roads exist. Old winter roads are throughout the compartment but are over grown in most places.

Survey Needs:

None.

Recreational Facilities and Opportunities:

No recreation facilities. Hunting and wildlife viewing are a couple of recreational opportunities.

Fire Protection:

Large fires are not likely, because of the swamp conifer and lowland hardwood types. Poor access with wheeled equipment will limit suppression activities.

Additional Compartment Information:

The following reports from the Inventory are attached:

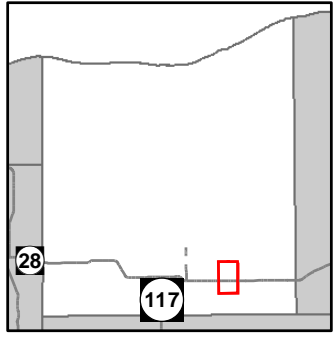
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

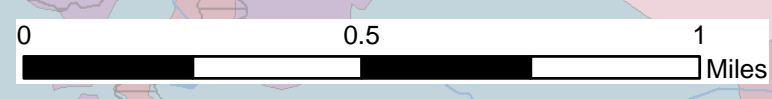
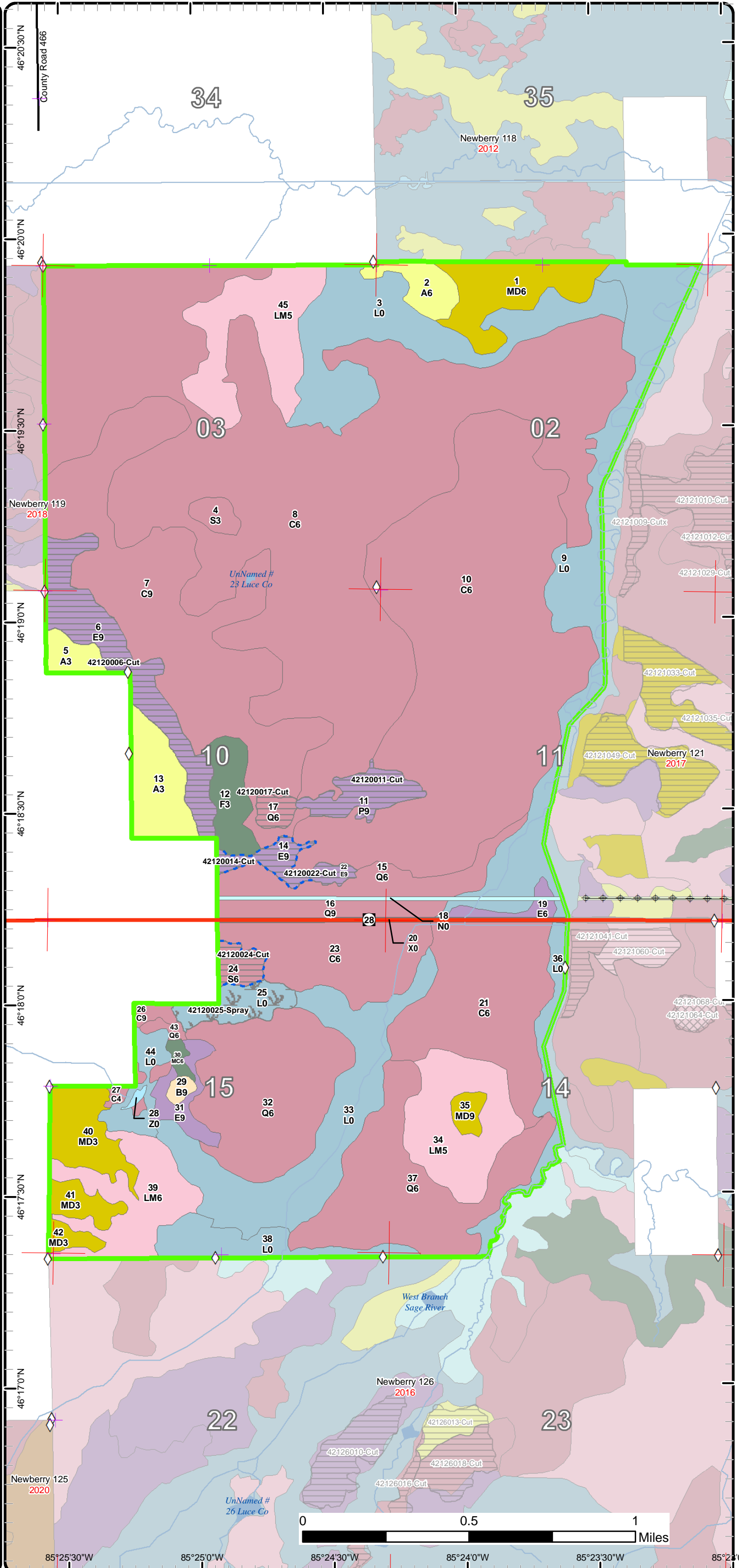
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 120
 T45N, R09W, Sec. 2, 3, 10, 11, 14, 15
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2019
 Acres: 2801.3 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 12/12/2017
 Map Phase: Post-Review



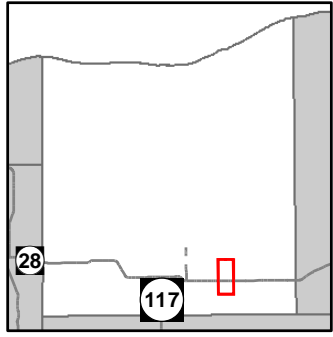
- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Highway
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Pesticide
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



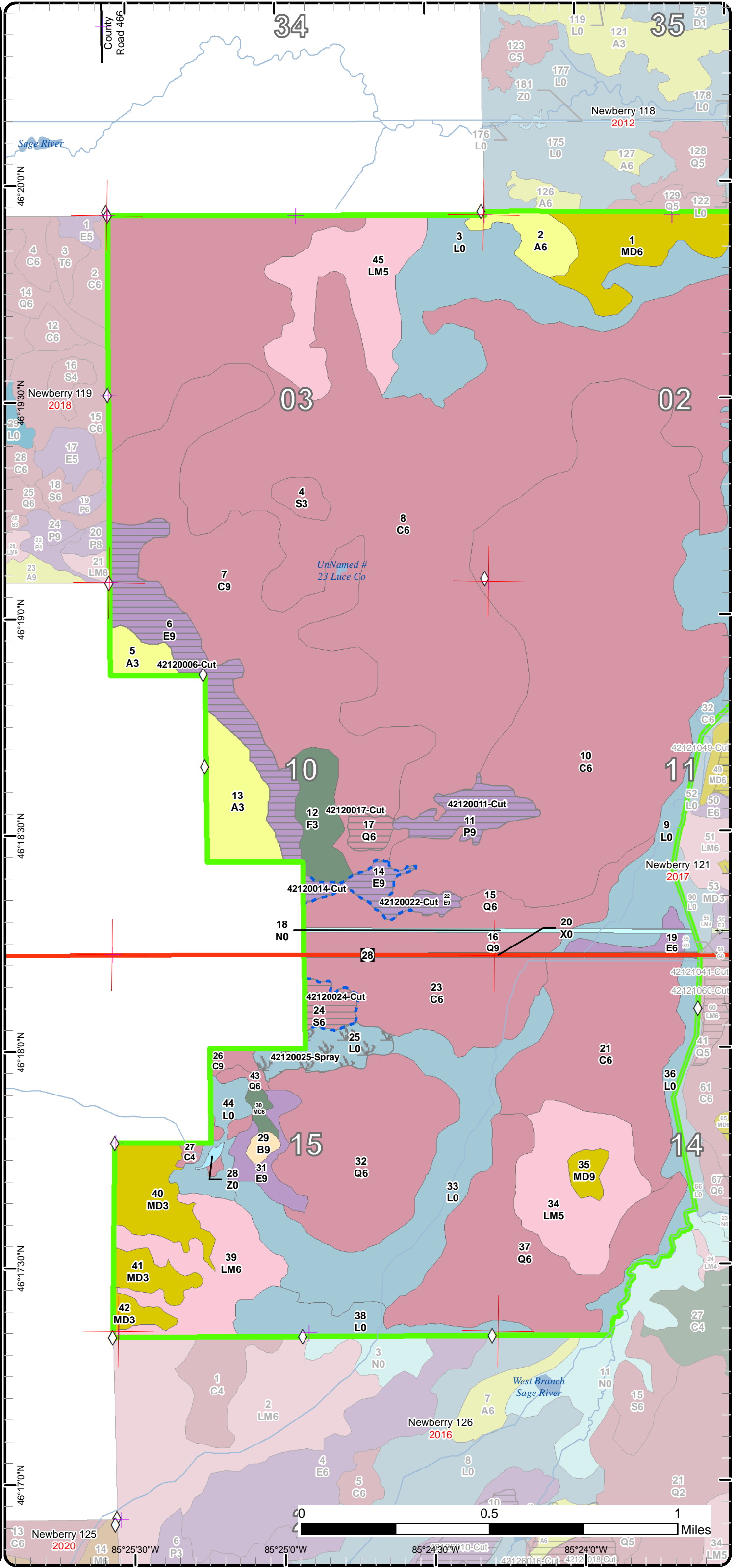
85°25'30"W 85°25'0"W 85°24'30"W 85°24'0"W 85°23'30"W 85°23'0"W

Cover Type & Treatments Map

Compartment: 120
 T45N, R09W, Sec. 2, 3, 10, 11,
 14, 15
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin
 Wetlands
 YOE: 2019
 Acres: 2801.3 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 12/12/2017
 Map Phase: Post-Review

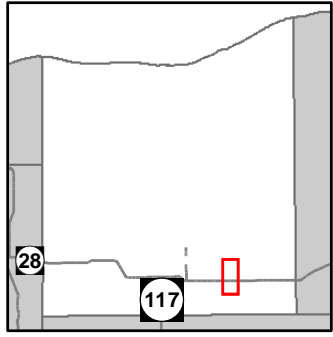


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Highway
- Paved Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Pesticide
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

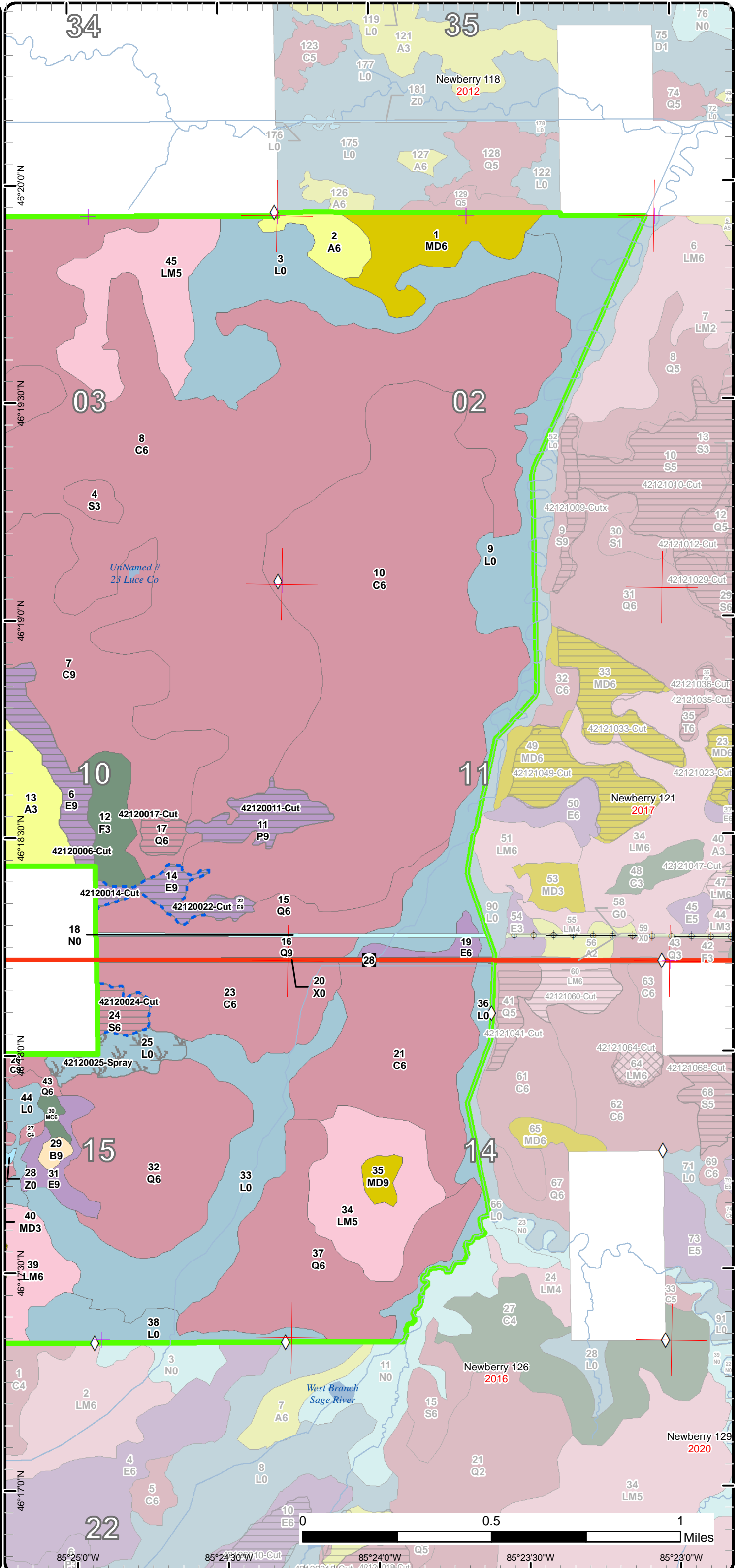


Cover Type & Treatments Map

Compartment: 120
 T45N, R09W, Sec. 2, 3, 10, 11,
 14, 15
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin
 Wetlands
 YOE: 2019
 Acres: 2801.3 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 12/12/2017
 Map Phase: Post-Review

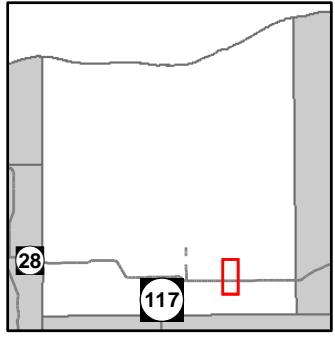


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- - - Counties
- Highway
- Streams
- Lakes and Rivers All
- ⊕ Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Pesticide
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

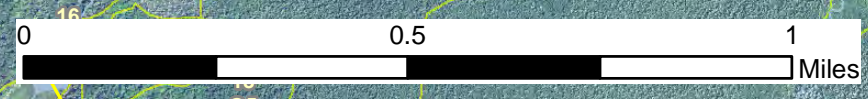
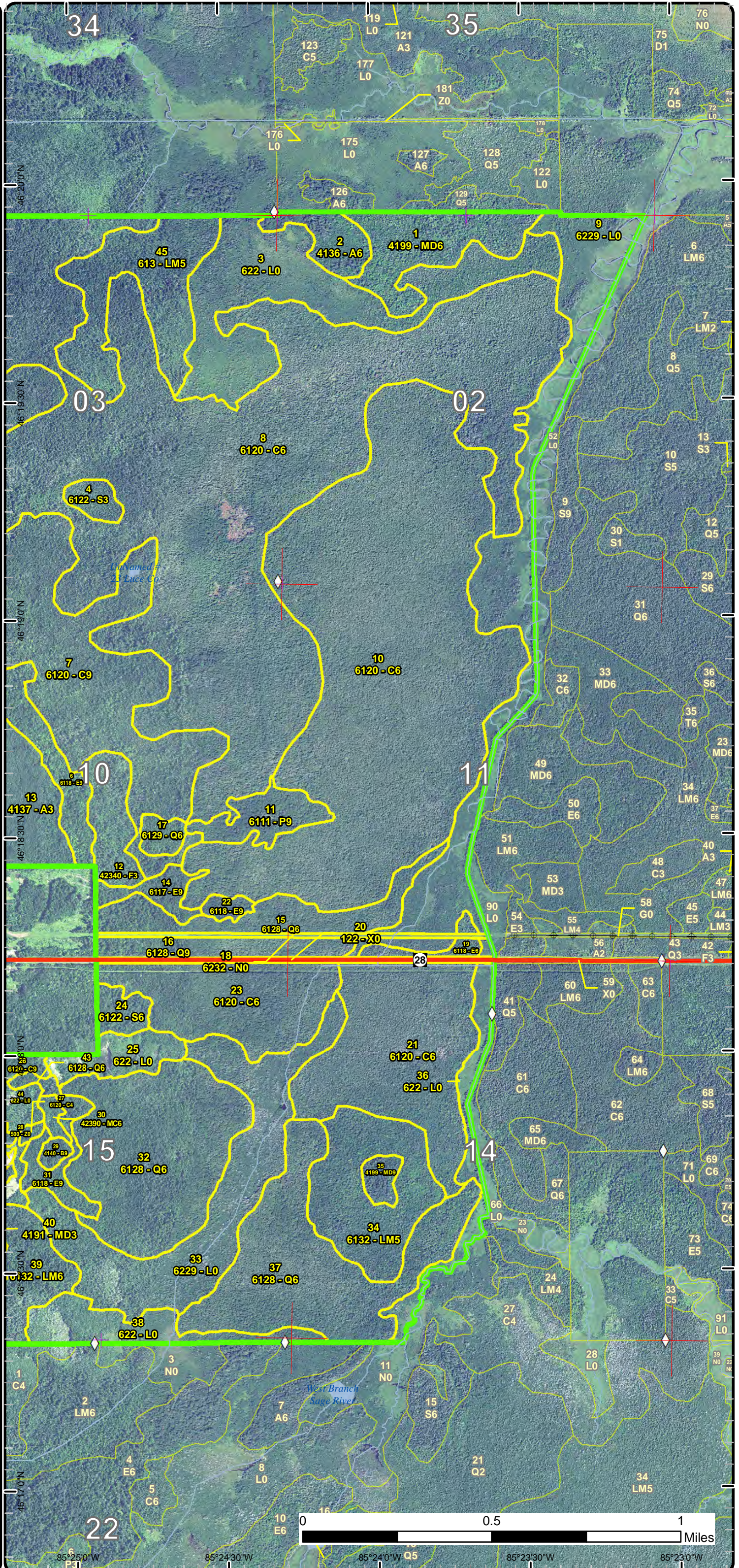


Stand Boundary Map

Compartment: 120
 T45N, R09W, Sec. 2, 3, 10, 11, 14, 15
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2019
 Acres: 2801.3 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 12/12/2017
 Map Phase: Post-Review



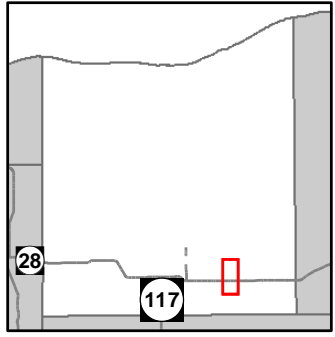
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Highway
- Streams
- Lakes and Rivers All
- ⊕ Powerline
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland



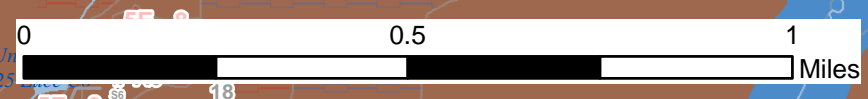
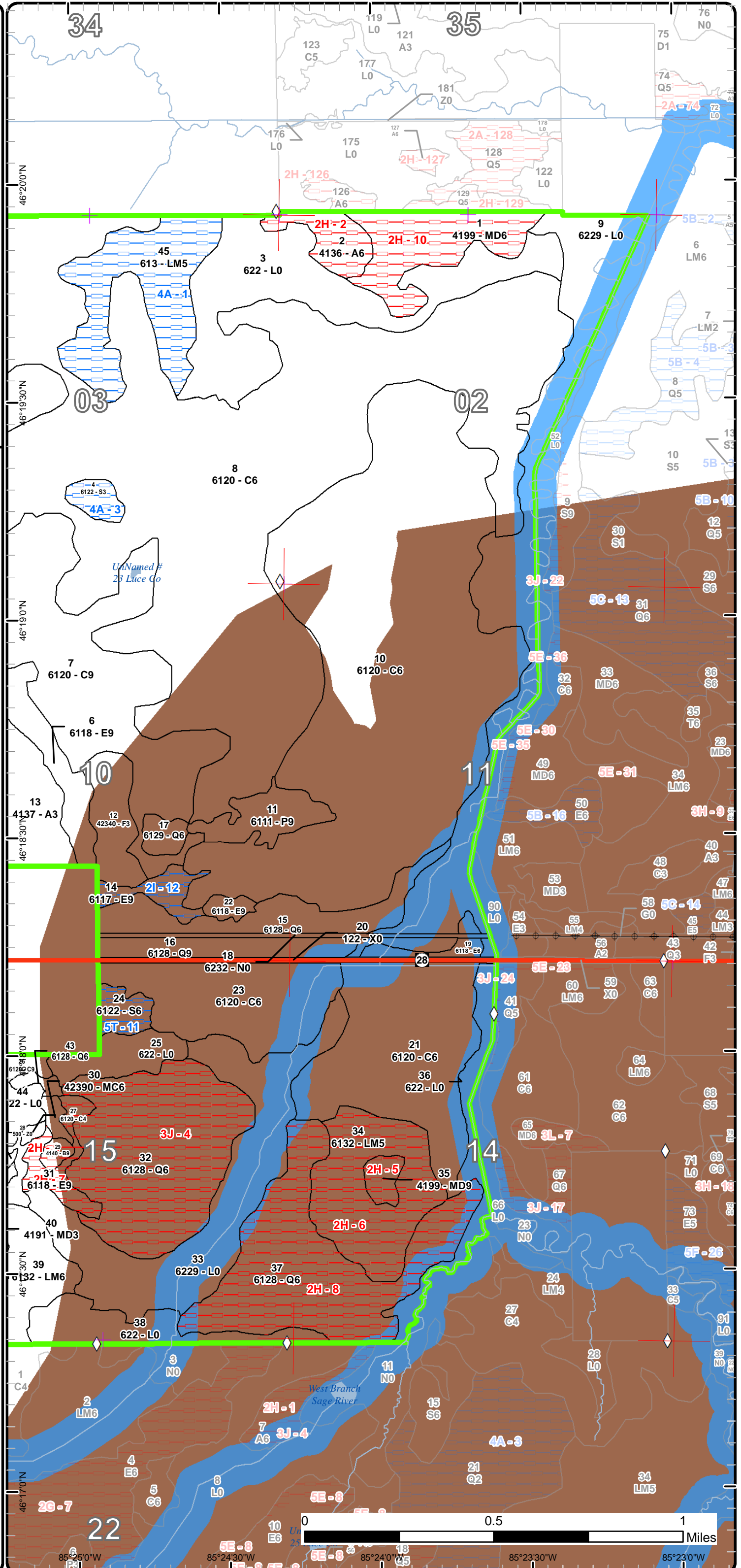
35°25'0"W 85°24'30"W 85°24'0"W 85°23'30"W 85°23'0"W

Special Conservation Areas & Site Conditions Map

Compartment: 120
 T45N, R09W, Sec. 2, 3, 10, 11, 14, 15
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2019
 Acres: 2801.3 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 12/12/2017
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Highway
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 4A: No Markets Available for these Forest Products
- 5T: Contingency Treatment for Forest Health Concerns
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 120 Year of Entry 2019

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 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 1327 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1521 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 121 | 0 | 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 303 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 98 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 190 |
| Lowland Shrub | 435 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 435 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Marsh | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Mixed Upland Deciduous | 0 | 0 | 50 | 0 | 0 | 0 | 45 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 |
| Paper Birch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Upland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Urban | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Water | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 453 | 0 | 50 | 47 | 0 | 25 | 56 | 178 | 1527 | 93 | 234 | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 2802 |



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 120

Total Compartment Acres: 2,801

Commercial Harvest - 92
 Harvests with Site Condition - 22
 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 |
|-----------------------------|------------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Lowland Aspen/Balsam Poplar | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Lowland Conifers | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Lowland Deciduous | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 |
| Lowland Spruce/Fir | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Total | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 114 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 134 |
| Next Step | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 134 |
| Total | 114 | 0 | 0 | 0 | 0 | 20 | 134 | 0 | 0 | 268 |



| Stand Name | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|---|----------------|-------|--|----------------|-----------|----------|----------------|-------------------------|---------------------------------|---------------|----------------------|
| 6 | 42120006-Cut | 59.6 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 90 | 81-110 | Harvest | Clearcut with Retention | 611 - Lowland Deciduous Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Final harvest no cut hemlock. Mark some yellow birch and white pine for leave trees especially along the west side of the stand. Leave all cedar, unless a few incidental are cut for maneuverability. Where cedar density precludes cutting of other species, leave as a retention pocket. Leave all pockets of sub-merchantable balsam fir. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Regeneration of species that are currently present. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Winter cut; no chipping allowed. Best access is through PVT land. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare. Place high dollar value on cedar. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 11 | 42120011-Cut | 21.3 | 6111 - Lowland Balsam Poplar | Sawtimber Well | 69 | 111-140 | Harvest | Clearcut with Retention | 6112 - Lowland Aspen | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Harvest all trees except cedar. Leave fir and spruce in cedar retention pockets. Harvest in the winter because of the low ground. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Regeneration will be the same species that are currently present. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> There is old red line present but will need to be touched up. Winter cut; no chipping allowed. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 14 | 42120014-Cut | 11.7 | 6117 - Lowland Deciduous, Mixed Coniferous | Sawtimber Well | 67 | 81-110 | Harvest | Clearcut with Retention | 611 - Lowland Deciduous Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: Survey Needed | | | | | | | | |
| <u>Prescription</u> Remove all species. Leave all cedar, unless a few incidental are cut for maneuverability. Where cedar density precludes cutting of other species, leave as a retention pocket. Leave all pockets of sub-merchantable balsam fir. Mark some yellow birch for leave trees. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Regeneration will be of the same species that are present. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Winter cut; no chipping allowed. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare. Place high dollar value on cedar. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 17 | 42120017-Cut | 7.0 | 6129 - Mixed Coniferous Lowland Forest | Poetimber Well | 77 | 51-80 | Harvest | Clearcut with Retention | 612 - Lowland Coniferous Forest | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Remove all species except cedar. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Regeneration will be of same species present now. Tamarack may not come back because of mortality. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Winter cut; no chipping allowed. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|-------------------|-------|---|-------------------|--------------|-------------|-------------------|----------------------------|--------------------------------------|------------------|-------------------------|
| 22 | 42120022-Cut | 4.5 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 76 | 81-110 | Harvest | Clearcut with Retention | 611 - Lowland Deciduous Forest | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Harvest all species except the cedar. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare.

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

Acceptable Regeneration of species that are present now.
Regen:

Other Winter cut; no chipping allowed.
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|-----------------------------|-------------------|----|--------|---------|----------------------------|------------------------|-----------|-------------------------|
| 24 | 42120024-Cut | 10.0 | 6122 - Black Spruce Well | Poetimber Well | 77 | 81-110 | Harvest | Clearcut with Retention | 6122 - Black Spruce | Even-Aged | Draft Field Boundary |
|----|--------------|------|-----------------------------|-------------------|----|--------|---------|----------------------------|------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Harvest all species except cedar. Do not harvest any hemlock or white pine if they are present. Functional cover will be retained in the stand for deer benefit. The regenerating stand will provide browse for deer and snowshoe hare.

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

Acceptable Regeneration will be same species that are present now.
Regen:

Other There is an old skid road that that comes off the powerline that can be used for access. It is still fairly open but will need frozen conditions for good access. Winter cut; no chipping allowed.

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------------|------|-----------------------------------|-----------------|--|--|-----------|--------|-------------------------------|--|-------------------------|
| 25 | 42120025- Spray | 19.9 | 622 - Lowland Shrub Nonstocked | Unspec ified | | | Pesticide | Aerial | 6229 - Mixed lowland shrub | | Draft Field Boundary |
|----|--------------------|------|-----------------------------------|-----------------|--|--|-----------|--------|-------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Area contains phragmites and hogweed. Apply where present.
Specs:

Next Step Monitoring, Other - Specify
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 134.0**

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 120
Year of Entry: 2019

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | | |
|----------------|--------------------|----------------|---------------|-----------------------------|--------------------------|----|----|-----|-----|
| | | With Condition | Not Available | | 2I | 4A | 5T | 2H | 3J |
| 64 | 47 | 0 | 17 | Aspen | | | | 17 | |
| 1521 | 1521 | 0 | 0 | Cedar | | | | | |
| 21 | 21 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | | | |
| 302 | 73 | 0 | 230 | Lowland Conifers | | | | 114 | 116 |
| 98 | 71 | 12 | 15 | Lowland Deciduous | 12 | | | 15 | |
| 190 | 56 | 69 | 65 | Lowland Mixed Forest | | 69 | | 65 | |
| 435 | 435 | 0 | 0 | Lowland Shrub | | | | | |
| 18 | 0 | 18 | 0 | Lowland Spruce/Fir | | 8 | 10 | | |
| 7 | 7 | 0 | 0 | Marsh | | | | | |
| 103 | 50 | 0 | 52 | Mixed Upland Deciduous | | | | 52 | |
| 3 | 0 | 0 | 3 | Paper Birch | | | | 3 | |
| 4 | 4 | 0 | 0 | Upland Conifers | | | | | |
| 25 | 25 | 0 | 0 | Upland Spruce/Fir | | | | | |
| 10 | 10 | 0 | 0 | Urban | | | | | |
| 1 | 1 | 0 | 0 | Water | | | | | |
| 2,801 | 2,320 | 99 | 382 | Total Forested Acres | 12 | 77 | 10 | 267 | 116 |
| | 83% | 4% | 14% | Relative Percent | | | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|--|---------------------------------|---|-------|---|---|----------------------|----------------------|
| 1 | Available | 4A: No Markets Available for these Forest Products | 69 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Due to high water table, stand is taking a long time to become merchantable. | | | | | | | |
| 2 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 17 | 2B: Unknown if access through adjacent landowner(s) is possible | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified |
| Comments: Stand has multiply issues for access. Adding stand to adjacent compartment would not allow for better chances of harvesting. | | | | | | | |

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 120
Year of Entry: 2019

| | | | | | | | |
|---|--------------------|---|-----|--|-------------|-------------|-------------|
| 3 | Available | 4A: No Markets Available for these Forest Products | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: High water table is keeping the trees from becoming merchantable. Should get there eventually. | | | | | | | |
| 4 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 116 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Stand is surrounded by lows, beaver ponds and drains. Would need to cross pvt for access and only during a real winter. Tree are of small diameter and dense cedar, which would need to be harvested to get to other spp. | | | | | | | |
| 5 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 7 | 2D: Portable Bridge Needed (Dept. bridge will be adequate) | Unspecified | Unspecified | Unspecified |
| Comments: Small patch of higher ground surrounded by lowland. Would need two bridges and a real winter get to the stand. | | | | | | | |
| 6 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 65 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: Multiple creek/drain crossings. Over 1/2 mile of wet cedar stand to get through. Stand it self is also wet with small drains in the stand. | | | | | | | |
| 7 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 15 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: With the beaver ponds and drains not sure how to access the area for harvesting. | | | | | | | |
| 8 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 114 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: Access is difficult with drains and low cedar stands to the north and lows to the south. | | | | | | | |

Report 4 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 120
Year of Entry: 2019

| | | | | | | | |
|--|--------------------|---|----|-------------------|-------------|-------------|-------------|
| 9 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Blocked by old beaver ponds, creeks, and drains. | | | | | | | |
| 10 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 45 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Available | 5T: Contingency Treatment for Forest Health Concerns | 10 | 2I: Survey needed | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 2I: Survey needed | 12 | 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 Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | 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. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|---|--|--------------------|-------|--------------|-------------|--|
| 1 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 45.4 | 50 | 51-80 | No way to get to the stand for harvesting. OPIC - FMD: VERY THICK fir with associated low quality r maple and aspen poletimber. Aspen is large. Areas of well stocked lowland hardwood saplings. Cedar component. Stand makeup is really F3/M4/A7. Soil: Hendrie mucky peat |
| 2 | 4136 - Aspen, Mixed Conifer | Poletimber Well | 17.3 | 80 | 81-110 | With new imagery you can see the BA has decreased since last inventory. No access to the stand. OPIC - FMD: very mature Asp - stand is breaking up. Asp 12- 16" dbh 6-8 stks. Heavy fir understory with areas of natural Asp regeneration and r maple saplings. Access is a major issue - Big Ditch to the N., expansive cedar swamp to the south. A cut should remove all merchantable aspen, and spruce/fir. Retain maple, cherry, associated cedar and hemlock. A conifer component within the stand would be covered given the extensive spruce/fir sapling understory. Rutting would be a major concern. MO is for aspen, secondary MO for spruce/fir Soil: Hendrie mucky peat |
| 4 | 6122 - Black Spruce | Sapling Well | 8.0 | 78 | 1-50 | Slow growing. OPIC - FMD: small diameter b spruce poletimber and associated cedar regen. B spruce and ced 5-10' tall. Tamarack component. Heavy leatherleaf. Cut approx in the late 1930's |
| 5 | 4137 - Aspen, Birch | Sapling Well | 11.3 | 26 | Immature | Same as stand 13 to the south. OPIC - FMD: good aspen sapling regen. 16-20' tall. Heavy fir sapling component. Associated r maple stump sprouts. Sale #009-89, completed 7/91 |
| 6 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 59.6 | 90 | 81-110 | Over story is too thick for any regen coming in. There are a couple very small pockets of blowdown. Areas along the aspen type is more diverse in species. Aspen, birch and ash dying out from age. OPIC - FMD: Cedar 6-12" dbh 3-4 sticks tall. Associated b spruce, w spruce, hemlock and widely scattered w pine. Low quality y birch, r maple, and b ash component. Scattered aspen and balm throughout. E side of stand gradiates to cedar type. Stand cond 8 SCA= deeryard. Stand cond for timber = 6 |
| 7 | 6120 - Lowland Cedar | Sawtimber Well | 221.5 | 77 | 111-140 | South half canopy more dense. OPIC - FMD: well formed cedar 5-14" dbh 3-4 sticks. Two aged stand from cutting in the 30's. Fairly open understory - ced saplings 2-4", associated fir saplings. Occassional openings with heavier regen. Multiple small creeks throughout the stand, flowing generally E-W. Deer usage, especially at the western end of stand. Associated w birch and widely scattered aspen/balm. Stand cond 8, SCA=deeryard. Timber Stand cond 7 |
| 8 | 6120 - Lowland Cedar | Poletimber Well | 695.2 | 70 | 111-140 | Cedar is short, the other spp are over topping most of them. Tamarack is dead or dying. White birch and Bam are over mature. OPIC - FMD: cedar 6-8" dbh, 2-3 sticks. Pockets of larger cedar 10-16" dbh. Cedar/fir understory, heavy in areas. Tag alder inclusions in small openings. Widely scattered tamarack inclusions, especially in/along old roads. Scattered b spruce inclusions, aspen/balm also in pockets. Area heavily cut in late 1930's. Stand cond 8 SCA=deeryard. Timber Stand cond 7 |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|---|
| 10 | 6120 - Lowland Cedar | Poletimber Well | 410.2 | 72 | 171-200 | Stand is of fair quality. There are small creeks scattered that flow back to the West Branch Sage River. More tag alder, smaller cedar and water near the River edge. OPIC - FMD: ced 6-14" dbh, areas of heavy cedar regen 1-20' tall where stand has had windthrow. Associated w birch especially in S of stand. Extensively cut in late 1930's - early 40's. Stand cond 8 SCA=deeryard. Timber Stand cond 7 |
| 11 | 6111 - Lowland Balsam Poplar | Sawtimber Well | 21.3 | 69 | 111-140 | Old red lines still visible. Most of the trees are over mature and starting to fall out of the canopy. BA has gone down from 10 years ago. OPIC - FMD: Mixed stand- w birch, aspen poletimber. Heavy component of cedar poletimber. Fir/cedar understory. Multiple small creeks flowing E - W. Stand cond 8 SCA=deeryard timber Stand cond 7 |
| 12 | 42340 - Upland Spruce/Fir | Sapling Well | 24.7 | 42 | 1-50 | Cedar regen from cut is slightly shorter than the other spp but really nice. Good diversity in the stand. OPIC - FMD: thick fir/cedar regen 6-12', high occurrence of windthrow on overstory. W birch poletimber 6-10" dbh 2-4 sticks throughout the stand. Scattered w spruce and cedar. Stand cond 8 SCA=deeryard timber Stand cond 5 |
| 13 | 4137 - Aspen, Birch | Sapling Well | 35.3 | 26 | Immature | Great regen, sale completed in 1991. OPIC - FMD: good aspen regen 16-20' tall. Associated fir and r maple saplings. Sale #009-89, completed 7/91 Soil: Kalkaska Okeefe sand |
| 14 | 6117 - Lowland Deciduous, Mixed Coniferous | Sawtimber Well | 11.7 | 67 | 81-110 | Part of sale 17-99 but never cut. There are more blow down areas than stand 6. Regen is Bfr, RM, cedar 1-5' tall and of low density with in the blow down pockets. OPIC - FMD: Cedar and associated spruce/fir. W birch is associated throughout the stand. Mature aspen/balm is found in pockets. Fir seedlings/sapling understory. Stand was formerly included in First Creek North timber sale (#017-99) which went unsold. Stand cond 8 SCA=deeryard timber Stand cond 4 |
| 15 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 39.7 | 65 | 111-140 | More spp diversity on the E/W edges of the stand. There are small pockets of blow down. OPIC - FMD: overall fairly small diameters 2-7" dbh. Associated larger cedar left from past cutting. W. side of stand holds larger diameters in areas and more r maple sapling and scattered aspen w birch component. Stand cond 8 SCA=deeryard timber Stand cond 5 |
| 16 | 6128 - Lowland Coniferous, Mixed Deciduous | Sawtimber Well | 23.1 | 69 | 51-80 | Too shaded for regen except for the blow down pockets. In the blow down there are cedar, Bfr, and tag alder. Tamarack starting to fall out of the stand. Small creek in-between this stand and stand 19. OPIC - FMD: cedar 6-14" dbh. W end of stand hold the better formed cedar. Aspen, balm, w birch components throughout. Pockets of small diameter cedar and cedar/fir regen. Widely scattered r maple. Stand cond 8 SCA=deeryard timber Stand cond 5 |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-----------------|-------|-----------|----------|--|
| 17 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 7.0 | 77 | 51-80 | Tamarack is dying. Final harvest soon before the timber is not merchantable. No cutting of cedar. |
| 19 | 6118 - Lowland Deciduous with Cedar | Poletimber Well | 7.3 | 54 | 111-140 | <p>Smaller spp coming in well from past harvest. There is some cedar coming in as part of the regen especially in the more open areas of the canopy. Maybe another 20 years and the stand may have merchantable stems for harvest.</p> <p>OPIC - FMD: pockets of fair to well formed cedar 10-12" dbh 4-5 sticks, though overall stand runs 2-3 stick heights. Associated w birch-10-12" 5-6 sticks. Fir understory with associated tag alder and w birch saplings. Stand cond 8 SCA=deeryard timber Stand cond 6</p> |
| 21 | 6120 - Lowland Cedar | Poletimber Well | 113.0 | 94 | 81-110 | <p>Cedar is mainly 3 sticks tall, not very dense and more pocketed than scattered through the whole stand evenly. In open areas there is good cedar regen 1-10' tall. Drains running E-W in the stand full of water 3-10' wide. OPIC - FMD: low quality cedar poletimber 1-3 sticks height. Scattered b ash, w birch. Heavy tag alder understory - possible resulting from past cutting on a lower SI site. Stand cond 8 SCA=deeryard timber Stand cond 3 Soil: Carbondale, Lupton, Tawas</p> |
| 22 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 4.5 | 76 | 81-110 | <p>Canopy fairly open because of the mortality of the bam and white birch. Cedar regen is present in the more open areas.</p> <p>OPIC - FMD: well formed aspen and balm. Slightly higher ground site. W birch poletimber component with scattered well stocked spruce and fir poletimber areas. Light fir sapling understory. Associated cedar in single trees and pockets. Clearcut with reserves :: Remove merchantable aspen, balm, spruce, fir w birch and maple. Retain all cedar, hemlock and w pine. Avoid areas that would need cedar to be cut in order to access cut tree species. Given the small acreage and the surrounding cedar type holding all of the above cut species, retain no designated cut species in the stand. MO is lowground aspen/balm. Secondary MO is spruce/fir Stand cond 8 SCA=deeryard timber Stand cond 4 Soil:Carbondale, Lupton, Tawas</p> |
| 23 | 6120 - Lowland Cedar | Poletimber Well | 71.2 | 62 | 141-170 | <p>Overstory too thick for regeneration except for the areas where blow down is occurring. There are areas of heavy cedar and should be left when harvesting. Some cedar maybe cut to allow for harvesting.</p> <p>OPIC - FMD: Variable stand. Overall good quality cedar with lower quality inclusions, especially towards east end of the stand.. Associated b spruce ,tamarack and w birch throughout, Fir understory throughout 8-20'. Stand cond 8 SCA= deeryard timber Stand cond 7. Soil Carbondale, Lupton, Tawas. I</p> |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|---|
| 24 | 6122 - Black Spruce | Poletimber Well | 10.0 | 77 | 81-110 | <p>All spp but cedar are starting to dying out from being over mature. Old access road still very open.</p> <p>OPIC - FMD: large, overmature aspen and balm. Associated good quality b spruce and tamarack. Fir sapling understory. Cedar poletimber component - pockets of trees in areas. SW part of the stand has a heavy fir understory, may exclude from treatment. Remove merchantable aspen, balm, b spruce, tamarack, fir and w birch. Retain cedar, hemlock and w pine. Avoid areas that would make cutting cedar necessary to access above designated cut species. Clearcut with reserves: retain no above designated cut species given the small acreage and the species well represented in the adjacent stand. MO is lowland aspen/balm Secondary MO is maple, spruce/fir Stand cond 8 SCA=deeryard timber Stand cond 4 Soil:Carbondale, Lupton, Tawas</p> |
| 26 | 6120 - Lowland Cedar | Sawtimber Well | 4.4 | 61 | 81-110 | <p>Not the quality of stand 23. There is open water and drains in the stand especially by the marsh area. BMP's would be an issue if treating.</p> <p>OPIC - FMD: Variable stand. Cedar, y birch, elm, b ash. Balm and w birch scattered throughout 10-14" 4-7 sticks. Good quality cedar inclusion along eastern edge. W. end of stand graduates more to b ash, fir saplings 20-30' tall. Multiple drainages throughout. Stand is actually a C6/P5 type. Soil:Carbondale, Lupton, Tawas</p> |
| 27 | 6120 - Lowland Cedar | Poletimber Poor | 5.4 | 90 | 1-50 | <p>OPIC - FMD: older aged cedar 12-14" dbhs, 3-5 sticks. Areas of well stocked, but overall stand is poor stocked. Much of associated spruce/fir has experienced mortality and fallen over. Thick r maple, b ash saplings 8-10' - shorter saplings are heavily browsed.. Fir component, especially at E end of stand. Soil: Carbondale, Lupton, Tawas</p> |
| 29 | 4140 - Other Upland Deciduous | Sawtimber Well | 3.3 | 69 | 81-110 | <p>Edges give way to more mature Bam, fir. All spp are at max age except cedar. Not sure how to get to the stand for this small of acreage.</p> <p>OPIC - FMD: Stand is two aged - has been cut through in the past, areas of small diam w birch and aspen 3-6" dbh mixed with w birch and cedar 10-14" dbhs. Fir poletimber component. Stand is on a small, localized upland area. Stand is isolated by an expansive series of beaver floodings and creeks entirely surrounding the area. Soil: Carbondale, Lupton, Tawas</p> |
| 30 | 42390 - Mixed Non- Pine Upland Conifers | Poletimber Well | 3.6 | 51 | 51-80 | <p>When ready to harvest, access will be difficult. Cedar in the stand is found in pockets.</p> <p>OPIC - FMD: well stocked fir 8-12' tall, very dense. Associated scattered cedar. Cut in the late 1960's when access was available, before beaver flooding. Soil:Carbondale, Lupton, Tawas</p> |
| 31 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 15.1 | 90 | 81-110 | <p>Would be nice to treat if access is possible. All spp are at maximum age except for the cedar.</p> <p>OPIC - FMD: Mixed stand - lowground aspen, w birch with associated fair to good cedar. W birch component/inclusions. Scattered tag alder. N end of stand has mature aspen 10-12" dbh 6-7 sticks. Fir poletimber and understory. Stand has no access due to the area surrounded by creeks and series of beaver floodings. Soil: Carbondale, Lupton, Tawas</p> |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 32 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 115.5 | 90 | 51-80 | Fair to poor quality stand. Small dbh in many areas because of the high water table. There are many areas of all cedar. Areas with the other species have old stumps from past harvests. I don't think these areas could be treated without harvesting cedar. OPIC - FMD: overall low quality cedar 1-3 sticks. Moderately stocked fir and cedar saplings 3-10' tall. Associated b spruce, w birch and fir poletimber. Inclusions of better formed/quality cedar. Stand cond 8 SCA=deeryard timber Stand cond 7 Soil: Carbondale, Lupton, Tawas |
| 34 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Medium | 64.9 | 120 | 51-80 | Stand is doesn't have a tightly packed canopy. There are many areas of open with tag alder and cedar, other conifer. Very wet stand and multiply creek crossing and drains in the area. Would need a very cold winter to harvest. OPIC - FMD: R maple poletimber 10-16" dbh - very low quality. B ash and y birch poletimber. Tag alder and fir saplings (10-12') understory. SW edge of stand has A9 inclusion. Moderately stocked cedar component throughout the stand. Stand is on slightly higher ground, though still wet. Stand cond 8 SCA=deeryard timber Stand cond 6 Soil: Carbondale, Lupton, Tawas |
| 35 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 6.9 | 82 | 51-80 | Cedar is the only spp not dying out. OPIC - FMD: Well formed aspen 10-16" dbh 6-9 sticks. Tag alder, fir understory. Scattered cedar poletimber component. Scattered w birch, r maple, and b ash. Unfortunately inaccessible due to area being surrounded by creeks/drainages and extensive cedar swamp (deeryard). Great form to the aspen but showing mortality by windthrow. Stand cond 8 SCA=deeryard timber Stand cond 4 Soil: Carbondale, Lupton, Tawas |
| 37 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 114.0 | 72 | 141-170 | Old stumps, not sure when it was picked through. Cedar quality is fair. All spp are about at max age except for the cedar. Mostly wet ground. Old skid roads are filled in with ash and alder OPIC - FMD: Cedar 6-10" dbh 1-3 sticks. Fairly open understory - light tag alder and fir saplings 3-10' tall. Widely scattered w birch, w spruce, balm and r maple. Stand cond 8 SCA= deeryard timber Stand cond 7 Soil: Carbondale, Lupton, Tawas |
| 39 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Well | 55.9 | 72 | 81-110 | Patches of good quality cedar with higher BA in some places. With the amount of water not sure how to cut with out having BMP issues especially in the southern part of the stand. OPIC - FMD: Fir, r maple and tag alder. B ash and w birch component. Areas of good quality cedar. Multiple creeks/drainages. Narrow areas in west of the stand are/have experienced heavy windthrow. Soil: Carbondale, Lupton, Tawas |
| 40 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well | 31.0 | 13 | Immature | OPIC - FMD: stand regenerating to aspen and balm saplings 6-8' tall, r maple stump sprouts 6' tall. Associated raspberry in more open areas. Scattered fir residual saplings and cedar inclusions. Several areas are well stocked with cedar, especially at the N end of the stand. Tag alder present. First Creek South sale #018-99, completed 4/04. Soil: Carbondale, Lupton, Tawas |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|--|
| 41 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well | 12.7 | 13 | Immature | OPIC - FMD: stand regenerating to aspen and balm saplings 6-8' tall, r maple stump sprouts 6' tall. Associated raspberry in more open areas. Scattered fir residual saplings and cedar inclusions. Several areas are well stocked with cedar, especially at the N end of the stand. Tag alder present. First Creek South sale #018-99, completed 4/04. Soil: Carbondale, Lupton, Tawas |
| 42 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well | 6.7 | 13 | Immature | OPIC - FMD: stand regenerating to aspen and balm saplings 6-8' tall, r maple stump sprouts 6' tall. Associated raspberry in more open areas. Scattered fir residual saplings and cedar inclusions. Several areas are well stocked with cedar, especially at the N end of the stand. Tag alder present. First Creek South sale #018-99, completed 4/04. Soil: Carbondale, Lupton, Tawas |
| 43 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 3.1 | 65 | 51-80 | Stand is of fair quality. It is surrounded by beaver ponds, drains and pvt lands. Not sure how to access when it becomes merchantable. Fir is mainly in the SE corner. |
| 45 | 613 - Lowland Mixed Forest | Poletimber Medium | 68.9 | 87 | 1-50 | Old cut area from the 30's. Stand appears to have more trees coming in. OPIC - FMD: Expansive tag alder with swamp grass/cattails - high water table. Scattered inclusions of cedar and fir. Old clearcut area from the late 1930's. Soil: Hendrie mucky peat |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|----------------------------|-------|--------------|--|
| 3 | 622 - Lowland Shrub | 110.2 | No | The east side is starting to die out due to the high water table. OPIC - FMD: Expansive tag alder with swamp grass/cattails - high water table. Scattered inclusions of cedar and fir. Old clearcut area along the west side from the late 1930's. Soil: Hendrie mucky peat |
| 9 | 6229 - Mixed lowland shrub | 122.3 | No | OPIC - FMD: tag alder/willow along Sage River. Swamp grasses, scattered cedar, tamarack, b spruce. Occasional mixed lowland conifer inclusions. Multiple "oxbows" and river bends off of Sage Ditch. Stand cond 8 SCA=deeryard. Timber Stand cond 0 |
| 18 | 6232 - Wet Prairie | 7.4 | No | OPIC - FMD: powerline ROW - lowland grasses, small diam balm and tag alder. Stand cond 8 SCA=deeryard timber Stand cond 0 |
| 20 | 122 - Road/Parking Lot | 9.5 | No | OPIC - FMD: M - 28 and ROW |
| 25 | 622 - Lowland Shrub | 19.9 | No | There is now established small pockets of phragmites and giant hogweed . OPIC - FMD: tag alder/swamp openings. Series of old and active beaver ponds. Associated w birch saplings and red osier dogwood. Creeks, drainages, small ponds throughout. Widely scattered cedar poletimber (C4 low quality, stunted). Stand cond 8 SCA=deeryard timber Stand cond 0 Soil: Carbondale, Lupton, Tawas. |
| 28 | 500 - Water | 1.1 | No | OPIC - FMD: Beaver pond |
| 33 | 6229 - Mixed lowland shrub | 107.2 | No | OPIC - FMD: extensive tag alder. Stand was once well stocked to cedar, but has experienced heavy windthrow and water kill - area is flooded. Pockets of cedar saplings 5-10' tall, fir saplings 10-16' tall. Multiple creek channels and drainages throughout the stand - many old beaver floodings. Stand cond 8 SCA=deeryard timber Stand cond 2 Soil: Carbondale, Lupton, Tawas |
| 36 | 622 - Lowland Shrub | 26.2 | No | OPIC - FMD: tag alder along the Sage R. Stand cond 8 SCA= deeryard timber Stand cond 0 Soil: Carbondale, Lupton, Tawas |
| 38 | 622 - Lowland Shrub | 32.1 | No | OPIC - FMD: scattered tag alder and swamp grasses with multiple drainages. Scattered cedar inclusions and isolated trees. Stand cond 8 SCA=deeryard timber Stand cond 0. Soil: Carbondale, Lupton, Tawas |
| 44 | 622 - Lowland Shrub | 16.9 | No | The high water table will keep spp from becoming merchantable and able to harvest. OPIC - FMD: tag alder/swamp openings. Series of old and active beaver ponds. Associated w birch saplings and red osier dogwood. Creeks, drainages, small ponds throughout. Widely scattered cedar poletimber (C4 low quality, stunted). Stand cond 8 SCA=deeryard timber Stand cond 0 Soil: Carbondale, Lupton, Tawas. |