



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12027

Entry Year 2024

Acreage: 2,254

County Dickinson

Management Area: Ralph Ground Moraine

Stand Examiner: Andrew Church

Legal Description:

T43N R27W Sections 4, 5, 8-11, 13, 15, 16

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Protect the riparian areas and transition zones during management activity.

Soil and topography:

Soils are very poorly drained Cathro mucks with some areas of well drained fine sandy loams. The topography is mostly flat with small hills.

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

Blocks of private ownership are scattered within the compartment. Active forest management has occurred and will continue within and surrounding the compartment. Hunting is the main recreational use pattern.

Unique Natural Features:

None identified.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

Majority of compartment lies within the Obligate Deer Wintering Complex.

Watershed and Fisheries Considerations:

The northern region of this compartment is bordered by the North Branch Ford River. Bear Creek, a tributary to the North Branch Ford River also flows easterly through the southern region of this compartment.

The North Branch Ford River and Bear Creek are designated Type 1 trout streams and are less than 50' in width. 300' buffers are recommended for the North Branch Ford River and Bear Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The state-owned Buckler Road sand/gravel pit is in the compartment, in Section 5, and is currently leased to the Dickinson County Road Commission. There is some good potential for additional sand & gravel within the compartment on the upland drumlins. There has been no known ground-based metallic mineral exploration in this area, and the nearest past production is many miles away. Potential for metallic and critical minerals beneath the compartment is unknown but is considered low at this time. No current state mineral leasing activity exists in the compartment, though there is leasing activity four miles east. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Excellent road systems are in place throughout entire compartment. However, access to this road system is through private landowners. Many State forest poor dirt roads are also present.

Survey Needs:

Corners are needed adjacent to private lands.

Recreational Facilities and Opportunities:

None.

Fire Protection:

Felch Protection Area. Access for fire suppression in the more fire prone forest types is fairly good.

Additional Compartment Information:

The following reports from the Inventory are attached:

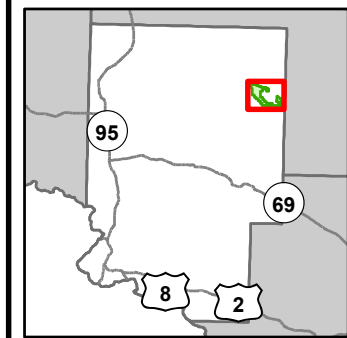
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

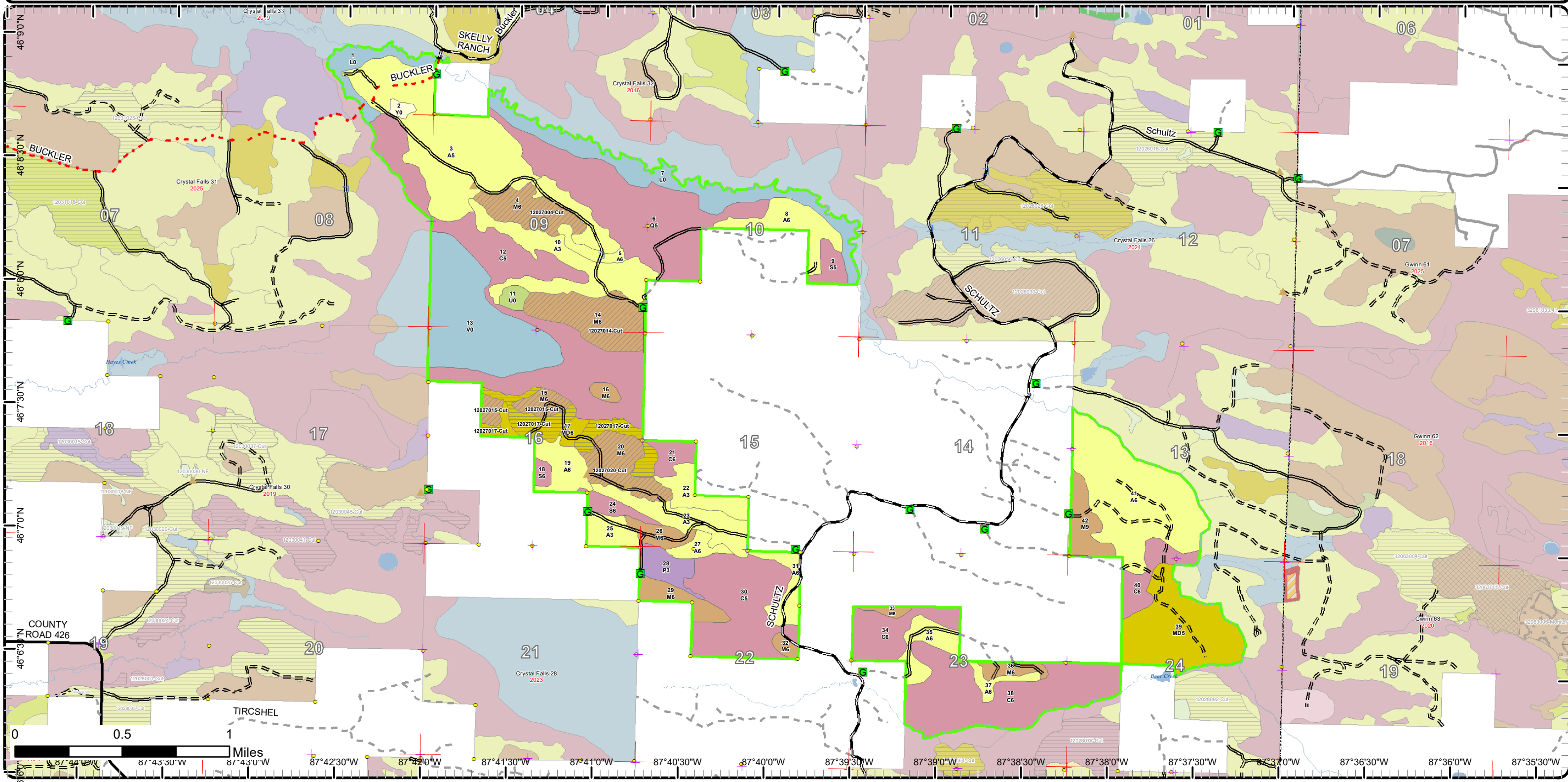
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 27
 T43N, R27W, Sec. 4, 5, 8-10, 13,
 15, 16, 22-24
 County: Dickinson
 Unit: Crystal Falls
 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2024
 Acres: 2253.9 GIS Calculated
 Examiner: Andrew Church
 Map Revised: 11/18/2022
 Map Phase: Post-Review

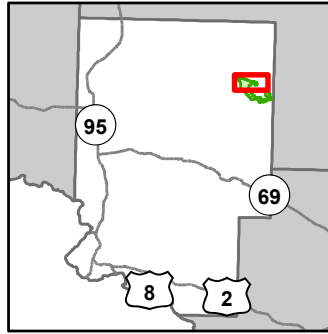


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- · - County - Gravel Road
- - - Private - Dirt / Gravel Road
- ▲ Berms
- G Gate
- ✕ Bridges
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 710 - Sand/Soil

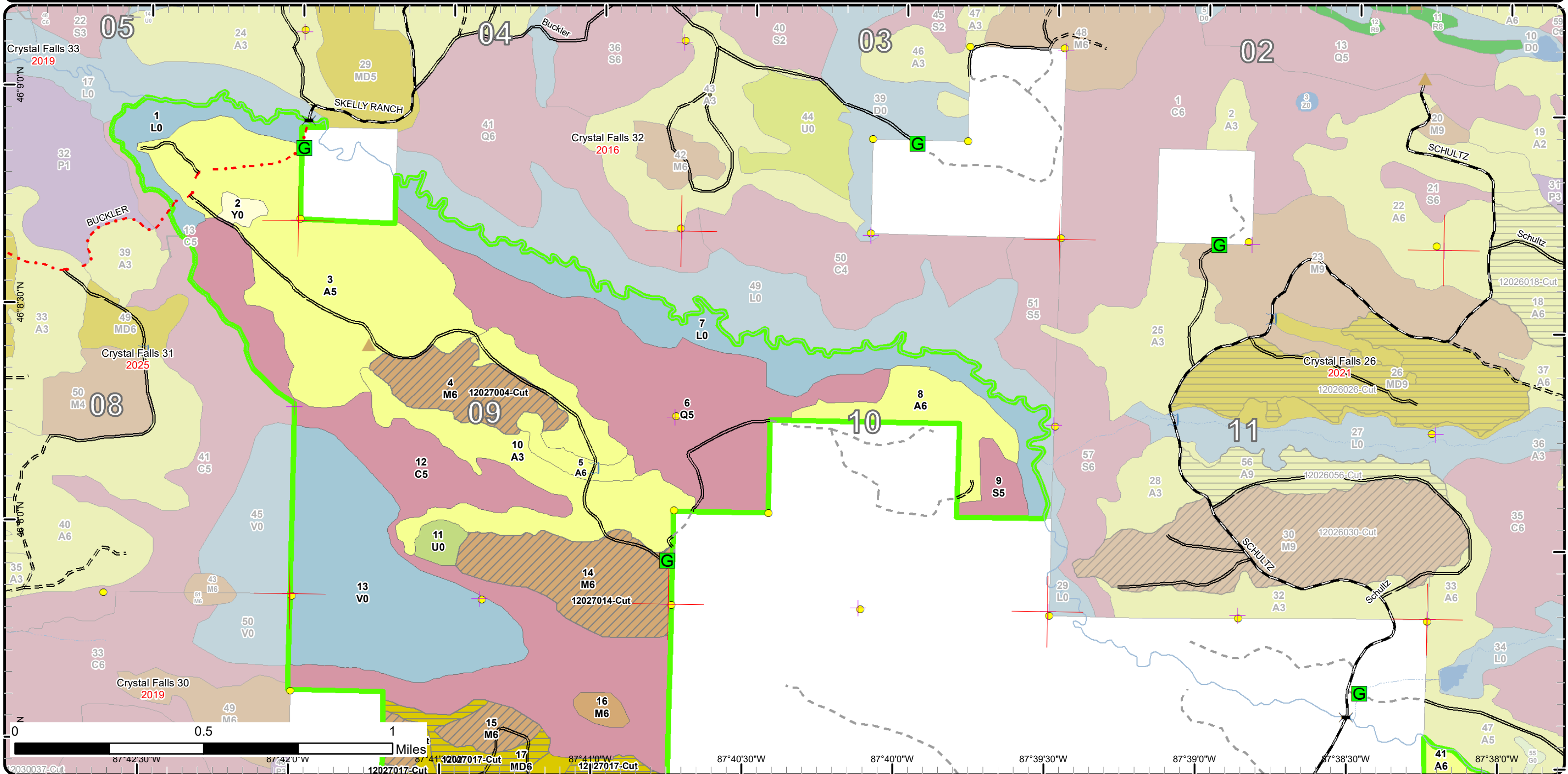


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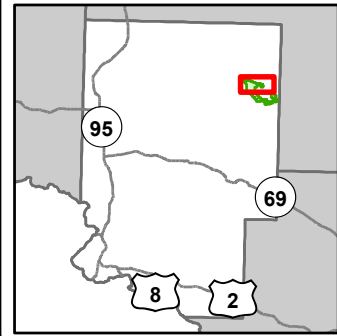


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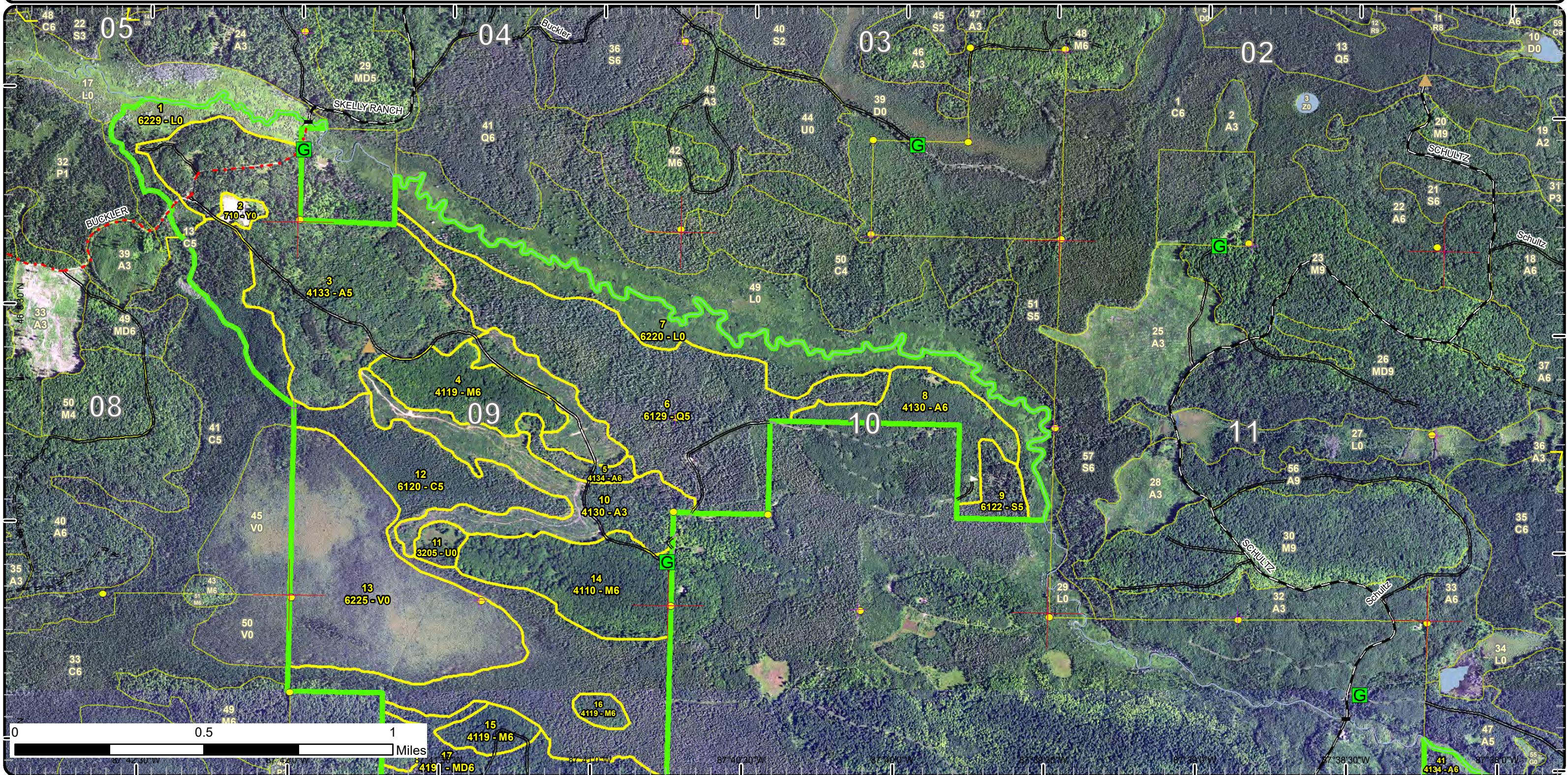


Stand Boundary Map

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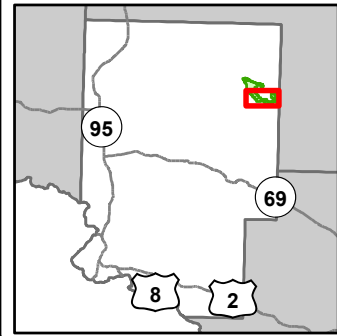


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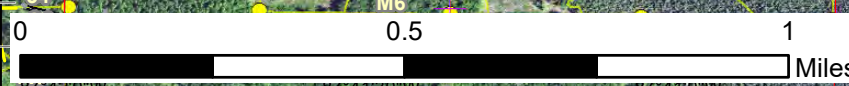
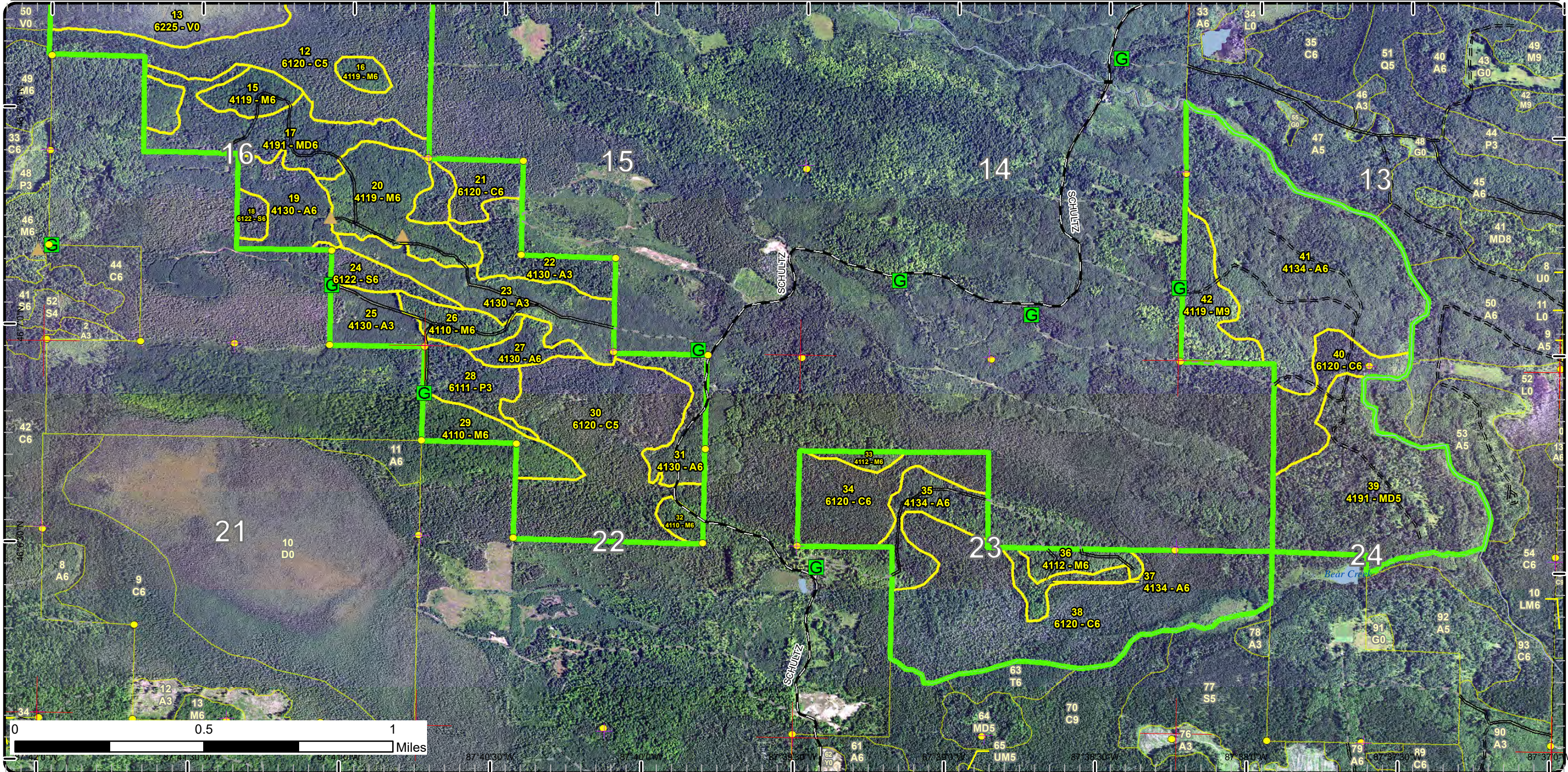


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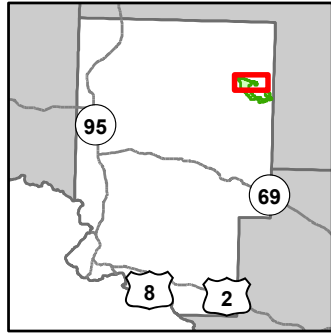
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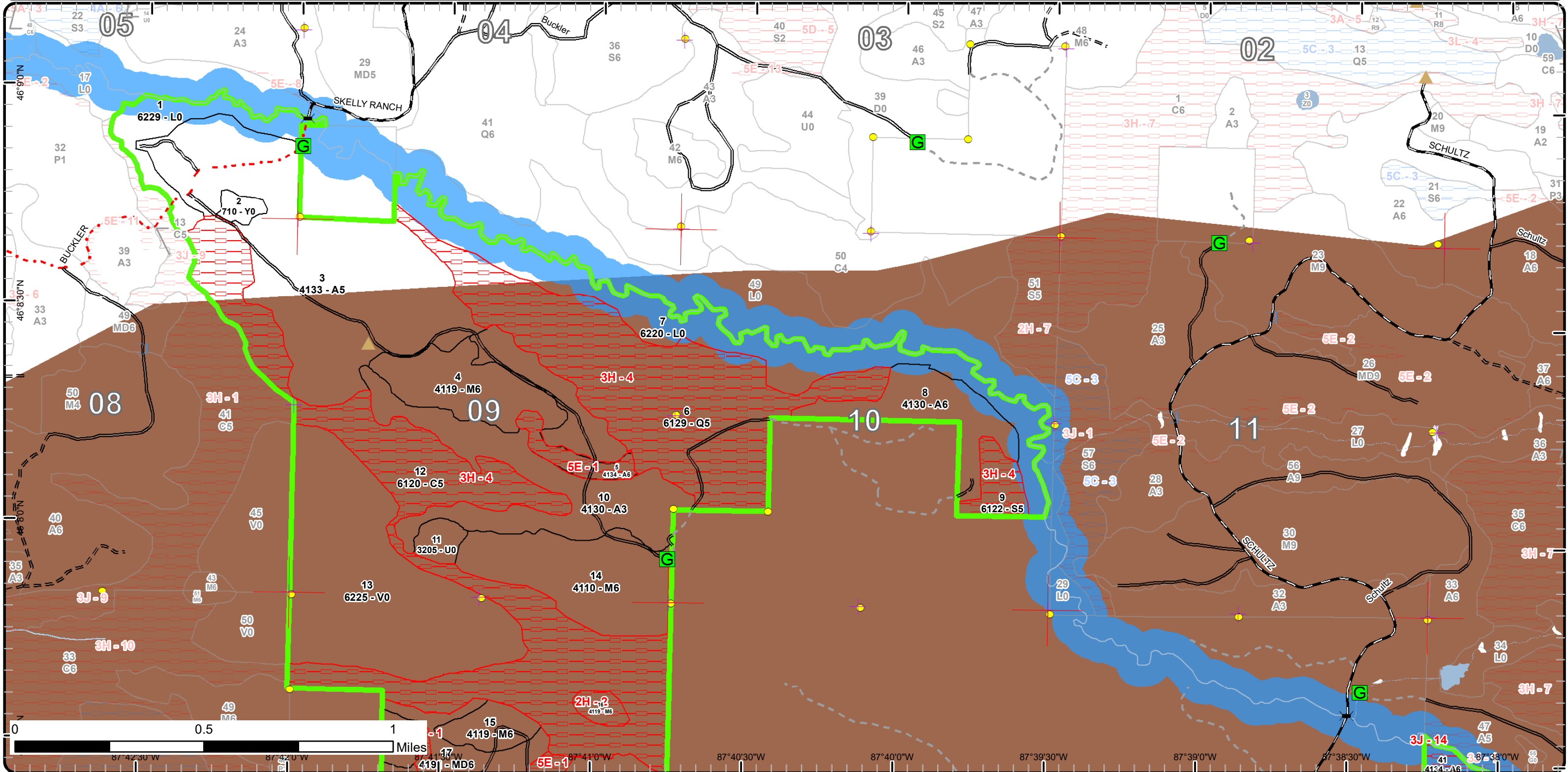
87° 40' 30" W 87° 40' 00" W 87° 39' 30" W 87° 39' 00" W 87° 38' 30" W 87° 38' 00" W 87° 37' 30" W 87° 37' 00" W

Special Conservation Areas

Compartment: 27
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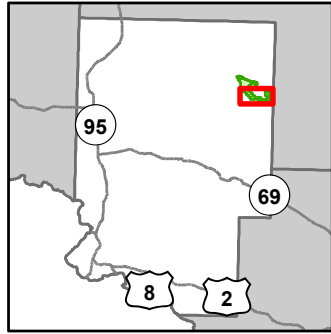


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- Lakes and Rivers
- Compartment Boundary
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range

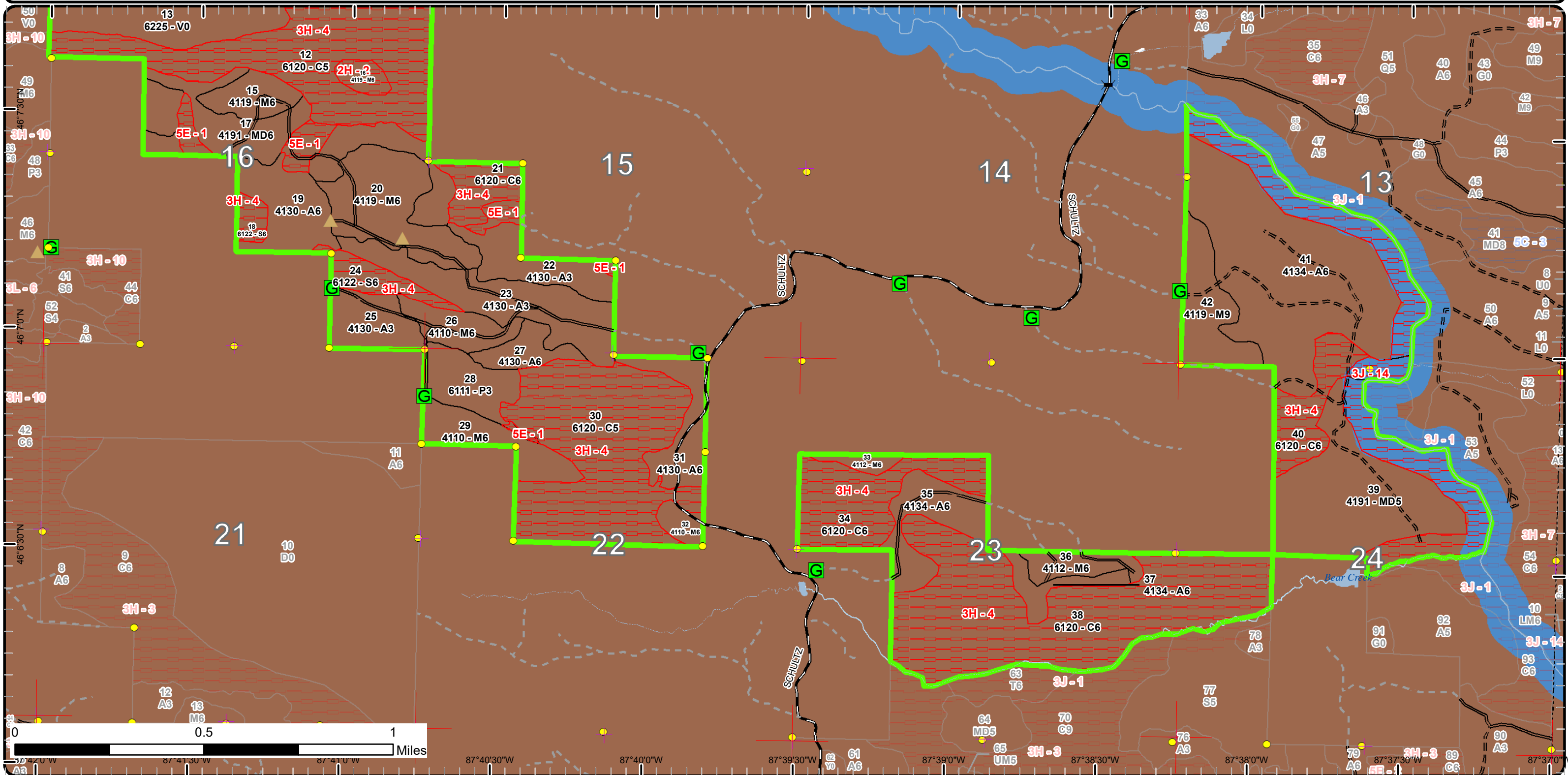


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- Cold Water Lakes
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Report 1 – Total Acres by Cover Type and Age Class



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+ | Unnever-Aged | Total |
|-----------------------------|------------|------------|-----------|------------|------------|------------|----------|-----------|-----------|------------|------------|------------|----------|----------|----------|----------|----------|--------------|-------------|
| Aspen | 0 | 133 | 69 | 223 | 224 | 38 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 698 |
| Bog | 151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 310 | 153 | 0 | 0 | 0 | 0 | 0 | 0 | 580 |
| Lowland Aspen/Balsam Poplar | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 177 |
| Lowland Shrub | 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 111 | 0 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 276 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 281 |
| Sand, Soil | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Upland Shrub | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Total | 288 | 156 | 69 | 223 | 224 | 149 | 0 | 78 | 36 | 117 | 763 | 153 | 0 | 0 | 0 | 0 | 0 | 0 | 2256 |



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 27
Total Compartment Acres: 2,254

Commercial Harvest - 233
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 |
|------------------------|-----------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Mixed Upland Deciduous | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 182 | 0 | 0 | 0 | 0 | 182 |
| Total | 51 | 0 | 0 | 0 | 182 | 0 | 0 | 0 | 0 | 233 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| Next Step | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 51 |
| Total | 233 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 285 |



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

Approved Treatments:

| | | | | | | | | | | | |
|---|--------------|------|------------------------------------|-------------------|----|-------------|---------|--------------|----------------------------|-----------|----|
| 4 | 12027004-Cut | 42.9 | 4119 - Mixed Northern Hardwoods | Poetimber Well | 95 | 111- 140 | Harvest | Low Thinning | 411 - Northern Hardwood | Even-Aged | No |
| <p><u>Prescription</u> Thin targeting 80 residual BA. Leave minor species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p> | | | | | | | | | | | |
| 14 | 12027014-Cut | 69.6 | 4110 - Sugar Maple Association | Poetimber Well | 94 | 111- 140 | Harvest | Low Thinning | 411 - Northern Hardwood | Even-Aged | No |
| <p><u>Prescription</u> Thin targeting 80 residual BA. Leave minor species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p> | | | | | | | | | | | |
| 15 | 12027015-Cut | 22.9 | 4119 - Mixed Northern Hardwoods | Poetimber Well | 94 | 111- 140 | Harvest | Low Thinning | 411 - Northern Hardwood | Even-Aged | No |
| <p><u>Prescription</u> Thin targeting 80 residual BA. Leave minor species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p> | | | | | | | | | | | |



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

| | | | | | | | | | | | |
|----|--------------|------|--|-----------------|----|---------|---------|-------------------------|-------------|-----------|----|
| 17 | 12027017-Cut | 51.3 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 63 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
|----|--------------|------|--|-----------------|----|---------|---------|-------------------------|-------------|-----------|----|

Prescription Final harvest using 4" spec. Leave Cedar, Pine and Hemlock.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Mixed Conifers, Mixed Hardwoods

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

| | | | | | | | | | | | |
|----|--------------|------|---------------------------------|-----------------|----|---------|---------|--------------|-------------------------|-----------|----|
| 20 | 12027020-Cut | 46.5 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 98 | 111-140 | Harvest | Low Thinning | 411 - Northern Hardwood | Even-Aged | No |
|----|--------------|------|---------------------------------|-----------------|----|---------|---------|--------------|-------------------------|-----------|----|

Prescription Thin targeting 80 residual BA. Leave minor species.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

Total Treatment Acreage Proposed: 233.2

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Andrew Church : Examiner

Compartment: 27
Year of Entry: 2024

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | |
|----------------|--------------------|----------------|---------------|-----------------------------|--------------------------|-----|----|----|
| | | With Condition | Not Available | | 2H | 3H | 3J | 5E |
| 698 | 645 | 0 | 53 | Aspen | | | 36 | 17 |
| 151 | 151 | 0 | 0 | Bog | | | | |
| 580 | 0 | 0 | 580 | Cedar | | 574 | 6 | 0 |
| 23 | 22 | 0 | 1 | Lowland Aspen/Balsam Poplar | | | | 1 |
| 177 | 0 | 0 | 177 | Lowland Conifers | | 177 | | 0 |
| 124 | 124 | 0 | 0 | Lowland Shrub | | | | |
| 28 | 0 | 0 | 28 | Lowland Spruce/Fir | | 28 | | |
| 174 | 127 | 0 | 48 | Mixed Upland Deciduous | | | 36 | 12 |
| 281 | 274 | 0 | 7 | Northern Hardwood | 6 | | | 0 |
| 5 | 5 | 0 | 0 | Sand, Soil | | | | |
| 8 | 8 | 0 | 0 | Upland Shrub | | | | |
| 2,248 | 1,355 | | 893 | Total Forested Acres | 6 | 779 | 77 | 30 |
| | 60% | | 40% | 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 | 5E: Long-Term Retention | 30 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small lowland pocket within retention area | | | | | | | |
| 2 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Unable to access small stand without harvesting Cedar in a deer yard. | | | | | | | |

Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Andrew Church : Examiner

Compartment: 27
Year of Entry: 2024

| | | | | | | | |
|--|-------------|---|-----|-------------|-------------|-------------|-------------|
| 4 | Unavailable | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 785 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Obligate Deer Winter Range | | | | | | | |
| 14 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 77 | 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. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

| | | | | | | | |
|---|----------------------------|------------|------|--|-------------|----|--|
| 1 | 6229 - Mixed lowland shrub | Nonstocked | 30.7 | | Unspecified | No | |
|---|----------------------------|------------|------|--|-------------|----|--|

| | | | | | | | |
|---|------------------|------------|-----|--|-------------|-----------------|--------------------------|
| 2 | 710 - Sand, Soil | Nonstocked | 5.0 | | Unspecified | Managed Opening | County Leased Gravel Pit |
|---|------------------|------------|-----|--|-------------|-----------------|--------------------------|

| | | | | | | | |
|---|--------------------------|-------------------|-------|----|-------------|-----|--|
| 3 | 4133 - Aspen, Mixed Pine | Poletimber Medium | 180.9 | 27 | Unspecified | N/A | Mixed stand of Supercanopy Pines with Aspen/Fir understory. Openings throughout stand. A couple 1972 planted Jack Pine pockets to South. Highly diverse stand. |
|---|--------------------------|-------------------|-------|----|-------------|-----|--|

| Canopy Species | | | | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | | Density | Avg. Height | Size |
|----------------|--|----|--------------|----|---------|------------|-----|-----|----------------------|--|--------|-------------|------------|-------------|------|
| Quaking Aspen | | 50 | Sapling/Pole | 4 | 27 | | | | Red Pine | | Low | 5 - 10 feet | Sapling | | |
| Jack Pine | | 5 | Pole | 6 | | | | | Ironwood | | Low | < 5 feet | Sapling | | |
| White Pine | | 20 | Pole/Log/Sap | 12 | | | | | Blackberry/Raspberry | | Medium | < 5 feet | Tall Shrub | | |
| Black Cherry | | 10 | Sapling/Pole | 3 | | | | | Hazelnut (Beaked) | | Low | 5 - 10 feet | Tall Shrub | | |
| Balsam Fir | | 15 | Pole/Sapling | 4 | | | | | Balsam Fir | | Low | 5 - 10 feet | Sapling | | |
| | | | | | | | | | White Pine | | Low | Variable | Sapling | | |

| | | | | | | | |
|---|---------------------------------|-----------------|------|----|---------|-----|--|
| 4 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 42.9 | 95 | 111-140 | N/A | |
|---|---------------------------------|-----------------|------|----|---------|-----|--|

| Canopy Species | | | | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | | Density | Avg. Height | Size |
|----------------|--|----|----------|----|---------|------------|-----|-----|----------------------|--|--------|----------|------------|-------------|------|
| Basswood | | 10 | Pole/Log | 10 | | | | | Blackberry/Raspberry | | Low | < 5 feet | Tall Shrub | | |
| Paper Birch | | 10 | Pole | 6 | | | | | Sugar Maple | | Low | Variable | Sapling | | |
| Quaking Aspen | | 10 | Pole/Log | 10 | | | | | Leatherwood | | Medium | < 5 feet | Tall Shrub | | |
| Black Cherry | | 15 | Pole | 8 | | | | | | | | | | | |
| Ironwood | | 5 | Pole | 6 | | | | | | | | | | | |
| Sugar Maple | | 50 | Pole | 8 | 95 | | | | | | | | | | |

| | | | | | | | |
|---|--------------------------|-----------------|------|----|-------------|-----|---------------------------------|
| 5 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 11.4 | 75 | Unspecified | N/A | Retention for adjacent harvest. |
|---|--------------------------|-----------------|------|----|-------------|-----|---------------------------------|

| Canopy Species | | | | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | | Density | Avg. Height | Size |
|----------------|--|----|--------------|----|---------|------------|-----|-----|--------------------|--|--------|-------------|------------|-------------|------|
| White Pine | | 5 | Log | 14 | | | | | Black Ash | | Low | < 5 feet | Sapling | | |
| Black Ash | | 5 | Pole/Sapling | 5 | | | | | Tag Alder | | Low | 5 - 10 feet | Tall Shrub | | |
| Sugar Maple | | 10 | Pole | 6 | | | | | Balsam Fir | | Medium | Variable | Pole | | |
| Black Cherry | | 5 | Pole | 5 | | | | | | | | | | | |
| Balsam Fir | | 20 | Pole/Sapling | 6 | | | | | | | | | | | |
| Paper Birch | | 15 | Pole | 6 | | | | | | | | | | | |
| Quaking Aspen | | 40 | Pole/Log | 11 | 75 | | | | | | | | | | |

| | | | | | | | |
|---|--|-------------------|-------|----|-------------|-----|--|
| 6 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Medium | 176.8 | 91 | Unspecified | N/A | Patchy. Pockets of Tamarack, pockets of Cedar, pockets of Spruce, pockets of Tag Alder. Some supercanopy White Pines found throughout. |
|---|--|-------------------|-------|----|-------------|-----|--|

| Canopy Species | | | | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | | Density | Avg. Height | Size |
|----------------------|--|----|--------------|----|---------|------------|-----|-----|--------------------|--|--------|-------------|------------|-------------|------|
| Northern White Cedar | | 40 | Pole | 5 | 91 | | | | Tamarack | | Medium | Variable | Sapling | | |
| Tamarack | | 25 | Pole | 6 | | | | | Tag Alder | | High | 5 - 10 feet | Tall Shrub | | |
| White Pine | | 10 | XLog | 20 | | | | | Black Spruce | | High | Variable | Sapling | | |
| Black Spruce | | 25 | Pole/Sapling | 5 | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|-------------------|------------|------------|-------------|--------------|---|-----|--------------|----|----|--|----|--------------------|---------|-------------|---------------|-----------|--------------|-------------|------------|--|--------|--------------------|----------|-------------|---|----------------------|--------------------|-------------|-------------|--|-----------|--------------------|-------------|-------------|--------------|-------------|----------|------------|---------|-------------|---------|----------|------------|
| 7 | 6220 - Alder/willow | Nonstocked | 93.2 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 4130 - Aspen | Poletimber Well | 41.5 | 29 | Unspecified | N/A | Pockets of Tamarack regen where wet. Small upland shrub opening to North. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td> <td>75</td> <td>Sapling/Pole</td> <td>4</td> <td>29</td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 75 | Sapling/Pole | 4 | 29 | Tamarack | 10 | Sapling | 3 | | Balsam Poplar | 15 | Sapling/Pole | 4 | | <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>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 75 | Sapling/Pole | 4 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 10 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Poplar | 15 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 6122 - Black Spruce | Poletimber Medium | 14.7 | 65 | Unspecified | N/A | More Spruce to North. Cedar strip along South. Stand is not mature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>5</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>25</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>65</td> <td>Pole/Sapling</td> <td>5</td> <td>65</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Paper Birch | 5 | Pole | 5 | | Northern White Cedar | 25 | Sapling/Pole | 4 | | Tamarack | 5 | Pole | 6 | | Black Spruce | 65 | Pole/Sapling | 5 | 65 | <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>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Tag Alder | High | 5 - 10 feet | Tall Shrub | Black Spruce | Medium | Variable | Sapling | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 5 | Pole | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 25 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 5 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 65 | Pole/Sapling | 5 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | High | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 4130 - Aspen | Sapling Well | 103.4 | 5 | Immature | N/A | Harvested 2017. Scattered supercanopy conifers found throughout. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 100 | Sapling | 1 | 5 | <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>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Bracken Fern</td> <td>Medium</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Tag Alder | Low | 5 - 10 feet | Tall Shrub | Bracken Fern | Medium | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 100 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bracken Fern | Medium | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 3205 - Mixed Upland Shrub | Nonstocked | 7.9 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 6120 - Lowland Cedar | Poletimber Medium | 215.6 | 98 | Unspecified | N/A | Pockets of mature trees mostly along transition zone to upland areas. Small diameters within the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Northern White Cedar</td> <td>55</td> <td>Pole</td> <td>6</td> <td>98</td> </tr> <tr> <td>Tamarack</td> <td>20</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>25</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Northern White Cedar | 55 | Pole | 6 | 98 | Tamarack | 20 | Pole/Sapling | 5 | | Black Spruce | 25 | Pole | 6 | | <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>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Leatherleaf</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Tamarack</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Tag Alder | Medium | 5 - 10 feet | Tall Shrub | Leatherleaf | High | < 5 feet | Tall Shrub | Tamarack | High | 5 - 10 feet | Sapling | Balsam Fir | High | 5 - 10 feet | Sapling | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 55 | Pole | 6 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 20 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 25 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leatherleaf | High | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | High | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 6225 - Bog | Nonstocked | 150.7 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 4110 - Sugar Maple Association | Poletimber Well | 69.6 | 94 | 111-140 | N/A | Western portion more open grown. Steep along south line. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 60 | Pole/Log | 10 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 20 | Pole/Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 5 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 10 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 5 | Pole/Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leatherwood | Medium | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

| | | | | | | | |
|-----------------------|---------------------------------|-----------------|-------------------|------------|------------|---------------------------|--|
| 15 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 22.9 | 94 | 111-140 | N/A | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Sugar Maple | | 60 | Pole/Log | 10 | 94 | Leatherwood | |
| Paper Birch | | 15 | Pole | 8 | | Medium | |
| White Spruce | | 5 | Log | 14 | | Density | |
| Ironwood | | 5 | Pole | 6 | | Avg. Height | |
| Quaking Aspen | | 15 | Log/Pole | 12 | | Size | |
| | | | | | | Sugar Maple | |
| | | | | | | Low | |
| | | | | | | Variable | |
| | | | | | | Sapling | |

| | | | | | | | |
|-----------------------|---------------------------------|-----------------|-------------------|------------|------------|---------------------------|------------------------------------|
| 16 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 6.5 | 98 | 111-140 | N/A | Scattered supercanopy White Pines. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Sugar Maple | | 45 | Pole/Log/Sap | 8 | 98 | Ironwood | |
| Quaking Aspen | | 10 | Log | 14 | | Low | |
| Basswood | | 5 | Pole | 8 | | Density | |
| Paper Birch | | 5 | Pole | 8 | | Avg. Height | |
| Northern White Cedar | | 10 | Pole/Log | 11 | | Size | |
| White Pine | | 5 | XLog | 24 | | Sugar Maple | |
| Red Maple | | 15 | Log | 12 | | Medium | |
| Ironwood | | 5 | Pole | 6 | | Density | |
| | | | | | | Avg. Height | |
| | | | | | | Size | |
| | | | | | | Leatherwood | |
| | | | | | | Medium | |
| | | | | | | < 5 feet | |
| | | | | | | Tall Shrub | |

| | | | | | | | |
|-----------------------|--|-----------------|-------------------|------------|------------|---------------------------|---|
| 17 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 63.1 | 63 | 111-140 | N/A | Great recruitment in understory of Red and Sugar maple. Mix of upland and lowland. Most of Aspen on upland areas of stand or in transition zones to swamp. Black Ash and Cedar in wetter spots. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| White Spruce | | 10 | Log | 14 | | Hazelnut (Beaked) | |
| Black Ash | | 20 | Pole | 8 | | Low | |
| Basswood | | 5 | Log | 12 | | Density | |
| Northern White Cedar | | 10 | Pole/Log | 10 | | Avg. Height | |
| Sugar Maple | | 10 | Pole | 6 | | Size | |
| Balsam Poplar | | 10 | Log | 12 | | Red Maple | |
| Quaking Aspen | | 25 | Pole | 6 | 63 | Medium | |
| Balsam Fir | | 10 | Pole/Sapling | 6 | | Variable | |
| | | | | | | Sapling | |
| | | | | | | Tag Alder | |
| | | | | | | Low | |
| | | | | | | 5 - 10 feet | |
| | | | | | | Tall Shrub | |
| | | | | | | Black Ash | |
| | | | | | | Medium | |
| | | | | | | < 5 feet | |
| | | | | | | Sapling | |
| | | | | | | Sugar Maple | |
| | | | | | | Medium | |
| | | | | | | Variable | |
| | | | | | | Sapling | |

| | | | | | | | |
|-----------------------|---------------------|-----------------|-------------------|------------|-------------|---------------------------|--|
| 18 | 6122 - Black Spruce | Poletimber Well | 6.0 | 75 | Unspecified | N/A | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Balsam Poplar | | 20 | Pole | 8 | | Tag Alder | |
| Black Spruce | | 50 | Pole | 6 | 75 | Medium | |
| Tamarack | | 30 | Pole | 6 | | Density | |
| | | | | | | Avg. Height | |
| | | | | | | Size | |
| | | | | | | Tamarack | |
| | | | | | | Medium | |
| | | | | | | Variable | |
| | | | | | | Sapling | |
| | | | | | | Balsam Fir | |
| | | | | | | Medium | |
| | | | | | | Variable | |
| | | | | | | Sapling | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

| | | | | | | | |
|-----------------------|--------------|-----------------|-------------------|------------|-------------|---------------------------|---------------------------------|
| 19 | 4130 - Aspen | Poletimber Well | 28.6 | 31 | Unspecified | N/A | Tamarack regen in wetter spots. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Quaking Aspen | | 100 | Pole/Sapling | 5 | 31 | Balsam Fir | Sapling |
| | | | | | | Ironwood | Sapling |
| | | | | | | Blackberry/Raspberry | Tall Shrub |
| | | | | | | Tamarack | Sapling |

| | | | | | | | |
|-----------------------|---------------------------------|-----------------|-------------------|------------|------------|---------------------------|------------|
| 20 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 46.5 | 98 | 111-140 | N/A | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Basswood | | 10 | Log | 12 | | Sugar Maple | Sapling |
| White Ash | | 5 | Pole | 10 | | Ironwood | Sapling |
| Paper Birch | | 10 | Pole | 8 | | Leatherwood | Tall Shrub |
| Quaking Aspen | | 10 | Pole/Log | 12 | | | |
| White Spruce | | 5 | Log | 14 | | | |
| Northern White Cedar | | 5 | Log | 14 | | | |
| Balsam Fir | | 5 | Pole/Sapling | 6 | | | |
| Sugar Maple | | 50 | Pole | 8 | 98 | | |

| | | | | | | | |
|-----------------------|----------------------|-----------------|-------------------|------------|-------------|---------------------------|------------|
| 21 | 6120 - Lowland Cedar | Poletimber Well | 16.7 | 98 | Unspecified | N/A | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Black Spruce | | 20 | Pole | 6 | | Balsam Fir | Sapling |
| Tamarack | | 20 | Pole/Sapling | 5 | | Tag Alder | Tall Shrub |
| Northern White Cedar | | 60 | Pole | 6 | 98 | Tamarack | Sapling |

| | | | | | | | |
|-----------------------|--------------|----------------|-------------------|------------|------------|-----|-------------------------------|
| 22 | 4130 - Aspen | Sapling Well | 29.3 | 5 | Immature | N/A | Cut 2018 Willcome Home 018-15 |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Quaking Aspen | | 65 | Sapling | 1 | 5 | | |
| Northern White Cedar | | 5 | Pole/Log | 10 | | | |
| Balsam Poplar | | 20 | Sapling | 1 | | | |
| Red Maple | | 10 | Sapling | 1 | | | |

| | | | | | | | |
|-----------------------|--------------|----------------|-------------------|------------|-------------|---------------------------|--------------------------------|
| 23 | 4130 - Aspen | Sapling Well | 47.6 | 16 | Unspecified | N/A | Tamarack regen in wetter areas |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Quaking Aspen | | 100 | Sapling | 3 | 16 | Balsam Fir | Sapling |
| | | | | | | Tamarack | Sapling |
| | | | | | | Blackberry/Raspberry | Tall Shrub |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|-----------------------|--------------------------------|-----------------|-------------------|------------|-------------|---------------------------|-----------------------------------|--------------------|-------------|
| 24 | 6122 - Black Spruce | Poletimber Well | 13.6 | 75 | Unspecified | N/A | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Black Spruce | | 50 | Pole | 6 | 75 | Balsam Fir | Medium | Variable | Sapling |
| Tamarack | | 30 | Pole | 6 | | Tag Alder | Medium | 5 - 10 feet | Tall Shrub |
| Balsam Poplar | | 20 | Pole | 8 | | Tamarack | Medium | Variable | Sapling |
| 25 | 4130 - Aspen | Sapling Well | 21.0 | 16 | Unspecified | N/A | Tamarack regen in wetter areas. | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Quaking Aspen | | 100 | Sapling | 3 | 16 | Tamarack | Low | 10 - 20 feet | Sapling |
| | | | | | | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub |
| | | | | | | Balsam Fir | Low | 5 - 10 feet | Sapling |
| 26 | 4110 - Sugar Maple Association | Poletimber Well | 16.3 | 94 | 81-110 | N/A | Thinned 2006 | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Red Maple | | 5 | Pole | 8 | | Sugar Maple | Low | Variable | Sapling |
| Basswood | | 15 | Pole/Log | 10 | | Leatherwood | Medium | < 5 feet | Tall Shrub |
| Sugar Maple | | 75 | Pole | 8 | 94 | Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub |
| Paper Birch | | 5 | Pole | 6 | | | | | |
| 27 | 4130 - Aspen | Poletimber Well | 12.4 | 37 | Unspecified | N/A | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Quaking Aspen | | 100 | Pole/Sapling | 6 | 37 | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub |
| | | | | | | Balsam Fir | Low | < 5 feet | Sapling |
| 28 | 6111 - Lowland Balsam Poplar | Sapling Well | 22.9 | 5 | Immature | N/A | Willcome Home TS 018-15 Cut 2018. | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | | |
| Black Ash | | 30 | Sapling | 1 | | | | | |
| Balsam Poplar | | 50 | Sapling | 1 | 5 | | | | |
| Quaking Aspen | | 20 | Sapling | 1 | | | | | |
| 29 | 4110 - Sugar Maple Association | Poletimber Well | 23.1 | 94 | 81-110 | N/A | Thinned 2006 | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Basswood | | 15 | Pole/Log | 10 | | Sugar Maple | Low | Variable | Sapling |
| Paper Birch | | 5 | Pole | 6 | | Leatherwood | Medium | < 5 feet | Tall Shrub |
| Red Maple | | 5 | Pole | 8 | | Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub |
| Sugar Maple | | 75 | Pole | 8 | 94 | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

| 30 | 6120 - Lowland Cedar | Poletimber Medium | 117.3 | 81 | Unspecified | N/A | A few supercanopy White Pines throughout. Pockets of spruce, pockets of Cedar. Cedar mostly 2-3 sticks. Portions of Stand were cut in 1940s. | | | |
|----------------------|----------------------|-------------------|------------|-----|-------------|--------------------|--|---------|-------------|------------|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Northern White Cedar | | 60 | Pole | 8 | 81 | Black Spruce | | High | Variable | Sapling |
| Tamarack | | 15 | Pole | 6 | | Tag Alder | | High | 5 - 10 feet | Tall Shrub |
| White Pine | | 5 | XLog | 18 | | Balsam Fir | | High | Variable | Sapling |
| Black Spruce | | 20 | Pole | 5 | | | | | | |

| 31 | 4130 - Aspen | Poletimber Well | 23.2 | 37 | Unspecified | N/A | Some supercanopy Pines scattered throughout. More mature trees along North line. | | | |
|----------------|--------------|-----------------|--------------|-----|-------------|--------------------|--|---------|-------------|------------|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Red Pine | | 5 | Log | 14 | | Balsam Fir | | Low | 5 - 10 feet | Sapling |
| Quaking Aspen | | 85 | Pole/Sapling | 6 | 37 | White Spruce | | Low | 5 - 10 feet | Sapling |
| Balsam Fir | | 10 | Pole/Sapling | 6 | | Ironwood | | Low | 5 - 10 feet | Sapling |
| | | | | | | Hazelnut (Beaked) | | Low | 5 - 10 feet | Tall Shrub |

| 32 | 4110 - Sugar Maple Association | Poletimber Well | 6.2 | 94 | 81-110 | N/A | Thinned 2006 | | | |
|----------------|--------------------------------|-----------------|------------|-----|--------|----------------------|--------------|---------|-------------|------------|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Red Maple | | 5 | Pole | 8 | | Sugar Maple | | Low | Variable | Sapling |
| Basswood | | 15 | Pole/Log | 10 | | Blackberry/Raspberry | | Medium | < 5 feet | Tall Shrub |
| Sugar Maple | | 75 | Pole | 8 | 94 | Leatherwood | | Medium | < 5 feet | Tall Shrub |
| Paper Birch | | 5 | Pole | 6 | | | | | | |

| 33 | 4112 - Maple, Beech, Cherry Association | Poletimber Well | 5.0 | 78 | 81-110 | N/A | | | | |
|----------------------|---|-----------------|------------|-----|--------|--------------------|--|---------|-------------|------------|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Sugar Maple | | 65 | Pole | 6 | 78 | Ironwood | | Low | Variable | Sapling |
| Red Maple | | 20 | Pole | 8 | | Sugar Maple | | Low | Variable | Sapling |
| Northern White Cedar | | 10 | Log | 14 | | Leatherwood | | Low | < 5 feet | Tall Shrub |
| Balsam Fir | | 5 | Pole | 6 | | | | | | |

| 34 | 6120 - Lowland Cedar | Poletimber Well | 46.7 | 94 | Unspecified | N/A | | | | |
|----------------------|----------------------|-----------------|--------------|-----|-------------|--------------------|--|---------|-------------|------------|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Balsam Fir | | 15 | Pole/Sapling | 6 | | Black Spruce | | Medium | Variable | Sapling |
| Black Spruce | | 10 | Pole/Sapling | 6 | | Tag Alder | | High | 5 - 10 feet | Tall Shrub |
| Northern White Cedar | | 65 | Pole | 8 | 94 | Balsam Fir | | High | Variable | Sapling |
| Tamarack | | 10 | Pole/Sapling | 6 | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

35 4134 - Aspen, Spruce/Fir Poletimber Well 27.5 41 Unspecified N/A Mix of Aspen/Fir/Spruce

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|----------------------|---------|--------------|------------|
| Quaking Aspen | 40 | Pole | 6 | 41 | Balsam Fir | Medium | Variable | Sapling |
| Balsam Poplar | 20 | Pole | 6 | | Black Cherry | Low | 10 - 20 feet | Sapling |
| White Spruce | 20 | Pole | 6 | | White Spruce | Medium | Variable | Sapling |
| Balsam Fir | 20 | Pole | 6 | | Paper Birch | Low | 10 - 20 feet | Sapling |
| | | | | | Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub |
| | | | | | Quaking Aspen | Medium | Variable | Sapling |

36 4112 - Maple, Beech, Cherry Association Poletimber Well 12.5 97 81-110 N/A Access through private.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|--------------|-----|-----|--------------------|---------|-------------|------------|
| Red Maple | 20 | Pole/Log | 10 | | Sugar Maple | Low | Variable | Sapling |
| Yellow Birch | 5 | Pole | 6 | | Balsam Fir | Low | Variable | Sapling |
| Basswood | 5 | Pole | 8 | | Leatherwood | Medium | < 5 feet | Tall Shrub |
| Paper Birch | 5 | Pole | 6 | | | | | |
| Sugar Maple | 65 | Pole/Log/Sap | 8 | 97 | | | | |

37 4134 - Aspen, Spruce/Fir Poletimber Well 10.9 40 Unspecified N/A

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|--------------|-----|-----|----------------------|---------|-------------|------------|
| Paper Birch | 15 | Pole/Sapling | 5 | | Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub |
| Quaking Aspen | 45 | Pole/Sapling | 6 | 40 | Balsam Fir | Medium | Variable | Sapling |
| Balsam Fir | 40 | Pole/Sapling | 6 | | White Spruce | Low | Variable | Sapling |
| | | | | | Ironwood | Low | Variable | Sapling |
| | | | | | Black Spruce | Low | Variable | Sapling |

38 6120 - Lowland Cedar Poletimber Well 152.9 108 Unspecified N/A

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|--------------|-----|-----|--------------------|---------|-------------|------------|
| Black Spruce | 15 | Pole/Log/Sap | 8 | | Tamarack | Medium | Variable | Sapling |
| Northern White Cedar | 70 | Pole/Log | 8 | 108 | Tag Alder | High | 5 - 10 feet | Tall Shrub |
| Tamarack | 15 | Pole/Log/Sap | 8 | | Balsam Fir | Medium | Variable | Sapling |

39 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 111.0 45 81-110 N/A

Stand is very diverse and patchy. Small upland openings throughout. Trees slowly filling in these openings. Isolated small pockets of mixed hardwoods. Some scattered supercanopy pines and Cedars. Aspen very healthy. Drainage in SW portion of stand.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|--------------|-----|-----|----------------------|---------|-------------|------------|
| Balsam Poplar | 13 | Pole/Sapling | 6 | | White Spruce | Medium | >20 feet | Sapling |
| Balsam Fir | 30 | Pole/Sapling | 6 | | Quaking Aspen | Medium | >20 feet | Sapling |
| White Pine | 5 | XLog | 16 | | Balsam Fir | Medium | >20 feet | Sapling |
| Sugar Maple | 10 | Log/Pole | 12 | | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub |
| Basswood | 5 | Log | 14 | | | | | |
| Northern White Cedar | 2 | Log | 14 | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

| | | | | | | | | | | |
|-----------------------|----------------------|-----------------|-------------------|------------|-------------|---------------------------|--|----------------|--------------------|-------------|
| 40 | 6120 - Lowland Cedar | Poletimber Well | 30.5 | 97 | Unspecified | N/A | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Tamarack | | 20 | Pole/Log/Sap | 8 | | Balsam Fir | | High | Variable | Sapling |
| Black Spruce | | 20 | Pole/Sapling | 6 | | Tamarack | | Medium | Variable | Sapling |
| Northern White Cedar | | 60 | Pole/Log | 10 | 97 | Tag Alder | | High | 5 - 10 feet | Tall Shrub |
| | | | | | | Black Spruce | | Medium | Variable | Sapling |

| | | | | | | | | | | |
|-----------------------|--------------------------|-----------------|-------------------|------------|-------------|---------------------------|---|----------------|--------------------|-------------|
| 41 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 159.9 | 37 | Unspecified | N/A | Very healthy Aspen stand. Good stocking and vigor. Tamarack and Alder in lowland areas. Cedar pocket in NW corner of stand. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Quaking Aspen | | 60 | Pole/Sapling | 5 | 37 | Paper Birch | | Low | 5 - 10 feet | Sapling |
| Balsam Fir | | 10 | Pole/Sapling | 5 | | White Spruce | | Medium | < 5 feet | Sapling |
| White Spruce | | 10 | Pole/Sapling | 5 | | Tag Alder | | Low | 5 - 10 feet | Tall Shrub |
| Black Spruce | | 5 | Sapling/Pole | 4 | | | | | | |
| Paper Birch | | 5 | Sapling/Pole | 4 | | | | | | |
| Tamarack | | 5 | Sapling/Pole | 4 | | | | | | |
| Northern White Cedar | | 5 | Pole | 7 | | | | | | |

| | | | | | | | | | | |
|-----------------------|---------------------------------|----------------|-------------------|------------|------------|---------------------------|-------------------------|----------------|--------------------|-------------|
| 42 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 29.4 | 99 | 81-110 | N/A | Access through private. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Yellow Birch | | 15 | Pole | 8 | | Sugar Maple | | Low | Variable | Sapling |
| White Spruce | | 3 | Log | 14 | | Ironwood | | High | Variable | Sapling |
| Northern White Cedar | | 2 | Log | 14 | | Leatherwood | | High | < 5 feet | Tall Shrub |
| White Pine | | 2 | XLog | 18 | | | | | | |
| Quaking Aspen | | 5 | Pole | 8 | | | | | | |
| Sugar Maple | | 73 | Log/Pole | 12 | 99 | | | | | |