



# Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12063

Entry Year 2022

Acreage: 1,810

County Dickinson

Management Area: Ralph Ground Moraine

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**Revision Date:** 2020-05-01

**Stand Examiner:** Deb Goupell

**Legal Description:**

T43N R28W Sec 34-36

T42N R28W Sec 1-4

**Identified Planning Goals:**

Manage for best tree species based on Kotar habitat recommendations. Maintain a sustainable, healthy forest with diversity. Optimize sustainable timber production while enhancing and protecting wildlife habitat. Continue to sustainably balance the aspen age class acres. Protect the riparian areas and transition zones during management activity.

**Soil and topography:**

Swamps are relatively flat to rolling hills in uplands.

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

Compartment is surrounded by private land with some private parcels intermixed.

**Unique Natural Features:**

**Archeological, Historical, and Cultural Features:**

None

**Special Management Designations or Considerations:**

Some winter deer range areas

**Watershed and Fisheries Considerations:**

This compartment borders the Ford River which is designated a Type 1 trout stream less than 50' width. A 300' buffer is recommended for the Ford River 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**

**Vehicle Access:**

Lantz Road is a county road that access through the center of compartment; various state forest roads also provide additional access.

**Survey Needs:**

Some will be needed

**Recreational Facilities and Opportunities:**

Hunting, ATV riding, trapping are popular around this compartment.

**Fire Protection:**

Felch protection area.

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

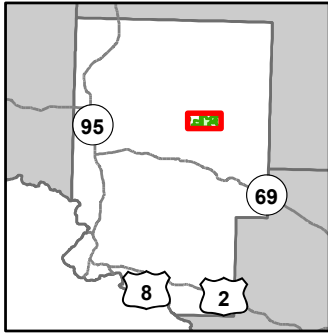
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

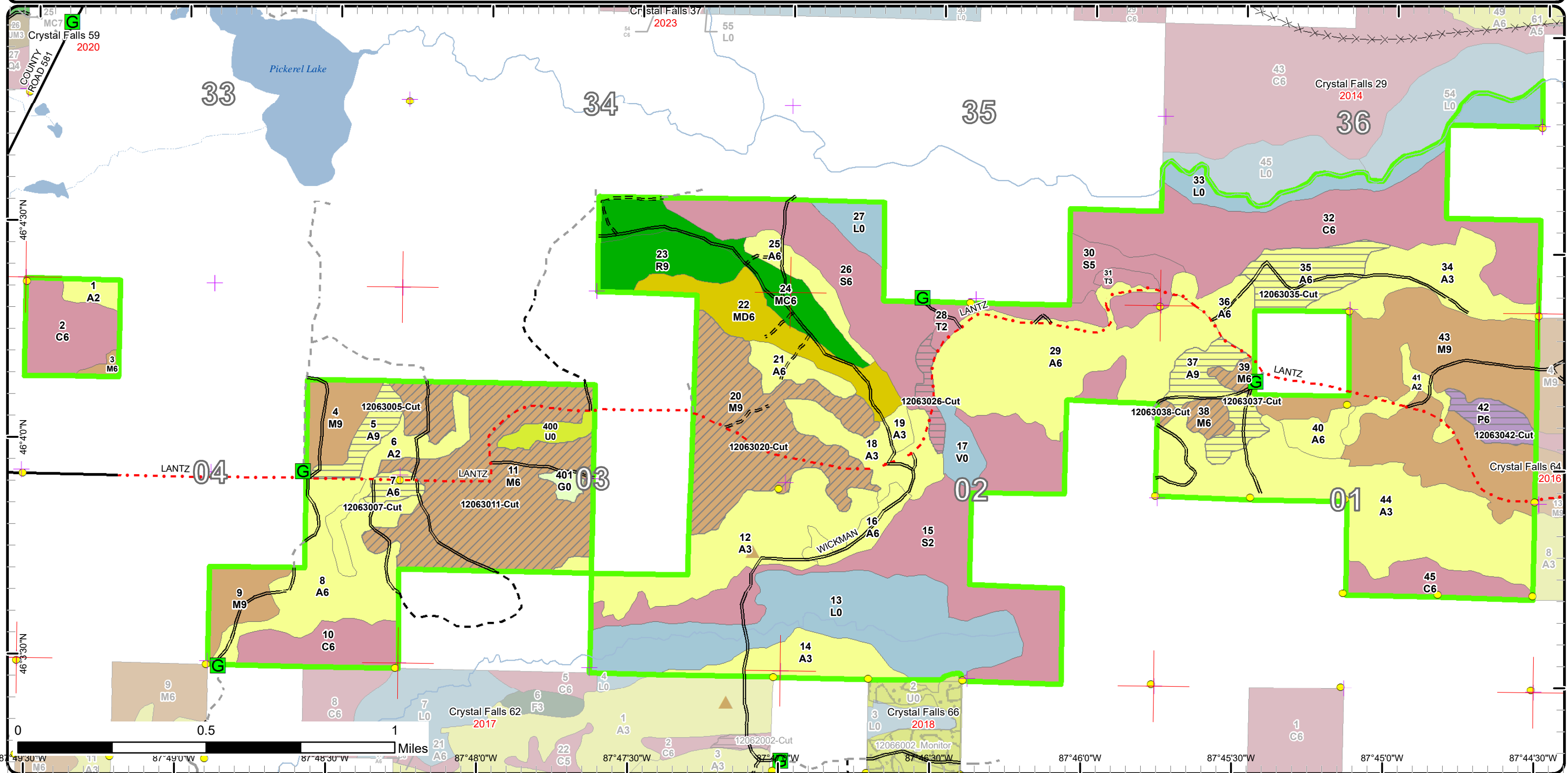
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 63  
 T43N, R28W, Sec. 34-36  
 T42N, R28W, Sec. 1-4  
 County: Dickinson  
 Unit: Crystal Falls  
 Mgmt Area: Ralph Ground  
 Moraine  
 YOE: 2022  
 Acres: 1810 GIS Calculated  
 Examiner: Deb Goupell  
 Map Revised: 1/22/2021  
 Map Phase: Post-Review

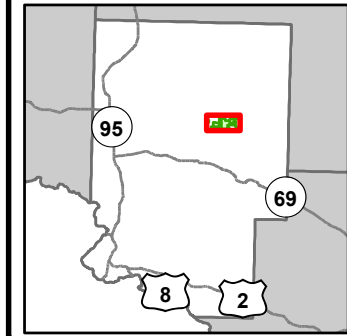


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ✖ Abandoned Railroads
- ▲ Berms
- G Gate
- 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
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub

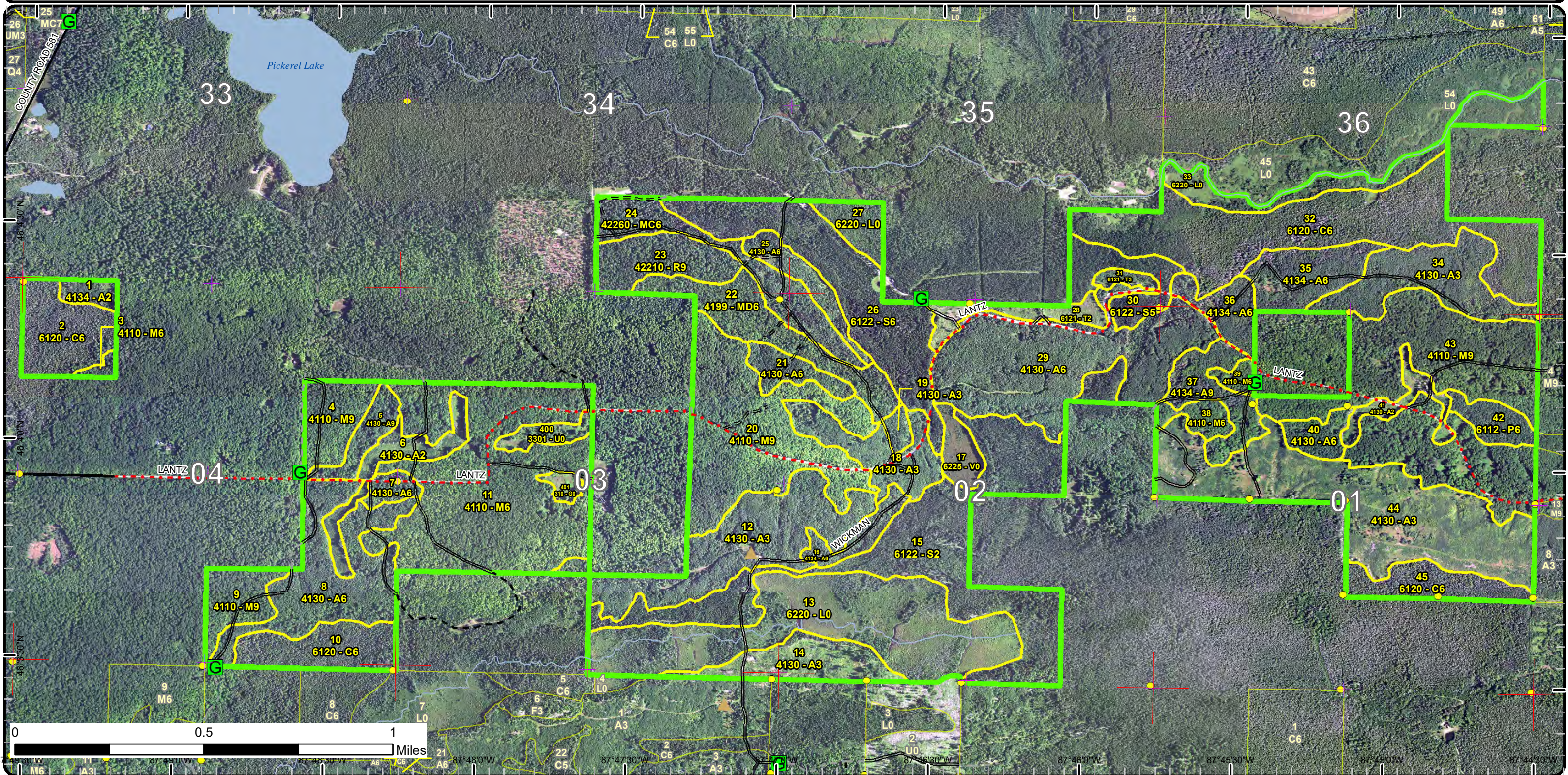


# Stand Boundary Map

Compartment: 63  
 T43N, R28W, Sec. 34-36  
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 Map Phase: Post-Review

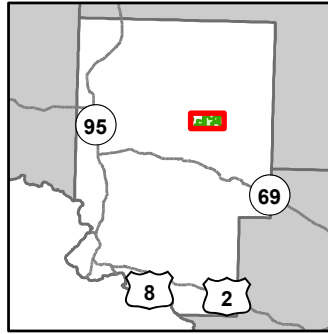


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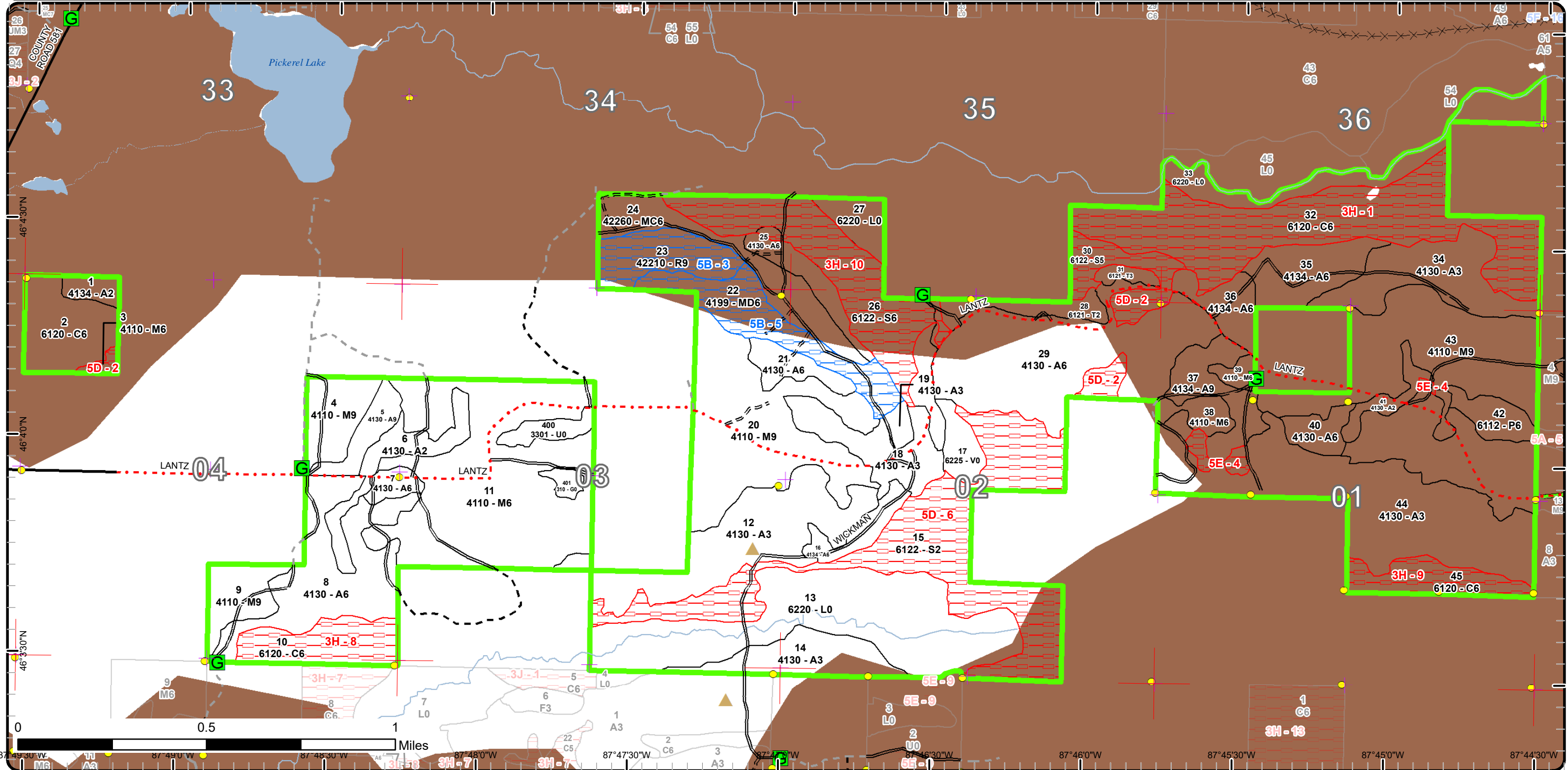


# Special Conservation Areas

Compartment: 63  
 T43N, R28W, Sec. 34-36  
 T42N, R28W, Sec. 1-4  
 County: Dickinson  
 Unit: Crystal Falls  
 Mgmt Area: Ralph Ground  
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 Map Revised: 1/22/2021  
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- County - Gravel Road
- Private - Dirt / Gravel Road
- Abandoned Railroads
- Berms
- Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Beauty Roads
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range



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+     | Uneven-Aged | Total       |
|-----------------------------|------------|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|------------|----------|----------|----------|----------|----------|-------------|-------------|
| Aspen                       | 0          | 181        | 36        | 173        | 142        | 47        | 35        | 25        | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 639         |
| Bog                         | 11         | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 11          |
| Cedar                       | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 23        | 0          | 29         | 150        | 0        | 0        | 0        | 0        | 0        | 0           | 202         |
| Herbaceous Openland         | 4          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 4           |
| Low-Density Trees           | 8          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 8           |
| Lowland Aspen/Balsam Poplar | 0          | 0          | 0         | 0          | 0          | 0         | 12        | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 12          |
| Lowland Shrub               | 162        | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 162         |
| Lowland Spruce/Fir          | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 195        | 28         | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 223         |
| Mixed Upland Deciduous      | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 39         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 39          |
| Natural Mixed Pines         | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 36          | 36          |
| Northern Hardwood           | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 428        | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 428         |
| Red Pine                    | 0          | 0          | 0         | 0          | 0          | 0         | 0         | 0         | 0         | 27         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 27          |
| Tamarack                    | 0          | 15         | 4         | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0           | 19          |
| <b>Total</b>                | <b>185</b> | <b>196</b> | <b>40</b> | <b>173</b> | <b>142</b> | <b>47</b> | <b>47</b> | <b>25</b> | <b>23</b> | <b>261</b> | <b>485</b> | <b>150</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>36</b>   | <b>1810</b> |



## Report 2 – Treatment Summary

**Crystal Falls Mgt. Unit**  
**Year of Entry: 2022**

**Acres of Harvest**

**Compartment 63**  
**Total Compartment Acres: 1,810**

Commercial Harvest - 340  
 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 |
|------------------------------------|-----------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| <b>Aspen</b>                       | 72        | 0         | 0              | 0         | 0           | 0        | 0                 | 0        | 0        | 72          |
| <b>Lowland Aspen/Balsam Poplar</b> | 12        | 0         | 0              | 0         | 0           | 0        | 0                 | 0        | 0        | 12          |
| <b>Lowland Spruce/Fir</b>          | 8         | 0         | 0              | 0         | 0           | 0        | 0                 | 0        | 0        | 8           |
| <b>Northern Hardwood</b>           | 0         | 0         | 0              | 0         | 248         | 0        | 0                 | 0        | 0        | 248         |
| <b>Total</b>                       | <b>92</b> | <b>0</b>  | <b>0</b>       | <b>0</b>  | <b>248</b>  | <b>0</b> | <b>0</b>          | <b>0</b> | <b>0</b> | <b>340</b>  |

### Proposed and Next Step Treatments by Method

|                  | Harvest    | Site Prep | Planting | Seeding  | Burning  | Pesticide | Monitoring | Other    | Non-Forest Mgt. | Total Acres |
|------------------|------------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| <b>Current</b>   | 340        | 0         | 0        | 0        | 0        | 0         | 0          | 0        | 0               | 340         |
| <b>Next Step</b> | 0          | 0         | 0        | 0        | 0        | 92        | 0          | 0        | 0               | 92          |
| <b>Total</b>     | <b>340</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>92</b> | <b>0</b>   | <b>0</b> | <b>0</b>        | <b>432</b>  |



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

**Proposed Treatments:**

|  |                     |       |                                   |                    |    |                 |         |                |                            |           |    |
|--|---------------------|-------|-----------------------------------|--------------------|----|-----------------|---------|----------------|----------------------------|-----------|----|
| <b>5</b>   | <b>12063005-Cut</b> | 12.6  | 4130 - Aspen                      | Sawtimber<br>Well  | 49 | Unspec<br>ified | Harvest | Clearcut       | 413 - Aspen                | Even-Aged | No |
| <p><u>Prescription</u> Final harvest all stems 2" and greater; no retention other than submerchantable conifer due to stand size and competition from thick autumn olive understory.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed hardwood, mixed softwood, aspen</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> |                     |       |                                   |                    |    |                 |         |                |                            |           |    |
| <b>7</b>   | <b>12063007-Cut</b> | 6.6   | 4130 - Aspen                      | Poletimber<br>Well | 59 | Unspec<br>ified | Harvest | Clearcut       | 413 - Aspen                | Even-Aged | No |
| <p><u>Prescription</u> Final harvest 2" and greater, no retention except pine or oak if found and live submerchantable conifer. Need to attempt to treat autumn olive.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, mixed softwood, mixed hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>               |                     |       |                                   |                    |    |                 |         |                |                            |           |    |
| <b>11</b>  | <b>12063011-Cut</b> | 141.8 | 4110 - Sugar Maple<br>Association | Poletimber<br>Well | 92 | 111-<br>140     | Harvest | Crown Thinning | 411 - Northern<br>Hardwood | Even-Aged | No |
| <p><u>Prescription</u> Mark to 70-80 BA following marking guidelines</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>  |                     |       |                                   |                    |    |                 |         |                |                            |           |    |
| <b>20</b>  | <b>12063020-Cut</b> | 93.0  | 4110 - Sugar Maple<br>Association | Sawtimber<br>Well  | 92 | 111-<br>140     | Harvest | Crown Thinning | 411 - Northern<br>Hardwood | Even-Aged | No |
| <p><u>Prescription</u> Focus on releasing crowns of crop trees. Aim for BA 80</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>   |                     |       |                                   |                    |    |                 |         |                |                            |           |    |





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

|    |              |     |                     |                    |    |                 |         |                            |                                       |           |    |
|----|--------------|-----|---------------------|--------------------|----|-----------------|---------|----------------------------|---------------------------------------|-----------|----|
| 26 | 12063026-Cut | 7.5 | 6122 - Black Spruce | Poletimber<br>Well | 80 | Unspec<br>ified | Harvest | Clearcut with<br>Retention | 612 - Lowland<br>Coniferous<br>Forest | Even-Aged | No |
|----|--------------|-----|---------------------|--------------------|----|-----------------|---------|----------------------------|---------------------------------------|-----------|----|

Prescription final harvest all stems 2" and greater except cedar due to dying timber.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable tamarack, black spruce, balm of gilead

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

|    |              |      |                             |                    |    |                 |         |                            |             |           |    |
|----|--------------|------|-----------------------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|----|
| 35 | 12063035-Cut | 28.0 | 4134 - Aspen,<br>Spruce/Fir | Poletimber<br>Well | 55 | Unspec<br>ified | Harvest | Clearcut with<br>Retention | 413 - Aspen | Even-Aged | No |
|----|--------------|------|-----------------------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|----|

Prescription Final harvest using 2" DBH spec. Leave Cedar, Hemlock, Pine, Oak (if found). For DWC concerns, leave conifers measuring 6" or less at stump height.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Spruce, Fir, Mixed Deciduous, Mixed Conifers

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

|    |              |      |                             |                   |    |                 |         |                            |             |           |    |
|----|--------------|------|-----------------------------|-------------------|----|-----------------|---------|----------------------------|-------------|-----------|----|
| 37 | 12063037-Cut | 24.6 | 4134 - Aspen,<br>Spruce/Fir | Sawtimber<br>Well | 69 | Unspec<br>ified | Harvest | Clearcut with<br>Retention | 413 - Aspen | Even-Aged | No |
|----|--------------|------|-----------------------------|-------------------|----|-----------------|---------|----------------------------|-------------|-----------|----|

Prescription Final harvest using 2" DBH spec. Leave Cedar, Hemlock, Pine, Oak (if found). For DWC concerns, leave conifers measuring 6" or less at stump height.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Spruce, Fir, Mixed Deciduous, Mixed Conifers

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

|    |              |     |                                   |                    |    |        |         |              |                            |           |    |
|----|--------------|-----|-----------------------------------|--------------------|----|--------|---------|--------------|----------------------------|-----------|----|
| 38 | 12063038-Cut | 8.7 | 4110 - Sugar Maple<br>Association | Poletimber<br>Well | 93 | 81-110 | Harvest | Low Thinning | 411 - Northern<br>Hardwood | Even-Aged | No |
|----|--------------|-----|-----------------------------------|--------------------|----|--------|---------|--------------|----------------------------|-----------|----|

Prescription Thin targeting 80 BA. Leave Cedar, Hemlock, Pine, Oak if found.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021



S  
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a  
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d

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

|    |              |     |                                |                 |    |         |         |              |                         |           |    |
|----|--------------|-----|--------------------------------|-----------------|----|---------|---------|--------------|-------------------------|-----------|----|
| 39 | 12063039-Cut | 4.6 | 4110 - Sugar Maple Association | Poletimber Well | 93 | 111-140 | Harvest | Low Thinning | 411 - Northern Hardwood | Even-Aged | No |
|----|--------------|-----|--------------------------------|-----------------|----|---------|---------|--------------|-------------------------|-----------|----|

Prescription Thin targeting 80 BA. Leave Cedar, Hemlock, Pine, Oak if found.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

|    |              |      |                      |                 |    |             |         |                         |                      |           |    |
|----|--------------|------|----------------------|-----------------|----|-------------|---------|-------------------------|----------------------|-----------|----|
| 42 | 12063042-Cut | 12.4 | 6112 - Lowland Aspen | Poletimber Well | 55 | Unspecified | Harvest | Clearcut with Retention | 6112 - Lowland Aspen | Even-Aged | No |
|----|--------------|------|----------------------|-----------------|----|-------------|---------|-------------------------|----------------------|-----------|----|

Prescription Final harvest using 2" DBH spec. Leave Oak (if found), and all conifers. Due to wet soil concerns, this treatment should be scaled.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, BAM, Black Ash, Mixed Deciduous, Mixed Conifers

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

**Total Treatment** 339.8  
**Acres Proposed:**



Availability for Management

| Total<br>Acres | Acres<br>Available | Acres Avail    |               | Dominant Site Conditions    | 5B | 3H  | 5D  | 5E |
|----------------|--------------------|----------------|---------------|-----------------------------|----|-----|-----|----|
|                |                    | With Condition | Not Available |                             |    |     |     |    |
| 638            | 631                | 0              | 7             | Aspen                       |    | 1   |     | 6  |
| 11             | 11                 | 0              | 0             | Bog                         |    |     |     |    |
| 202            | 32                 | 0              | 169           | Cedar                       |    | 169 |     |    |
| 4              | 4                  | 0              | 0             | Herbaceous Openland         |    |     |     |    |
| 8              | 8                  | 0              | 0             | Low-Density Trees           |    |     |     |    |
| 12             | 12                 | 0              | 0             | Lowland Aspen/Balsam Poplar |    |     |     |    |
| 162            | 162                | 0              | 0             | Lowland Shrub               |    |     |     |    |
| 223            | 10                 | 0              | 213           | Lowland Spruce/Fir          |    | 64  | 149 |    |
| 39             | 0                  | 39             | 0             | Mixed Upland Deciduous      | 39 |     |     |    |
| 35             | 35                 | 0              | 0             | Natural Mixed Pines         |    |     |     |    |
| 428            | 425                | 0              | 3             | Northern Hardwood           |    |     | 3   |    |
| 27             | 0                  | 27             | 0             | Red Pine                    | 27 |     |     |    |
| 19             | 17                 | 0              | 2             | Tamarack                    |    | 2   |     |    |
| 1,809          | 1,349              | 66             | 394           | Total Forested Acres        | 66 | 236 | 152 | 6  |
|                | 75%                | 4%             | 22%           | 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                     | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 118   | 5F: Evaluated for Forest Health Considerations | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b><br>Stand is over 50% cedar in winter deer yard                                    |                                 |   |       |  |                      |                      |                      |
| 2  | Unavailable                     | 5D: Unproductive Forest Land  | 31    | Unspecified                                    | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b><br>Better than half of this stand is unproductive forested land due to poor soils |                                 |   |       |  |                      |                      |                      |

## Report 4 – Site Conditions

Crystal Falls Mgt. Unit  
 Deb Goupell : Examiner

Compartment: 63  
 Year of Entry: 2022



|   |                    |  |     |  |             |             |             |
|---|--------------------|--|-----|--|-------------|-------------|-------------|
| 3   | <b>Available</b>   | <b>5B: Maintain for regeneration purposes</b>                                      | 27  | Unspecified                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>encouraging understory growth of white pine |                    |  |     |  |             |             |             |
| 4   | <b>Unavailable</b> | <b>5E: Long-Term Retention</b>   | 6   | Unspecified                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>  |                    |  |     |  |             |             |             |
| 5   | <b>Available</b>   | <b>5B: Maintain for regeneration purposes</b>                                      | 39  | Unspecified                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>  |                    |  |     |  |             |             |             |
| 6   | <b>Unavailable</b> | <b>5D: Unproductive Forest Land</b>  | 121 | Unspecified                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>  |                    |  |     |  |             |             |             |
| 8   | <b>Unavailable</b> | <b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b> | 29  | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>Stand is over 50% cedar in winter deer yard |                    |  |     |  |             |             |             |
| 9   | <b>Unavailable</b> | <b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b> | 23  | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>Stand is over 50% cedar in winter deer yard |                    |  |     |  |             |             |             |



|   |             |   |    |  |             |             |             |
|---|-------------|---|----|--|-------------|-------------|-------------|
| 10  | Unavailable | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 67 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>Stand is over 50% cedar in winter deer yard |             |   |    |  |             |             |             |

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

| <b>Conservation Area</b> | <b>Type</b>            | <b>Description</b>  |
|--------------------------|------------------------|---|
| 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                      | Visual Management Area | An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.   |



| Stand  | Level 4 Cover Type             | Size Density    | Acres | Stand Age | BA Range           | Managed Site | General Comments  |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
|--|--------------------------------|-----------------|-------|-----------|--------------------|--------------|---|----------------|---------|------------|-----|-----|----------------------|---------|-------------|------|---------------|--------------|----------|----------|----|-----------|------------|-------------|---------|----------|----|--------------|----|---------|-------------|--------|-------------|---------|-------------|----|----------|---|--|-----------|--------|--------------|---------|-------------|---|----------|---|--|--------------|-----|-------------|---------|
| 1  | 4134 - Aspen, Spruce/Fir       | Sapling Medium  | 6.6   | 16        | Immature           | N/A          | SBW is impacting the spruce and balsam this year.   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Quaking Aspen  | 75                             | Sapling         | 2     | 16        |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| White Pine   | 5                              | Log/Pole        | 16    |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Balsam Fir   | 10                             | Sapling         | 3     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| White Spruce   | 10                             | Sapling         | 3     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 2  | 6120 - Lowland Cedar           | Poletimber Well | 32.2  | 108       | Unspecified        | N/A          | Thin tops. Some white pine on southeast corner  |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Northern White Cedar   | 90                             | Pole/Log        | 9     | 108       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Black Spruce   | 10                             | Pole            | 8     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 3  | 4110 - Sugar Maple Association | Poletimber Well | 2.7   | 92        | 81-110             | N/A          | Stand thinned in 2005.  |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Sugar Maple  | 60                             | Pole            | 9     | 92        |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Basswood   | 40                             | Log/Pole        | 10    |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 4  | 4110 - Sugar Maple Association | Sawtimber Well  | 21.8  | 92        | 81-110             | N/A          | Thinned with Skunk Jaw Mix TS cut 2013. Some autumn olive creeping in along road and east edge; plenty of white ash saplings! |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       | Sub-Canopy Species | Density      | Avg. Height   | Size           |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Sugar Maple  | 55                             | Log/Pole        | 10    | 92        | White Ash          | Medium       | 5 - 10 feet   | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Basswood   | 45                             | Log/Pole        | 12    |           | Ironwood           | Full         | 5 - 10 feet   | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 5  | 4130 - Aspen                   | Sawtimber Well  | 12.6  | 49        | Unspecified        | N/A          | Understory is thick with autumn olive.  |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Quaking Aspen  | 80                             | Log/Pole        | 10    | 49        |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| White Spruce   | 10                             | Pole            | 8     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Balsam Fir   | 5                              | Pole            | 8     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Sugar Maple  | 5                              | Pole            | 9     |           |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 6  | 4130 - Aspen                   | Sapling Medium  | 20.1  | 8         | Immature           | N/A          | Skunk jaw Mix TS cut 2013. Far north finger is not fully stocked.   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Quaking Aspen  | 100                            | Sapling         | 1     | 8         |                    |              |   |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| 7  | 4130 - Aspen                   | Poletimber Well | 6.6   | 59        | Unspecified        | N/A          | Autumn olive with heavy seed load thick along county road. Corner in road, 4 bearing trees in stand.                          |                |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH   | Age       | Sub-Canopy Species | Density      | Avg. Height   | Size           |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Quaking Aspen  | 80                             | Log/Pole        | 12    | 59        | Ironwood           | High         | Variable  | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Basswood   | 8                              | Log/Pole        | 12    |           | Sugar Maple        | Medium       | Variable  | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Sugar Maple  | 10                             | Pole/Log        | 9     |           | White Ash          | Medium       | 10 - 20 feet  | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |
| Paper Birch  | 2                              | Pole/Log        | 9     |           | White Spruce       | Low          | 5 - 10 feet   | Sapling        |         |            |     |     |                      |         |             |      |               |              |          |          |    |           |            |             |         |          |    |              |    |         |             |        |             |         |             |    |          |   |  |           |        |              |         |             |   |          |   |  |              |     |             |         |





| Stand   | Level 4 Cover Type             | Size Density    | Acres      | Stand Age  | BA Range    | Managed Site | General Comments  |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
|---|--------------------------------|-----------------|------------|------------|-------------|--------------|---|----|----------|----|----|-------------|----|----------|----|----|---------------|----|----------|----|--|--|----|--------------------|---------|-------------|------------|----------|---------|--------------|---------|--------------|---|------|---|--|--|--|--------------------|---------|-------------|------|-----------------|--------|-------------|------------|--------------|-----|-------------|---------|
| 8   | 4130 - Aspen                   | Poletimber Well | 63.2       | 38         | Unspecified | N/A          | Cut1983. Plenty of autumn olive with berries.   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Quaking Aspen   | 75                             | Pole            | 8          | 38         |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sugar Maple   | 10                             | Pole            | 9          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Poplar   | 5                              | Pole            | 8          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Basswood  | 5                              | Log/Pole        | 12         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Fir  | 3                              | Pole            | 8          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| White Spruce  | 2                              | Pole            | 8          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Hazelnut (Spp.)   | Full                           | 5 - 10 feet     | Tall Shrub |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sugar Maple   | Low                            | 5 - 10 feet     | Sapling    |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| 9   | 4110 - Sugar Maple Association | Sawtimber Well  | 19.1       | 92         | 81-110      | N/A          | Skunk Jaw Mix TS cut 2012-13  |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| White Ash   | 5                              | Log/Pole        | 10         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sugar Maple   | 50                             | Log/Pole        | 11         | 92         |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Basswood  | 45                             | Log/Pole        | 12         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| 10  | 6120 - Lowland Cedar           | Poletimber Well | 28.7       | 98         | 111-140     | N/A          |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Northern White Cedar  | 65                             | Log/Pole        | 10         | 98         |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Tamarack  | 10                             | Pole            | 9          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Poplar   | 10                             | Log/Pole        | 11         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Black Spruce  | 15                             | Pole            | 8          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| 11  | 4110 - Sugar Maple Association | Poletimber Well | 141.8      | 92         | 111-140     | N/A          | Thinned in 2005. Ironwood bent in half due to heavy freezing rain/snow winter 2019/20. Sugar maple is browsed hard. BA Averages 115.5 |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sugar Maple   | 45                             | Pole/Log        | 9          | 92         |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Basswood  | 40                             | Log/Pole        | 10         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| White Ash   | 15                             | Pole/Log        | 9          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Ironwood  | Medium                         | 10 - 20 feet    | Sapling    |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| 12  | 4130 - Aspen                   | Sapling Well    | 70.8       | 28         | Immature    | N/A          | Rian's TS cut 1993. Some 8-9" aspen   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Quaking Aspen   | 70                             | Sapling         | 4          | 28         |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Fir  | 3                              | Sapling         | 3          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Poplar   | 20                             | Sapling         | 3          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| White Pine  | 1                              | Log/Pole/Sap    | 14         |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Tamarack  | 4                              | Sapling         | 2          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Red Maple   | 2                              | Pole            | 8          |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| Balsam Fir  | Medium                         | Variable        | Sapling    |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| White Spruce  | Low                            | Variable        | Sapling    |            |             |              |   |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |
| 13  | 6220 - Alder/willow            | Nonstocked      | 115.7      |            | Unspecified | No           | OPIC - FMD: OI Stand Year Origin was  |    |          |    |    |             |    |          |    |    |               |    |          |    |  |  |    |                    |         |             |            |          |         |              |         |              |   |      |   |  |  |  |                    |         |             |      |                 |        |             |            |              |     |             |         |



| Stand                     | Level 4 Cover Type             | Size Density    | Acres              | Stand Age   | BA Range    | Managed Site | General Comments  |
|---------------------------|--------------------------------|-----------------|--------------------|-------------|-------------|--------------|---|
| 14                        | 4130 - Aspen                   | Sapling Well    | 28.5               | 9           | Immature    | N/A          | Skunk Jaw Mix TS cut 2012. Couple of residual white cedar. Most white pine on far east/southeast rock knob  |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Quaking Aspen             |                                | 75              | Sapling            | 1           | 9           |              |   |
| Balsam Poplar             |                                | 10              | Sapling            | 1           |             |              |   |
| Red Maple                 |                                | 10              | Sapling            | 1           |             |              |   |
| White Pine                |                                | 5               | XLog/Log           | 18          |             |              |   |
| 15                        | 6122 - Black Spruce            | Sapling Medium  | 121.3              | 81          | Unspecified | N/A          | Wet, stunted trees.   |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Black Spruce              |                                | 70              | Sapling            | 4           | 81          |              |   |
| Tamarack                  |                                | 30              | Pole/Sapling       | 5           |             |              |   |
| 16                        | 4134 - Aspen, Spruce/Fir       | Poletimber Well | 11.9               | 47          | 81-110      | N/A          | Balsam and white spruce not holding up well. Average 4 stick in aspen. Will hold but recommend harvest.   |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Quaking Aspen             |                                | 70              | Pole               | 8           | 47          |              |   |
| Balsam Fir                |                                | 8               | Pole               | 8           |             |              |   |
| Paper Birch               |                                | 2               | Pole               | 9           |             |              |   |
| Black Spruce              |                                | 15              | Pole               | 7           |             |              |   |
| White Spruce              |                                | 3               | Pole               | 8           |             |              |   |
| Red Maple                 |                                | 2               | Pole               | 8           |             |              |   |
| <b>Sub-Canopy Species</b> |                                | <b>Density</b>  | <b>Avg. Height</b> | <b>Size</b> |             |              |   |
| Hazelnut (Spp.)           |                                | Medium          | 5 - 10 feet        | Tall Shrub  |             |              |   |
| Balsam Fir                |                                | Low             | Variable           | Sapling     |             |              |   |
| Sugar Maple               |                                | Low             | Variable           | Sapling     |             |              |   |
| 17                        | 6225 - Bog                     | Nonstocked      | 10.9               |             | Unspecified | No           | OPIC - FMD: OI Stand Year Origin was  |
| 18                        | 4130 - Aspen                   | Sapling Well    | 29.4               | 17          | Immature    | N/A          | Long Hill Aspen TS cut 2004.  |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Quaking Aspen             |                                | 95              | Sapling            | 2           | 17          |              |   |
| Balsam Fir                |                                | 5               | Pole/Sapling       | 7           |             |              |   |
| <b>Sub-Canopy Species</b> |                                | <b>Density</b>  | <b>Avg. Height</b> | <b>Size</b> |             |              |   |
| Sugar Maple               |                                | Medium          | Variable           | Sapling     |             |              |   |
| Balsam Fir                |                                | Low             | Variable           | Sapling     |             |              |   |
| Hazelnut (Spp.)           |                                | High            | 5 - 10 feet        | Tall Shrub  |             |              |   |
| 19                        | 4130 - Aspen                   | Sapling Well    | 4.2                | 38          | Unspecified | N/A          | OI Stand Year Origin was 1983. May lump with adjacent stand(s)  |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Quaking Aspen             |                                | 100             | Pole/Sapling       | 6           | 38          |              |   |
| <b>Sub-Canopy Species</b> |                                | <b>Density</b>  | <b>Avg. Height</b> | <b>Size</b> |             |              |   |
| Balsam Fir                |                                | Medium          | Variable           | Sapling     |             |              |   |
| White Pine                |                                | Low             | 5 - 10 feet        | Sapling     |             |              |   |
| 20                        | 4110 - Sugar Maple Association | Sawtimber Well  | 93.0               | 92          | 111-140     | N/A          | Broken Ash TS thinned in 1993. Lots of White Ash regeneration. Rolling hills, draw in southwest. Trace of white birch. More pole sized trees in east 1/3 of stand. Fair amount of defect and cracked trees to focus on removing. Average BA 113. Ash 5 feet and lower are browsed to bushlike shrubs. |
| <b>Canopy Species</b>     |                                | <b>% Cover</b>  | <b>Size Class</b>  | <b>DBH</b>  | <b>Age</b>  |              |   |
| Sugar Maple               |                                | 70              | Log/Pole           | 12          | 92          |              |   |
| White Ash                 |                                | 25              | Log/Pole/Sap       | 11          |             |              |   |
| Basswood                  |                                | 5               | Log/Pole           | 12          |             |              |   |
| <b>Sub-Canopy Species</b> |                                | <b>Density</b>  | <b>Avg. Height</b> | <b>Size</b> |             |              |   |
| White Ash                 |                                | High            | 5 - 10 feet        | Sapling     |             |              |   |



| Stand                 | Level 4 Cover Type                    | Size Density    | Acres             | Stand Age  | BA Range    | Managed Site              | General Comments   |                    |             |
|-----------------------|---------------------------------------|-----------------|-------------------|------------|-------------|---------------------------|--|--------------------|-------------|
| <b>21</b>             | 4130 - Aspen                          | Poletimber Well | 12.5              | 44         | Unspecified | N/A                       | Ridge and valley stand. Stand Year Origin was 1977   |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  | <b>Sub-Canopy Species</b> | <b>Density</b>   | <b>Avg. Height</b> | <b>Size</b> |
| Bigtooth Aspen        |                                       | 30              | Log/Pole          | 12         |             | Sugar Maple               | Low  | 5 - 10 feet        | Sapling     |
| Quaking Aspen         |                                       | 70              | Pole              | 9          | 44          | Balsam Fir                | Medium   | Variable           | Sapling     |
| <b>22</b>             | 4199 - Other Mixed Upland Deciduous   | Poletimber Well | 38.8              | 89         | 81-110      | N/A                       | Couple ridges through stand. Move towards mesic conifer by holding one more entry then removing all broad leaved stems and maybe anchor chain. 30-40% of birch is dead.  |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  | <b>Sub-Canopy Species</b> | <b>Density</b>   | <b>Avg. Height</b> | <b>Size</b> |
| Paper Birch           |                                       | 40              | Pole/Log          | 9          | 89          | Balsam Fir                | Medium   | Variable           | Sapling     |
| Red Maple             |                                       | 30              | Pole              | 9          |             | White Spruce              | Low  | Variable           | Sapling     |
| Red Pine              |                                       | 2               | Log/Pole          | 14         |             | White Pine                | Low  | Variable           | Sapling     |
| White Pine            |                                       | 10              | Log/Pole/Sap      | 14         |             |                           |  |                    |             |
| Quaking Aspen         |                                       | 5               | Log/Pole          | 12         |             |                           |  |                    |             |
| Sugar Maple           |                                       | 8               | Pole              | 8          |             |                           |  |                    |             |
| Hemlock               |                                       | 5               | Log/Pole          | 10         |             |                           |  |                    |             |
| <b>23</b>             | 42210 - Natural Red Pine              | Sawtimber Well  | 27.2              | 89         | 111-140     | N/A                       | Suggest leaving alone to get more growth on understory white pine; little to remove other red pine. BAs averaged 130 with both Red pine and White pine   |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  | <b>Sub-Canopy Species</b> | <b>Density</b>   | <b>Avg. Height</b> | <b>Size</b> |
| Red Pine              |                                       | 60              | Log/Pole          | 16         | 89          | Red Maple                 | Low  | Variable           | Sapling     |
| White Pine            |                                       | 20              | Log/Pole/Sap      | 16         |             | White Pine                | High   | 5 - 10 feet        | Sapling     |
| Paper Birch           |                                       | 10              | Pole/Log          | 8          |             | Balsam Fir                | Medium   | Variable           | Sapling     |
| Quaking Aspen         |                                       | 2               | Pole              | 9          |             | White Spruce              | Medium   | Variable           | Sapling     |
| Red Maple             |                                       | 8               | Pole              | 8          |             |                           |  |                    |             |
| <b>24</b>             | 42260 - Natural Pine, Mixed Deciduous | Poletimber Well | 35.5              | 92         | 51-80       | N/A                       | Trace of upland black spruce in far north. This is a stand that has a good white pine understory established. Recommend holding til next entry, removing broad leaved species, anchor chain to promote mesic conifer regeneration. |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  | <b>Sub-Canopy Species</b> | <b>Density</b>   | <b>Avg. Height</b> | <b>Size</b> |
| Quaking Aspen         |                                       | 20              | Pole/Log          | 8          | 43          | Balsam Fir                | Medium   | Variable           | Sapling     |
| White Pine            |                                       | 45              | Pole/Log/Sap      | 9          | 92          | White Pine                | High   | Variable           | Sapling     |
| Red Pine              |                                       | 10              | Log/Pole          | 10         |             | Red Pine                  | Medium   | Variable           | Sapling     |
| Red Maple             |                                       | 10              | Pole              | 8          |             |                           |  |                    |             |
| Paper Birch           |                                       | 10              | Pole              | 8          |             |                           |  |                    |             |
| Jack Pine             |                                       | 5               | Pole              | 9          |             |                           |  |                    |             |
| <b>25</b>             | 4130 - Aspen                          | Poletimber Well | 14.7              | 39         | Unspecified | N/A                       | OPIC - FMD: OI Stand Year Origin was 1982  |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  |                           |  |                    |             |
| Quaking Aspen         |                                       | 100             | Pole/Sapling      | 7          | 39          |                           |  |                    |             |
| <b>26</b>             | 6122 - Black Spruce                   | Poletimber Well | 73.5              | 80         | Unspecified | N/A                       | There is some blow down in far north and some evidence of mistletoe.   |                    |             |
| <b>Canopy Species</b> |                                       | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b>  |                           |  |                    |             |
| Black Spruce          |                                       | 65              | Pole              | 7          | 80          |                           |  |                    |             |
| Northern White Cedar  |                                       | 20              | Pole              | 8          |             |                           |  |                    |             |
| Tamarack              |                                       | 15              | Pole              | 9          |             |                           |  |                    |             |



| Stand  | Level 4 Cover Type   | Size Density      | Acres      | Stand Age  | BA Range    | Managed Site | General Comments  |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
|--|----------------------|-------------------|------------|------------|-------------|--------------|---|-----|--------------|---|-----|--|----|--------------------|---------|-------------|---|--------------|--------------------|----------|-------------|---|------------|--------------------|----------|-------------|--------|--------------|---------|-------------|------------|------------|--------|----------|---------|--------------|--------|-------------|------------|--|--|--|--|
| 27   | 6220 - Alder/willow  | Nonstocked        | 12.1       |            | Unspecified | No           | OPIC - FMD: OI Stand Year Origin was  |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 28   | 6121 - Tamarack      | Sapling Medium    | 14.9       | 9          | Immature    | N/A          | Skunk Jaw Mix TS cut 2012. There is some red maple, white spruce and cherry filling in as well. Willow and tag alder in understory. |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tamarack   | 70                   | Sapling           | 1          | 9          |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | 30                   | Sapling           | 1          | 9          |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 29   | 4130 - Aspen         | Poletimber Well   | 102.2      | 28         | Immature    | N/A          | Some token red and white pine. Aspen ranges from 4-8", some 3-4" with edge trees 7-8". High Folder TS cut 1993                      |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Quaking Aspen  | 98                   | Pole/Sapling      | 5          | 28         |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tamarack   | 2                    | Sapling           | 3          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Sub-Canopy Species   | Density              | Avg. Height       | Size       |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Balsam Fir   | Low                  | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 30   | 6122 - Black Spruce  | Poletimber Medium | 28.2       | 97         | Unspecified | N/A          | South of road have very small diameter, may be unproductive forest land.  |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | 55                   | Pole/Sapling      | 5          | 97         |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tamarack   | 40                   | Pole/Sapling      | 7          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Northern White Cedar   | 5                    | Pole              | 6          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Sub-Canopy Species   | Density              | Avg. Height       | Size       |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Balsam Fir   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tag Alder  | Medium               | 5 - 10 feet       | Tall Shrub |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 31   | 6121 - Tamarack      | Sapling Well      | 4.3        | 19         | Immature    | N/A          | Sand Curves TS cut 2002   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tamarack   | 60                   | Sapling           | 3          | 19         |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Balsam Poplar  | 20                   | Sapling           | 3          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | 20                   | Sapling           | 2          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 32   | 6120 - Lowland Cedar | Poletimber Well   | 117.8      | 107        | Unspecified | N/A          |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Northern White Cedar   | 80                   | Pole/Log          | 9          | 107        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tamarack   | 10                   | Log/Pole          | 10         |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Blue Spruce  | 10                   | Pole/Sapling      | 6          |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Sub-Canopy Species   | Density              | Avg. Height       | Size       |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Tag Alder  | Medium               | 5 - 10 feet       | Tall Shrub |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Balsam Fir   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 33   | 6220 - Alder/willow  | Nonstocked        | 34.2       |            | Unspecified | No           | OPIC - FMD: OI Stand Year Origin was  |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| 34   | 4130 - Aspen         | Sapling Well      | 44.0       | 37         | Unspecified | N/A          | Harvested 1984  |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
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| Canopy Species   | % Cover              | Size Class        | DBH        | Age        |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Quaking Aspen  | 100                  | Pole/Sapling      | 5          | 37         |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Sub-Canopy Species   | Density              | Avg. Height       | Size       |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| White Spruce   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Black Spruce   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |
| Balsam Fir   | Medium               | Variable          | Sapling    |            |             |              |   |     |              |   |     |  |    |                    |         |             |   |              |                    |          |             |   |            |                    |          |             |        |              |         |             |            |            |        |          |         |              |        |             |            |  |  |  |  |



| Stand   | Level 4 Cover Type             | Size Density    | Acres      | Stand Age  | BA Range    | Managed Site | General Comments  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
|---|--------------------------------|-----------------|------------|------------|-------------|--------------|---|-----|--------------|----|----|---------------|----|--------------|----|----|---|----|--------------------|---------|-------------|--|------------|--------------------|----------|-------------|---------------|------------|--------------|----------|---------|--|--------|--------------------|---------|-------------|------|--------------|--------|----------|---------|--------------|--------|----------|---------|--------------|--------|----------|---------|-----------|-----|-------------|------------|
| <b>35</b>   | 4134 - Aspen, Spruce/Fir       | Poletimber Well | 28.0       | 55         | Unspecified | N/A          | Harvested 1966. Much Spruce/Fir mortality due to budworm.   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 60                             | Pole/Sap/Log    | 7          | 55         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | 20                             | Pole/Sapling    | 5          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Black Spruce  | 5                              | Pole/Sapling    | 5          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | 10                             | Pole/Sapling    | 6          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Poplar   | 5                              | Pole/Sapling    | 6          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | Medium                         | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Black Spruce  | Medium                         | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | Medium                         | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Tag Alder   | Low                            | 5 - 10 feet     | Tall Shrub |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>36</b>   | 4134 - Aspen, Spruce/Fir       | Poletimber Well | 16.1       | 39         | Unspecified | N/A          | Harvested 1982  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 60                             | Pole/Sapling    | 6          | 39         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | 20                             | Pole/Sapling    | 5          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | 20                             | Pole/Sapling    | 5          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | Medium                         | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | Medium                         | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>37</b>   | 4134 - Aspen, Spruce/Fir       | Sawtimber Well  | 24.6       | 69         | Unspecified | N/A          | Small pockets of Maple mixed throughout the Aspen stand. Much Spruce/Fir mortality due to Spruce Budworm outbreak. Younger Aspen along county road. More Maple to South of stand. |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 40                             | Log/Pole        | 10         | 69         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Basswood  | 5                              | Log             | 14         |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | 15                             | Pole/Sapling    | 6          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sugar Maple   | 25                             | Pole/Log/Sap    | 8          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | 15                             | Pole/Sapling    | 6          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Ironwood  | High                           | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sugar Maple   | Low                            | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| White Spruce  | Low                            | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>38</b>   | 4110 - Sugar Maple Association | Poletimber Well | 8.7        | 93         | 81-110      | N/A          | Thinned 2014- Retained some aspen.  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sugar Maple   | 90                             | Pole/Sap/Log    | 8          | 93         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 10                             | Sapling/Pole    | 4          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>39</b>   | 4110 - Sugar Maple Association | Poletimber Well | 4.6        | 93         | 111-140     | N/A          | Thinned 2013- Retained some aspen.  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sugar Maple   | 80                             | Pole/Sap/Log    | 8          | 93         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Basswood  | 15                             | Pole/Sapling    | 8          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 5                              | Sapling/Pole    | 4          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>40</b>   | 4130 - Aspen                   | Poletimber Well | 10.4       | 42         | Unspecified | N/A          | Harvested 1979  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sugar Maple   | 15                             | Pole/Log        | 8          |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 85                             | Pole            | 6          | 42         |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Sub-Canopy Species  | Density                        | Avg. Height     | Size       |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Balsam Fir  | Low                            | Variable        | Sapling    |            |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| <b>41</b>   | 4130 - Aspen                   | Sapling Medium  | 12.0       | 7          | Immature    | N/A          | Harvested 2014  |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
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| Canopy Species  | % Cover                        | Size Class      | DBH        | Age        |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |
| Quaking Aspen   | 100                            | Sapling         | 1          | 7          |             |              |   |     |              |    |    |               |    |              |    |    |   |    |                    |         |             |  |            |                    |          |             |               |            |              |          |         |  |        |                    |         |             |      |              |        |          |         |              |        |          |         |              |        |          |         |           |     |             |            |



| Stand   | Level 4 Cover Type                 | Size Density    | Acres      | Stand Age  | BA Range    | Managed Site | General Comments   |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
|---|------------------------------------|-----------------|------------|------------|-------------|--------------|--|-----|--------------|----|----|--|----|--------------------|---------|-------------|--|--------------|--------------------|-------------|-------------|---|----------|--------------------|----------|-------------|---|------------|--------------------|----------|-------------|-----------|-----------|-------------|-------------|------------|----------|--------|----------|---------|-----------|--------|----------|---------|-------------|-----|----------|---------|
| <b>42</b>   | 6112 - Lowland Aspen               | Poletimber Well | 12.4       | 55         | Unspecified | N/A          | Drainage through center of stand. Much windthrow from storm in 2017.               |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
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| Canopy Species  | % Cover                            | Size Class      | DBH        | Age        |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Black Ash   | 20                                 | Pole/Sapling    | 6          |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Balsam Poplar   | 20                                 | Pole/Sap/Log    | 7          |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Quaking Aspen   | 50                                 | Pole/Log        | 8          | 55         |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sugar Maple   | 10                                 | Pole/Log        | 8          |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sub-Canopy Species  | Density                            | Avg. Height     | Size       |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Tag Alder   | Low                                | 5 - 10 feet     | Tall Shrub |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Ironwood  | Medium                             | Variable        | Sapling    |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Black Ash   | Medium                             | Variable        | Sapling    |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sugar Maple   | Low                                | Variable        | Sapling    |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| <b>43</b>   | 4110 - Sugar Maple Association     | Sawtimber Well  | 136.2      | 93         | 81-110      | N/A          | Thinned 2013   |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
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| Canopy Species  | % Cover                            | Size Class      | DBH        | Age        |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sugar Maple   | 60                                 | Log/Pole        | 10         | 93         |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Basswood  | 40                                 | Log/Pole        | 10         |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sub-Canopy Species  | Density                            | Avg. Height     | Size       |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Ironwood  | Medium                             | Variable        | Sapling    |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| <b>44</b>   | 4130 - Aspen                       | Sapling Well    | 120.2      | 7          | Immature    | N/A          | Harvested 2014   |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
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| Canopy Species  | % Cover                            | Size Class      | DBH        | Age        |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Quaking Aspen   | 100                                | Sapling         | 1          | 7          |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sub-Canopy Species  | Density                            | Avg. Height     | Size       |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Bracken Fern  | Medium                             | Unspecified     | Non-Wood   |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| <b>45</b>   | 6120 - Lowland Cedar               | Poletimber Well | 22.9       | 78         | Unspecified | N/A          |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
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| Canopy Species  | % Cover                            | Size Class      | DBH        | Age        |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Northern White Cedar  | 70                                 | Pole/Sapling    | 7          | 78         |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Black Spruce  | 20                                 | Pole/Sapling    | 6          |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Tamarack  | 10                                 | Pole/Sapling    | 7          |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Sub-Canopy Species  | Density                            | Avg. Height     | Size       |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Balsam Fir  | Medium                             | Variable        | Sapling    |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| Tag Alder   | Medium                             | 5 - 10 feet     | Tall Shrub |            |             |              |  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| <b>400</b>  | 3301 - Low Density Deciduous Trees | Nonstocked      | 8.3        |            | Unspecified | No           | Aspen, cherry, autumn olive, possibly hawthorn in this opening that is filling in. |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |
| <b>401</b>  | 310 - Herbaceous Openland          | Nonstocked      | 3.9        |            | Unspecified | No           | Scattered trees  |     |              |    |    |  |    |                    |         |             |  |              |                    |             |             |   |          |                    |          |             |   |            |                    |          |             |           |           |             |             |            |          |        |          |         |           |        |          |         |             |     |          |         |