



# Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41147

Entry Year 2023

Acreage: 1,573

County Schoolcraft

Management Area: Cusino Complex

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**Stand Examiner:** Sheila Clark

## Legal Description:

T47N R15W Sections 30 - 34

## Identified Planning Goals:

To manage the compartment in accordance with the principles of sustainable forest ecosystem management, with emphasis on timber production, maintaining & enhancing wildlife habitat, and protection of riparian areas.

## Soil and topography:

This compartment is relatively level with elevation changes of a few feet changing vegetation types from lowland fen to lowland forest to upland hardwood soils are generally composed of sands and organic peat soil types.

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

There is no development other than one primitive camp and the roads through this compartment. The private lands mostly belong to The Forest Land Group.

## Unique Natural Features:

The Driggs River lies just east of this compartment.

## Archeological, Historical, and Cultural Features:

The Seney Fire (1976) burned areas in the west end of the compartment.

## Special Management Designations or Considerations:

The Creighton Marsh patterned fen ERA as well as the Negro Creek patterned fen ERA are on the west end of this compartment. Dwarf raspberry has been identified in the open fen and shrub areas.

## Watershed and Fisheries Considerations:

This compartment contains two sections. The smaller, eastern section of this compartment borders the Driggs River. The Driggs River is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 63.0 °F (cold stream). A 300' buffers is recommended for the Driggs 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:

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 F. Annual snowfall in this area averages between 120 and 140 inches. General Land Office (GLO) Surveyor notes show a mixed conifer/deciduous forest type dominated the uplands. Hemlock, white pine, beech, birch (presumably yellow birch) appeared to be the most common species. Balsam fir, red maple, and sugar maple were also common. Lowlands contained cedar, black spruce, tamarack, and some red pine. The Seney fire burned across the western portion of this compartment in. Windthrow and beaver ponding along the Driggs River and Negro Creek undoubtedly impacted the local ecology as well.

Except for those areas affected by the Seney fire, today's forest (on State land) within this compartment still contains the species diversity that was mentioned in the 1851 survey. Areas affected by the Seney fire have regenerated to jack pine and black spruce. On the remaining uplands, there has been a shift in that deciduous species have become dominant over the conifers. Private lands within this compartment have experienced intensive cutting in recent years and have shifted even further toward young deciduous forest.

Wildlife habitat objectives are centered upon attempting to return the upland forest to a condition similar while maintaining some closed canopy coniferous and deciduous forests. Northern hardwood stands, scheduled to be thinned, will be done so in such a manner as to promote yellow birch, white pine, and hemlock. Due to concern for the potential impacts of beech snap, oak will also be planted in these areas. The intent is to maintain hard mast within the stand. Areas that contain substantial hemlock in the understory will not be treated. This will allow the hemlock to over-take the stand and become the dominant species.

Gray wolves (Federal and Michigan endangered) and moose (Michigan special concern) are known to utilize this area. Other species of interest include Phoebe, broad-winged hawk, marten, and fisher.

### **Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is minor local relief in the compartment. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group and Prairie du Chien (PdC) subcrop below the glacial drift. The Black River is used for stone/dolomite in the UP. Gravel pits are not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

### **Vehicle Access:**

There is good access up the Walsh grade some areas of the compartment have poor access due to a lack of roads and marshy ground.

### **Survey Needs:**

Will need survey work around Stand 30.

### **Recreational Facilities and Opportunities:**

The area is popular for both hunting and fishing.

### **Fire Protection:**

The north edge of the Seney fire burned here in 1976 there is much black spruce and jack pine in the old fire area access for fire control is moderately difficult.

### **Additional Compartment Information:**

None.

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

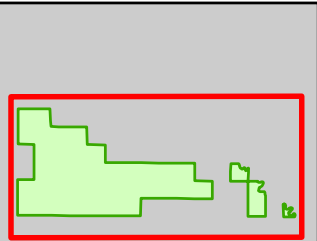
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

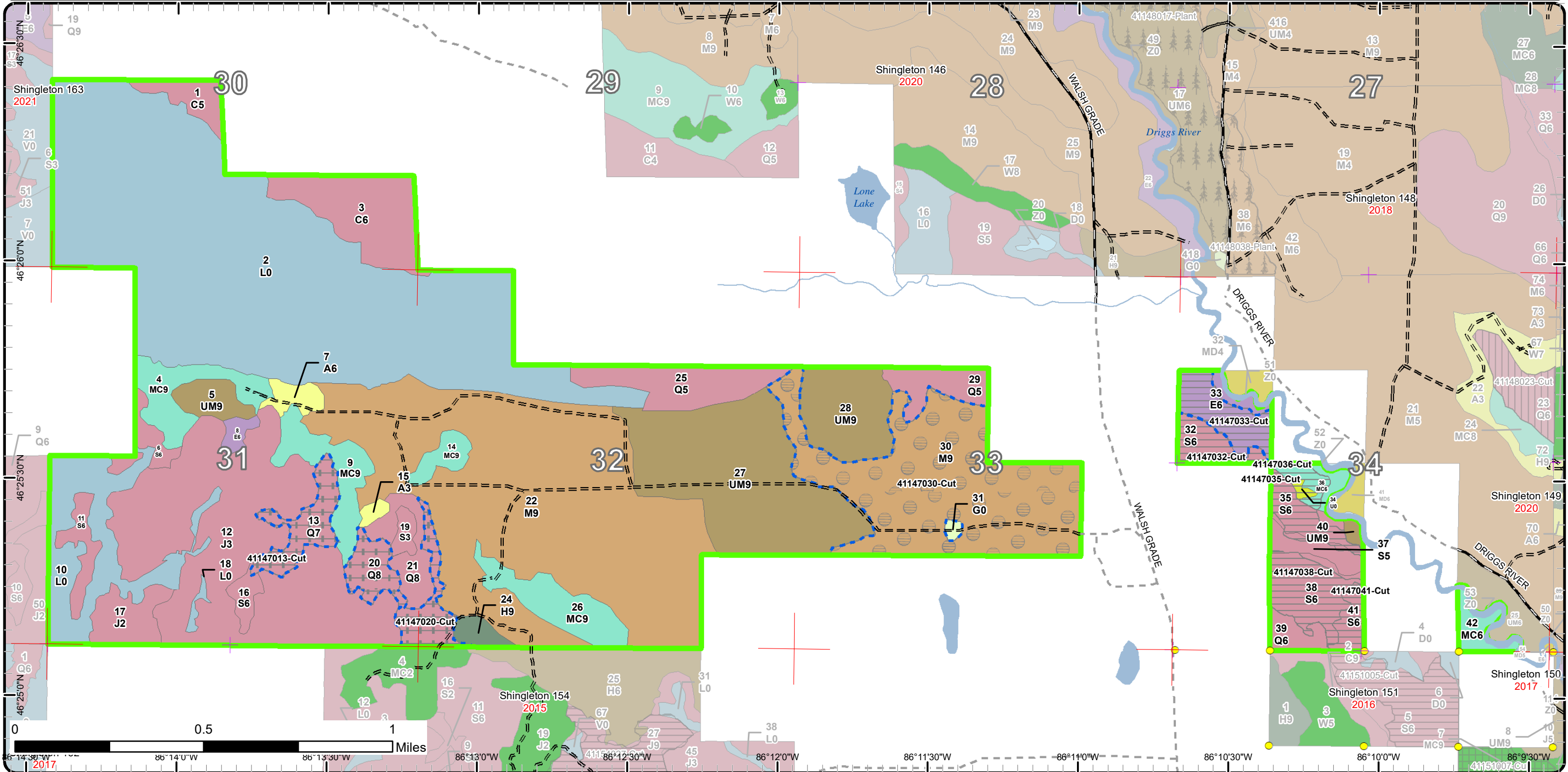
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 147  
 T47N, R15W, Sec: 30-34  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Casino Complex  
 YOE: 2023  
 Acres: 1573 GIS Calculated  
 Examiner: Sheila Clark  
 Map Revised: 1/28/2022  
 Map Phase: Post Review

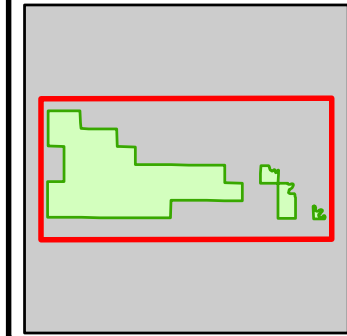


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Patch/Strip Cut (Femelschlag)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub

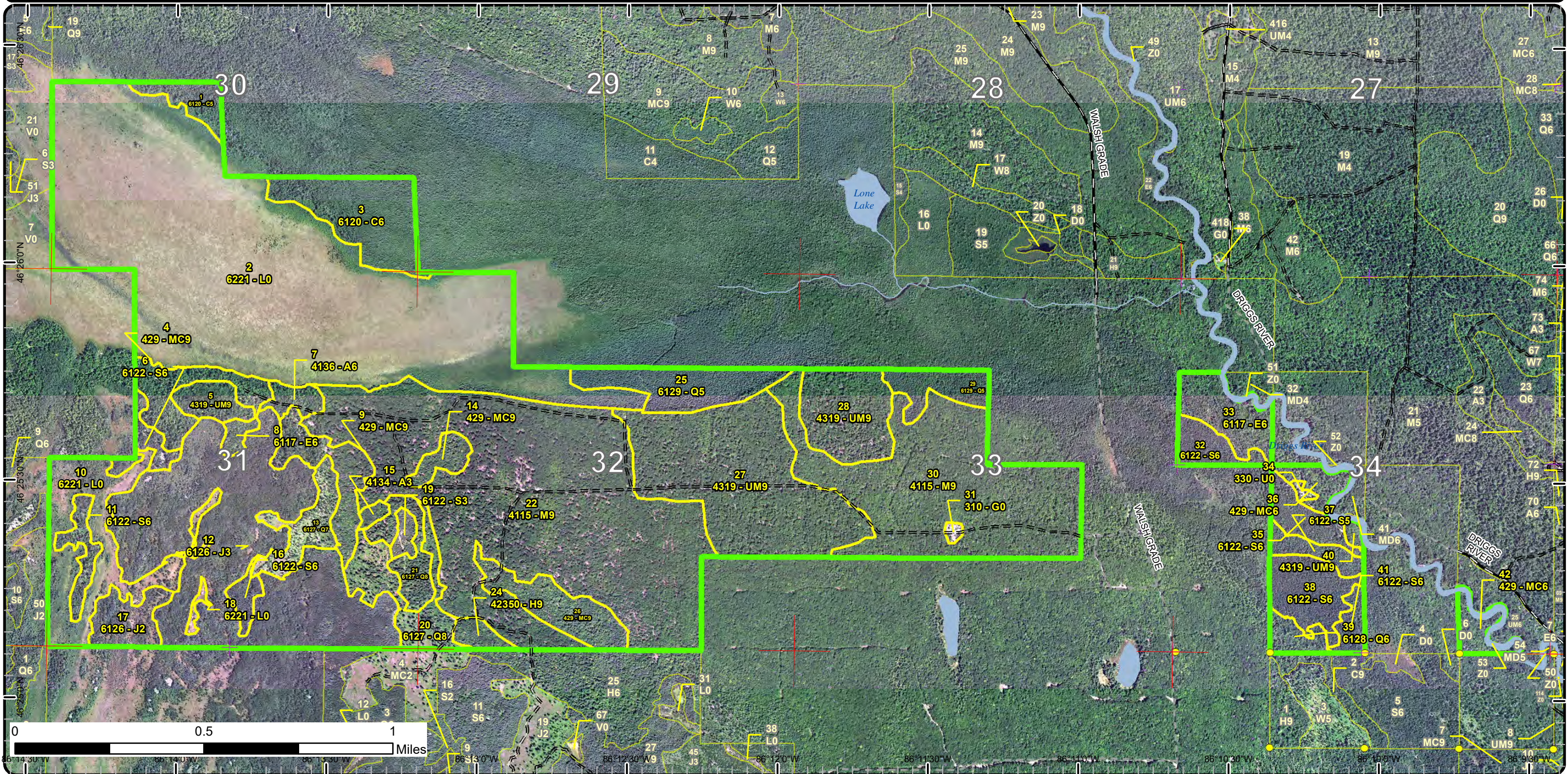


# Stand Boundary Map

Compartment: 147  
 T47N, R15W, Sec: 30-34  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Cusino Complex  
 YOE: 2023  
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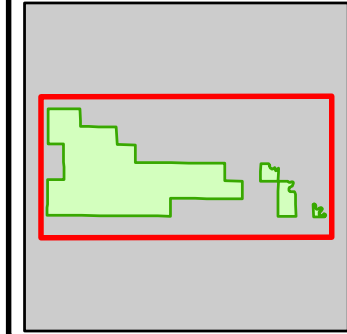


- Miris Corners
  - + Remonumented Section Corners
  - Survey Grade Corners
  - Counties
  - DNR - Primary Forest Road
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  - Stand Boundaries
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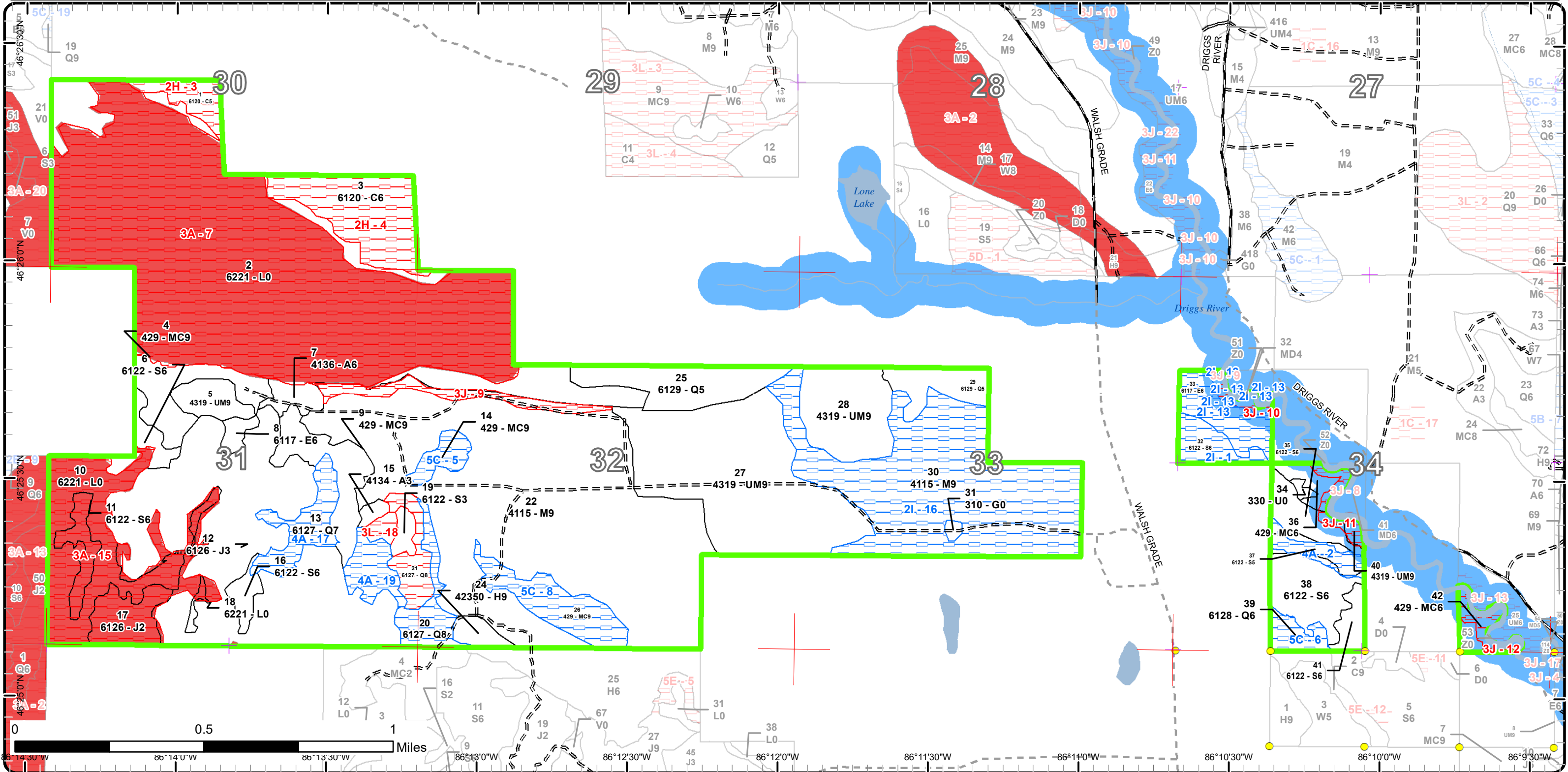


# Special Conservation Areas

Compartment: 147  
 T47N, R15W, Sec: 30-34  
 County: Schoolcraft  
 Unit: Shingleton  
 Mgmt Area: Casino Complex  
 YOE: 2023  
 Acres: 1573 GIS Calculated  
 Examiner: Sheila Clark  
 Map Revised: 1/28/2022  
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Ecological Reference Areas
- 2I: Survey needed
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Cold Water Streams
- High Priority Trout Stream Buffer



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          | 0        | 0        | 0        | 7        | 2          | 0         | 0         | 0         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 9           |
| Cedar               | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 52        | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 52          |
| Hemlock             | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 0          | 6          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 6           |
| Herbaceous Openland | 1          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 1           |
| Jack Pine           | 0          | 0        | 0        | 0        | 0        | 182        | 0         | 0         | 0         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 182         |
| Low-Density Trees   | 1          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 1           |
| Lowland Conifers    | 0          | 0        | 0        | 0        | 0        | 0          | 30        | 0         | 15        | 8          | 59         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 112         |
| Lowland Deciduous   | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 22         | 4          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 26          |
| Lowland Shrub       | 431        | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 0          | 0          | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 431         |
| Lowland Spruce/Fir  | 0          | 0        | 0        | 0        | 0        | 4          | 0         | 24        | 0         | 0          | 64         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 92          |
| Northern Hardwood   | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 0          | 411        | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 411         |
| Upland Conifers     | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 10        | 31         | 55         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 96          |
| Upland Mixed Forest | 0          | 0        | 0        | 0        | 0        | 0          | 0         | 0         | 0         | 120        | 37         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 157         |
| <b>Total</b>        | <b>433</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>7</b> | <b>188</b> | <b>30</b> | <b>24</b> | <b>77</b> | <b>181</b> | <b>636</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>1576</b> |



## Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 147

Total Compartment Acres: 1,573

Commercial Harvest - 47  
 Harvests with Site Condition - 210  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

|                    | Clearcut  | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning  | Overstory Removal | Salvage  | Other | Total Acres |
|--------------------|-----------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|-------|-------------|
| Lowland Conifers   | 0         | 0         | 0              | 0         | 0           | 44        | 0                 | 0        |       | 44          |
| Lowland Deciduous  | 18        | 0         | 0              | 0         | 0           | 0         | 0                 | 0        |       | 18          |
| Lowland Spruce/Fir | 52        | 0         | 0              | 0         | 0           | 0         | 0                 | 0        |       | 52          |
| Northern Hardwood  | 0         | 0         | 136            | 0         | 0           | 0         | 0                 | 0        |       | 136         |
| Upland Conifers    | 6         | 0         | 0              | 0         | 0           | 0         | 0                 | 0        |       | 6           |
| <b>Total</b>       | <b>77</b> | <b>0</b>  | <b>136</b>     | <b>0</b>  | <b>0</b>    | <b>44</b> | <b>0</b>          | <b>0</b> |       | <b>257</b>  |

### Proposed and Next Step Treatments by Method

|              | Harvest    | Site Prep | Planting | Seeding  | Burning  | Pesticide  | Monitoring | Other    | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current      | 257        | 0         | 0        | 0        | 0        | 0          | 0          | 0        |                 | 257         |
| Next Step    | 0          | 0         | 0        | 0        | 0        | 210        | 0          | 0        |                 | 210         |
| <b>Total</b> | <b>257</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>210</b> | <b>0</b>   | <b>0</b> |                 | <b>467</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 |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|---------------------|-------------------------|------------------|----------------|
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|---------------------|-------------------------|------------------|----------------|

**Approved Treatments:**

|   |                     |      |                     |                   |    |       |         |                      |                               |           |    |
|---|---------------------|------|---------------------|-------------------|----|-------|---------|----------------------|-------------------------------|-----------|----|
| <b>13</b>   | <b>41147013-Cut</b> | 17.5 | 6127 - Lowland Pine | Sawtimber<br>Poor | 93 | 51-80 | Harvest | Overstory<br>Removal | 613 - Lowland<br>Mixed Forest | Even-Aged | No |
| <p><u>Prescription</u> Remove all merchantable trees over 6 inches in diameter. Leave hemlock. Add spec to protect advanced regeneration.<br/> <u>Specs:</u><br/> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u><br/> <u>Acceptable</u> Any species present in the understory.<br/> <u>Regen:</u><br/> <u>Other</u><br/> <u>Comment:</u><br/> <u>Site Condition</u> No Markets<br/> <u>Proposed Start Date:</u> 10/1 /2022</p> |                     |      |                     |                   |    |       |         |                      |                               |           |    |

|  |                     |      |                     |                     |    |       |         |                      |                               |           |    |
|--|---------------------|------|---------------------|---------------------|----|-------|---------|----------------------|-------------------------------|-----------|----|
| <b>20</b>  | <b>41147020-Cut</b> | 26.3 | 6127 - Lowland Pine | Sawtimber<br>Medium | 91 | 51-80 | Harvest | Overstory<br>Removal | 613 - Lowland<br>Mixed Forest | Even-Aged | No |
| <p><u>Prescription</u> Harvest all merchantable trees over 6 inches in diameter. Leave hemlock. Add spec to protect advanced regeneration.<br/> <u>Specs:</u><br/> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u><br/> <u>Acceptable</u> Any current species in the understory.<br/> <u>Regen:</u><br/> <u>Other</u><br/> <u>Comment:</u><br/> <u>Site Condition</u> No Markets<br/> <u>Proposed Start Date:</u> 10/1 /2022</p> |                     |      |                     |                     |    |       |         |                      |                               |           |    |

|  |                     |       |                               |                   |    |        |         |   |                            |          |    |
|--|---------------------|-------|-------------------------------|-------------------|----|--------|---------|---|----------------------------|----------|----|
| <b>30</b>  | <b>41147030-Cut</b> | 136.3 | 4115 - Y.Birch,<br>Hemlock NH | Sawtimber<br>Well | 92 | 81-110 | Harvest | Strip/Patch/Gap<br>Cut<br>(Femelschlag) | 411 - Northern<br>Hardwood | Two-Aged | No |
| <p><u>Prescription</u> Create large openings approximately 1 acre in size. Everything over 2 inches in these openings will be cut regardless of species. 50% of the stand will be cut (68 acres).<br/> <u>Specs:</u><br/> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u><br/> <u>Acceptable</u> Any current species.<br/> <u>Regen:</u><br/> <u>Other</u><br/> <u>Comment:</u><br/> <u>Site Condition</u> Survey Needed<br/> <u>Proposed Start Date:</u> 10/1 /2022</p> |                     |       |                               |                   |    |        |         |   |                            |          |    |





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

|           |                     |      |                     |                 |    |         |         |                         |                     |           |    |
|-----------|---------------------|------|---------------------|-----------------|----|---------|---------|-------------------------|---------------------|-----------|----|
| <b>32</b> | <b>41147032-Cut</b> | 11.4 | 6122 - Black Spruce | Poletimber Well | 92 | 111-140 | Harvest | Clearcut with Retention | 6122 - Black Spruce | Even-Aged | No |
|-----------|---------------------|------|---------------------|-----------------|----|---------|---------|-------------------------|---------------------|-----------|----|

Prescription Clearcut this spruce stand reserve red pine and white pine as well as hemlock and cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce and any current species.

Regen:

Other Access is up the Walsh through FLG there may be existing easements. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Old next step comments: Acceptable regeneration will be a mix of swamp conifer species. If regeneration fails spruce should be seeded in cut area.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2022

|           |                     |      |  |                 |    |       |         |                         |  |           |    |
|-----------|---------------------|------|--|-----------------|----|-------|---------|-------------------------|--|-----------|----|
| <b>33</b> | <b>41147033-Cut</b> | 18.2 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Well | 82 | 51-80 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | No |
|-----------|---------------------|------|--|-----------------|----|-------|---------|-------------------------|--|-----------|----|

Prescription Clearcut this stand reserve red pine, cedar, and hemlock. The Driggs River needs a 300 foot buffer this area will be retention and may exceed 10% of sale area

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species

Regen:

Other Access is up the Walsh through FLG there may be existing easements. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Old next step comments: Acceptable regeneration will be a mix of current species. If regeneration fails spruce should be seeded in cut area.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2022

|           |                     |      |                     |                 |    |         |         |                         |                     |           |    |
|-----------|---------------------|------|---------------------|-----------------|----|---------|---------|-------------------------|---------------------|-----------|----|
| <b>35</b> | <b>41147035-Cut</b> | 12.4 | 6122 - Black Spruce | Poletimber Well | 92 | 141-170 | Harvest | Clearcut with Retention | 6122 - Black Spruce | Even-Aged | No |
|-----------|---------------------|------|---------------------|-----------------|----|---------|---------|-------------------------|---------------------|-----------|----|

Prescription Clearcut this stand reserve red pine, white pine, cedar, and hemlock. The Driggs River needs a 300 foot buffer this area will be retention and may exceed 10% of sale area

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Access is up the Walsh through FLG there may be existing easements. Specific access will be through the Big Rack Sale (410220701) Unit 1 in c151. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Due to the amount of work needed to cut these stands the sale should be sold with spruce in c151 in 2016 this will increase the marketability of a potential sale. Old next step comments: Acceptable regeneration will consist of assorted swamp conifer. If regeneration fails seed black spruce on the site.

Site Condition

Proposed Start Date: 10/1 /2015

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| Treatment Name  | Acres | Stand CoverType             | Size Density    | Stand Age | BA Range | Treatment Type | Treatment Method        | Cover Type Objective | Age Structure | Habitat Cut |
|---|-------|-----------------------------|-----------------|-----------|----------|----------------|-------------------------|----------------------|---------------|-------------|
| <b>36 41147036-Cut</b>  | 6.4   | 429 - Mixed Upland Conifers | Poletimber Well | 82        | 51-80    | Harvest        | Clearcut with Retention | 4130 - Aspen         | Even-Aged     | No          |
| <p><u>Prescription</u> Clearcut this stand reserve red pine, white pine, cedar, and hemlock. The Driggs River needs a 300 foot buffer this area will be retention and may exceed 10% of sale area</p> <p><u>Specs:</u></p> <p><u>Next Step</u><br/><u>Treatments:</u></p> <p><u>Acceptable</u><br/><u>Regen:</u></p> <p><u>Other</u><br/><u>Comment:</u> Access is up the Walsh through FLG there may be existing easements. Specific access will be through the Big Rack Sale (410220701) Unit 1 in c151. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Due to the amount of work needed to cut these stands the sale should be sold with spruce in c151 in 2016 this will increase the marketability of a potential sale. Old next step comments: Acceptable regeneration will be a mix of current species. If regeneration fails spruce should be seeded in cut area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p> |       |                             |                 |           |          |                |                         |                      |               |             |
| <b>38 41147038-Cut</b>  | 22.1  | 6122 - Black Spruce         | Poletimber Well | 92        | 171-200  | Harvest        | Clearcut with Retention | 6122 - Black Spruce  | Even-Aged     | No          |
| <p><u>Prescription</u> Clearcut this stand reserve red pine, white pine, cedar, and hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u><br/><u>Treatments:</u></p> <p><u>Acceptable</u><br/><u>Regen:</u></p> <p><u>Other</u><br/><u>Comment:</u> Access is up the Walsh through FLG there may be existing easements. Specific access will be through the Big Rack Sale (410220701) Unit 1 in c151. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Due to the amount of work needed to cut these stands the sale should be sold with spruce in c151 in 2016 this will increase the marketability of a potential sale. Old next step comments: Acceptable regeneration will be a mix of swamp conifer species. If regeneration fails spruce should be seeded in cut area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>  |       |                             |                 |           |          |                |                         |                      |               |             |
| <b>41 41147041-Cut</b>  | 6.4   | 6122 - Black Spruce         | Poletimber Well | 92        | 141-170  | Harvest        | Clearcut with Retention | 6122 - Black Spruce  | Even-Aged     | No          |
| <p><u>Prescription</u> Clearcut this stand reserve red pine, white pine, cedar, and hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u><br/><u>Treatments:</u></p> <p><u>Acceptable</u><br/><u>Regen:</u></p> <p><u>Other</u><br/><u>Comment:</u> Access is up the Walsh through FLG there may be existing easements. Specific access will be through the Big Rack Sale (410220701) Unit 1 in c151. There will be a number of marsh crossings and much winter road and trail building needed to cut these stands. Due to the amount of work needed to cut these stands the sale should be sold with spruce in c151 in 2016 this will increase the marketability of a potential sale. Old next step comments: Acceptable regeneration will be a mix of swamp conifer species. If regeneration fails spruce should be seeded in cut area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>  |       |                             |                 |           |          |                |                         |                      |               |             |

**Total Treatment** 257  
**Acreage Proposed:**

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Sheila Clark : Examiner

Compartment: 147  
Year of Entry: 2023

### Availability for Management

| Total<br>Acres | Acres<br>Available | Acres Avail    |     | Acres<br>Not Available |                      | Dominant Site Conditions |    |    |    |     |    |    |    |
|----------------|--------------------|----------------|-----|------------------------|----------------------|--------------------------|----|----|----|-----|----|----|----|
|                |                    | With Condition |     |                        |                      | 2I                       | 4A | 5C | 2H | 3A  | 3J | 3L |    |
| 9              | 9                  | 0              | 0   | 0                      | Aspen                |                          |    |    |    |     |    | 0  |    |
| 52             | 0                  | 0              | 52  | 52                     | Cedar                |                          |    |    | 52 |     |    |    |    |
| 6              | 6                  | 0              | 0   | 0                      | Hemlock              |                          |    |    |    |     |    |    |    |
| 1              | 1                  | 0              | 0   | 0                      | Herbaceous Openland  |                          |    |    |    |     |    |    |    |
| 182            | 156                | 0              | 25  | 25                     | Jack Pine            |                          |    |    |    | 25  |    |    |    |
| 1              | 1                  | 0              | 0   | 0                      | Low-Density Trees    |                          |    |    |    |     |    |    |    |
| 112            | 45                 | 52             | 15  | 15                     | Lowland Conifers     |                          | 44 | 8  |    |     |    |    | 15 |
| 26             | 4                  | 18             | 4   | 4                      | Lowland Deciduous    | 18                       |    |    |    |     |    | 4  |    |
| 430            | 47                 | 0              | 383 | 383                    | Lowland Shrub        |                          |    |    |    | 383 | 0  |    |    |
| 92             | 61                 | 20             | 11  | 11                     | Lowland Spruce/Fir   | 11                       | 8  |    |    | 10  | 1  |    |    |
| 411            | 263                | 136            | 12  | 12                     | Northern Hardwood    | 136                      |    |    |    |     | 12 |    |    |
| 96             | 54                 | 32             | 10  | 10                     | Upland Conifers      |                          |    | 32 |    |     | 10 |    |    |
| 156            | 155                | 0              | 2   | 2                      | Upland Mixed Forest  |                          |    |    |    |     | 2  |    |    |
| 1,573          | 802                | 258            | 513 | 513                    | Total Forested Acres | 166                      | 52 | 40 | 52 | 418 | 29 | 15 |    |
|                | 51%                | 16%            | 33% |                        | 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 | Dominant Site Condition                            | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|--------------------|--|-------|----------------------|----------------------|----------------------|----------------------|
| 1                | Available          | 2I: Survey needed                                  | 11    | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b> |                    |  |       |                      |                      |                      |                      |
| 2                | Available          | 4A: No Markets Available for these Forest Products | 8     | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b> |                    |  |       |                      |                      |                      |                      |

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 147

Year of Entry: 2023

|                  |                    |   |     |   |             |             |             |
|------------------|--------------------|---|-----|---|-------------|-------------|-------------|
| 3                | <b>Unavailable</b> | <b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>       | 11  | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |     |   |             |             |             |
| 4                | <b>Unavailable</b> | <b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>       | 41  | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |     |   |             |             |             |
| 5                | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 8   | Unspecified   | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |     |   |             |             |             |
| 6                | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 8   | Unspecified   | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |     |   |             |             |             |
| 7                | <b>Unavailable</b> | <b>3A: Conservation Values incompatible with harvest at this time</b>               | 329 | Unspecified   | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |     |   |             |             |             |
| ERA              |                    |   |     |   |             |             |             |

## Report 4 – Site Conditions

Shingleton Mgt. Unit

Sheila Clark : Examiner

Compartment: 147

Year of Entry: 2023

|                  |                    |   |    |             |             |             |             |
|------------------|--------------------|---|----|-------------|-------------|-------------|-------------|
| 8                | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 24 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 9                | <b>Unavailable</b> | <b>3J: Water quality / BMPs (stream, river, or lake)</b>                            | 12 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 10               | <b>Unavailable</b> | <b>3J: Water quality / BMPs (stream, river, or lake)</b>                            | 4  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 11               | <b>Unavailable</b> | <b>3J: Water quality / BMPs (stream, river, or lake)</b>                            | 7  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 12               | <b>Unavailable</b> | <b>3J: Water quality / BMPs (stream, river, or lake)</b>                            | 7  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 13               | <b>Available</b>   | <b>2I: Survey needed</b>  | 18 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |
| 14               | <b>Unavailable</b> | <b>5E: Long-Term Retention</b>  | 8  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |   |    |             |             |             |             |

## Report 4 – Site Conditions

Shingleton Mgt. Unit  
Sheila Clark : Examiner

Compartment: 147  
Year of Entry: 2023

|  |                    |   |     |             |             |             |             |
|--|--------------------|---|-----|-------------|-------------|-------------|-------------|
| 15   | <b>Unavailable</b> | <b>3A: Conservation Values incompatible with harvest at this time</b> | 88  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>ERA  |                    |   |     |             |             |             |             |
| 16   | <b>Available</b>   | <b>2I: Survey needed</b>  | 136 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>   |                    |   |     |             |             |             |             |
| 17   | <b>Available</b>   | <b>4A: No Markets Available for these Forest Products</b>             | 18  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>   |                    |   |     |             |             |             |             |
| 18   | <b>Unavailable</b> | <b>3L: Other wildlife concerns</b>                                    | 15  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>2021 - This stand is two-storied. The regeneration underneath is still becoming established. |                    |   |     |             |             |             |             |
| 19   | <b>Available</b>   | <b>4A: No Markets Available for these Forest Products</b>             | 26  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>   |                    |   |     |             |             |             |             |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

|          |  |  |  |  |
|----------|--|--|--|--|
| Comments |  |  |  |  |
|----------|--|--|--|--|



**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

| Conservation Area | Type                       | Description  |
|-------------------|----------------------------|--|
| SCA               | Cold Water Stream          | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.  |
| SCA               | Riparian Area              | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.   |
| ERA               | Ecological Reference Areas | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |





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

| <b>1</b>  | 6120 - Lowland Cedar | Poletimber Medium | 11.0 | 76  |  | N/A |  |                |         |            |     |     |              |   |              |   |  |                      |    |      |   |    |            |   |              |   |  |
|---|----------------------|-------------------|------|-----|--|-----|--|----------------|---------|------------|-----|-----|--------------|---|--------------|---|--|----------------------|----|------|---|----|------------|---|--------------|---|--|
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>3</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>94</td> <td>Pole</td> <td>6</td> <td>76</td> </tr> <tr> <td>Balsam Fir</td> <td>3</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> |                      |                   |      |     |  |     |  | Canopy Species | % Cover | Size Class | DBH | Age | Black Spruce | 3 | Pole/Sapling | 6 |  | Northern White Cedar | 94 | Pole | 6 | 76 | Balsam Fir | 3 | Pole/Sapling | 6 |  |
| Canopy Species  | % Cover              | Size Class        | DBH  | Age |  |     |  |                |         |            |     |     |              |   |              |   |  |                      |    |      |   |    |            |   |              |   |  |
| Black Spruce  | 3                    | Pole/Sapling      | 6    |     |  |     |  |                |         |            |     |     |              |   |              |   |  |                      |    |      |   |    |            |   |              |   |  |
| Northern White Cedar  | 94                   | Pole              | 6    | 76  |  |     |  |                |         |            |     |     |              |   |              |   |  |                      |    |      |   |    |            |   |              |   |  |
| Balsam Fir  | 3                    | Pole/Sapling      | 6    |     |  |     |  |                |         |            |     |     |              |   |              |   |  |                      |    |      |   |    |            |   |              |   |  |

| <b>2</b>   | 6221 - Fen | Nonstocked   | 375.5   |  | Unspecified | No | a few scattered trees. |                    |         |             |      |           |       |              |         |
|--|------------|--------------|---------|--|-------------|----|------------------------|--------------------|---------|-------------|------|-----------|-------|--------------|---------|
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| Sub-Canopy Species   | Density    | Avg. Height  | Size    |  |             |    |                        |                    |         |             |      |           |       |              |         |
| Jack Pine  | Trace      | 10 - 20 feet | Sapling |  |             |    |                        |                    |         |             |      |           |       |              |         |

| <b>3</b>   | 6120 - Lowland Cedar | Poletimber Well | 40.8 | 76  | 51-80 | N/A |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |
|--|----------------------|-----------------|------|-----|-------|-----|--|----------------|---------|------------|-----|-----|----------|---|------|---|--|----------------------|----|--------------|---|----|------------|---|--------------|---|--|--------------|---|--------------|---|--|
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| Canopy Species   | % Cover              | Size Class      | DBH  | Age |       |     |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |
| Tamarack   | 6                    | Pole            | 5    |     |       |     |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |
| Northern White Cedar   | 86                   | Pole/Sapling    | 6    | 76  |       |     |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |
| Balsam Fir   | 2                    | Sapling/Pole    | 1    |     |       |     |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |
| Black Spruce   | 6                    | Sapling/Pole    | 1    |     |       |     |  |                |         |            |     |     |          |   |      |   |  |                      |    |              |   |    |            |   |              |   |  |              |   |              |   |  |

| <b>4</b>   | 429 - Mixed Upland Conifers | Sawtimber Well | 22.3    | 87  | 81-110 | N/A | 2021 - Stand is healthy, no activity. |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
|--|-----------------------------|----------------|---------|-----|--------|-----|---------------------------------------|----------------|---------|------------|-----|-----|------------|----|----------|----|--|-----------|----|----------|----|--|---------|----|----------|----|----|---------------|----|----------|----|--|--------------|---|----------|---|--|------------|----|----------|----|----|--------------------|---------|-------------|------|-------|-----|----------|---------|------------|-----|----------|---------|---------|-----|----------|---------|
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| Canopy Species   | % Cover                     | Size Class     | DBH     | Age |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Balsam Fir   | 10                          | Log/Pole       | 12      |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Red Maple  | 20                          | Log/Pole       | 12      |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Hemlock  | 30                          | Log/XLog       | 14      | 87  |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Quaking Aspen  | 10                          | Log/Pole       | 10      |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Black Cherry   | 5                           | Pole/Log       | 8       |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| White Pine   | 25                          | Log/Pole       | 12      | 87  |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Sub-Canopy Species   | Density                     | Avg. Height    | Size    |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Beech  | Low                         | Variable       | Sapling |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| White Pine   | Low                         | Variable       | Sapling |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |
| Hemlock  | Low                         | Variable       | Sapling |     |        |     |                                       |                |         |            |     |     |            |    |          |    |  |           |    |          |    |  |         |    |          |    |    |               |    |          |    |  |              |   |          |   |  |            |    |          |    |    |                    |         |             |      |       |     |          |         |            |     |          |         |         |     |          |         |

| <b>5</b>   | 4319 - Mixed Upland Forest | Sawtimber Well | 10.8    | 87  | 51-80 | N/A | 2021 Stand healthy, no change |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
|--|----------------------------|----------------|---------|-----|-------|-----|-------------------------------|----------------|---------|------------|-----|-----|--------------|---|---------------|----|--|------------|----|---------------|----|--|-----------|----|----------|----|----|--------------|---|------|---|--|-------------|----|---------------|----|--|---------|----|---------------|----|--|-------------|----|---------------|----|--|------------|----|--------------|---|--|--------------|---|---------------|----|--|--------------------|---------|-------------|------|-----------|-----|----------|---------|-------|-----|----------|---------|---------|-----|----------|---------|
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Yellow Birch</td> <td>5</td> <td>Log/Pole/XLog</td> <td>11</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/XLog</td> <td>13</td> <td>87</td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Log/Pole/XLog</td> <td>11</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log/XLog/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>15</td> <td>Log/Pole/XLog</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Log/Sap</td> <td>7</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Log/Pole/XLog</td> <td>12</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> |                            |                |         |     |       |     |                               | Canopy Species | % Cover | Size Class | DBH | Age | Yellow Birch | 5 | Log/Pole/XLog | 11 |  | White Pine | 15 | Log/XLog/Pole | 14 |  | Red Maple | 20 | Log/XLog | 13 | 87 | Black Spruce | 5 | Pole | 8 |  | Paper Birch | 10 | Log/Pole/XLog | 11 |  | Hemlock | 15 | Log/XLog/Pole | 13 |  | Sugar Maple | 15 | Log/Pole/XLog | 10 |  | Balsam Fir | 10 | Pole/Log/Sap | 7 |  | Black Cherry | 5 | Log/Pole/XLog | 12 |  | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | Variable | Sapling | Beech | Low | Variable | Sapling | Hemlock | Low | Variable | Sapling |
| Canopy Species   | % Cover                    | Size Class     | DBH     | Age |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Yellow Birch   | 5                          | Log/Pole/XLog  | 11      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| White Pine   | 15                         | Log/XLog/Pole  | 14      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Red Maple  | 20                         | Log/XLog       | 13      | 87  |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Black Spruce   | 5                          | Pole           | 8       |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Paper Birch  | 10                         | Log/Pole/XLog  | 11      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Hemlock  | 15                         | Log/XLog/Pole  | 13      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Sugar Maple  | 15                         | Log/Pole/XLog  | 10      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Balsam Fir   | 10                         | Pole/Log/Sap   | 7       |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Black Cherry   | 5                          | Log/Pole/XLog  | 12      |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Sub-Canopy Species   | Density                    | Avg. Height    | Size    |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Red Maple  | Low                        | Variable       | Sapling |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Beech  | Low                        | Variable       | Sapling |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |
| Hemlock  | Low                        | Variable       | Sapling |     |       |     |                               |                |         |            |     |     |              |   |               |    |  |            |    |               |    |  |           |    |          |    |    |              |   |      |   |  |             |    |               |    |  |         |    |               |    |  |             |    |               |    |  |            |    |              |   |  |              |   |               |    |  |                    |         |             |      |           |     |          |         |       |     |          |         |         |     |          |         |



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

|                       |                     |                 |                   |            |            |     |  |
|-----------------------|---------------------|-----------------|-------------------|------------|------------|-----|--|
| <b>6</b>              | 6122 - Black Spruce | Poletimber Well | 8.2               | 61         | 51-80      | N/A |  |
| <b>Canopy Species</b> |                     | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b> |     |  |
| Tamarack              |                     | 5               | Sapling/Pole      | 3          |            |     |  |
| Jack Pine             |                     | 20              | Sapling/Pole      | 3          |            |     |  |
| Quaking Aspen         |                     | 5               | Sapling/Pole      | 3          |            |     |  |
| Black Spruce          |                     | 70              | Pole/Sapling      | 6          | 61         |     |  |

|                       |                             |                 |                   |            |            |                           |                                       |                    |             |
|-----------------------|-----------------------------|-----------------|-------------------|------------|------------|---------------------------|---------------------------------------|--------------------|-------------|
| <b>7</b>              | 4136 - Aspen, Mixed Conifer | Poletimber Well | 6.8               | 35         | 81-110     | N/A                       | 2021 - Stand is healthy, no activity. |                    |             |
| <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> |
| Hemlock               |                             | 15              | Log/Pole          | 10         | 97         | Balsam Fir                | Low                                   | 5 - 10 feet        | Sapling     |
| White Pine            |                             | 5               | Log/Pole          | 12         | 97         | Paper Birch               | Low                                   | 5 - 10 feet        | Sapling     |
| Red Maple             |                             | 10              | Pole/Sapling      | 6          |            |                           |                                       |                    |             |
| Balsam Fir            |                             | 5               | Pole/Log          | 7          |            |                           |                                       |                    |             |
| Quaking Aspen         |                             | 40              | Pole/Sapling      | 6          | 35         |                           |                                       |                    |             |
| Paper Birch           |                             | 15              | Pole              | 7          |            |                           |                                       |                    |             |
| Black Spruce          |                             | 10              | Pole              | 6          |            |                           |                                       |                    |             |

|                       |  |                 |                   |            |            |                           |   |                    |             |
|-----------------------|--|-----------------|-------------------|------------|------------|---------------------------|---|--------------------|-------------|
| <b>8</b>              | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Well | 3.9               | 92         | 81-110     | N/A                       | 2021 - Stand is roughly half smaller trees that are barely merchantable and small poles. There are some larger hemlock present. |                    |             |
| <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           |  | 25              | Pole/Log/Sap      | 7          | 92         | Hemlock                   | Low   | Variable           | Sapling     |
| Quaking Aspen         |  | 25              | Pole/Sapling      | 6          |            | Balsam Fir                | Low   | Variable           | Sapling     |
| Black Spruce          |  | 15              | Pole              | 8          |            | Red Maple                 | Low   | Variable           | Sapling     |
| Balsam Fir            |  | 10              | Pole              | 8          |            |                           |   |                    |             |
| Red Maple             |  | 10              | Pole/Sapling      | 7          |            |                           |   |                    |             |
| Hemlock               |  | 15              | Pole/Log          | 9          |            |                           |   |                    |             |

|                       |                             |                |                   |            |            |                           |  |                    |             |
|-----------------------|-----------------------------|----------------|-------------------|------------|------------|---------------------------|--|--------------------|-------------|
| <b>9</b>              | 429 - Mixed Upland Conifers | Sawtimber Well | 22.8              | 97         | 81-110     | N/A                       | This was a birch stand its now moving toward a hemlock stand it should be factor limited due to wildlife.<br>2021- Stand is healthy. Not alot of 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> |
| White Pine            |                             | 25             | Log/Pole          | 12         | 97         | Hemlock                   | High   | 5 - 10 feet        | Sapling     |
| Hemlock               |                             | 30             | Log/Pole          | 10         | 97         | Paper Birch               | Low  | 5 - 10 feet        | Sapling     |
| Balsam Fir            |                             | 5              | Pole/Sapling      | 7          |            | Balsam Fir                | Medium   | 5 - 10 feet        | Sapling     |
| Red Maple             |                             | 15             | Pole/Log          | 9          |            |                           |  |                    |             |
| Paper Birch           |                             | 10             | Pole/Log          | 8          |            |                           |  |                    |             |
| Black Spruce          |                             | 15             | Pole              | 6          |            |                           |  |                    |             |

|                           |            |                |                    |             |  |    |                                |
|---------------------------|------------|----------------|--------------------|-------------|--|----|--------------------------------|
| <b>10</b>                 | 6221 - Fen | Nonstocked     | 52.9               |             |  | No | 2021- Part of Pattern Fen ERA. |
| <b>Sub-Canopy Species</b> |            | <b>Density</b> | <b>Avg. Height</b> | <b>Size</b> |  |    |                                |
| White Pine                |            | Low            | >20 feet           | Pole        |  |    |                                |



| Stand                 | Level 4 Cover Type          | Size Density    | Acres             | Stand Age  | BA Range   | Managed Site              | General Comments  |                    |             |
|-----------------------|-----------------------------|-----------------|-------------------|------------|------------|---------------------------|---|--------------------|-------------|
| 11                    | 6122 - Black Spruce         | Poletimber Well | 9.6               | 62         | 81-110     | N/A                       | 2002 - Thick spruce type with a few merchantable sticks. Islands within the marsh that did not burn during the Seney Fire.<br>2021 - This stand is part of a Patterned Fen ERA. No activity.  |                    |             |
| <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> |
| Jack Pine             |                             | 20              | Pole/Sapling      | 6          |            | Black Spruce              | Medium  | 5 - 10 feet        |             |
| White Pine            |                             | 5               | Pole              | 10         |            |                           |   |                    |             |
| Black Spruce          |                             | 75              | Pole/Sapling      | 6          | 62         |                           |   |                    |             |
| 12                    | 6126 - Lowland Jack Pine    | Sapling Well    | 165.5             | 45         |            | N/A                       | This is a jack pine and spruce stand; it is a result of the seney fire.   |                    |             |
| <b>Canopy Species</b> |                             | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b> |                           |   |                    |             |
| Black Spruce          |                             | 35              | Sapling           | 2          |            |                           |   |                    |             |
| Red Pine              |                             | 2               | Log/Pole          | 10         |            |                           |   |                    |             |
| White Pine            |                             | 10              | Sapling           | 2          |            |                           |   |                    |             |
| Jack Pine             |                             | 53              | Sapling           | 2          | 45         |                           |   |                    |             |
| 13                    | 6127 - Lowland Pine         | Sawtimber Poor  | 17.5              | 93         | 51-80      | N/A                       | Cut in 2009-2010 in Walsh softwood. The current forest cover is residual left after the cut. Stand passed regeneration count on 2014 at 1033 trees per acre, FTP is closed.<br>2021 - Stand is two-aged. There is white pine in the overstory and the understory is aspen, red maple, white pine. All trees look healthy. |                    |             |
| <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> |
| Hemlock               |                             | 15              | Pole/Log          | 9          |            | White Pine                | Medium  | 5 - 10 feet        | Sapling     |
| Red Pine              |                             | 5               | Log/Pole          | 12         |            | Hemlock                   | Low   | 5 - 10 feet        | Sapling     |
| Red Maple             |                             | 15              | Pole              | 6          |            | Red Maple                 | Medium  | 5 - 10 feet        | Sapling     |
| White Pine            |                             | 65              | Log/Pole          | 12         | 93         | Quaking Aspen             | Medium  | 5 - 10 feet        | Sapling     |
|                       |                             |                 |                   |            |            | Balsam Fir                | Medium  | 5 - 10 feet        | Sapling     |
|                       |                             |                 |                   |            |            | Black Spruce              | Medium  | 5 - 10 feet        | Sapling     |
| 14                    | 429 - Mixed Upland Conifers | Sawtimber Well  | 7.7               | 92         | 141-170    | N/A                       | 2021 - Stand is healthy. would be difficult to manuvere around hemlock. No activity.  |                    |             |
| <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> |
| Black Spruce          |                             | 10              | Pole              | 6          |            | White Pine                | Medium  | Variable           | Sapling     |
| Balsam Fir            |                             | 5               | Pole/Sapling      | 6          |            | Black Spruce              | Medium  | Variable           | Sapling     |
| Red Maple             |                             | 10              | Log/Pole          | 11         |            | Balsam Fir                | Low   | Variable           | Sapling     |
| White Pine            |                             | 35              | Log/Pole          | 11         | 92         | Red Maple                 | Medium  | Variable           | Sapling     |
| Yellow Birch          |                             | 10              | Log/Pole          | 11         |            | Hemlock                   | Low   | Variable           | Sapling     |
| Hemlock               |                             | 30              | Log/Pole          | 11         |            |                           |   |                    |             |
| 15                    | 4134 - Aspen, Spruce/Fir    | Sapling Well    | 2.3               | 48         | 81-110     | N/A                       | 2021 - Stand is a result of Seney Fire and salvage cut.   |                    |             |
| <b>Canopy Species</b> |                             | <b>% Cover</b>  | <b>Size Class</b> | <b>DBH</b> | <b>Age</b> |                           |   |                    |             |
| Black Spruce          |                             | 20              | Pole              | 6          |            |                           |   |                    |             |
| Quaking Aspen         |                             | 40              | Sapling/Pole      | 5          | 48         |                           |   |                    |             |
| Red Maple             |                             | 5               | Sapling/Pole      | 4          |            |                           |   |                    |             |
| Balsam Fir            |                             | 10              | Sapling/Pole      | 5          |            |                           |   |                    |             |
| Paper Birch           |                             | 20              | Sapling           | 3          |            |                           |   |                    |             |
| Hemlock               |                             | 5               | Sapling           | 1          |            |                           |   |                    |             |



| Stand  | Level 4 Cover Type       | Size Density     | Acres   | Stand Age  | BA Range | Managed Site | General Comments  |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
|--|--------------------------|------------------|---------|------------|----------|--------------|---|----|--------------|----|----|--------------|----|--------------|----|----|--|----|--------------------|---------|-------------|--|--------------|--------------------|-------------|-------------|------|------------|--------|-------------|---------|------------|--------|-------------|---------|--------------|--------|-------------|---------|--------------|-----|-------------|---------|------------|--------|-------------|---------|--|--|--|
| 16   | 6122 - Black Spruce      | Poletimber Well  | 5.8     | 62         |          | N/A          | 2021 - Stand is healthy, not much change, no activity.  |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
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| Canopy Species   | % Cover                  | Size Class       | DBH     | Age        |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | 65                       | Pole/Sapling     | 6       | 62         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Jack Pine  | 35                       | Pole/Log/Sap     | 7       |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                  | Avg. Height      | Size    |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | Low                      | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| 17   | 6126 - Lowland Jack Pine | Sapling Medium   | 16.1    | 45         | 81-110   | N/A          | An area burned by Walsh ditch fire in 1976 coming back to jack pine and spruce.<br><br>2021 - Stand is currently included in pattern fen era, can it be removed? No activity at this time.  |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
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| Canopy Species   | % Cover                  | Size Class       | DBH     | Age        |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Jack Pine  | 75                       | Sapling/Pole     | 4       | 45         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | 25                       | Sapling/Pole     | 4       | 45         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| 18   | 6221 - Fen               | Nonstocked       | 1.7     |            |          | No           |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| 19   | 6122 - Black Spruce      | Sapling Well     | 4.0     | 47         |          | N/A          | spot fire during the seney fire of 1976   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
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| Canopy Species   | % Cover                  | Size Class       | DBH     | Age        |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| White Pine   | 20                       | Sapling/Pole     | 4       |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Jack Pine  | 25                       | Sapling/Pole     | 3       |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | 55                       | Sapling/Pole     | 3       | 47         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| 20   | 6127 - Lowland Pine      | Sawtimber Medium | 26.3    | 91         | 51-80    | N/A          | Stand passed regeneration count on 2014 at 1033 trees per acre, FTP is closed.  |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
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| Canopy Species   | % Cover                  | Size Class       | DBH     | Age        |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| White Pine   | 70                       | Log/Pole         | 13      | 91         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Hemlock  | 25                       | Log/Pole         | 10      |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | 5                        | Pole/Sapling     | 6       |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                  | Avg. Height      | Size    |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Balsam Fir   | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| White Pine   | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | Low                      | < 5 feet         | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Red Pine   | Low                      | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Red Maple  | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| 21   | 6127 - Lowland Pine      | Sawtimber Medium | 15.3    | 91         | 51-80    | N/A          | Stand passed regeneration count on 2014 at 1033 trees per acre, FTP is closed. 2021 - This stand was cut at the same time as stand 20. However, there is a higher component of white pine and hemlock in these area, so the regeneration did not come in as heavy. As a result this stand will remain a hemlock and white pine sawlog stand with some red maple regeneration coming in. The northeast side of the stand has smaller black spruce poles mixed in. Stand is healthy, no activity. |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
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| Canopy Species   | % Cover                  | Size Class       | DBH     | Age        |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Hemlock  | 40                       | Log/Pole         | 10      |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| White Pine   | 50                       | Log/Pole         | 13      | 91         |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | 10                       | Pole/Sapling     | 6       |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                  | Avg. Height      | Size    |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Red Pine   | Low                      | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Red Maple  | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| White Pine   | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Black Spruce   | Low                      | < 5 feet         | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |
| Balsam Fir   | Medium                   | 5 - 10 feet      | Sapling |            |          |              |   |    |              |    |    |              |    |              |    |    |  |    |                    |         |             |  |              |                    |             |             |      |            |        |             |         |            |        |             |         |              |        |             |         |              |     |             |         |            |        |             |         |  |  |  |



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

| <b>22</b>      | 4115 - Y.Birch, Hemlock NH | Sawtimber Well | 274.7         | 92  | 81-110 | N/A                | <p>This stand is a diverse hardwood stand with red maple being dominant. The stand has a lot of beech that all is being adversely affected by BBD. There is a fair amount of hemlock and other mesic conifer present in the stand.</p> <p>Old stand comments<br/>Stand was cut by corrections to promote yellow birch and hemlock reproduction. Stand was scarified by bulldozer after cut. Initial findings appear to be successful. In NWSW two small wandering clearcuts were made on south side of the trail road.<br/>[8/14/03 RFT] 3000 acorns and 500 oak from 6" pots were planted by inmates under FTP #W41-1064.</p> <p>2021 regeneration is mostly beech. Also white pine, red maple. Was not able to find oak saplings.</p> |         |             |         |  |
|----------------|----------------------------|----------------|---------------|-----|--------|--------------------|---|---------|-------------|---------|--|
| Canopy Species |                            | % Cover        | Size Class    | DBH | Age    | Sub-Canopy Species |   | Density | Avg. Height | Size    |  |
| Red Maple      |                            | 45             | Log/Pole      | 12  | 92     | Hemlock            |   | Low     | Variable    | Sapling |  |
| Balsam Fir     |                            | 3              | Pole          | 7   |        | Beech              |   | High    | Variable    | Sapling |  |
| Beech          |                            | 3              | Log/XLog/Pole | 12  |        | Red Maple          |   | Medium  | Variable    | Sapling |  |
| White Pine     |                            | 10             | Log/XLog      | 17  |        |                    |   |         |             |         |  |
| Yellow Birch   |                            | 3              | Pole/Log      | 8   |        |                    |   |         |             |         |  |
| White Spruce   |                            | 3              | Pole/Log      | 8   |        |                    |   |         |             |         |  |
| Sugar Maple    |                            | 10             | Log/Pole      | 10  |        |                    |   |         |             |         |  |
| Paper Birch    |                            | 3              | Pole/Log      | 8   |        |                    |   |         |             |         |  |
| Hemlock        |                            | 20             | Log/XLog      | 13  |        |                    |   |         |             |         |  |

| <b>24</b>      | 42350 - Upland Hemlock | Sawtimber Well | 5.9        | 92  | 111-140 | N/A                |  |         |             |         |  |
|----------------|------------------------|----------------|------------|-----|---------|--------------------|--|---------|-------------|---------|--|
| Canopy Species |                        | % Cover        | Size Class | DBH | Age     | Sub-Canopy Species |  | Density | Avg. Height | Size    |  |
| Paper Birch    |                        | 10             | Pole/Log   | 8   | 92      | Hemlock            |  | Medium  | < 5 feet    | Sapling |  |
| Hemlock        |                        | 50             | Log/Pole   | 12  | 92      | Black Spruce       |  | Low     | < 5 feet    | Sapling |  |
| Balsam Fir     |                        | 10             | Pole/Log   | 8   |         | Balsam Fir         |  | Low     | 5 - 10 feet | Sapling |  |
| Red Maple      |                        | 10             | Pole       | 7   |         | White Pine         |  | Low     | < 5 feet    | Sapling |  |
| Black Spruce   |                        | 5              | Pole       | 6   |         |                    |  |         |             |         |  |
| Yellow Birch   |                        | 5              | Pole       | 6   |         |                    |  |         |             |         |  |
| White Pine     |                        | 10             | Log/Pole   | 10  |         |                    |  |         |             |         |  |

| <b>25</b>            | 6129 - Mixed Coniferous Lowland Forest | Poletimber Medium | 29.7         | 53  | 81-110 | N/A | 2021 - Stand is healthy, no activity. |
|----------------------|--|-------------------|--------------|-----|--------|-----|---------------------------------------|
| Canopy Species       |  | % Cover           | Size Class   | DBH | Age    |     |                                       |
| Red Maple            |  | 5                 | Pole/Sapling | 5   |        |     |                                       |
| Tamarack             |  | 25                | Pole/Sapling | 7   |        |     |                                       |
| Northern White Cedar |  | 25                | Pole/Sapling | 7   |        |     |                                       |
| Black Spruce         |  | 20                | Pole/Sapling | 6   |        |     |                                       |
| Balsam Fir           |  | 25                | Pole/Sapling | 5   | 53     |     |                                       |

| <b>26</b>      | 429 - Mixed Upland Conifers | Sawtimber Well | 24.4          | 92  | 81-110 | N/A                | TCR: 41-007-13-01, sale cut and closed.<br>2021 - Stand is healthy, no activity. |         |             |         |
|----------------|-----------------------------|----------------|---------------|-----|--------|--------------------|--|---------|-------------|---------|
| Canopy Species |                             | % Cover        | Size Class    | DBH | Age    | Sub-Canopy Species |  | Density | Avg. Height | Size    |
| Yellow Birch   |                             | 5              | Log/XLog/Pole | 12  |        | Beech              |  | Low     | < 5 feet    | Sapling |
| Sugar Maple    |                             | 10             | Log/Pole/XLog | 12  |        | Hemlock            |  | Low     | < 5 feet    | Sapling |
| Hemlock        |                             | 55             | Log/Pole/XLog | 12  | 92     | Red Maple          |  | Low     | < 5 feet    | Sapling |
| Red Maple      |                             | 10             | Log/Pole/XLog | 12  |        | Balsam Fir         |  | Medium  | < 5 feet    | Sapling |
| Black Cherry   |                             | 5              | Log/Pole/XLog | 12  |        |                    |  |         |             |         |
| White Pine     |                             | 15             | Log/Pole/XLog | 10  |        |                    |  |         |             |         |



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

**27** 4319 - Mixed Upland Forest Sawtimber Well 108.8 87 51-80 N/A TCR: 41-007-13-01, sale cut and closed. 2021- stand looks good. Good regen. lots of beech Can't find oak in winter.

| Canopy Species | % Cover | Size Class    | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size    |
|----------------|---------|---------------|-----|-----|--------------------|---------|-------------|---------|
| Quaking Aspen  | 5       | Pole/Log      | 9   |     | Beech              | Medium  | Variable    | Sapling |
| Black Cherry   | 10      | Pole/Log      | 9   |     | Hemlock            | Low     | Variable    | Sapling |
| Beech          | 10      | Log/Pole      | 12  |     | Red Maple          | Medium  | Variable    | Sapling |
| Hemlock        | 15      | Log/XLog/Pole | 14  |     | Balsam Fir         | Low     | 5 - 10 feet | Sapling |
| Red Maple      | 25      | Log/Pole      | 12  |     |                    |         |             |         |
| White Pine     | 27      | Log/Pole      | 12  | 87  |                    |         |             |         |
| Balsam Fir     | 8       | Pole          | 8   |     |                    |         |             |         |

**28** 4319 - Mixed Upland Forest Sawtimber Well 34.9 92 51-80 N/A TCR: 41-007-13-01, sale cut and closed. Sale was completed in 2016.

| Canopy Species | % Cover | Size Class   | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size    |
|----------------|---------|--------------|-----|-----|--------------------|---------|-------------|---------|
| Beech          | 10      | Log/Pole     | 14  |     | Balsam Fir         | Medium  | 5 - 10 feet | Sapling |
| Sugar Maple    | 15      | Log/Pole     | 12  |     | Hemlock            | Low     | Variable    | Sapling |
| White Pine     | 20      | Log/Pole     | 12  |     | Yellow Birch       | Low     | Variable    | Sapling |
| Red Maple      | 15      | Pole/Log/Sap | 8   | 92  | Red Maple          | Medium  | Variable    | Sapling |
| Hemlock        | 30      | Log/Pole     | 10  | 92  |                    |         |             |         |
| Yellow Birch   | 4       | Log/Pole     | 12  |     |                    |         |             |         |
| Black Cherry   | 6       | Log/Pole     | 8   |     |                    |         |             |         |

2021 - Stand is more of a hemlock stand than a hardwood stand. Regeneration is coming back well and monitoring has been removed. Trees look healthy, no activity needed.

**29** 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 15.2 72 N/A This stand is lowland conifer in the transition area between the fen and hardwood in the compartment.

| Canopy Species       | % Cover | Size Class   | DBH | Age |
|----------------------|---------|--------------|-----|-----|
| Paper Birch          | 5       | Pole/Sap/Log | 6   |     |
| Northern White Cedar | 20      | Pole/Sap/Log | 5   | 72  |
| Quaking Aspen        | 2       | Pole/Sap/Log | 6   |     |
| Tamarack             | 10      | Pole/Sap/Log | 6   |     |
| Red Maple            | 5       | Pole/Sap/Log | 6   |     |
| Balsam Fir           | 20      | Pole/Sap/Log | 6   |     |
| White Pine           | 10      | Pole/Sap/Log | 6   |     |
| Yellow Birch         | 3       | Pole/Sap/Log | 5   |     |
| Black Spruce         | 20      | Pole/Sap/Log | 8   |     |
| Hemlock              | 5       | Pole/Sap/Log | 7   |     |

2021 - Stand is healthy, no activity.



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

| <b>30</b>      | 4115 - Y.Birch, Hemlock NH | Sawtimber Well | 136.3        | 92  | 81-110 | N/A                | This stand was cut last entry period. Beach is in poor shape with much of dying. Old stand comments Stand was cut by corrections to promote yellow birch and hemlock reproduction. Stand was scarified by bulldozer after cut. Initial findings appear to be successful. In NWSW two small wandering clearcuts were made on south side of the trail road. [8/14/03 RFT] 3000 acorns and 500 oak from 6" pots were planted by inmates under FTP #W41-1064. |         |             |         |  |
|----------------|----------------------------|----------------|--------------|-----|--------|--------------------|---|---------|-------------|---------|--|
| Canopy Species |                            | % Cover        | Size Class   | DBH | Age    | Sub-Canopy Species |   | Density | Avg. Height | Size    |  |
| Yellow Birch   |                            | 5              | Pole/Log     | 8   |        | Hemlock            |   | Low     | Variable    | Sapling |  |
| Black Cherry   |                            | 20             | Pole/Log/Sap | 8   |        | Beech              |   | Low     | Variable    | Sapling |  |
| Red Maple      |                            | 35             | Log/Pole     | 10  | 92     | Red Maple          |   | Low     | Variable    | Sapling |  |
| Hemlock        |                            | 15             | Log/Pole     | 10  |        | Balsam Fir         |   | Medium  | 5 - 10 feet | Sapling |  |
| Sugar Maple    |                            | 5              | Log/Pole     | 10  |        |                    |   |         |             |         |  |
| Balsam Fir     |                            | 15             | Pole/Log/Sap | 7   |        |                    |   |         |             |         |  |
| Beech          |                            | 5              | Log/Pole     | 10  |        |                    |   |         |             |         |  |

|           |                           |            |     |  |  |    |                                      |
|-----------|---------------------------|------------|-----|--|--|----|--------------------------------------|
| <b>31</b> | 310 - Herbaceous Openland | Nonstocked | 1.3 |  |  | No | 2021 - Natural opening, no activity. |
|-----------|---------------------------|------------|-----|--|--|----|--------------------------------------|

| <b>32</b>      | 6122 - Black Spruce | Poletimber Well | 11.4       | 92  | 111-140 | N/A                |  |         |             |         |  |
|----------------|---------------------|-----------------|------------|-----|---------|--------------------|--|---------|-------------|---------|--|
| Canopy Species |                     | % Cover         | Size Class | DBH | Age     | Sub-Canopy Species |  | Density | Avg. Height | Size    |  |
| White Pine     |                     | 10              | Log/Pole   | 12  |         | White Pine         |  | Low     | 5 - 10 feet | Sapling |  |
| Tamarack       |                     | 5               | Pole       | 7   |         | Red Maple          |  | Low     | 5 - 10 feet | Sapling |  |
| Jack Pine      |                     | 5               | Pole       | 8   |         |                    |  |         |             |         |  |
| Black Spruce   |                     | 80              | Pole       | 7   | 92      |                    |  |         |             |         |  |

| <b>33</b>      | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Well | 22.0         | 82  | 51-80 | N/A                | 2021 - stand is almost-2-storied. aspen dieing. converting to softwood. |         |              |         |
|----------------|--|-----------------|--------------|-----|-------|--------------------|---|---------|--------------|---------|
| Canopy Species |  | % Cover         | Size Class   | DBH | Age   | Sub-Canopy Species |   | Density | Avg. Height  | Size    |
| Paper Birch    |  | 15              | Pole/Sapling | 7   |       | Balsam Fir         |   | High    | 10 - 20 feet | Sapling |
| White Pine     |  | 5               | Log/Pole     | 12  |       | Red Maple          |   | Low     | 5 - 10 feet  | Sapling |
| Quaking Aspen  |  | 35              | Pole         | 9   | 82    | White Pine         |   | Medium  | 5 - 10 feet  | Sapling |
| Hemlock        |  | 10              | Log/Pole     | 10  |       | Hemlock            |   | Low     | 5 - 10 feet  | Sapling |
| Balsam Fir     |  | 20              | Pole/Sapling | 7   |       |                    |   |         |              |         |
| Red Maple      |  | 10              | Pole         | 7   |       |                    |   |         |              |         |
| Black Spruce   |  | 5               | Pole         | 8   |       |                    |   |         |              |         |

| <b>34</b>          | 330 - Low-Density Trees | Nonstocked | 1.3         |         |  | No |  |
|--------------------|-------------------------|------------|-------------|---------|--|----|--|
| Sub-Canopy Species |                         | Density    | Avg. Height | Size    |  |    |  |
| Black Spruce       |                         | Low        | >20 feet    | Sapling |  |    |  |
| White Pine         |                         | Low        | >20 feet    | Sapling |  |    |  |



| Stand   | Level 4 Cover Type                         | Size Density      | Acres      | Stand Age  | BA Range | Managed Site | General Comments   |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
|---|--|-------------------|------------|------------|----------|--------------|--|----|--------------|----|----|--------------|----|--------------|----|----|---|----|--------------------|---------|-------------|---|-----------|--------------------|-------------|-------------|---------------|-----------|--------------|----------|---------|---|----|--------------------|---------|-------------|--------------|-----------|--------------|----------|------|---|-----|--------------------|---------|-------------|-----------|------------|------|----------|---------|---|-----|--------------------|---------|-------------|------|---------|-----|-------------|---------|------------|-----|-------------|---------|
| <b>35</b>   | 6122 - Black Spruce                        | Poletimber Well   | 13.0       | 92         | 141-170  | N/A          | 2021 - Stand is currently under contract. 41-014-16 Tag Alders are Forests.          |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>75</td> <td>Pole</td> <td>7</td> <td>92</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>   |  | Canopy Species    | % Cover    | Size Class | DBH      | Age          | Black Spruce   | 75 | Pole         | 7  | 92 | Balsam Fir   | 5  | Pole         | 7  |    | Red Maple   | 5  | Pole               | 7       |             | White Pine  | 10        | Log/Pole           | 12          |             | Jack Pine     | 5         | Pole         | 7        |         | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> </tbody> </table> |    | Sub-Canopy Species | Density | Avg. Height | Size         | Red Maple | Low          | Variable | Pole | Black Spruce  | Low | Variable           | Pole    |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Canopy Species  | % Cover                                    | Size Class        | DBH        | Age        |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | 75   | Pole              | 7          | 92         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | 5  | Pole              | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Red Maple   | 5  | Pole              | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| White Pine  | 10   | Log/Pole          | 12         |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Jack Pine   | 5  | Pole              | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Red Maple   | Low  | Variable          | Pole       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | Low  | Variable          | Pole       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| <b>36</b>   | 429 - Mixed Upland Conifers                | Poletimber Well   | 8.7        | 82         | 51-80    | N/A          | 2021 - Stand is currently under contract. 41-014-16 Tag Alders are Forests.          |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH        | Age        |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Quaking Aspen   | 20   | Log/Pole          | 12         | 82         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Hemlock   | 13   | Pole/Log          | 9          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | 10   | Pole/Sapling      | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Paper Birch   | 7  | Pole/Sapling      | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| White Pine  | 10   | Log/Pole          | 12         |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Red Maple   | 10   | Pole/Sapling      | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | 30   | Pole/Log          | 8          | 82         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | Low  | < 5 feet          | Sapling    |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Hemlock   | Low  | < 5 feet          | Sapling    |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| <b>37</b>   | 6122 - Black Spruce                        | Poletimber Medium | 9.0        | 91         | 51-80    | N/A          | This area was a D type in previous inventory it is a low SI spruce and tamarack site |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH        | Age        |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Tamarack  | 25   | Sapling/Pole      | 4          | 91         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | 75   | Pole/Sapling      | 5          | 91         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Tag Alder   | Medium                                     | 5 - 10 feet       | Tall Shrub |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| <b>38</b>   | 6122 - Black Spruce                        | Poletimber Well   | 23.6       | 92         | 171-200  | N/A          | 2021 - Stand is currently under contract. 41-014-16 Tag Alders are Forests.          |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH        | Age        |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | 95   | Pole/Sapling      | 7          | 92         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| White Pine  | 2  | Log/Pole          | 12         |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | 3  | Pole/Sapling      | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Red Maple   | Low  | < 5 feet          | Sapling    |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| <b>39</b>   | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well   | 7.8        | 88         | 141-170  | N/A          |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH        | Age        |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | 6  | Pole/Sapling      | 5          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Hemlock   | 20   | Pole              | 7          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Black Spruce  | 10   | Pole              | 5          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Northern White Cedar  | 5  | Pole/Sapling      | 5          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Quaking Aspen   | 10   | Sapling/Pole      | 3          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| White Pine  | 30   | XLog/Log          | 18         | 88         |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Yellow Birch  | 10   | Sapling/Pole      | 4          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Tamarack  | 3  | Sapling/Pole      | 3          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Red Maple   | 6  | Pole              | 8          |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size       |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Hemlock   | Low  | 5 - 10 feet       | Sapling    |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |
| Balsam Fir  | Low  | 5 - 10 feet       | Sapling    |            |          |              |  |    |              |    |    |              |    |              |    |    |   |    |                    |         |             |   |           |                    |             |             |               |           |              |          |         |   |    |                    |         |             |              |           |              |          |      |   |     |                    |         |             |           |            |      |          |         |   |     |                    |         |             |      |         |     |             |         |            |     |             |         |





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

**40**      4319 - Mixed Upland Forest      Sawtimber Well      2.0      92      111-140      N/A

| Canopy Species | % Cover | Size Class    | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size    |
|----------------|---------|---------------|-----|-----|--------------------|---------|-------------|---------|
| Black Spruce   | 10      | Pole/Sapling  | 6   |     | Hemlock            | Low     | Variable    | Sapling |
| Hemlock        | 20      | Log/Pole/XLog | 10  | 92  | Red Maple          | Medium  | Variable    | Sapling |
| Yellow Birch   | 5       | Log/Pole/XLog | 12  |     | Yellow Birch       | Low     | Variable    | Sapling |
| White Pine     | 10      | Log/Pole/XLog | 10  |     |                    |         |             |         |
| Sugar Maple    | 20      | Log/Pole/XLog | 12  |     |                    |         |             |         |
| Quaking Aspen  | 5       | Log/Pole/XLog | 10  |     |                    |         |             |         |
| Black Cherry   | 5       | Log/Pole/XLog | 10  |     |                    |         |             |         |
| Red Maple      | 20      | Log/Pole/XLog | 12  |     |                    |         |             |         |
| Balsam Fir     | 5       | Log/Pole/XLog | 12  |     |                    |         |             |         |

**41**      6122 - Black Spruce      Poletimber Well      7.0      92      141-170      N/A

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size    |
|----------------|---------|------------|-----|-----|--------------------|---------|-------------|---------|
| Tamarack       | 25      | Pole/Log   | 8   |     | Red Maple          | Medium  | 5 - 10 feet | Sapling |
| Black Spruce   | 60      | Pole/Log   | 8   | 92  | Balsam Fir         | Low     | 5 - 10 feet | Sapling |
| Red Maple      | 5       | Pole/Log   | 8   |     |                    |         |             |         |
| White Pine     | 10      | Log        | 10  |     |                    |         |             |         |

**42**      429 - Mixed Upland Conifers      Poletimber Well      9.6      71      81-110      N/A

| Canopy Species       | % Cover | Size Class   | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size    |
|----------------------|---------|--------------|-----|-----|--------------------|---------|-------------|---------|
| Quaking Aspen        | 2       | Pole         | 6   |     | Black Spruce       | Medium  | 5 - 10 feet | Sapling |
| White Pine           | 30      | Log/Pole     | 10  |     | Balsam Fir         | Medium  | 5 - 10 feet | Sapling |
| Balsam Fir           | 10      | Pole/Sapling | 3   |     | Red Maple          | Medium  | 5 - 10 feet | Sapling |
| Red Maple            | 13      | Pole         | 6   |     |                    |         |             |         |
| Northern White Cedar | 5       | Pole         | 2   |     |                    |         |             |         |
| Black Spruce         | 40      | Pole/Sapling | 6   | 71  |                    |         |             |         |

This area is a composite stand that borders the Driggs River and is surrounded by private and forest land group lands.